

**AMENDMENT NO. 1 TO THE AGREEMENT  
BETWEEN THE CITY OF SAN MATEO AND  
SUNDT CONSTRUCTION, INC. FOR THE  
WWTP NUTRIENT REMOVAL AND WET WEATHER FLOW MANAGEMENT  
UPGRADE AND EXPANSION PROJECT  
CONSTRUCTION MANAGER AT RISK CONSTRUCTION SERVICES**

WHEREAS, the City of San Mateo (“City”), a municipal corporation of the State of California, and Sundt Construction, Inc. (“Contractor”), entered into an Agreement for Construction Manager at Risk (CMAR) Pre-Construction Services (“Agreement”) for the WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project on May 24, 2019; and

WHEREAS, City and Contractor, wish to amend the Agreement to add scope and increase compensation.

NOW, THEREFORE, the parties agree as follows:

1. Article 2 – General Provisions is amended to revise paragraph 2.4.11 to “Owner is the person or entity identified in Article 1 and includes the Owner's Representative and any other Owner authorized person or entity. The Owner’s designated Owner’s Representative for the project is Jacobs.”
2. Article 3 – Construction Manager at Risk (CMAR) Responsibilities is amended to add paragraph “3.15 GMP-2 SCOPE OF PROJECT The scope of services for GMP-2 is set forth as Exhibit “A1,” City of San Mateo Nutrient Removal and Wet Weather Flow Management Upgrade & Expansion Project GMP 2 Submission prepared March 3, 2020, as attached and incorporated by reference.”
3. Article 6 – Time of the Agreement is amended to add paragraph “6.9 GMP-2 COMPLETION The services to be performed by the CMAR under this Agreement for GMP-2 shall commence and be completed as set forth in Exhibit “A1,” City of San Mateo Nutrient Removal and Wet Weather Flow Management Upgrade & Expansion Project GMP 2 Submission prepared March 3, 2020, as attached and incorporated by reference.”
4. Article 9 – Changes of the Agreement is amended to revise paragraph 9.3.1.3 to apply to GMP-2 and GMP-3 to read “costs calculated on a basis agreed upon by the Owner and CMAR, plus CMAR fee for Overhead and Profit. The CMAR shall be entitled to a fee of 8 percent for overhead and profit based on the cost of the change in Work, plus applicable costs for associated changes in general conditions, bonds, and insurances. When the change in Work involves subcontractors, compensation for such work shall be based on costs as listed by the subcontractor performing the work plus a maximum of 15 percent of such costs for the subcontractor's overhead and profit. If a lower tier subcontractor performs the work, the higher tier subcontractor may add a maximum of 5 percent to the lower tier subcontractor cost for overhead and profit. The 5 percent subcontractor markup limitation shall be applied only



once regardless of the number of tiers of subcontractors. If the change in Work involves trade work self-performed by the CMAR, the same max limitation on overhead and profit markups noted for subcontractors and lower tier subcontractors will apply, or if otherwise negotiated differently as covered in Paragraph 7.3.2.”

5. Article 10 – Payment is amended to add paragraph “10.11 GMP-2 PAYMENT Payment of the Agreement for GMP-2 shall be a fee not to exceed \$17,716,049. The Owner’s Contingency shall be \$1,645,000. The fee schedule is set forth in Exhibit “A1,” City of San Mateo Nutrient Removal and Wet Weather Flow Management Upgrade & Expansion Project GMP 2 Submission prepared March 3, 2020, as attached and incorporated by reference.”
6. Exhibit C – WIFIA AND SRF Funding Requirements of the Agreement is amended to reference “Exhibits C and C1.” Exhibit C1 to the Agreement is attached and incorporated by reference.
7. The remaining terms of the Agreement remain in full force and effect.

Attachments:

Exhibit A1, GMP2 Submission

Exhibit C1, WIFIA and SRF Funding Requirements

CITY OF SAN MATEO

SUNDT CONSTRUCTION, INC.

\_\_\_\_\_  
Brad Underwood, Public Works Director

\_\_\_\_\_  
Greg Ayres, Vice President

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ADDITIONAL CORPORATE OFFICER

\_\_\_\_\_  
Ronald R. Stuff, Sr. Vice President & General Counsel

Date: \_\_\_\_\_



# Exhibit A1

## GMP2 Submission



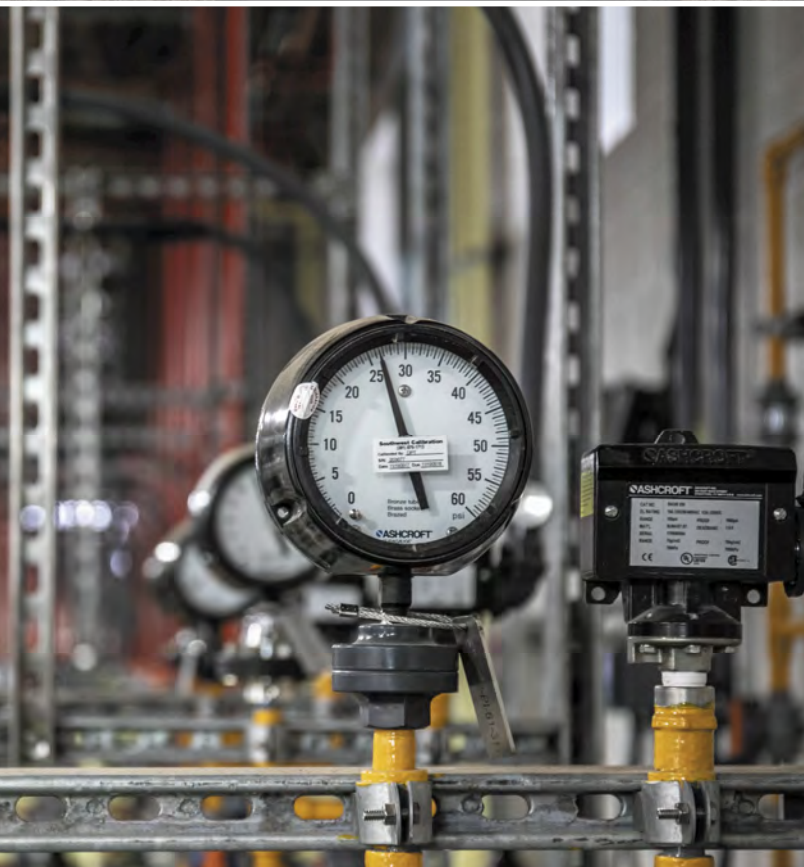


# CITY OF SAN MATEO

## NUTRIENT REMOVAL AND WET WEATHER FLOW MANAGEMENT UPGRADE & EXPANSTION PROJECT

### GMP2 Submission

*City Project # 46T003 / Prepared March 03, 2020*



# SUNDT

SUNDT CONSTRUCTION, INC. / 2620 S 55TH ST / TEMPE, AZ 85282 / 480.293.3000 / [SUNDT.COM](http://SUNDT.COM)





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A photograph of a large industrial valve at a water treatment facility. The valve is blue with a red handwheel and is connected to a yellow pipe labeled "SOD HYPO". The valve is mounted on a concrete base. The background shows a clear blue sky with some clouds. The image is framed by a red diagonal band in the top-left and bottom-right corners.

# B—Basis of Estimate





## Basis of Estimate

San Mateo Waste WWTP Nutrient Removal  
and Wet Weather Flow Management  
Upgrade and Expansion Project

GMP-2



February 28<sup>th</sup>, 2020



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# San Mateo WWTP GMP-2 Estimate

## General Information

### Project Information

This GMP is for the San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project located generally at the intersection of Detroit Drive and Joinville Parkway in San Mateo, CA. The project is an expansion and upgrade to the existing wastewater treatment plant which will be constructed north of the existing facility.

Owner: City of San Mateo, California

Program Manager: Jacobs Engineering

Engineer: HDR Inc.

CMAR: Sundt Construction Inc.

San Mateo Project: 46T003

### Overall Project General Description of Work:

The intent of this project is to upgrade and increase the capacity of the existing San Mateo WWTP facility and to provide enough system capacity to treat peak wet weather flows.

### Scope of Work

#### Scope

The scope of this new facility includes a new headworks to collect flows from five influent force mains, screen influent flows through preliminary and fine screens and to provide grit aeration and screenings handling. Also included are three new rectangular primary clarifiers that will operate and handle all flows during dry weather mode and then discharge into the BNR trains. During wet weather mode, the additional flow will be split-off and processed through a new Bio-Contact Tank and the installed ACTIFLO high rate clarifier train which then discharges to the existing site Chlorine Contact Basin. Four trains of biological nutrient removal and a membrane bioreactor are included. Other facilities include a new two-story administration building, a new maintenance building, an influent flow equalization basin that will be built from a conversion of the existing aeration basins, chemical and storage areas, odor control, and other site enhancements such as landscaping around the new facility.

The scope of GMP-2 primarily includes precast prestressed concrete driven piles but also includes sheet piling, large-diameter shaft drilling/encasement, minor earthwork activities, Tower Crane foundations, and assembly. The scope also includes supporting SWPPP, traffic control, groundwater treatment, and survey.



## Estimating Approach, Direct Cost Clarifications, and Assumptions

### Estimating Approach

#### WBS:

To accurately price all scopes for the **GMP-2** of the San Mateo WWTP project, Sundt subdivided the project into an area-specific work breakdown structure consisting of the following overall structures:

- C - SITE WORK & GENERAL ITEMS

Each WBS is prefaced with a letter corresponding to Sundt's internal accounting procedures. In addition, in parentheses at the end of each WBS is the structure number used by HDR to identify the work areas in the drawings. Sundt will use this same structure for all estimating, scheduling, and bidding activities to ensure accurate cost/schedule breakdowns throughout the process.

#### Work Category:

Within each structure, Sundt has further subdivided the cost into work categories, also referred to as trade scopes. The work category breakdown represents the way Sundt has bid and intends to procure the work in GMP-2. Work Categories Included in GMP-2 include:

- WC 0135 – Dust Control & Street Sweeping
- WC 0136 – SWPPP
- WC 0155 – Traffic Control (previously established GMP1 rates)
- WC 0180 – Survey (previously established GMP1 rates and additional GMP-2 specific costs)
- WC 0191 – Tower Cranes – Mobilization and Assembly
- WC 0309 – Tower Crane Foundations
- WC 3100 – Earthwork
- WC 3132 – Groundwater & Storm Water Treatment Systems
- WC 3141 – Sump Large Bore Drilling and Steel Encasement
- WC 3162 – Precast Prestressed Concrete Driven Piles and Sheet Piling

#### CMAR Markups:

CMAR Contingency: Included as 3.5% of direct cost.

Owner's Contingency for Potential Scope Changes: Included as 9.1% of CMAR contract. This cost is for the owner's use to cover noted project risks and potential changes to the scope of GMP-2 as highlighted on the submitted Risk Summary/Owner Contingency Log.

CMAR Fee: Sundt includes 8% for CMAR overhead and Profit.

#### CMAR Insurances:

**Subcontractor Default Insurance (SDI):** Direct Costs include a markup of 1% of all Subcontract costs (Covers all prequalified Subcontractor's Payment and Performance Bond Requirements. Non-Prequalified subcontractors will be bonded at Subcontractor's internal bond rates, and Sundt's 1% SDI will not be carried on non-prequalified subcontractor costs). Incorporation of



authorized Allowances, CMAR Contingency, and Owner contingency will be applied with a 1.1% SDI rate.

**General Liability:** 0.29% of Total Contract Revenues

**Difference-in-Coverage Insurance:** 0.17% of Total Contract Revenues

#### Direct Cost Clarifications & Assumptions

##### General:

1. Labor has been included according to prevailing wage rates applicable at the time of the bid.
2. Pricing incorporates PLA provisions for the project.
3. Pricing assumes that the City will provide all access and easements as required to complete the work.
4. Assumes Owner provided OCIP and Builder's Risk Policies.

##### WC 0135 – Dust Control & Street Sweeping:

1. Sundt has included costs for dust control and street sweeping as required. Street sweeping will predominately occur daily during pile driving activities and pile delivery, with additional visits as needed during construction.

##### WC 0136 – SWPPP:

1. GMP2 SWPPP is a continuation of the SWPPP plan initiated in GMP1.
2. SWPPP costs include HydroCompliance QSP consulting services for permit compliance monitoring of the Project Risk Level 2 SWPPP.
3. Sundt has included cost for SWPPP program-level changes to the SWPPP manual as the scope transitions to the GMP2 scope. HydroCompliance, the project QSD and (QSP) will lead and facilitate all changes.

##### WC 0155 – Traffic Control:

1. Sundt has included costs to provide traffic control as needed during construction. It is anticipated that select sections of Detroit Drive and Joinville Park Roads will have limited access due to construction activity and maneuvering of the extended length trucks delivering the precast concrete piles.

##### WC 0180 – Survey:

1. Routine control and critical survey checks are included in the survey work category. This also includes ground settlement survey monitoring daily.
2. Survey for GMP2 also includes as-built services for all pile locations.

##### WC 0191 – Tower Cranes:



1. Sundt will execute a lease with supplier Bigge Cranes for the project's two (2) Tower Cranes. This scope of work includes the mobilization, erection, testing, and OSHA certification for both tower cranes. Ongoing lease and rental costs will be carried in GMP-3.
3. Sundt will obtain clearance from the City before executing the Tower Crane lease.

WC 0309 – Tower Crane Foundation:

1. The cost to construct both tower crane pile caps and foundations was carried forward in this GMP. This scope will be released to the current TBD concrete subcontractor selected for GMP3.

WC 3100 – Excavation:

1. Sundt has included all required earthwork and rat slab installation for the lower elevation BioActiflo area and Elevator Pit, which consists of the excavation, disposal, and supply/install of a 4" concrete rat slab.
2. Import, place, and level  $\frac{3}{4}$ " drain rock 4 inches thick over the lime treated subgrade at the bottom of the excavation.
3. Load, off haul, and dispose of all drilling spoils from the pile operation, including four drain sump locations.

WC 3123 – Dewatering Treatment System:

1. The continuation of dewatering treatment-related scope from GMP-1. This includes equipment lease cost, maintenance, operational labor, filter media changes, and regulatory testing and reporting. This scope is carried for six months, at which time GMP3 will carry this continuing Dewatering Treatment cost.

WC 3162 – Precast Prestressed Driven Piles:

1. Pricing includes approximately 1,950 piles, including the tower crane foundations, yard pipe, and 17 additional piles for known pending changes that will be issued to Sundt as an addendum to the RFC released GMP2 drawings.
2. Pricing does not include any provisions for unknown underground conflicts encountered during all pile driving activities. If the subcontractor encounters conflicts not previously noted in the contract documents, Sundt will notify the Owner of the change of the condition.

General Conditions/Requirements, Insurances, Bonds, and Fees

Sundt has included costs for the Construction Management staff for GMP-2 along with costs for various General Requirement items. A detailed estimate of these Lump Sum General Condition/General Requirement items is included in section E.



All General Conditions and Requirements for GMP-2 are based on a six-month duration. Although the construction duration of GMP-2 is longer than six months, GMP-3 construction overlaps and General Conditions and Requirements beyond the six-month duration will be included as part of the GMP3 related costs. If in the event that GMP-3 funding is not released prior to the end of the GMP-2 six-month covered period, Sundt will request additional General Conditions and Requirements funds to support the execution of the remaining GMP-2 scope of work.

Sundt has included insurances, bond, and the CMAR fee as part of GMP-2 costs. Insurances carried account for the Owner provided OCIP and Builder's Risk.

### Allowances

Indirect allowances have been identified and included in Sundt's GMP cost. The values of these allowances have been identified in Section D of this GMP deliverable. All allowances will be reconciled with the City upon completion of the GMP scopes of work.

### Taxes

Sundt has included taxes as applicable at a rate of **9%** on top of all materials, rentals, and equipment on this project. In addition, all subcontractors are required to carry this same tax on their applicable materials and equipment. Sundt will work with the City's tax professionals to ensure compliance with all local City, State, and Federal requirements.

### Schedule

A project schedule has been included as part of the GMP-2 submittal by Sundt. The project schedule is provided with dates and milestones. See section C of this GMP for details.

### Construction Management

Construction management staff provided by Sundt Construction is based on the proposed scope of work and construction schedule, and the six months previously defined. Costs for administration, general conditions, general requirements, quality control, temporary facilities, safety, startup and commissioning have been included for the above noted period.

### Owners Costs

This GMP does not include any cost for the following, which are assumed to be provided by the City of San Mateo.

- Design Services & Engineering
- Construction administration, oversight, and review normally performed by the design professional.
- Quality Control Testing and Special Inspections
- Labor Compliance Services

### Exclusions

This GMP-2 submittal is based upon an exception to Specification section 02 00 11, 3.1 B. Based on the Dewatering and Pile driving activities that will be taking place during this scope, it is



unknown what potential damages may be caused by vibration and soil settlement to nearby existing structures, if any. Thus, there is no way for Sundt to capture the cost associated with this unknown risk.

To help mitigate this risk, Sundt will conduct a pre-condition survey and document findings, monitor ground-level changes through consistent surveying of 10 locations, and continuously monitor groundwater levels on the site perimeter at 4 Observation Well locations. Sundt also will setup Vibration Monitoring during all Pile Driving operations.



Comment Number	Reference Page No.	Reviewer	Review Comment	CAT NO.	Responder	Sundt Responses - 10/17/19	Sundt Responses - 12/19/19	PMO Final Adjudication: "Done" if resolved	Sundt Responses - 2/20/2020
1	General Conditions & General Requirements	PMO	Detailed discussion to be held directly with Sundt.		Sundt	Sundt will await further direction on this.	GC/GR costs have not changed since the original submission.	Addressed in 2.18.20 meeting	
2	Subcontractor Markups	PMO	Change order markups will comply with EJCDC and Clean Water Program contracts. The following will be added to the Prime Contract: 15% OH&P markup on labor for firm performing the work; 15% OH&P markup on material for firm providing the material; Sundt markup of 5% on subcontractors; 5% OH&P markup for 1st tier subcontractor on a second tier, or lower tier subcontractor, that performs the work.	2	Sundt	Sundt recommends further discussions with PMO/City for these proposed Prime Contract changes. The Prime Contract has language already included that specifies that CMAR fee is applied to changes in work. The proposed addition of contract language specifying maximum markups for the firm performing the work or the firm providing the material needs some discussion, as well as the markup on lower tier subcontractors. Any resulting Prime Contract changes will need to be sent to the GMP-2 selected subcontractors for review and bid adjustments (if any). Any resulting Prime Contract change needs to specify the change only applies to GMP-2 and GMP-3 scopes, since all GMP-1 subcontracts are based upon the current Prime Contract.	All subcontractor change order mark-ups will to 15% profit on material and labor.	Under Discussion	The proposed Prime Contract amendment language that Mike Dinapoli emaile me on 1/21 is now under review by Sundt Management. If there is an updated draft of the Contract Language change, please send it over so I have we are reviewing the latest proposed.
3	Federal Funding Documents	PMO	Where are the documents required for Federal Funding requirements?	2	Sundt	These documents were not included in the GMP-2 submittal. Sundt will get these documents incorporated and submit along with the subsequent GMP-2 resubmittal that will roll-in 100% Design and Specification at the end of November per the adjusted Preconstruction schedule discussed.	These forms will be completed when the subcontract is completed with the selected subcontractor.	Documents are not in the 12.19.19 resubmittal. Please confirm when these will be addressed.	These forms will be completed when the subcontract is completed with the selected subcontractor.
4	Pile Driving Mitigation Measures	PMO	Have the mitigation measures for pile driving been addressed by the bids?	2	Sundt	Sundt is requesting PMO interpretation and further definition of what Mitigation Measures are required for Pile Driving. Sundt has accounted for Sound mitigation, Vibration monitoring, Restricted Work hours, and designated Trucking Routes. One of the Sound Mitigation measures will include a 24' High Temporary Sound Wall attached to the Shoring Soldier Piles on the west side of the site during the Phase 1 Pile Driving of lower elevation piles. It should be noted that the Temporary Sound Wall will not be in place for the Phase 2 Pile Driving of the higher elevation Piles for the Headworks, MBR, Electrical, Admin Building, and Yard Piping Piles. These locations are located outside of the Shoring Wall perimeter. Other sound mitigation items that will be incorporated is the required use of Hydraulic Pile Hammers and Sound Attenuation Shrouds at the blow contact point.	GMP2 resubmittal also included a 16' sound wall to account for Phase 2, along Detroit Drive east curb to mitigte noise for All-American Storage and the residentail area behind it.	Wanted confirmation that the hydraulic hammer and shroud will be used. This is not clear in the proposal - please add to clarifications. 16 ft temporary wall will be used for the Phase 2 pile driving and has been included.	The Hyrdraulic Hammer with shroud is part of Foundation Constructors base bid. Just a FYI – Foundation would offer a \$85K credit if they can go with a Diesel Hammer with their new shroud design. This was discussed ...but was rejected by City as communication already went out to the public that we were going to use a hydraulic rig.
5	Narrative, Page 5 of 7, WC 0135 - Dust Control & Street Sweeping and WC 0136 SWPPP	PMO	The current construction schedule for GMP 1 is NTP (June 4, 2019), Substantial Completion (July 31, 2020) and Final Completion (October 1, 2020). The proposed construction schedule for GMP 2 is NTP (December 2, 2019), Substantial Completion (November 19, 2021) and Final Completion (December 14, 2021). The schedule being carried for GMP 3 is NTP (June 2020), Substantial Completion (March 2024) and Final Completion (June 2024). Because GMP 2 is overlapped by GMP 1 and GMP 3, why is additional fee shown for GMP 2? Clarify coverage for additional 6 months, when GMP 1 is shown for 14 months.	2	Sundt	Street Sweeping and Dust Control are activities that will be required throughout the duration of the Project. The first 14 months for this was covered in GMP-1, the second 6 months for this is carried in GMP-2, and the remaining project duration will be covered in GMP-3. GMP-2 activity is overlapped on both ends with GMP-1 and GMP-3 activity. It was communicated in the GMP-1 review that these type of costs would be based upon a set time duration for each GMP. With simultaneous GMP activity, it would be difficult to separate out and allocate costs to a specific GMP. The various dates referenced in the Comments are no longer current due to GMP-1 delays and trailing impacts on GMP-2/3. A revised GMP-2 schedule will be included with the GMP-2 package resubmittal.	Schedule has been revised and included in the scheduling section of this GMP.	Done	
6	Narrative, Page 5 of 7, WC 0135 - Traffic Management	PMO	The current construction schedule for GMP 1 is NTP (June 4, 2019), Substantial Completion (July 31, 2020) and Final Completion (October 1, 2020). The proposed construction schedule for GMP 2 is NTP (December 2, 2019), Substantial Completion (November 19, 2021) and Final Completion (December 14, 2021). The schedule being carried for GMP 3 is NTP (June 2020), Substantial Completion (March 2024) and Final Completion (June 2024). Because GMP 2 is overlapped by GMP 1 and GMP 3, why is additional fee shown for GMP 2? Clarify coverage for additional 6 months, when GMP 1 is shown for 14 months.	2	Sundt	Similar comment as Comment #5. The response to Comment #5 above applies to Traffic Management as well.	Schedule has been revised and included in the scheduling section of this GMP.	Done	



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7	Narrative, Page 5 of 7, WC 0309 - Tower Cranes	PMO	Why is the City paying a premium to lease two tower cranes early that will not be used until GMP 3? The contractor is required to provide the necessary equipment for the work.	2	Sundt	The City will not be paying a premium as Sundt will only submit invoicing for the Tower Crane costs as they are expended each month. Also, the Tower Cranes will be installed in a "just in time" manner to support the GMP-3 Concrete scope, eliminating any cost related to idle time of the installed Tower Cranes. The Tower Crane subcontract commitment release should be put in place 6 months in advance of need date to ensure market availability and to complete the design of the Crane foundations. Costs for submittals, delivery, erection, testing, and OSHA certification of the two Tower Cranes is carried in GMP-2, along with the first 3 months of monthly lease, operator costs, maintenance, and inspections. Lease and operational costs beyond the first 3 months will be carried in GMP-3, along with dismantling and demob costs. The GMP-3 subcontractors will be made aware that these Tower Cranes will be available and that supplementary mobile cranes will only be allowed if approved by Sundt. The subcontractor will be responsible for carrying any supplemental cranes that they feel is necessary in their submitted bids.	Tower Crane costs were revised in the resubmittal. The cost includes the bare rental of the tower cranes, erection, and inspections	Include stipulation for release by Owner.	The Subcontract to Bigge Crane will not be released until we have prior authorization from Jacobs/City to proceed. Just a fyi, we will need to release this within a few weeks after GMP-2 NTP to secure the Crane availability. Also, we need to know what the exact Crane is so our Structural Engineering consultant can design the supporting Piles and Crane Foundations.
8	Narrative, Page 5 of 7, WC 3100 - Excavation	PMO	WC 3100, Item 1 - Why is the earthwork for the BioActiflo area included? Wasn't this addressed in GMP 1?	2	Sundt	This is Earthwork scope to excavate out the lower elevation area for the ActiFlo process area and haul-off to fill site. This is included in GMP-2 as it can only be done once the Piles are driven from the 88' Elevation Level with a follower bar to the required recessed elevation and then subsequent installation of the perimeter sheet pile by the Pile subcontractor (Note: The Sheet Pile will be used as the exterior form wall for this lower elevation as cleared by HDR)	No change to the initial response.	Provide unit cost detail.	See EBI quote included in the GMP-2 resubmittal package. The volume of earthwork aligns with the perimeter dimensions and depth of the ActiFlo process area.
9	Narrative, Page 5 of 7, WC 3100 - Excavation	PMO	WC 3100, Item 2 - Clarify the extent of the 4 inches of 3/4-inch drain rock. Is this for the entire excavation, or just the BioActiflo area?	3	Sundt	This includes coverage layer for the mass ex area within the perimeter shoring area. This serves two purposes 1.) Protection of the Lime Stabilized Structural Subbase, and 2.) Provides a surface that will minimize rain delays during the Pile Driving operation. This will not be applied to the lower elevation BioActiflo area. Scope to scrape and push this drain rock to the shoring perimeter to be used as backfill once the exterior Concrete walls are in place will be included in GMP-3.	No change to the initial response.	Done	
10	Narrative, Page 5 of 7, WC 3100 - Excavation	PMO	WC 3100, Item 3 - Provide detail for the pile drilling spoils quantity. Summary shows this as 60 loads. Presented as a lump sum, with no sub quote provided.	2	Sundt	The spoils quantity was determined by the amount of Piles and the associated pre-drill diameter and depth. The cost per load includes a loader, trucking, and disposal cost. Cost was validated from equivalent unit rates extracted from GMP-1 from Evans Brothers with inclusion of scheduled Union Labor Rate increases scheduled for June 2020.	The quote has been included in the resubmittal and can be found in the Evans Brothers proposal.	Provide unit cost detail.	Spoils will be hauled-off to Ox Mountain Landfill. See Add Alt#4 on 2 <sup>nd</sup> page of the EBI quote that was included in the GMP-2 resubmittal package.
11	Cost Summary	PMO	WC 3100 - Import, placing and compacting of 4-inch granular base at \$1.34/sf appears high. Was only Evans Brothers asked?	2	Sundt	The relatively small amount of Earthwork in GMP-2 was not competitively bid. Evans Brothers unit costs obtained via the GMP-1 bid process was utilized where applicable. When unit rate costs were not established, the Sundt Estimate team reviewed Evans Brothers proposed unit rates and costs to ensure within local market rates. The unit rate covers import, place, and compact and was determined to be in alignment with market.	No change to the initial response.	Done	
12	Cost Summary	PMO	WC 3100 - Hauling of drilled spoils at \$1,550/load appears high. Verify disposal location and cy/load. Was only Evans Brothers asked?	2	Sundt	The relatively small amount of Earthwork in GMP-2 was not competitive bid. Evans Brothers unit costs obtained via the GMP-1 bid process was utilized where applicable. When unit rate costs were not established, the Sundt Estimate team reviewed Evans Brothers proposed unit rates and costs to ensure they were within local market rates. The cost per load includes a loader, trucking, and disposal cost. Cost was validated from equivalent unit rates extracted from GMP-1 from Evans Brothers with inclusion of scheduled Union Labor Rate increases scheduled for June 2020.	No change to the initial response.	Identify landfill.	Unit cost is \$1,550/load which includes loading of the truck, trucking to the landfill, and associated disposal fees. This unit cost includes the anticipated several loader mobilizations. This is not a continuous duration scope, it will be sporadic over the entire Pile duration. See Add Alt#4 on 2 <sup>nd</sup> page of the EBI quote that was included in the GMP-2 resubmittal package.



Comment Number	Reference Page No.	Reviewer	Review Comment	CAT NO.	Responder	Sundt Responses - 10/17/19	Sundt Responses - 12/19/19	PMO Final Adjudication: "Done" if resolved	Sundt Responses - 2/20/2020
13	Schedule	PMO	Sundt previously indicated that the indicator pile testing was increasing the schedule by 3 months. The schedule shows the indicator pile testing for lower elevation and higher elevation piles being completed in two separate phases, which extends the schedule further. Why are these being performed approximately a year apart? Please explain the basis for the schedule.	2	Sundt	After discussions with HDR Structural/Geotechnical Engineer on the Indicator Pile Testing requirements in the 90% Bid Specification, they agreed that the Spec requirement would be adjusted along with the number of identified Indicator Piles on the 90% Bid drawings. The 100% Drawings and Specs will document these changes, and identify select areas where Production Piling can start simultaneously. Regarding the 2-Phase Pile Driving Approach, lower elevation piles will be completed in Phase 1. The GMP-3 Concrete Subcontractor will then pour the lower elevation mat slab and build the exterior walls adjacent to the adjoining higher elevation Structures (Headworks, MBR, Electrical, and Admin Building) and any additional concrete walls that is required by HDR Structural Engineer to allow backfilling against these Exterior Wall sections. Once backfill is allowed, the sub-base for the adjoining structures will be built up to the specified elevation levels and which point the Phase 2 Piling will resume on the higher elevation structures. Once the 100% Pile Design and Specs are released, the GMP-2 schedule will revised to reflect and will be included with the GMP-2 package re-submittal. The time gap between Phase 1 Pile Driving Completion and Phase 2 Pile Driving Start is 5-6 months, not the one year noted in the Comment.	Please refer to the new schedule that has been modified to reflect RFI-10 in this resubmittal.	Done	
14	Schedule	PMO	The schedule shows fabrication, cure and delivery of the production piles prior to Engineer review and approval of the Indicator PDA report. Clarify timeline.	2	Sundt	As noted in Comment #13, HDR Structural/Geotechnical Engineer agreed to allow flexibility with this and will be documented in the 100% Drawings and Specifications. They have provided a marked-up drawing showing areas where Production Pile work can be completed simultaneously with Indicator Pile Testing/Submittal/Engineer Review period.	No change to the initial response. The new schedule incorporates this comment.	Done	
15	Schedule	PMO	The planned City Council meeting is currently November 18, 2019. NTP is two weeks after the City Council meeting.	3	Sundt	Sundt will adjust NTP date to reflect what the City requires for this duration.	The new city council date is in March 2020.	NTP is April 7, 2020	GMP-2 NTP date of April 7 <sup>th</sup> is noted. This date will be carried in the GMP-2 revised schedule that will be included in the final GMP-2 package submittal on 2/28
16	Estimate Summary	PMO	The Direct Cost line shows 5 work/bid packages of which WC 0300 and WC 3123 are listed. Should these be WC 3100 and 3132?	3	Sundt	WC-0300 is the concrete work for the tower crane foundation and WC-3123 is a continuation of the Dewatering Treatment System that was bid and awarded to Clear Creek in GMP-1.	No change to the initial response.	Done	
17	Estimate Summary	PMO	Explain the need for the Direct Cost allowance for sheet piling for sumps, for \$514,090.	2	Sundt	This Allowance is to drive sheet pile around the 4 Process Drain Sumps and then excavate it out to the 12' required depth for subsequent concrete forming. Similar to Comment #8, this can only be done once the Piles are driven from the 88' Elevation Level with a follower bar to the required elevation and then subsequent installation of the perimeter sheet pile by the Pile subcontractor. Allowance assumed 4 - 12' x 12' Sheet Pile Boxes - 12' deep; equating to 2,300 sq. ft of sheet pile. Excavation includes digging out 256 cy of Bay Mud and hauling to disposal site. The allowance estimate was based upon extrapolation of the unit costs used for the BioActiflo area that was included in the base bid.	This cost allowance has been removed from the original submission and has been revised to include Malcolm Drilling to drill and place 72" ID steel casing these four sumps. A new work category has been added to this submission, WC-3141 Sump Drilling.	Approach has changed - removed from allowance and priced as shown in contract documents.	This change in scope was captured in the 12/19 Sundt Responses. The Initial cost allowance has been removed and included in a new Work Category WC-3141 Sump Drilling
18	Quotes - WC 3162, Piles	PMO	In the summary, the quote for Foundation Constructors is shown as \$10,678,925 and the quote for Condon Johnson is shown as \$11,272,840. The detailed bids show the opposite - Foundation Constructors at \$11,203,000 and Condon Johnson at \$10,187,900. The cost carried in the overall total is \$10,785,714. Explain the differences.	2	Sundt	The Foundation Constructors proposal that was included with the GMP-2 Submittal Package was not the latest version. The latest Foundation Constructors proposal, based upon the final Bid Addendum that Sundt released during the GMP-2 bid process, will be re-submitted for PMO review. This proposal amount of \$10,062,00 aligns with the first 8 line items in the Pile Bid abstract. The additional Bid Abstract line items cover other Pile related scope such as Tower Crane Piles, Vibration Monitoring, Stormwater Evacuation, Pile Cut-offs, and the Temporary Sound wall monthly lease and dismantling. The \$10,785,714 carried in the submitted estimate includes all of the noted items plus subcontractor default insurance and applicable taxes.	A revised abstract has been included in the resubmittal to include updated RFC pile drawings, additional piles required for GMP3 yard, tower crane foundations, and 17 additional piles for known changes that will be in the next release of the RFC documents.	Verify piles per permit review comments have been added.	The addition of 17 piles that were not included in the GMP-2 RFC design were captured in the Foundation Constructors price per the 12/19 Sundt Responses (attached). The HDR drawings received today showing these 17 additional piles are under review by Foundation Constructors for one more last validation. No change to the Foundation Constructors pile count and cost is anticipated.









March 03, 2020

City of San Mateo Nutrient Removal and Wet Weather Flow Management Upgrade & Expansion Project  
RE: GMP2 Response to Owner's Comments Regarding General Conditions and Requirements

Please see the attached comments and responses to the final GMP2 negotiations.

If you have any questions, please send an email to [acastaneda@sundt.com](mailto:acastaneda@sundt.com) or call at 480-436-2753.

Thank you,

A handwritten signature in black ink, appearing to read "Andre Castaneda".

Andre Castaneda  
Sundt Construction, Inc.



Comment Number	PMO Review Comment - 2/28/20	Sundt Responses - 3/2/20	PMO Responses - 3/2/20	Sundt Responses - 3/3/20
1	Labor hours decreased, yet labor rates and vehicle rates increased since the December 2019 submittal. Why?	After review of the prior submitted GMP-2 package on 12/19, it was revealed that the labor rates did not align with GMP-1. The GMP-2 rates were adjusted accordingly. The 12/19 submittal vehicle rates did not include 9% tax, which was also adjusted.	Labor Hours – Accepted for GMP 2. Provide a labor rate sheet for anticipated personnel positions for the entire project. The City limits the annual rate increase for personnel on projects, so there needs to be agreement on the labor rates for GMP 3.	Acknowledged. Labor rates for GMP-3 will be discussed with the City as part of the GMP-3 budget development process.
2	Public Outreach labor should reflect the limited scope and be reduced further.	Not sure if the Pile Driving phase coincides with the "limited scope" comment for this role. Regardless, the Public Outreach labor is showing zero'd out on latest GC/GR cost submittal as we discussed at the 2/18 review meeting. At the same meeting Sundt offered to turn over all the Community Outreach budget but was directed to keep in the material budget for this line item. As mentioned then, Sundt will give it all back and let Jacobs/City handle everything on this front. Sundt is looking for confirmation from Jacobs/City to do such.	Sundt to reduce the fee to reflect the scope in GMP2, focused on the door hanger production and distribution.	Acknowledged. The budget has been adjusted to \$7,700 for printing of 3,800 door hangers and neighborhood distribution. As directed at the 3/2 meeting, an additional \$25,000 was added to the Owner's Contingency Risk/ Matrix Log (Item#10) for any additional Neighborhood Outreach related costs.
3	Site Security Personnel cost was increased. Why?	The Security Contract that was recently put in place is \$18.40 per hour for Security watch. At 113 hours per week, the weekly rate is \$2,079 equating to the \$54,080 over the 26 week covered period. The 2/19 submittal was updated accordingly. If Jacobs/City has other sources that will sign the PLA and less expensive, Sundt will consider changing suppliers.	Accepted as shown in the 2/27 General Conditions summary, based on explanation.	Acknowledged.
4	Tablets were funded under GMP-1. Staff has not changed, so there should be no additional cost in GMP 2.	Regarding GMP-1, the previous budget did not carry tablets for all staff members. For GMP-2, one of these tablets should have been removed due to the elimination of the 2nd Field Engineer from the staff that that was recently discussed at the 2/19 review meeting. The remaining budget are tablets that were planned to be designated as loaners to on-site Subcontractor Safety professionals to execute field safety audits for roll up into Sundt's Construction Analytics AI Platform. Sundt has reassessed the latter and determined that this can be deferred until GMP-3. Sundt will zero out this GMP-2 carried budget line	Accepted as revised. Cost will be reduced to \$0 for GMP 2.	Acknowledged.
5	Chemical toilets at \$50K over 6 months appears high based on rates we are seeing. Provide quote or go T&M.	Besides coverage for the GMP-2 site headcount subcontractors, Sundt plans to mobilize the major GMP-3 subcontractors starting in mid-October increasing the number of Chemical Toilets/Hand Wash stations on the site. Sundt (and OSHA) requires 1 Chem toilet per 10 heads plus Hand Wash stations at a minimum....plus additional to account for reasonable walking distance and gender regardless of headcount. Unit rate is \$146/month for each Chemical Toilet and Hand Wash station. This GMP-2 line item is carrying on average 15 Chem toilets and 5 Hand Wash Stations over the 6 month period.	Accepted as revised. Cost will be reduced to \$18,300 for GMP 2.	Acknowledged.
6	Will allow \$5K for safety incentive.	Sundt will reduce this budget line item to align.	Accepted as revised. Cost will be reduced to \$5,000 for GMP 2.	Acknowledged.
7	Video surveillance appears high. Provide quote or go T&M.	The monthly data and hosting service is \$1.5K per month totaling \$9K over the period. An additional \$4K was carried for maintenance and service of the Cameras and connected Solar Panels. The remaining \$13K was carried in this line item to relocate the two camera/solar panel units to the two tower cranes. If Jacobs/City is satisfied with them staying in the current location and the coverage once the structure comes out of the ground, Sundt can reduce this line item by the noted amount. Sundt is fine with executing all Video Surveillance scope under a T&M basis and relinquishing the	Cost to be maintained as shown in the 2/27 General Conditions summary as lump sum; cameras to be relocated to the two tower cranes. T&M will not apply to this line item.	Acknowledged.



Comment Number	PMO Review Comment - 2/28/20	Sundt Responses - 3/2/20	PMO Responses - 3/2/20	Sundt Responses - 3/3/20
8	Lunch tent was funded under GMP 1 for \$13K and not used. There should be no additional cost in GMP 2.	This has already been discussed. Cal-OSHA requires the project to have shade/rain cover for the on-site craft workforce, which will double as a lunch/break area. Sundt has not yet put up this temporary structure carried in GMP-1 as the planned demo of the existing metal building was intentionally delayed fulfilling this requirement. Due to the Class 1 Contaminated Soil expanded boundary, the metal building was demo'd last week. Sundt has already initiated the procurement process to install a commercial wind rated/waterproof covered shade structure. The GMP-2 budget is to carry the lease/maintenance cost of this temporary structure over the 6 month period.	We had further discussion on this after the call. The cost in GMP 1 and 2 shall be carried for purchase, without an increase in GMP 3. We can discuss this further as there were some ideas proposed.	Acknowledged with exception. The GMP 1 and 2 budget will be used to purchase and install a 800 sq. ft. temporary facility and related maintenance costs through GMP-2. This will provide capacity for ~50 construction craft. The cost for GMP-3 will be established during the GMP budget development process. It will most likely require funding for another lunch tent facility to handle the GMP-3 construction headcount increases and maintenance costs.
9	Light plant was funded under GMP 1 for \$21K and not used. There should be no additional cost in GMP 2.	Temporary lighting plants were used in GMP-1 when work hours in December/January extended past 5 pm. Also, as part of the GMP-1, additional temporary lighting is in the works to be installed adjacent to the Dewatering Treatment System to better allow for inspection/troubleshooting/repair after daylight hours. The two City street light poles facing Detroit across from the storage facility will also need refed from the temporary power source which will be carried by the GMP-1 budget. (Note: The separate two light poles facing the site were included in the temporary power plan to be refed). With regards to GMP-2, the 6 month covered time span includes the months of December/January where additional light plants for specific tasks will be necessary past 5 pm. Also, this covers interim refeeding of 2 additional Detroit Rd Street lights on the north side of the existing plant that will become de-energized once PG&E cuts off power to the permanently closed section of Detroit. If the City/Jacobs desires, Sundt is fine with executing all the GMP-2 Temporary lighting needs under a T&M basis and relinquishing the associated risk of this \$8.3K budget line item. CMAR staffing costs to execute T&M will be included.	Cost to be maintained as shown in the 2/27 General Conditions summary. Explanation in the summary to be clarified.	Acknowledged. Costs will be maintained and will the lighting will be used for temporary lighting.
10	Small tools were funded under GMP 1 for \$27K. There should be no additional cost in GMP 2.	Sundt utilizes internal data and benchmarking to establish historical unit rate per labor hour expended to establish the small tools budget on all projects. The rates used in the 2/28 GMP-2 cost submission were reduced over 50% from the previous 12/18 GMP-2 submission to account for the PLA and subcontracting of the Work in lieu of self-perform. Sundt, as the project CMAR/GC still has a need for small tools, and these needs continue through the duration of the project. Sundt feels the \$15.3K budget for this line item is fair to cover on-going small tools through GMP-2.	The rate basis proposed for GMP 2 is acceptable, but shall be applied to GMP 1 (through an Owner Contingency Credit) and GMP 3. The City is interested in keeping any purchased small tools at the end of the project that could be used by their Maintenance Group.	Acknowledged. The GMP -1 Small Tools credit was included in the resubmitted GMP-1 Change Request OC-09 that covers multiple GR line item credits.
11	Please explain the need for Safety Barricades (\$11K) beyond the traffic control devices being provided by the traffic control sub.	This budget line items carries the anticipated amount of Safety barricading to protect on-site construction, temporary created site hazards (i.e. trenching, fall protection, tower crane) and protection of installed equipment/assets. Barricading will be needed down in the mass ex area to protect select piles and the deeper excavations areas (Actiflo, Elevator Shaft, Drain Sumps). If the City/Jacobs desires, Sundt is fine with executing all the GMP-2 Safety Barricading under a T&M basis and relinquishing the associated risk of this \$11K budget line item. CMAR staffing costs to execute T&M will be included.	Cost to be maintained as shown in the 2/27 General Conditions summary.	Acknowledged.





# C—GMP2 Construction Schedule



## **City of San Mateo, CA**

### **San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project**

City of San Mateo Project No. 10048652

## **GMP 2 Preliminary Schedule Narrative**

### **\* Project Milestone Dates**

Notice to Proceed GMP 2:	04-07-20
Substantial Completion GMP 2:	11-17-21
Final Completion GMP 2:	01-21-22

\* Final Contract dates for GMP-2 will be based upon the approved GMP-2 Baseline Construction Schedule that will be submitted after the GMP-2 Notice to Proceed milestone.



**SUNDT**

Project No. 161925



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## 1.0 - EXECUTIVE SUMMARY



The San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project is located in the City of San Mateo, CA. The City of San Mateo (“Owner”) and SUNDT Construction (“Construction Manager”) has entered into a Contract for the planning, procurement and construction of the San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project. This GMP 2 schedule is based on City Notice to Proceed (NTP) occurring no later than **April 7, 2020** and will be substantially complete by **November 17, 2021** with final completion **January 21, 2022**. The Substantial and Final completion dates on the subsequent Baseline Construction Schedule will be submitted after the GMP-2 NTP milestone, will be amended into the Prime Contract and serve as the dates for Liquidated Damages.

The scope of GMP 2 includes construction activities primarily center on Pile Driving and other peripheral construction scope including Sheet Pile perimeter installation and excavation for the lower elevation ActiFlo area and the Elevator Pit, large diameter drilling and steel sleeve installation for the Process Drain Sumps, Tower Crane installation, and other miscellaneous construction support activities.

GMP-2 includes driving Precast Concrete Piles in the lower elevation areas and the higher elevation areas, distinguished by Phase 1 Piles and Phase 2 Piles. The scope also includes installation of Piles for the tower crane foundation and the large diameter Yard Piping adjacent to the new WWTP structure.

## **2.0 - INTRODUCTION**

The GMP 2 Schedule and Narrative have been prepared in conformance with City of San Mateo, Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project Prime Contract and GMP-2 Specifications Spec # (01 32 16). The intent of this narrative is to achieve the following objectives:

1. To explain fundamental concepts that will form the basis for SUNDT’s GMP-2 Baseline Construction Schedule that will be submitted after GMP-2 Notice to Proceed.
2. To describe SUNDT’s construction plan and strategy for the completion of the GMP-2 scope in a timely and cost-effective manner.



### 3. To explain SUNDT's GMP 2 Bid Construction schedule based on the contract documents

This schedule does not include any allowance for changes and/or delays with the exception of weather day allowances discussed in subsequent sections. Consequently, any such changes are not reflected in these documents. Any agreements made and conditions encountered in the field may impact many aspects of the project schedule. Therefore, this schedule and narrative report is a management tool that will continue to evolve throughout the duration of the Contract.

## **3.0 - CONTRACT REQUIREMENTS**

This section discusses certain Contract requirements that SUNDT relied on in developing its Contract Bid Construction Schedule for the Project. This section also outlines the procedures that SUNDT will follow to maintain and submit Monthly Schedule Updates as required by the contract.

### **3.1 - Agreement Documents**

SUNDT prepared and submitted this GMP 2 Schedule relying on the information provided by the Owner. SUNDT relied on the Owner providing accurate and complete Agreement Documents that include a constructible set of plans and specifications from which all elements of the Work can be constructed. SUNDT also relied on the fact that the Agreement Documents accurately and completely communicated all the obligations that the Owner and SUNDT are expected to perform under the Agreement.

### **3.2 - Responsibility and Right to Early Completion**

SUNDT has control over its means and methods and has the right to sequence the Work and to utilize resources in the most efficient manner. Thus, SUNDT has the authority to modify its construction means, methods, techniques, sequence and procedures to address the needs of the Project. SUNDT is responsible for the ultimate planning and scheduling of the Project and has developed its GMP 2 Schedule in order to perform the Work in the most efficient manner and in compliance with the Agreement Documents.

### **3.3 - Delay and Time Extension**

The Contract Documents indicate that a time extension will be granted to SUNDT due to events beyond SUNDT's control that delay critical items of work. The analysis of a delay event is to



be performed on contemporaneous information and a decision concerning such delays should be made at the time of the delay as specified in the contract document.

In case of a delay to a critical item of work for reasons within SUNDT's control, SUNDT will submit a recovery schedule as required by the contract.

In case of a delay to a critical item of work due to reasons beyond SUNDT's control, SUNDT will inform the Owner's representatives and provide the proper and timely time extension request, including, submitting a Time Impact Analysis (TIA) and a corresponding Narrative Report.

### **3.4 - Activity Duration and Work Hours**

SUNDT's GMP 2 Schedule was developed using historical data relating to productions and resources required for this type of work. Every project is unique; thus, experience and judgment has been used to adapt this information to the existing conditions of this project, typical area weather patterns, and to current market conditions.

SUNDT's GMP 2 Schedule is primarily based on working 5 days per week, and Saturday work at SUNDT's discretion with City approval. Standard work hours are 7am – 5pm. All heavy noise producing activities including Pile Driving Operations will be limited to 9am – 5pm.

### **3.5 - The Calendar System**

In its planning and scheduling and in accordance with contract requirements Spec# (01 32 16-6 Paragraph 2), Sundt has accounted for all standard holidays and other planned non-workdays or periods using two distinct work calendars. No additional time has been allocated to the work activity durations to account for any non-work periods, impacts or other changes. The following calendars are included in the 100% GMP 2 schedule. Additional calendars may be added as the project schedule progresses.

1. Calendar 1: 5 days/week – Single shift day with San Mateo Holidays
2. Calendar 2: 7 days/week 24 hours/day,

Anticipated adverse weather data was taken from the National Weather Service website (<https://www.weather.gov/climate/index.php?wfo=mtr>). The data was analyzed and SUNDT



has included a 15-day weather allowance for the GMP 2 schedule. The Contract provisions around requesting additional weather days beyond the allowance will be followed.

### 3.7 - Holidays

Holidays reflect Sundt's current paid holiday schedule. As the schedule progresses additional holidays customary to local union labor market will be included as required by the PLA.

New Year's Day	January
MLK Day	January
President's day	February
Good Friday	April
Memorial Day (Day Before)	May
Memorial Day	May
Independence Day	July
Independence Day (Day After)	July
Labor Day (Day Before)	September
Labor Day	September
Veterans' Day	November
Thanksgiving Day	November
Day after Thanksgiving	November
Christmas Eve	December
Christmas Day	December
New Year's Eve	December

### 3.8 - Activity Coding

The activities in the GMP 2 schedule have been assigned the proper activity codes in order to help organize, manage and extract information from the schedule. The Baseline Construction Schedule activity coding will follow Spec # 01 32 16-5 Paragraph B.

### 3.9 - Project Permits

In preparing this GMP 2 Schedule, SUNDT has relied on the Owner to obtain certain required permits, as outlined in the Specification. The Owner is responsible for maintaining these permits through the duration of the Project.



### **3.10 - Long Lead Items**

SUNDT intends to minimize the Shop Drawing and Submittals review and approval durations to the extent possible. Maximum review and approval durations are included in the Specifications. Expediting this process may involve “on-board” reviews to clarify information or “revise and resubmit. This typically allows for one full review cycle and a short, added resubmittal cycle if needed.

## **4.0 - CONSTRUCTION PLAN AND STRATEGY**

This section of the GMP 2 Schedule Narrative explains SUNDT’s major construction operations, estimated productions, and respective assumptions made at GMP time based on Owner provided Agreement Documents. In order to summarize the information of the schedule, eight major groups, items or locations have been created as follows:

### **4.1 - Major Work Breakdown Group Items**

CONTRACT MILESTONES  
PROJECT MILESTONES  
OWNER ACTIVITIES  
PERMITTING  
PRECONSTRUCTION  
PROCUREMENT  
CONSTRUCTION

### **4.2 - Crew Utilization and Leveling**

It is imperative to the efficiency of the work that all resources be employed as they become available in an area requiring their utilization. It is also imperative that, if unforeseen events force resources to shut down, or if resources could be better utilized in areas different from scheduled or current assignments, Sundt must be able to employ these resources in a reasonable manner which allows appropriate progression of the work while honoring the logic driven relationships between the activities. Impacts to Sundt’s resource utilization could affect the job duration and efficiency. The GMP 2 Schedule accomplishes this goal by using schedule logic to model logic-based relationships and preferential logic to model preferential sequencing and resource limitations.



## 5.0 - SUNDT 'S SCHEDULE STRUCTURE

### 5.1 - Network Structure

SUNDT has developed a computerized Critical Path Method (CPM) Schedule using Primavera Systems®, Inc., v17.8.0® 2017. The GMP 2 Schedule has been developed using the Precedence Diagramming Method (PDM) and complies with Pre-Construction Contract requirements.

### 5.2 - Activity ID

In the schedule, the Activity ID is used to differentiate one schedule activity from another and to divide activities into logical groupings.

## 6.0 - CRITICAL ASPECTS OF THE WORK

### 6.1 - Critical path

The GMP-2 Critical Path begins with the City issuing NTP and ends with Final Completion per Spec # (01-32-16-7 Paragraph 4). The following items are on the critical path: Pile Foundations, and Installation of Tower Crane Base.

The list of all Critical Path activities from the GMP 2 schedule can be found in Appendix A – Preliminary Critical Path Activities.

The GMP 2 Schedule can be found in Appendix B – GMP 2 Preliminary Schedule

### 6.2 - Contract Milestones

SUNDT GMP 2 Schedule milestones per submitted Preliminary Schedule include:

Milestone	*Date
GMP 2 – Construction Notice to Proceed	07-Apr-20
GMP 2 – Substantial Completion	17-Nov-21
GMP 2– Final Completion	21-Jan-22

\* Final Contract Milestone dates for GMP-2 will be based upon the approved GMP-2 Baseline Construction Schedule that will be submitted after GMP NTP release.



### **6.3 - Activity Constraints**

The following activity constraints are currently embedded in the GMP 2 schedule:

1. CMS001600 – GMP 2 – Notice to Proceed (04/07/20) – Finish on or After
2. CMS001701 – GMP 2 – Substantial Completion (11/19/21) – Finish on or Before
3. CMS000180 – GMP 2 – Final Completion (1/21/22) – Finish on or Before

### **6.4 - GMP 2 Schedule Assumptions**

The GMP 2 Schedule is based on the following assumptions which are included in the cost basis for this project:

1. GMP 2 Notice to Proceed (NTP) – April 7, 2020
2. Pile Foundation Permit to be obtained and RFC Construction Document Revisions to be released by March 17, 2020
3. Weather Days incorporated into the schedule include 15 working days over the GMP 2 project duration.

### **6.5 - Float**

The GMP 2 Schedule for this project was developed with Zero total float on the critical path.

### **6.6 - Resource Loading**

This version of the project schedule has projected resources. Completion of resource loading will occur once the GMP-2 subcontractors are awarded and the Last Planner sessions are complete, as defined in Section 7.2. The subsequent Baseline Construction schedule will be developed and follow the Prime Contract requirements and Specification # 01 32 16.

## **7.0 - Project Schedule Updates**

### **7.1 - Design Progression Schedules**



Upon NTP release, this GMP 2 Schedule will be updated and will transition into the GMP-2 Baseline Construction Schedule submittal as defined in the Contract. This Schedule was based upon the released GMP-2 RFC Design documents. Any subsequent Design Addendum releases will be captured in the GMP-2 Baseline Construction schedule through the monthly schedule update process.

## **7.2 - Pull Planning**

The GMP-2 Construction Baseline Schedule will be developed and updated using the Last Planner System™ Pull Planning. The Last Planner System™ is part of Sundt Procedure and commitment to complete the project on time and within Budget.

Pull Planning is a collaborative meeting process that adds detail to the Master Project Schedule and identifies predictable workflow and constraints. Through this series of meetings, we plan the construction process by starting at the finish line with the proposed complete project as a goal on the right side of the schedule and “pull” backwards (to the left) to intelligently and systematically determine every step necessary to achieve that completion. This contrasts the traditional planning style of "pushing" a project through production without first having a clear view of what is really required.

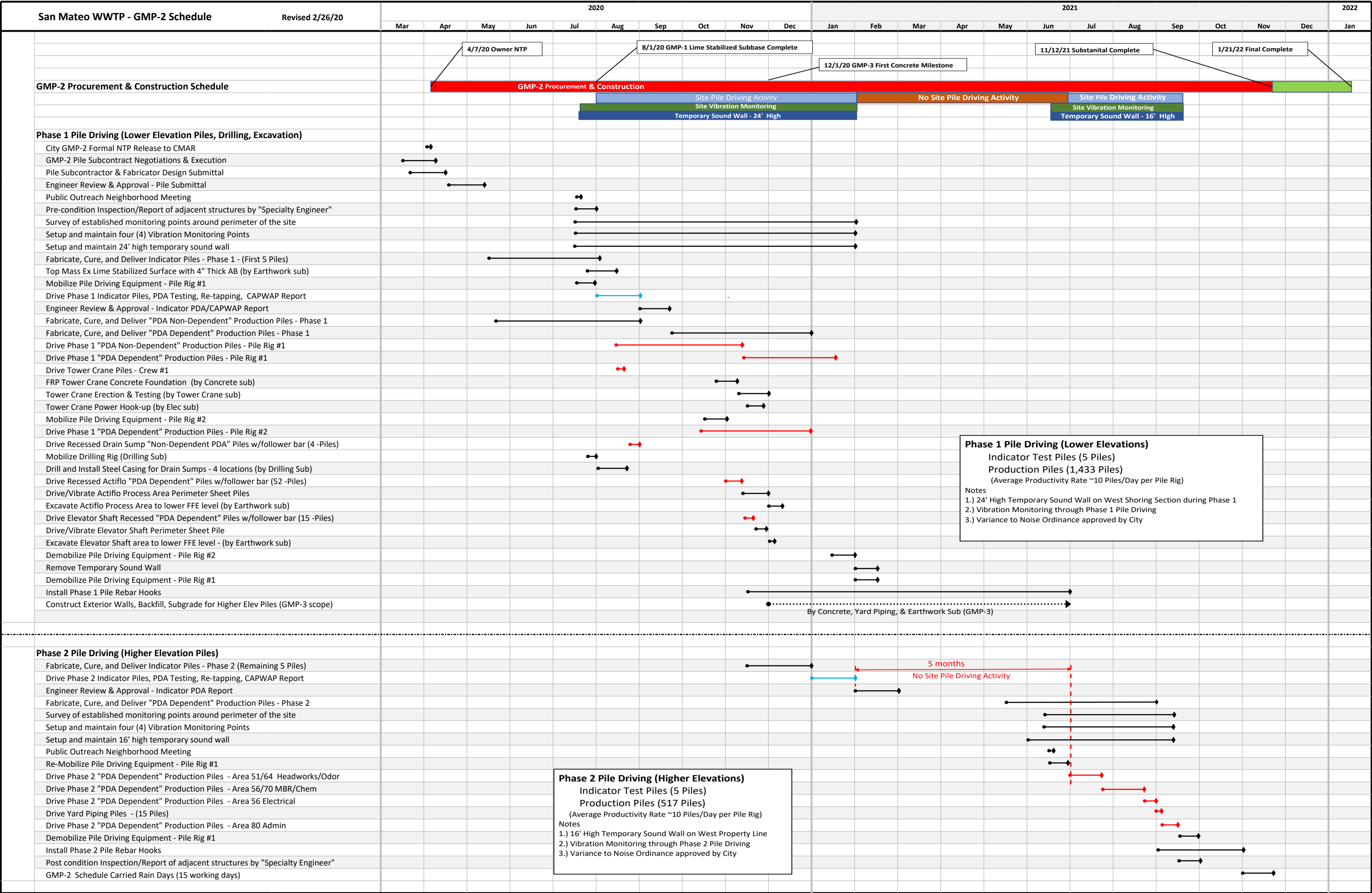
Our Sundt's Project Manager, Project Engineer(s), and Superintendent(s) as well as each subcontractor's assigned field supervision (The Last Planner) for every trade participate in the Pull Planning sessions. This collaborative environment is not intended to recreate the milestone schedule, but rather serves to validate existing construction sequences, durations and can further define the construction schedule by adding or breaking down activities that may initially have been generalized and identify any areas that require reevaluation. The overall outcome is a schedule developed through a collaborative team approach that will serve as basis of the Baseline Schedule that will be submitted and approved after NTP release. Any subsequent schedule changes that modify the Contract Milestones in Section 6.2 will require advance approval by the Owner prior to adjusting the Baseline Schedule. All other required schedule changes to the Baseline Schedule not impacting these Contract Milestone dates will be made and captured in the next subsequent monthly schedule update.



## 8.0 - CONCLUSION

This GMP 2 Schedule and Narrative demonstrates SUNDT's plan to accomplish its project schedule goals while satisfying the requirements of the Contract Documents. Any change or alteration to the contract or scope could have corresponding impact on SUNDT's planned construction methods, schedule, cost, resource assignments, and /or time for completion of the work. This narrative describes SUNDT's intended plan, work process, and general understanding of its schedule and performance obligations as required by the anticipated Contract. This narrative has been prepared to clarify SUNDT's intent for performing the work and should be used and interpreted in conjunction with this GMP-2 Schedule, and the Baseline Construction Schedule that will be submitted after Owner Notice to Proceed. Once the Baseline Construction Schedule is approved and the project is in Construction, the schedule will be accurately progressed on a Monthly basis and should be used as a management tool by all parties.







Activity ID	Activity Name	OD	Start	Finish	2020												2021												2022											
					N	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun				
San Mateo WWTP Schedule - GMP 2 Submittal		639	31-Oct-19 A	09-Jun-22																																				
CONTRACT MILESTONES		440	07-Apr-20	21-Jan-22																																				
GMP 2		440	07-Apr-20	21-Jan-22																																				
CMS001600	GMP 2 - City Issue NTP	0	07-Apr-20*		◆ GMP 2 - City Issue NTP																																			
CMS001701	GMP 2 - Substantial Completion (Pile Foundation)	0		17-Nov-21*	◆ GMP 2 - Substantial Completion																																			
CMS000180	GMP 2 - Final Completion (Pile Foundation)	0		21-Jan-22*	◆ GMP 2 -Final Completion																																			
PROJECT MILESTONES		504	31-Oct-19 A	17-Nov-21																																				
ES000380	CMAR Subcontractor Bid Process/ GMP 2 Submittal	21	31-Oct-19 A	28-Feb-20	CMAR Subcontractor Bid Process/ GMP 2 Submittal																																			
CMS000005	GMP 2 Package Submittal	0	02-Mar-20		◆ GMP 2 Package Submittal																																			
CMS001711	Letter of Intent	0		16-Mar-20*	◆ Letter of Intent																																			
Weather Days		15	27-Oct-21	17-Nov-21																																				
WD100030	GMP 2 Weather Days (15 day allowance)	15	27-Oct-21	17-Nov-21	GMP 2 Weather Days (15 day allowance)																																			
OWNER ACTIVITIES		319	02-Mar-20	15-Jun-21																																				
OW000020	GMP 2 City Council/Staff Review	25	02-Mar-20	03-Apr-20	GMP 2 City Council/Staff Review																																			
OW000060	City Council Meeting - GMP 2	0	06-Apr-20		◆ City Council Meeting - GMP 2																																			
ES000280	City Funding Approval & NTP Release	1	06-Apr-20	06-Apr-20	City Funding Approval & NTP Release																																			
OW001111	Public Outreach Neighborhood Meeting - Phase 1 Piles Scope	1	21-Jul-20	21-Jul-20	Public Outreach Neighborhood Meeting - Phase 1 Piles Scope																																			
4C3200730	Public Outreach Neighborhood Meeting - Phase 2 Piles Scope	1	15-Jun-21*	15-Jun-21	Public Outreach Neighborhood Meeting - Phase 2 Piles Scope																																			
DESIGN		90	31-Oct-19 A	17-Mar-20																																				
GMP 2		90	31-Oct-19 A	17-Mar-20																																				
ES000375	Permit and RFC Design Revisions for Pile Foundation	90	31-Oct-19 A	17-Mar-20	Permit and RFC Design Revisions for Pile Foundation																																			
PRECONSTRUCTION		308	06-Apr-20	06-Jul-21																																				
GMP 2		308	06-Apr-20	06-Jul-21																																				
GMP 2 Preconstruction		308	06-Apr-20	06-Jul-21																																				
ES000400	CMAR Sub Contracting Development & Execution	19	06-Apr-20	01-May-20	CMAR Sub Contracting Development & Execution																																			
A6230	Subcontractor Submittals for Environmental Protections and Special Conditions	23	14-Apr-20	14-May-20	Subcontractor Submittals for Environmental Protections and Special Conditions																																			
A6240	Subcontractor Submittals for Wind and Seismic Criteria	23	14-Apr-20	14-May-20	Subcontractor Submittals for Wind and Seismic Criteria																																			
A6250	Subcontractor Submittals for Precast Prestressed Concrete Driven Pilling	23	14-Apr-20	14-May-20	Subcontractor Submittals for Precast Prestressed Concrete Driven Pilling																																			
A6260	Subcontract Submittals for Pre and Post Construction Surveys and Monitoring	23	14-Apr-20	14-May-20	Subcontract Submittals for Pre and Post Construction Surveys and Monitoring																																			
A6270	Engineer Review and Approval for Environmental Protections and Special Conditions	31	15-May-20	30-Jun-20	Engineer Review and Approval for Environmental Protections and Special Conditions																																			
A6280	Engineer Review and Approval for Wind and Seismic Criteria	31	15-May-20	30-Jun-20	Engineer Review and Approval for Wind and Seismic Criteria																																			
A6290	Engineer Review and Approval for Precast Prestressed Concrete Driven Pilling	31	15-May-20	30-Jun-20	Engineer Review and Approval for Precast Prestressed Concrete Driven Pilling																																			
A6300	Engineer Review and Approval for Pre and Post Construction Surveys and Monitoring	31	15-May-20	30-Jun-20	Engineer Review and Approval for Pre and Post Construction Surveys and Monitoring																																			
Drive Phase 1 Submit/Rev/Fab		178	07-Apr-20	23-Dec-20																																				
DS270	Subcontractor Submittals - Pile Design Submittal	11	07-Apr-20	22-Apr-20	Subcontractor Submittals - Pile Design Submittal																																			
DS280	Engineer Review & Approval - Subcon Submittal	15	23-Apr-20	13-May-20	Engineer Review & Approval - Subcon Submittal																																			
DS260	Fabricate, Cure and Deliver Indicator Piles - Phase 1 - (First 5 Piles)	55	14-May-20	03-Aug-20	Fabricate, Cure and Deliver Indicator Piles - Phase 1 - (First 5 Piles)																																			
DS300	Fabricate, Cure, and Deliver "PDA Non-Dependent" Production Piles - Phase 1	55	01-Jun-20	17-Aug-20	Fabricate, Cure, and Deliver "PDA Non-Dependent" Production Piles - Phase 1																																			











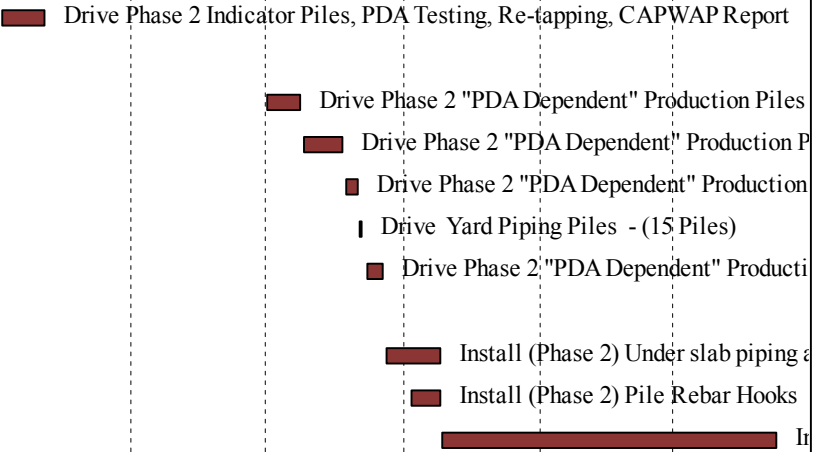




Activity ID		Activity Name		OD	Start	Finish	2020												2021												2022							
							N	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun
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CMS001711	Letter of Intent			0		16-Mar-20*	◆ Letter of Intent																															
Weather Days				15	27-Oct-21	17-Nov-21																																
WD100030	GMP 2 Weather Days (15 day allowance)			15	27-Oct-21	17-Nov-21	GMP 2 Weather Days (15 day allowance)																															
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OW000060	City Council Meeting - GMP 2			0	06-Apr-20		◆ City Council Meeting - GMP 2																															
ES000280	City Funding Approval & NTP Release			1	06-Apr-20	06-Apr-20	City Funding Approval & NTP Release																															
PRECONSTRUCTION				181	07-Apr-20	30-Dec-20																																
GMP 2				181	07-Apr-20	30-Dec-20																																
GMP 2 Preconstruction				181	07-Apr-20	30-Dec-20																																
Drive Phase 1 Submit/Rev/Fab				91	07-Apr-20	17-Aug-20																																
DS270	Subcontractor Submittals - Pile Design Submittal			11	07-Apr-20	22-Apr-20	Subcontractor Submittals - Pile Design Submittal																															
DS280	Engineer Review & Approval - Subcon Submittal			15	23-Apr-20	13-May-20	Engineer Review & Approval - Subcon Submittal																															
DS260	Fabricate, Cure and Deliver Indicator Piles - Phase 1 - (First 5 Piles)			55	14-May-20	03-Aug-20	Fabricate, Cure and Deliver Indicator Piles - Phase 1 - (First 5 Piles)																															
DS300	Fabricate, Cure, and Deliver "PDA Non-Dependent" Production Piles - Phase 1			55	01-Jun-20	17-Aug-20	Fabricate, Cure, and Deliver "PDA Non-Dependent" Production Piles - Phase 1																															
Drive Phase 2 Submit/Rev/Fab				30	13-Nov-20	30-Dec-20																																
DS380	Fabricate, Cure and Deliver Indicator Piles - Phase 2			30	13-Nov-20	30-Dec-20	Fabricate, Cure and Deliver Indicator Piles - Phase 2																															
CONSTRUCTION				449	11-Aug-20	09-Jun-22																																
GMP 2				449	11-Aug-20	09-Jun-22																																
GMP 2 Summary Activities				262	25-Aug-20	17-Sep-21																																
Piles Summary				262	25-Aug-20	17-Sep-21																																
DS490	Drive Phase 1 "PDA Non-Dependent" Production Piles - Pile Rig #1			55	25-Aug-20	12-Nov-20	Drive Phase 1 "PDA Non-Dependent" Production Piles - Pile Rig #1																															
DS250	Drive Phase 1 "PDA Dependent" Production Piles - Pile Rig #1			47	13-Nov-20	27-Jan-21	Drive Phase 1 "PDA Dependent" Production Piles - Pile Rig #1																															
DS100	No Site Pile Driving			103	02-Feb-21	30-Jun-21	No Site Pile Driving																															
DS405	Drive Phase 2 "PDA Dependent" Production Piles - Pile Rig #1			54	01-Jul-21	17-Sep-21	Drive Phase 2 "PDA Dependent" Production Piles - Pile Rig #1																															
Phase 1 - Pile Driving (Lower Elevation Piles)				10	11-Aug-20	24-Aug-20																																
Drive Phase 1 Production Piles - Crew # 1				10	11-Aug-20	24-Aug-20																																
DS470	Drive Tower Crane Piles - Crew #1			5	11-Aug-20	17-Aug-20	Drive Tower Crane Piles - Crew #1																															
DS480	Drive Recessed Drain Sump "Non-Dependent PDA" Piles w/follower bar (4 -Piles)			5	18-Aug-20	24-Aug-20	Drive Recessed Drain Sump "Non-Dependent PDA" Piles w/follower bar (4 -Piles)																															



Activity ID	Activity Name	OD	Start	Finish	2020														2021														2022					
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun		
Phase 2 - Pile Driving (Higher Elevation Piles)		354	04-Jan-21	09-Jun-22																																		
	Drive Phase 2 Production Piles - Crew # 1		354	04-Jan-21	09-Jun-22																																	
	DS410	Drive Phase 2 Indicator Piles, PDA Testing, Re-tapping, CAPWAP Report	20	04-Jan-21	01-Feb-21																																	
	Drive Phase 2 "PDA Dependent" Production Piles - Pile Rig #1- SEQUENCE		231	01-Jul-21	09-Jun-22																																	
	DS400	Drive Phase 2 "PDA Dependent" Production Piles - Area 51/64 Headworks/Odor	16	01-Jul-21	23-Jul-21																																	
	DS610	Drive Phase 2 "PDA Dependent" Production Piles - Area 56/70 MBR/Chem	20	26-Jul-21	20-Aug-21																																	
	DS620	Drive Phase 2 "PDA Dependent" Production Piles - Area 56 Electrical	7	23-Aug-21	31-Aug-21																																	
	DS630	Drive Yard Piping Piles - (15 Piles)	2	01-Sep-21	02-Sep-21																																	
	DS430	Drive Phase 2 "PDA Dependent" Production Piles - Area 80 Admin	9	07-Sep-21	17-Sep-21																																	
	Phase 2 work		177	20-Sep-21	09-Jun-22																																	
	DS370-U24	Install (Phase 2) Under slab piping and concrete encasement (GMP-3 scope)	27	20-Sep-21	26-Oct-21																																	
	DS360-R25	Install (Phase 2) Pile Rebar Hooks (and inspections)	15	06-Oct-21	26-Oct-21																																	
	DS370-C24	Install (Phase 2) Slab Concrete (GMP-3 scope)	150	27-Oct-21	09-Jun-22																																	







# D—GMP2 Estimate Summary



	GMP 2 - R2		LINE ITEM COMPENSATION STRUCTURE
A1. Direct Cost - 7 Work Categories (WC-0180, 0191, 0309, 3100, 3123, 3141, 3162)		13,569,201	Invoiced on a Percent Complete basis. All generated savings and unused funds are reimbursed back to the City upon completion.
A2. Direct Cost - 3 Work Categories (WC-0135, 0136, 0155)		274,685	Invoiced on a Time & Material Basis. Supporting backup will be provided.
<b>A - TOTAL DIRECT COSTS</b>		<b>13,843,886</b>	
B1. General Conditions	12.74%	1,763,723	Lump Sum - Invoicing prorated evenly over 6 months
C1. Payment & Performance Bond	0.84%	149,059	Lump Sum - Invoiced on the 1st Submitted Pay Application
C2. General Liability Insurance (PLPD)	0.29%	51,185	Lump Sum - Invoiced on the 1st Submitted Pay Application
C3. DIC (including limited earthquake)	0.17%	30,366	Lump Sum - Invoiced on the 1st Submitted Pay Application
<b>B&amp;C - TOTAL INDIRECT COSTS</b>		<b>1,994,333</b>	
<b>A, B &amp; C - SUBTOTAL DIRECT AND INDIRECT COSTS</b>		<b>15,838,219</b>	
D1. Construction Fee	8.00%	1,267,058	Fixed Fee - Percent Complete Invoicing
D2. CMAR Contingency	3.50%	484,536	Percent Complete Invoicing. Any used Contingency will include a CMAR Markup of 9.1% (Fee and Subcontractor Default Insurance). Unused Contingency funds are reimbursed back to the City upon completion.
D3. Direct Cost Allowances		0	Percent Complete Invoicing. Any used Direct Allowances will include a CMAR Markup of 9.1% (Fee and Subcontractor Default Insurance). Unused Direct Allowance funds are reimbursed back to the City upon completion.
D4. Indirect Cost Allowances (Per included GMP-2 Allowance Log)		126,237	Percent Complete Invoicing. Any used Indirect Allowances will include a CMAR Markup of 9.1% (Fee and Subcontractor Default Insurance). Unused Indirect Allowance funds are reimbursed back to the City upon completion.
<b>A, B, C, &amp; D - GMP 2 TOTAL (CMAR CONTRACT)</b>		<b>17,716,049</b>	
E. Owner's Contingency (Per Included GMP-2 Risk Matrix)	9.29%	1,645,000	Percent Complete Invoicing. Any released Owner Contingency will include a CMAR Markup of 10.5% (Fee, Insurances, Bond, and Subcontractor Default Insurance). Unused Indirect Allowance funds are reimbursed back to the City upon completion.
<b>E - TOTAL OWNER'S CONTINGENCIES</b>		<b>1,645,000</b>	
<b>A, B, C, D, &amp; E - TOTAL GMP 2 COST</b>		<b>19,361,049</b>	



Project Location: San Mateo, CA  
Estimate Completion Date: 3/3/2020  
Lead Estimator: Andre Castaneda  
Estimate Type: GMP



LINE ITEM DESCRIPTION	QTY	UNIT	MH/UNIT	TOTAL HOURS	TOTAL LABS/MH	UNIT COST LABOR	TOTAL LABOR	UNIT COST MATERIAL	TOTAL MATERIAL	UNIT COST EQUIPMENT	TOTAL EQUIPMENT	UNIT COST SUBCONTRACT	TOTAL SUBCONTRACT	UNIT COST TOTAL	TOTAL TOTAL
TOTAL PROJECT COST				9,000.00			1,247,711.33		4,229,479.65		80,739.60		13,897,966.05		19,361,050.22
CONTINGENCIES, ALLOWANCES & FEES	1	LS	0.00	0.00	0.00	0.00	0.00	3,522,831.00	3,522,831.00	0.00	0.00	0.00	0.00	3,522,831.00	3,522,831.00
CMAR CONTINGENCY	1	LS	0.00	0.00	0.00	0.00	0.00	484,536.00	484,536.00	0.00	0.00	0.00	0.00	484,536.00	484,536.00
OWNER CONTINGENCY	1	LS	0.00	0.00	0.00	0.00	0.00	1,645,000.00	1,645,000.00	0.00	0.00	0.00	0.00	1,645,000.00	1,645,000.00
ALLOWANCES	1	LS	0.00	0.00	0.00	0.00	0.00	126,237.00	126,237.00	0.00	0.00	0.00	0.00	126,237.00	126,237.00
CONSTRUCTION FEE	1	LS	0.00	0.00	0.00	0.00	0.00	1,267,058.00	1,267,058.00	0.00	0.00	0.00	0.00	1,267,058.00	1,267,058.00
INSURANCE & BONDS	1	LS	0.00	0.00	0.00	0.00	0.00	230,610.00	230,610.00	0.00	0.00	0.00	0.00	230,610.00	230,610.00
PLPD INSURANCE	1	LS	0.00	0.00	0.00	0.00	0.00	51,185.00	51,185.00	0.00	0.00	0.00	0.00	51,185.00	51,185.00
DIC INSURANCE (including limited Earthquake)	1	LS	0.00	0.00	0.00	0.00	0.00	30,366.00	30,366.00	0.00	0.00	0.00	0.00	30,366.00	30,366.00
PAYMENT & PERFORMANCE BOND	1	LS	0.00	0.00	0.00	0.00	0.00	149,059.00	149,059.00	0.00	0.00	0.00	0.00	149,059.00	149,059.00
GENERAL CONDITIONS & REQUIREMENTS	26	WK	346.16	9,000.00	260.91	47,989.08	1,247,711.33	21,037.37	476,038.65	3,105.38	80,739.60	2,079.99	54,079.84	74,266.02	1,763,723.01
A - GENERAL CONDITIONS	26	WK	312.31	8,120.00	140.62	43,917.83	1,141,859.10	3,323.81	86,418.81	2,785.38	72,419.60	0.00	0.00	50,027.02	1,300,697.51
CMAR CONSTRUCTION STAFF	26	WK	312.31	8,120.00	140.62	43,917.83	1,141,859.10	3,323.81	86,418.81	2,785.38	72,419.60	0.00	0.00	50,027.02	1,300,697.51
PROJECT EXECUTIVE / DIRECTOR	8	WK	40.00	320.00	202.67	8,106.93	64,855.44	154.28	1,234.24	479.60	3,836.80	0.00	0.00	8,740.81	69,926.48
SR PROJECT MANAGER	26	WK	40.00	1,040.00	187.08	7,483.32	194,566.32	154.28	4,011.28	479.60	12,469.60	0.00	0.00	8,117.20	211,047.20
CONSTRUCTION MANAGER	26	WK	40.00	1,040.00	190.79	7,631.77	198,426.01	154.28	4,011.28	479.60	12,469.60	0.00	0.00	8,265.65	214,906.89
PROJECT SUPER - PILE/CIVIL/YARD PIPE/CONC	13	WK	40.00	520.00	138.15	5,526.10	71,839.28	154.28	2,005.64	479.60	6,234.80	0.00	0.00	6,159.98	80,079.70
SR PROJECT ENGINEER - COST/CONTRACTS	26	WK	40.00	1,040.00	136.86	5,474.38	142,333.96	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,108.26	158,814.84
SR PROJECT ENGINEER - PILE/CIVIL/YARD PIPE/CONC	26	WK	40.00	1,040.00	136.86	5,474.38	142,333.96	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,108.26	158,814.84
FIELD ENGINEER	13	WK													
SR PROJECT SCHEDULER	26	WK	40.00	1,040.00	86.03	3,441.11	89,468.87	154.28	4,011.28	0.00	0.00	0.00	0.00	3,595.39	93,480.15
SR PROJECT ADMINISTRATOR	26	WK	40.00	1,040.00	139.23	5,569.29	144,801.63	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,203.17	161,282.51
RELOCATE PROJECT PERSONNEL	26	WK	40.00	1,040.00	89.65	3,585.91	93,233.65	131.24	3,412.24	0.00	0.00	0.00	0.00	3,717.15	96,645.89
TRAVEL EXP - PROJECT	1	EA	0.00	0.00	0.00	0.00	0.00	27,250.00	27,250.00	0.00	0.00	0.00	0.00	27,250.00	27,250.00
B - GENERAL REQUIREMENTS	26	WK	33.85	880.00	120.29	4,071.26	105,852.23	17,713.56	389,619.84	320.00	8,320.00	2,079.99	54,079.84	24,239.00	463,025.50
01 - GENERAL REQUIREMENTS	26	WK	33.85	880.00	120.29	4,071.26	105,852.23	17,713.56	389,619.84	320.00	8,320.00	2,079.99	54,079.84	24,239.00	463,025.50
FIELD OFFICES & FACILITIES	26	WK	0.00	0.00	0.00	0.00	0.00	9,336.17	102,346.10	0.00	0.00	0.00	0.00	9,336.17	102,346.10
FIELD OFFICE TRAILERS - MONTHLY RENTAL	6	MO	0.00	0.00	0.00	0.00	0.00	4,033.00	24,198.00	0.00	0.00	0.00	0.00	4,033.00	24,198.00
FIELD OFFICE FURNIEQUIP	4	EA	0.00	0.00	0.00	0.00	0.00	1,526.00	6,104.00	0.00	0.00	0.00	0.00	1,526.00	6,104.00
COPY MACHINES (2)	52	WK	0.00	0.00	0.00	0.00	0.00	436.00	22,672.00	0.00	0.00	0.00	0.00	436.00	22,672.00
OFFICE SUPPLIES	26	WK	0.00	0.00	0.00	0.00	0.00	272.50	7,085.00	0.00	0.00	0.00	0.00	272.50	7,085.00
POSTAGE, UPS, FED EX	26	WK	0.00	0.00	0.00	0.00	0.00	38.15	991.90	0.00	0.00	0.00	0.00	38.15	991.90
OWNER OFFICE TRAILERS - MONTHLY RENTAL	6	MO	0.00	0.00	0.00	0.00	0.00	2,539.70	15,238.20	0.00	0.00	0.00	0.00	2,539.70	15,238.20
DRINKING WATER	26	WK	0.00	0.00	0.00	0.00	0.00	272.50	7,085.00	0.00	0.00	0.00	0.00	272.50	7,085.00
JANITOR SERVICES	6	MO	0.00	0.00	0.00	0.00	0.00	3,161.00	18,966.00	0.00	0.00	0.00	0.00	3,161.00	18,966.00
TABLETS	26	AR													
UTILITIES	26	WK	0.00	0.00	0.00	0.00	0.00	1,496.20	38,901.01	0.00	0.00	0.00	0.00	1,496.20	38,901.01
CHEMICAL TOILETS	6	MO	0.00	0.00	0.00	0.00	0.00	3,050.00	18,300.01	0.00	0.00	0.00	0.00	3,050.00	18,300.01
TELEPHONE	6	MO	0.00	0.00	0.00	0.00	0.00	1,090.00	6,540.00	0.00	0.00	0.00	0.00	1,090.00	6,540.00
WIRELESS INTERNET/NETWORK SERVICE	6	MO	0.00	0.00	0.00	0.00	0.00	1,853.00	11,118.00	0.00	0.00	0.00	0.00	1,853.00	11,118.00
ALARM SYSTEM	6	MO	0.00	0.00	0.00	0.00	0.00	490.50	2,943.00	0.00	0.00	0.00	0.00	490.50	2,943.00
CONSTRUCTION SUPPORT	26	WK	0.00	0.00	0.00	0.00	0.00	2,103.04	54,678.76	0.00	0.00	2,079.99	54,079.84	12,101.45	108,758.60
SITE SECURITY PERSONNEL	26	WK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,079.99	54,079.84	2,079.99	54,079.84
SITE SECURITY EQUIPMENT	1	LS	0.00	0.00	0.00	0.00	0.00	7,630.00	7,630.00	0.00	0.00	0.00	0.00	7,630.00	7,630.00
DUMPSTERS; DUMP FEES	26	WK	0.00	0.00	0.00	0.00	0.00	1,635.00	42,510.00	0.00	0.00	0.00	0.00	1,635.00	42,510.00
CRAFT LUNCH TENT/ MAINTENANCE	6	MO	0.00	0.00	0.00	0.00	0.00	756.46	4,538.76	0.00	0.00	0.00	0.00	756.46	4,538.76
MISC GENERAL REQUIREMENTS	26	WK	0.00	0.00	0.00	0.00	0.00	1,456.94	37,880.20	0.00	0.00	0.00	0.00	1,456.94	37,880.20
VIDEO SURVEILLANCE	6	MO	0.00	0.00	0.00	0.00	0.00	4,338.20	26,029.20	0.00	0.00	0.00	0.00	4,338.20	26,029.20
PROJECT DOCUMENTS/PRINTING	26	WK	0.00	0.00	0.00	0.00	0.00	163.50	4,251.00	0.00	0.00	0.00	0.00	163.50	4,251.00
COMMUNITY OUTREACH	13	WK	0.00	0.00	0.00	0.00	0.00	584.62	7,600.00	0.00	0.00	0.00	0.00	584.62	7,600.00
SAFETY	26	WK	33.85	880.00	122.71	4,153.41	107,988.57	1,837.97	47,787.14	0.00	0.00	0.00	0.00	5,991.37	155,775.71
PROJECT SAFETY MANAGER	22	WK	40.00	880.00	122.71	4,908.57	107,988.57	154.28	3,394.16	0.00	0.00	0.00	0.00	5,062.85	111,382.73
FIRST AID KITS, SUPPLIES	26	WK	0.00	0.00	0.00	0.00	0.00	163.50	4,251.00	0.00	0.00	0.00	0.00	163.50	4,251.00
SAFETY ITEMS - WAREHOUSE	1	LS	0.00	0.00	0.00	0.00	0.00	10,743.04	10,743.04	0.00	0.00	0.00	0.00	10,743.04	10,743.04
FIRE EXTINGUISHERS	5	EA	0.00	0.00	0.00	0.00	0.00	402.21	2,180.00	0.00	0.00	0.00	0.00	402.21	2,180.00
SAFETY BARRICADES	26	WK	0.00	0.00	0.00	0.00	0.00	436.00	11,336.00	0.00	0.00	0.00	0.00	436.00	11,336.00
TEMPORARY FENCE	350	LF	0.00	0.00	0.00	0.00	0.00	31.10	10,886.38	0.00	0.00	0.00	0.00	31.10	10,886.38
SAFETY INCENTIVE	6	MO	0.00	0.00	0.00	0.00	0.00	832.76	4,996.56	0.00	0.00	0.00	0.00	832.76	4,996.56
TOOLS AND EQUIPMENT	26	WK	0.00	0.00	0.00	0.00	0.00	425.00	11,049.88	320.00	8,320.00	0.00	0.00	745.00	19,369.88
LIGHT PLANT	26	WK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320.00	8,320.00	0.00	0.00	320.00	8,320.00
SMALL TOOLS	1	LS	0.00	0.00	0.00	0.00	0.00	5,000.38	5,000.38	0.00	0.00	0.00	0.00	5,000.38	5,000.38
CONSUMABLES	1	LS	0.00	0.00	0.00	0.00	0.00	5,057.60	5,057.60	0.00	0.00	0.00	0.00	5,057.60	5,057.60
FUEL/MAINTENANCE FOR ON-SITE EQUIPMENT	26	WK	0.00	0.00	0.00	0.00	0.00	38.15	991.90	0.00	0.00	0.00	0.00	38.15	991.90
DIRECTS	1	LS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,843,886.21	13,843,886.21	13,843,886.21
C - SITE WORK, CONCRETE, TOWER CRANE & PILES	1	LS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,843,886.21	13,843,886.21	13,843,886.21
01 - SITEWORK	1	LS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	841,317.74	841,317.74	841,317.74
WC-0135 - DUST CONTROL & STREET SWEEPING	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,091.46	180,548.78	180,548.78
DUST CONTROL & STREET SWEEPING	26	WK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,944.18	180,548.78	180,548.78
WC-0136 - SWPPP	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,194.33	61,166.00	61,166.00
SWPPP INSTALL & MAINTENANCE, QSP SERVICES	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,194.33	61,166.00	61,166.00
WC-0155 - TRAFFIC CONTROL	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,494.96	32,969.73	32,969.73
TRAFFIC CONTROL	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,494.96	32,969.73	32,969.73
WC-0180 - SURVEY	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,693.38	76,160.26	76,160.26
SURVEYING	6	MO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,693.38	76,160.26	76



# San Mateo Waste Water Treatment Plant



GMP-2 Allowances		
Item No.	Description of Allowance Item	Allowance Amount
	<b>DIRECT COST ALLOWANCES</b>	
	<b>SUBTOTAL</b>	\$ -
	<b>INDIRECT COST ALLOWANCES</b>	
1	Electrical Consumption - PG&E	\$ 52,320
2	Water Consumption - Foster City	\$ 33,763
3	Storm Damage/Cleanup	\$ 18,725
4	Permits, Licenses & Fees	\$ 10,900
	<b>SUBTOTAL</b>	\$ 115,708
	<b>CONSTRUCTION FEE (applied if allowance is used)</b>	
5	Construction Fee & SDI (9.1%)	\$ 10,529
	<b>SUBTOTAL</b>	\$ 10,529
<b>GMP-2 ALLOWANCES CARRIED</b>		<b>\$ 126,237</b>



A large, blue industrial valve and pipe assembly is the central focus of the image. The valve is mounted on a concrete base and has a red handwheel. A yellow pipe with the text "SOD HYPO" is connected to the side of the valve. The background shows a clear blue sky with some clouds. The image is framed by red diagonal borders in the top-left and bottom-right corners.

# E—GMP2 General Conditions



GMP-2 ESTIMATE - INDIRECT COST DETAIL

Project Location: San Mateo, CA  
Estimate Completion Date: 3/3/2020  
Lead Estimator: Andre Castaneda  
Estimate Type: GMP



LINE ITEM DESCRIPTION	QTY	UNIT	MH/UNIT	TOTAL HOURS	TOTAL LABS/MH	UNIT COST LABOR	TOTAL LABOR	UNIT COST MATERIAL	TOTAL MATERIAL	UNIT COST EQUIPMENT	TOTAL EQUIPMENT	UNIT COST SUBCONTRACT	TOTAL SUBCONTRACT	UNIT COST TOTAL	TOTAL COST
TOTAL INDIRECT COSTS	26	WK		9,000.00	260.91		1,247,711.33		476,038.65		80,739.60	2,079.99	54,079.84		1,763,723.01
A - GENERAL CONDITIONS	26	WK	312.31	8,120.00	140.62	43,917.83	1,141,859.10	3,323.81	86,418.81	2,785.38	72,419.60	0.00	0.00	50,027.02	1,300,697.51
CMAR CONSTRUCTION STAFF	26	WK	312.31	8,120.00	140.62	43,917.83	1,141,859.10	3,323.81	86,418.81	2,785.38	72,419.60	0.00	0.00	50,027.02	1,300,697.51
PROJECT EXECUTIVE / DIRECTOR	8	WK	40.00	320.00	202.67	8,106.93	64,855.44	154.28	1,234.24	479.60	3,836.80	0.00	0.00	8,740.81	69,926.48
SR PROJECT MANAGER	26	WK	40.00	1,040.00	187.08	7,483.32	194,566.32	154.28	4,011.28	479.60	12,469.60	0.00	0.00	8,117.20	211,047.20
CONSTRUCTION MANAGER	26	WK	40.00	1,040.00	190.79	7,631.77	198,426.01	154.28	4,011.28	479.60	12,469.60	0.00	0.00	8,265.65	214,906.89
PROJECT SUPER - PILE/CIVILYARD PIPE/CONC	13	WK	40.00	520.00	138.15	5,526.10	71,839.26	154.28	2,005.64	479.60	6,234.80	0.00	0.00	6,159.98	80,079.70
SR PROJECT ENGINEER - COST/CONTRACTS	26	WK	40.00	1,040.00	136.86	5,474.38	142,333.96	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,108.26	158,814.84
SR PROJECT ENGINEER - PILE/CIVILYARD PIPE/CONC	26	WK	40.00	1,040.00	136.86	5,474.38	142,333.96	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,108.26	158,814.84
FIELD ENGINEER	13	WK													
SR PROJECT SCHEDULER	26	WK	40.00	1,040.00	86.03	3,441.11	89,468.87	154.28	4,011.28	0.00	0.00	0.00	0.00	3,595.39	93,480.15
SR PROJECT ADMINISTRATOR	26	WK	40.00	1,040.00	139.23	5,569.29	144,801.63	154.28	4,011.28	479.60	12,469.60	0.00	0.00	6,203.17	161,282.51
RELOCATE PROJECT PERSONNEL	26	WK	40.00	1,040.00	89.65	3,585.91	93,233.65	131.24	3,412.24	0.00	0.00	0.00	0.00	3,717.15	96,645.89
TRAVEL EXP - PROJECT	1	EA	0.00	0.00	0.00	0.00	0.00	27,250.00	27,250.00	0.00	0.00	0.00	0.00	27,250.00	27,250.00
B - GENERAL REQUIREMENTS	26	WK	33.85	880.00	120.29	4,071.26	105,852.23	17,713.56	389,619.84	320.00	8,320.00	2,079.99	54,079.84	24,239.00	463,025.50
01 - GENERAL REQUIREMENTS	26	WK	33.85	880.00	120.29	4,071.26	105,852.23	17,713.56	389,619.84	320.00	8,320.00	2,079.99	54,079.84	24,239.00	463,025.50
FIELD OFFICES & FACILITIES	26	WK	0.00	0.00	0.00	0.00	0.00	3,936.17	102,340.10	0.00	0.00	0.00	0.00	3,936.17	102,340.10
FIELD OFFICE TRAILERS - MONTHLY RENTAL	6	MO	0.00	0.00	0.00	0.00	0.00	4,033.00	24,198.00	0.00	0.00	0.00	0.00	4,033.00	24,198.00
FIELD OFFICE FURN/EQUIP	4	EA	0.00	0.00	0.00	0.00	0.00	1,526.00	6,104.00	0.00	0.00	0.00	0.00	1,526.00	6,104.00
COPY MACHINES (2)	52	WK	0.00	0.00	0.00	0.00	0.00	436.00	22,672.00	0.00	0.00	0.00	0.00	436.00	22,672.00
OFFICE SUPPLIES	26	WK	0.00	0.00	0.00	0.00	0.00	272.50	7,085.00	0.00	0.00	0.00	0.00	272.50	7,085.00
POSTAGE, UPS, FED EX	26	WK	0.00	0.00	0.00	0.00	0.00	38.15	991.90	0.00	0.00	0.00	0.00	38.15	991.90
OWNER OFFICE TRAILERS - MONTHLY RENTAL	6	MO	0.00	0.00	0.00	0.00	0.00	2,539.70	15,238.20	0.00	0.00	0.00	0.00	2,539.70	15,238.20
DRINKING WATER	26	WK	0.00	0.00	0.00	0.00	0.00	272.50	7,085.00	0.00	0.00	0.00	0.00	272.50	7,085.00
JANITOR SERVICES	6	MO	0.00	0.00	0.00	0.00	0.00	3,161.00	18,966.00	0.00	0.00	0.00	0.00	3,161.00	18,966.00
TABLETS	26	AR													
UTILITIES	26	WK	0.00	0.00	0.00	0.00	0.00	1,496.20	38,901.01	0.00	0.00	0.00	0.00	1,496.20	38,901.01
CHEMICAL TOILETS	6	MO	0.00	0.00	0.00	0.00	0.00	3,050.00	18,300.01	0.00	0.00	0.00	0.00	3,050.00	18,300.01
TELEPHONE	6	MO	0.00	0.00	0.00	0.00	0.00	1,090.00	6,540.00	0.00	0.00	0.00	0.00	1,090.00	6,540.00
WIRELESS INTERNET/NETWORK SERVICE	6	MO	0.00	0.00	0.00	0.00	0.00	1,853.00	11,118.00	0.00	0.00	0.00	0.00	1,853.00	11,118.00
ALARM SYSTEM	6	MO	0.00	0.00	0.00	0.00	0.00	490.50	2,943.00	0.00	0.00	0.00	0.00	490.50	2,943.00
CONSTRUCTION SUPPORT	26	WK	0.00	0.00	0.00	0.00	0.00	2,103.04	54,678.76	0.00	0.00	2,079.99	54,079.84	12,101.45	108,758.60
SITE SECURITY PERSONNEL	26	WK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,079.99	54,079.84	2,079.99	54,079.84
SITE SECURITY EQUIPMENT	1	LS	0.00	0.00	0.00	0.00	0.00	7,630.00	7,630.00	0.00	0.00	0.00	0.00	7,630.00	7,630.00
DUMPSTERS; DUMP FEES	26	WK	0.00	0.00	0.00	0.00	0.00	1,635.00	42,510.00	0.00	0.00	0.00	0.00	1,635.00	42,510.00
CRAFT LUNCH TENT/ MAINTENANCE	6	MO	0.00	0.00	0.00	0.00	0.00	756.46	4,538.76	0.00	0.00	0.00	0.00	756.46	4,538.76
MISC GENERAL REQUIREMENTS	26	WK	0.00	0.00	0.00	0.00	0.00	1,456.94	37,880.20	0.00	0.00	0.00	0.00	1,456.94	37,880.20
VIDEO SURVEILLANCE	6	MO	0.00	0.00	0.00	0.00	0.00	4,338.20	26,029.20	0.00	0.00	0.00	0.00	4,338.20	26,029.20
PROJECT DOCUMENTS/PRINTING	26	WK	0.00	0.00	0.00	0.00	0.00	163.50	4,251.00	0.00	0.00	0.00	0.00	163.50	4,251.00
COMMUNITY OUTREACH	13	WK	0.00	0.00	0.00	0.00	0.00	584.62	7,600.00	0.00	0.00	0.00	0.00	584.62	7,600.00
SAFETY	26	WK	33.85	880.00	122.71	4,153.41	107,988.57	1,837.97	47,787.14	0.00	0.00	0.00	0.00	5,991.37	155,775.71
PROJECT SAFETY MANAGER	22	WK	40.00	880.00	122.71	4,908.57	107,988.57	154.28	3,394.16	0.00	0.00	0.00	0.00	5,062.85	111,382.73
FIRST AID KITS, SUPPLIES	26	WK	0.00	0.00	0.00	0.00	0.00	163.50	4,251.00	0.00	0.00	0.00	0.00	163.50	4,251.00
SAFETY ITEMS - WAREHOUSE	1	LS	0.00	0.00	0.00	0.00	0.00	10,743.04	10,743.04	0.00	0.00	0.00	0.00	10,743.04	10,743.04
FIRE EXTINGUISHERS	5	EA	0.00	0.00	0.00	0.00	0.00	402.21	2,180.00	0.00	0.00	0.00	0.00	402.21	2,180.00
SAFETY BARRICADES	26	WK	0.00	0.00	0.00	0.00	0.00	436.00	11,336.00	0.00	0.00	0.00	0.00	436.00	11,336.00
TEMPORARY FENCE	350	LF	0.00	0.00	0.00	0.00	0.00	31.10	10,886.38	0.00	0.00	0.00	0.00	31.10	10,886.38
SAFETY INCENTIVE	6	MO	0.00	0.00	0.00	0.00	0.00	832.76	4,996.56	0.00	0.00	0.00	0.00	832.76	4,996.56
TOOLS AND EQUIPMENT	26	WK	0.00	0.00	0.00	0.00	0.00	425.00	11,049.88	320.00	8,320.00	0.00	0.00	745.00	19,369.88
LIGHT PLANT	26	WK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320.00	8,320.00	0.00	0.00	320.00	8,320.00
SMALL TOOLS	1	LS	0.00	0.00	0.00	0.00	0.00	5,000.38	5,000.38	0.00	0.00	0.00	0.00	5,000.38	5,000.38
CONSUMABLES	1	LS	0.00	0.00	0.00	0.00	0.00	5,057.60	5,057.60	0.00	0.00	0.00	0.00	5,057.60	5,057.60
FUEL/MAINTENANCE FOR ON-SITE EQUIPMENT	26	WK	0.00	0.00	0.00	0.00	0.00	38.15	991.90	0.00	0.00	0.00	0.00	38.15	991.90





# F—GMP2 Direct Cost Detail by Work Category



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0135 - Dust Control & Street Sweeping - R1**



<b>Companies:</b>	<b>Evans Brothers, Inc.</b>
Contact Name:	
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	178,761.17

#### General Information

Questions	Response
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0135 - Dust Control & Street Sweeping - R1**



<b>Companies:</b>	<b>Evans Brothers, Inc.</b>
Contact Name:	
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>178,761.17</b>
1.1 - By signature below, Bidder acknowledges that it has read Sundt's Attachment 1 Sample Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to disqualification.	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0135 - Dust Control & Street Sweeping - R1**



<b>Companies:</b>	<b>Evans Brothers, Inc.</b>
Contact Name:	
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>178,761.17</b>
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0135 - Dust Control & Street Sweeping - R1**



<b>Companies:</b>		<b>Evans Brothers, Inc.</b>
Contact Name:		
Phone:		
Qualification:		
Last Response Date:		2/25/2020
Subcontractor Quote:		<b>178,761.17</b>
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.		
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.		
<b>Code Scope</b>		
Service Provider will ensure all personnel are experienced and qualified to complete the Work. Service Provider will also ensure that all employees are legally able to work on the Project Site. Service Provider shall supplement construction labor immediately if the Work falls behind the agreed upon schedule at Service Provider's expense.		
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.		
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.		
Service Provider will adhere to all requirements of Sundt's site specific and standard safety policies without exception.		
Service Provider's construction equipment shall be properly sized to safely and efficiently handle the intended work activities. Service Provider equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.		
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Service Provider shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.		
Service Provider will participate in Sundt Construction scheduling meetings including all required Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Service Provider shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.		
extent possible, "local" labor. Upon award, the selected Service Provider for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.		
Project Specific - The City of San Mateo is implementing a Project Labor Agreement (PLA) on the project. All costs will need to be included for the implementation of this PLA in the subcontractor's bid price.		



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0135 - Dust Control & Street Sweeping - R1**



<b>Companies:</b>	<b>Evans Brothers, Inc.</b>
-------------------	-----------------------------

Contact Name:	
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>178,761.17</b>

Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Service Provider will adhere to all requirements of the California Department of Industrial Relations. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	
WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here: <a href="https://www.epa.gov/wifia/wifia-resources#handbook">https://www.epa.gov/wifia/wifia-resources#handbook</a>	
Mobilization and site set-up, including but not limited to labor and equipment deployment.	
Develop a submittal plan for a 1x per day dust control and street sweep operation for the duration of the project.	
Operate and manage street sweep and dust control operation per submitted plan for the duration of the project.	
Create and maintain a daily activity log for the street sweep and dust control operation for the duration of the project.	
Maintain own water source (water wagon/water tank) for the street sweep and dust control operation for the duration of the project.	
Demobilization and site close-out: Remove any equipment and related site support water source.	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract and section 10 of the Sundt standard contract, based on the Substantial Complete date set at \$5,000 per day. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Unit Price	\$ Total
Cost Per Trip (Based on 7.5 Hour Trip) - Street Sweeping Standard @ \$1,426 / Day. Water Truck Cost per Day -\$1,217/Day		EA	130	\$540.00	160,886.84
Taxes		LS	1	\$17,874.33	17,874.33





February 27, 2020

Andre Castaneda  
Sundt  
2620 S. 55<sup>th</sup> Street  
Tempe, AZ 85282

Andre,

Per our phone conversation, the following would be Unit Pricing to complete the below listed scopes.

Daily Rate for 2-man Labor Crew W/Pickup Truck = \$1,217.00/Day  
Daily Rate for 2000-Gal Water Truck Operated by one of our laborers = \$1,099.00  
Supply 6" Fiber Roll = \$36.00/25'  
Wood Stakes for Fiber Roll/50 Ct bundle/ = \$68.00  
Prefilled Sandbags = \$5.50 EA  
SDDI Liner = \$125.00/EA  
Street Sweeping = \$1,426.00/Day plus travel time. Travel time is usually invoiced at 1.5 hours at the hourly rate of 178.25/hr.

Please let me know if you need something else

Thank-you

A handwritten signature in black ink, appearing to read "Kelvin Love", written over a horizontal line.

Kelvin Love  
Estimator/Project Manager  
Evans Brothers, Inc.



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0136 - SWPPP - R1**



<b>Companies:</b>	
Contact Name:	Peter Thorne
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	\$ 60,560.40

**General Information**

<b>Questions</b>	<b>Response</b>
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0136 - SWPPP - R1**



<b>Companies:</b>	<b>HydroCompliance</b>
Contact Name:	Peter Thorne
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	\$ 60,560.40
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	
1.1 - By signature below, Bidder acknowledges that it has read Sundt's Attachment 1 Sample Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0136 - SWPPP - R1**



<b>Companies:</b>	<b>HydroCompliance</b>
Contact Name:	Peter Thorne
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	\$ 60,560.40
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	
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2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0136 - SWPPP - R1**



<b>Companies:</b>	<b>HydroCompliance</b>
Contact Name:	Peter Thorne
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	\$ 60,560.40
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	
<b>Code Scope</b>	
Service Provider will ensure all personnel are experienced and qualified to complete the Work. Service Provider will also ensure that all employees are legally able to work on the Project Site. Service Provider shall supplement construction labor immediately if the Work falls behind the agreed upon schedule at Service Provider's expense.	Yes
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	Yes
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	Yes
Service Provider will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	Yes



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0136 - SWPPP - R1**



<b>Companies:</b>		<b>HydroCompliance</b>
Contact Name:	Peter Thorne	
Phone:		
Qualification:		
Last Response Date:	12/13/2019	
Subcontractor Quote:	\$ 60,560.40	
Service Provider's construction equipment shall be properly sized to safely and efficiently handle the intended work activities. Service Provider equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	Yes	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Service Provider shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.	Yes	
Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Service Provider shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.	Yes	
greatest extent possible, "local" labor. Upon award, the selected Service Provider for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	Yes	
Project Specific - The City of San Mateo is considering implementation of a Project Labor Agreement (PLA) on the project. Should the City of San Mateo decide to implement the PLA, Service Provider will be allowed to review PLA terms and provide any cost adjustments needed.	Yes	
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Service Provider will adhere to all requirements of the California Department of Industrial Relations. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	Yes	
Project Specific - This project is pursuing WIFIA funding. Subcontractor will review and include applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here:	Yes	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes	

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Total	\$ Total
SWPPP Maintenance of BMP's		EA	18	\$ 1,820.00	\$ 32,760.00
Replace Materials During Construction as needed		EA	18	\$ 200.00	\$ 3,600.00
Inspections (2x Per Month)		EA	12	\$ 1,600.00	\$ 19,200.00
Taxes		LS	1	\$ 5,000.40	\$ 5,000.40





24 February 2020

Douglas Lenz – (480) 293-3004  
Sundt Construction, Inc.  
2620 S 55<sup>th</sup> Street  
Tempe, AZ 85282

**PROPOSAL: San Mateo WWTP GMP 1, 2, and 3 - QSP Services**

Thank you for considering HydroCompliance (HC), for your storm water compliance needs for the San Mateo WWTP project in San Mateo, California. HC personnel include a Registered Civil Engineer, Construction and Industrial General Permit Qualified Trainers of Record, Certified Professionals in Erosion and Sediment Control, and Certified Erosion, Sediment, and Storm Water Inspectors that are State Certified, Qualified SWPPP Developers (QSD), Qualified SWPPP Practitioners (QSP), and Qualified Industrial Stormwater Practitioners (QISP).

HydroCompliance offers the following services:

- 1. HydroCompliance proposes to provide QSP services to include Quarterly Non-Stormwater Inspections, Weekly Inspections, Weather Monitoring, Rain Event Action Plans (REAPs), Pre-storm Inspections, Inspections each 24 hours during extended storm events, Post Storm Inspections, Sampling and Data Assembly with upload to SMARTS, Annual Reports, Notice of Termination, 5 hours per year of professional representation should the need arise (meeting with the RWQCB, contractor training, etc.), SWPPP Amendments, and Changes of Information as required for Risk Level 2 projects having coverage under ***“Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities”*** (CGP) at an all-inclusive monthly rate. A brief meeting will occur during each inspection should the superintendent be available, and inspection reports will be emailed to the superintendent for printing and inclusion in the SWPPP Inspection Binder.

HydroCompliance is responsible for inspection and reporting, and will not be held responsible should the Owner, Contractor, or its chosen subcontractors not implement corrective actions or address concerns supplied in the reports prepared by HydroCompliance. This proposal assumes typical Monday thru Friday workdays and hours and that no work will occur on Federal Holidays. Saturday, Sunday, and Federal Holiday inspections will be completed at an additional \$300 each. If occasional night work is anticipated, and if HC is required to inspect, each night inspection will incur an additional fee of \$450. If failure to implement corrective actions or address documented concerns leads to a Numeric Action Level (NAL) Exceedance, the project will be charged \$200 to prepare an NAL Exceedance Evaluation Report.

Please note that the Construction General Permit is well past due for a new release. At the time of such release, the rates contained within this proposal may be modified depending on any reduction or increase in inspection and monitoring requirements based on the newly released CGP.

SCOPE OF WORK	
Task 1 Risk Level 2 – Monthly QSP Services w/Sampling .....	\$1,600 / month

HC will provide any additional services within their ability according to HC’s current Schedule of Rates and Charges.

The following are specifically excluded: State, Federal, and local fees and fines; BMP installation; local agency requirements; sample collection, transport, and analysis other than pH and turbidity; sediment basin design (if required); and ATS design and operation.

We are looking forward to working with you!

Sincerely,

Peter K. Thorne, President

Accepted



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



Companies:	
Contact Name:	
Phone:	(415) 206-1700
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>\$32,643.32</b>

**General Information**

Questions	Response
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



<b>Companies:</b>	<b>CMC TRAFFIC CONTROL SPECIALISTS</b>
-------------------	--

Contact Name:

Phone:

(415) 206-1700

Qualification:

Last Response Date:

12/13/2019

Subcontractor Quote:

**\$32,643.32**

2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	
1.1 - By signature below, Bidder acknowledges that it has read Sundt's Attachment 1 Sample Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



<b>Companies:</b>	<b>CMC TRAFFIC CONTROL SPECIALISTS</b>
-------------------	--

Contact Name:  
Phone: (415) 206-1700  
Qualification:  
Last Response Date: 12/13/2019  
Subcontractor Quote: **\$32,643.32**

4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



<b>Companies:</b>	<b>CMC TRAFFIC CONTROL SPECIALISTS</b>
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Contact Name:  
Phone: (415) 206-1700  
Qualification:  
Last Response Date: 12/13/2019  
Subcontractor Quote: **\$32,643.32**

2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	

**Code Scope**

Subcontractor will ensure all personnel are experienced and qualified to complete the Work. Subcontractor will also ensure that all employees are legally able to work on the Project Site. Subcontractor shall supplement construction labor immediately if the Work falls behind the agreed upon schedule at Subcontractor's expense.	
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	
Subcontractor will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



<b>Companies:</b>	<b>CMC TRAFFIC CONTROL SPECIALISTS</b>
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Contact Name:  
Phone: (415) 206-1700  
Qualification:  
Last Response Date: 12/13/2019  
Subcontractor Quote: **\$32,643.32**

intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Subcontractor shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.	
Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Subcontractor shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.	
pertains to their Work. Project specific SWPPP requires Best Management Practices (BMPs) to be in place prior to any excavation. BMP coordination is the responsibility of the Subcontractor. Subcontractor shall protect all SWPPP BMP installations from damage and repair any damage to BMPs caused by Subcontractor's actions.	
Cleanup of work area to be completed daily. Subcontractor is required to maintain a neat and orderly work area free of debris.	
similar to the WBS as shown on the bid breakdown. Scope progress and payment progress will be based on rules of credit developed in conjunction with Sundt upon award of contract. Upon award Subcontractor will provide adequate cost breakdown as required to fill out progress tracking reports.	
greatest extent possible, "local" labor. Upon award, the selected Subcontractor for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	
Project Specific - 4.8The City of San Mateo is implementing a Project Labor Agreement (PLA) on the project. All costs will need to be included for the implementation of this PLA in the subcontractor's bid price.	
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Subcontractor will adhere to all requirements of the California Department of Industrial Relations. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	
Project Specific - This project is pursuing WIFIA funding. Subcontractor will review and include applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project i	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0155 - CMAR Traffic Control - R1**



Companies:	
Contact Name:	
Phone:	(415) 206-1700
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>\$32,643.32</b>

Project Specific - Traffic control plan	
Project Specific - Traffic control crew and signage mobilization	
Project Specific - Operate and manage proposed traffic control plan (daily rate)	
Project Specific - Furnish and install an integrated traffic signal system to manage traffic flow on the one lane access road that connects the off-site construction trailer yard to the new site. Electrical subcontractor will provide all conduits and wiring to provide power and control to and between the units.	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Unit Price	\$ Total
Traffic Control Plan Revisions		HR	1	\$6,000.00	\$6,000.00
Type 3 Barricades		MO	48	\$160.00	\$7,680.00
Street Closed Signs		MO	48	\$21.00	\$1,008.00
Installation of Signs		HR	100	\$80.00	\$8,000.00
Installation Truck		HR	40	\$40.00	\$1,600.00
Portable Flashing Beacons		MO	12	\$180.00	\$2,160.00
Additional Traffic Control (Cones)		LS	1	\$3,500.00	3,500.00
Taxes		LS	1	\$2,695.32	2,695.32





## CMC Traffic Control Specialists, Inc.

3450 3<sup>rd</sup> St, Suite 3G  
San Francisco, CA 94124  
Phone: (415) 206-1700  
Fax: (415) 206-1711  
info@cmctrffic.com  
[www.cmctrffic.com](http://www.cmctrffic.com)

CSLB License No. 792059 (A,C31,C32)  
SF Business Tax Reg. No. 356339  
SF Vendor No. 68165  
FEIN No. 01-0620791  
DIR Registration No. 1000006503

WBE/DBE/SBE  
LBE Certified (A License)  
SFCMD Cert No. 021713710  
CUCP Firm ID No. 33473  
CA DGS ID No. 61410

To: Sundt Construction, Inc. (attn Daniel) From: Kevin Rosencutter [Kevin@CMCTraffic.com](mailto:Kevin@CMCTraffic.com)

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Phone: Pages: 3

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Fax: [dsphillips@sundt.com](mailto:dsphillips@sundt.com) Date: 2/25/2020 2:27 PM

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Re: 2019-256 - San Mateo WWTP Nutrient - Sundt CC:

---

☐Urgent ☒For Review ☐Please Comment ☐Please Reply ☐Please Recycle



# CMC



## Traffic Control Specialists

3450 3<sup>rd</sup> St. Suite 3G, San Francisco, CA. 94124

Contractor Lic. 792059

SBE/LBE/WBE/UDBE/Micro Business Certified

**(415) 206-1700 – Fax (415) 206-1711**

**[www.cmctrffic.com](http://www.cmctrffic.com) [info@cmctrffic.com](mailto:info@cmctrffic.com)**

**ALL YOUR TRAFFIC CONTROL NEEDS**  
**RENTAL–SALES–ENGINEERING–CONTRACTING**

TRAFFIC PLANS  
TRAFFIC COUNTS  
PERMITS  
SIGN SHOP  
STRIPING  
LANE CLOSURES  
HIGHWAY CLOSURES

PILOT CARS  
K-RAIL/CRASH  
CUSHIONS  
TC SUPERVISORS  
FLAGGERS  
WATER WALL  
BARRIERS

TRAFFIC CONES  
SUPPLIES/SALES  
TEMPORARY  
SIGNALS  
LIGHT TOWERS  
CHANGEABLE  
MESSAGE BOARDS



**Lane Closure Daily Rate on Conventional Road (per Caltrans drawing T11)** **\$900 / DAY**

- Includes a 1 man crew with a pickup truck and up to 50 cones, 6 vinyl signs with stands, and arrow board
- Rates include a shift of 8 hours ST. ½ day minimum charge. Full shift charge after 4 hours.
- Add \$50 per 8 hour shift for night work labor premium and \$20 per portable flashing beacon
- Hourly rates: OT day \$135 / OT night \$142.50 / DT day \$160 / DT night \$170
- Mobilization and subsistence charges may apply based on scope of work, location, and schedule

**Lane Closure Daily Rate for Freeways (per Caltrans drawing T10)** **\$1550 / DAY**

- Includes a 2 man crew with a pickup truck, up to 100 cones, 8 vinyl signs with stands, and arrow board.
- Rates include a shift of 8 hours ST. ½ day minimum charge. Full shift charge after 4 hours.
- Add \$100 per 8 hour shift for night work labor premium and \$20 per portable flashing beacon.
- Hourly rates: OT day \$245 / OT night \$260 / DT day \$300 / DT night \$310
- Add \$1300 per 8 hr shift to include an operated attenuator truck (\$1350 for night work). Hourly rates: OT day \$187.50 / OT night \$195 / DT day \$212.50 / DT night \$222.50. Mobilization & idle time charges may apply.
- Additional charges apply for closure of additional lanes.
- Mobilization and subsistence charges may apply based on scope of work, location, and schedule

**Lane Closure with Reversible Lane (per Caltrans drawing T13)** **\$1550 / DAY**

- Includes a 2 man crew with a pickup truck, up to 50 cones, 10 vinyl signs with stands, and 2 beacons.
- Rates include a shift of 8 hours ST. ½ day minimum charge. Full shift charge after 4 hours.
- Add \$100 per 8 hour shift for night work labor premium, \$20/add'l beacon, and \$225/shift/light tower.
- Hourly rates: OT day \$245 / OT night \$260 / DT day \$300 / DT night \$310
- Add \$800 per 8 hr shift to include an operated pilot car (\$850 for night work). Hourly rates: OT day \$125 / OT night \$132.50 / DT day \$150 / DT night \$160. Mobilization & idle time charges may apply.
- Rumble strips are not included. Add \$300/day + mobilization for 12ea, if required.
- Lunch and breaks to be covered by the client or add \$640 per 8 hr day shift for a 3<sup>rd</sup> flagger.

**Laborer Support Work (Hourly rate)** **\$80 / HR ST, \$105 / HR OT, \$130 / HR DT**

- Rate does not include a pickup truck (please call for equipment rental rates)
- Labor rates to be used in addition to lane closure daily rate
- 4 hour minimum. After 4 hrs a full 8 hr shift will be charged.
- Add \$5 per ST HR / \$7.50 per OT HR / \$10 per DT HR for night labor premium and \$225/shift/light tower.
- Laborers must be given rest and lunch breaks per union agreements and state law.
- Add \$10 per hr to rates for SFMTA bus de-polers (availability not guaranteed)

**Laborer Foreman (Hourly rate)** **\$100 / HR ST, \$125 / HR OT, \$150 / HR DT**

- Rate includes pickup truck (please call for equipment rental rates)
- Labor rates to be used in addition to lane closure daily rate
- 4 hour minimum. After 4 hrs a full 8 hr shift will be charged.
- Add \$5 per ST HR / \$7.50 per OT HR / \$10 per DT HR for night work labor premium
- Laborers must be given rest and lunch breaks per union agreements and state law
- Add \$10 per hr to rates for SFMTA bus de-polers (availability not guaranteed)

**Traffic Control Drawings**

1<sup>st</sup> sheet for a project **\$600 LS**

Additional sheets **\$450 EA**

- 24"x36" sheet, 1"=50' scale (or 11"x17", 1"=100' scale)
- Includes stamp by licensed civil engineer
- First revision is free. Additional revisions will be billed hourly.
- Price includes an emailed submittal only (\$2.00/SF for color plotting + postage)
- Hourly rate to attend meetings, site visits, permit assistance, multiple drawing revisions, etc. is \$275 for principal, \$175/HR for licensed engineer and \$150/HR hour for junior engineer
- Add \$250 per sheet as a rush charge when a plan is needed with less than 1 week lead time and we are able to accommodate the request. This fee will be charged at the discretion of CMC. The 1 week minimum lead time is not a guarantee that plans can normally be completed in 1 week.



**TC Equipment Rental**

	Daily	Weekly	28 Days
CMS Board	\$225.00	\$700.00	\$1400.00
Arrow board	\$85.00	\$255.00	\$650.00
Radar Speed Trailer	\$225.00	\$700.00	\$1400.00
Roll-up sign with sign stand	\$7.00	\$50.00	\$150.00
Type I barricade	\$1.00	\$7.00	\$28.00
Type III barricade	\$4.00	\$12.00	\$40.00
Traffic cone	\$0.75	\$3.50	\$14.00
Cone bar	\$2.00	\$6.00	\$18.00
Portable tubular delineator with base	\$0.75	\$5.25	\$21.00
Water-filled plastic barricades (Approx 2' x 6')	\$7.00	\$28.00	\$80.00
Plastic pedestrian barricade (Approx 3' x 6')	\$5.00	\$20.00	\$60.00
Delineator drum	\$2.00	\$10.00	\$40.00
Type K concrete barriers (20 LF)	\$15.00	\$45.00	\$125.00
SLED inline crash cushion TL3	\$90.00	\$270.00	\$800.00
SLED inline crash cushion TL2	\$80.00	\$240.00	\$750.00
Crash barrel array (price per barrel, unfilled)	\$10.00	\$30.00	\$80.00
Portable flashing beacon	\$20.00	\$60.00	\$180.00
Light Tower (dry rate – fuel not included)	\$150.00	\$450.00	\$900.00
Temporary traffic signals (set of 2)	\$1000.00	\$2000.00	\$5500.00
Caltrans Rumble Strips (set of 12 – 2 flagger stations)	\$300.00	\$1200.00	\$3600.00
Aluminum signs (Per square foot)	\$1.00	\$7.00	\$21.00

- Delivery, pickup, & damage charges apply. 3 day minimum on rental orders

**Traffic Control Equipment & Supply Sales****Specific orders quoted upon request**

- |                         |                             |                              |
|-------------------------|-----------------------------|------------------------------|
| ○ Aluminum signs        | ○ K-rail and crash cushions | ○ Chip seal markers/floppies |
| ○ Rollup signs          | ○ Cones                     | ○ Temporary chain link fence |
| ○ Sign stands           | ○ Delineators               | ○ Water filled barricades    |
| ○ Traffic striping tape | ○ Pedestrian barricades     |                              |

**Pavement Striping – Installation and Removal****Specific jobs quoted upon request**

- Installation options: thermoplastic, paint, temporary tape
- Removal: Grinding, black-out temporary tape, pressure washing

**Traffic Counts**

48-Hour ADT Mechanical Tube Count	\$1500 / COUNT
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**Project Signs**

Fabrication (delivery & tax not included)	\$350 / EA
Delivery & installation on existing fence	\$200 / EA
Delivery & installation on wood stand	\$400 / EA
Removal and disposal	\$150 / EA

- 4' x 8' or 4' x 6' sign on 3/4" plywood substrate
- Hi-resolution graphic file to be provided by the client. Graphic editing will be billed at \$150/HR
- Add \$150 for anti-graffiti film
- Pricing is not based on project specific specifications and is valid for CCSF projects only. Please call for a custom quote.

No retention to be held on our work. Pricing is not based on the review of any project-specific specification. All project costs including project drug testing, safety training, Textura fees, etc to be marked up and billed to the client. Mobilization, demobilization, subsistence, and travel time charges apply based on scope of work, location, schedule, etc. CMC's typical service range consist of the following boundary: Santa Rosa to Sacramento to Stockton to Gilroy to Santa Cruz. We reserve the right to accept or decline work on a job to job basis. Payment due net 30 days. 1.5% interest per month added to overdue invoices. All rates shown above are discounted rates for payment by cash or check and require our client to have an account in good standing. Please ask for our standard rates if you wish to pay by credit card. CMC reserves the right to stop work for any client if invoices become past due. Bonds and permits are excluded. CMC will not indemnify or defend others. We will not provide OCIP credits/deductions. This quote must become a binding part of any contract and items cannot be split without prior permission. Please call us to discuss our scope of work prior to listing us on a project. Rates are valid thru 6/30/2020.

**X**

Sign and Return to Indicate Acceptance



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0180 - Survey - R1**



<b>Companies:</b>	
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>

**General Information**

<b>Questions</b>	<b>Response</b>
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0180 - Survey - R1**



<b>Companies:</b>	<b>HMHCA</b>
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	
1.1 - By signature below, Bidder acknowledges that it has read Sundt's Attachment 1 Sample Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0180 - Survey - R1**



<b>Companies:</b>	<b>HMHCA</b>
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>
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4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
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5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
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5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

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<b>Companies:</b>	<b>HMHCA</b>
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
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2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	
<b>Code Scope</b>	
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	
Participate and comply with Contractor Quality Assurance/Quality Control Plan.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0180 - Survey - R1**



<b>Companies:</b>	
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>
Active participation in project required meetings.	
One mobilization is included. Additional mobilizations will incur additional charges.	
Subcontractor is held accountable for any delays incurred by not following the contract submittal procedures.	
Pricing is valid through the duration of the project. No escalations will be allowed.	
All necessary safety training (Confined space, fall protection, AWP, etc.) will be provided by the subcontractor.	
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	
Service Provider will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	
Subcontractor's construction equipment shall be properly sized to safely and efficiently handle the intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	
greatest extent possible, "local" labor. Upon award, the selected Service Provider for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 0180 - Survey - R1**



<b>Companies:</b>	<b>HMHCA</b>
Contact Name:	David Stanton
Phone:	
Qualification:	
Last Response Date:	2/25/2020
Subcontractor Quote:	<b>75,569.70</b>

Project Specific - 4.9The City of San Mateo is implementing a Project Labor Agreement (PLA) on the project. All costs will need to be included for the implementation of this PLA in the subcontractor's bid price.	
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Service Provider will adhere to all requirements of the California Department of Industrial Relations including labor rates and apprenticeship requirements. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	
Project Specific - This project is pursuing WIFIA funding. Subcontractor will review and include applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here:	
Service Provider shall provide all labor, material, equipment, and appurtenances as required to complete the described scope of work complete per plans, specifications, and contract documents.	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Service Provider shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day and \$2,500 per day for Final Completion. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes

**Bid Breakdown**

Item Description	UOM	Quantity	\$ Unit Price	\$ Total
Field Services - 2-Man Field Crew	HR	152	\$ 264.00	\$ 40,080.00
Field Services - Principals	HR	24	\$ 350.00	\$ 8,400.00
Professional Services - Civil Engineering, Land Surveying, or Landscape Architect Manager	EA	1	\$ 5,000.00	\$ 5,000.00
Misc. Transportation and Incidental Costs	LS	1	\$ 10,000.00	\$ 10,000.00
Misc. Materials - Pile Markers	EA	1950	\$ 3.00	\$ 5,850.00
Taxes	LS	1	\$ 6,239.70	\$ 6,239.70



<i>Client Initials</i>	<i>Consultant Initials</i>

## CHARGE RATE SCHEDULE

### Professional & Office

	<u>Per Hour</u>
Civil Engineering, Land Surveying or Landscape Architect Manager	\$196
Senior Civil Engineering or Land Surveying or Landscape Architect Manager	\$224
Land Development Manager	\$198-250
Senior Planner	\$214
Senior Civil Engineer, Land Surveyor, or Landscape Architect	\$180
Engineering Design Specialist	\$174
Design Specialist	\$170-196
Project Planner	\$194
Project Civil Engineer, Land Surveyor, or Landscape Architect	\$166
Project Arborist	\$156
Engineer, Planner, Surveyor, or Landscape Designer	\$158
Assistant Engineer, Surveyor, Planner, or Landscape Designer	\$142
Junior Engineer, Surveyor, Planner, or Landscape Designer	\$132
Senior Technician	\$144
Project Technician	\$132
Technician	\$122
Assistant Technician	\$112
Junior Technician	\$94
Project Support Staff	\$88

### Field Services

	<u>Per Hour</u>
2-Man Field Crew	\$264
3-Man Field Crew	\$346
1-Man Field Crew	\$184
Senior Field Engineer	\$174
Field Engineer	\$154

Principals are Charged at \$230.00 to \$350.00 per hour  
 Printing, Reproductions & Materials at Cost, Plus 20%  
 Transportation at Cost, including mileage based upon IRS rates  
 Other Outside Services at Cost, Plus 20%

Rates are subject to adjustment July 1, 2020.





**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0191 - Tower Cranes**



Companies:	Morrow Equipment Co.	Bigge Crane and Rigging Co.
Contact Name:	Chris Whittle	Eric Hibler
Phone:	707-644-3731x0207	510-638-8100
Qualification:		
Last Response Date:	12/13/2019	12/13/2019
Subcontractor Quote:	\$621,954.00	\$485,616.80

**General Information**

Questions	Response	Response
<b>Project Scope</b>		
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.		
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.		
Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to disqualification.		
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)		
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.		



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0191 - Tower Cranes**



<b>Companies:</b>	<b>Morrow Equipment Co.</b>	<b>Bigge Crane and Rigging Co.</b>
Contact Name:	Chris Whittle	Eric Hibler
Phone:	707-644-3731x0207	510-638-8100
Qualification:		
Last Response Date:	12/13/2019	12/13/2019
Subcontractor Quote:	<b>\$621,954.00</b>	<b>\$485,616.80</b>

3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.		
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.		
3.4 - Shop drawing and submittal preparation lead time:		
3.5 - Fabrication & delivery lead time:		
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.		
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):		
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):		
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):		
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):		
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:		
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:		
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:		
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.		



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0191 - Tower Cranes**



Companies:	Morrow Equipment Co.	Bigge Crane and Rigging Co.
Contact Name:	Chris Whittle	Eric Hibler
Phone:	707-644-3731x0207	510-638-8100
Qualification:		
Last Response Date:	12/13/2019	12/13/2019
Subcontractor Quote:	<b>\$621,954.00</b>	<b>\$485,616.80</b>
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.		
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.		
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.		
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.		
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.		
<b>Code Scope</b>		
Subcontractor will ensure all personnel are experienced and qualified to complete the Work. Subcontractor will also ensure that all employees are legally able to work on the Project Site. Subcontractor shall supplement construction labor immediately if the Work falls behind the agreed upon schedule at Subcontractor's expense.		
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.		
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.		
Subcontractor will adhere to all requirements of Sundt's site specific and standard safety policies without exception.		
Intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.		
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Subcontractor shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.		
Subcontractor will participate in Sundt Construction scheduling meetings including all required Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Subcontractor shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.		



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 0191 - Tower Cranes**



Companies:	Morrow Equipment Co.	Bigge Crane and Rigging Co.
Contact Name:	Chris Whittle	Eric Hibler
Phone:	707-644-3731x0207	510-638-8100
Qualification:		
Last Response Date:	12/13/2019	12/13/2019
Subcontractor Quote:	<b>\$621,954.00</b>	<b>\$485,616.80</b>

their Work. Project specific SWPPP requires Best Management Practices (BMPs) to be in place prior to any excavation. BMP coordination is the responsibility of the Subcontractor. Subcontractor shall protect all SWPPP BMP installations from damage and repair any damage to BMPs caused by Subcontractor's actions.		
Cleanup of work area to be completed daily. Subcontractor is required to maintain a neat and orderly work area free of debris.		
Subcontractor will provide auditable quantities of units installed on a weekly basis in a format similar to the WBS as shown on the bid breakdown. Scope progress and payment progress will be based on rules of credit developed in conjunction with Sundt upon award of contract. Upon award Subcontractor will provide adequate cost breakdown as required to fill out progress tracking reports.		
greatest extent possible, "local" labor. Upon award, the selected Subcontractor for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.		
Project Specific - 4.8The City of San Mateo is implementing a Project Labor Agreement (PLA) on the project. All costs will need to be included for the implementation of this PLA in the subcontractor's bid price.		

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Unit Price	\$ Total	Quantity	\$ Unit Price	\$ Total
TOWER CRANE No. 1				600 EC-H 20/40 Litronic			Comedil CTT721-40 (1 of 1)	
Rental Rate including Service for Tower Cranes listed above		MO	3	\$28,000.00	\$84,000.00	3	\$26,160.00	\$78,480.00
Hours per month included? (260 hours will be typical/month)				260 hrs			260 hrs	
Cost/HR for additional hours over quoted rates		MO	3	291 @ \$63.75	\$0.00	3	16 @ \$120	\$5,760.00
Inbound Freight		EA	1	\$18,000.00	\$18,000.00	1	\$17,000.00	\$17,000.00
Erection		EA	1	\$100,000.00	\$100,000.00	1	\$80,000.00	\$80,000.00
Outbound Freight		EA	0	\$14,000.00	\$0.00	1	\$0.00	\$0.00
Dismantle		EA	0	\$100,000.00	\$0.00	1	\$0.00	\$0.00
Foundation Anchors		LS	1	\$16,550.00	\$16,550.00	1	\$18,000.00	\$18,000.00
Other Items: 1) Technical Assistance (Morrow)		Days	20	\$1,350.00	\$27,000.00	20	N/A	
2) Trip Charge (Morrow)		Days	20	\$495.00	\$9,900.00	20	N/A	
3) Repair Monthly Charge (Morrow)		MO	3	\$0.00	\$0.00	3	N/A	
4) ReTorque		EA	2	\$0.00	\$0.00	2	\$0.00	\$0.00
Service Agreement		MO	3	\$1,500.00	\$4,500.00	3	\$1,000.00	\$3,000.00
Stamped Foundation Design Drawings		LS	1	\$5,700.00	\$5,700.00	1	\$2,000.00	\$2,000.00
3rd Party Crane Cert - Initial		LS	1	\$7,000.00	\$7,000.00	1	\$8,000.00	\$8,000.00
Annual Inspection		LS	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Engineered Drawings		LS	1	\$3,000.00	\$3,000.00	1	\$3,000.00	\$3,000.00
Anchor Stools		LS	1	Included		1	\$0.00	\$0.00
Set Anchors		LS	1	Included		1	\$0.00	\$0.00
OSHA Certification		LS	1	\$6,500.00	\$6,500.00	1	\$6,500.00	\$6,500.00
NDT Certificate		LS	1	Included		1	\$0.00	\$0.00
Re-Torque Tower Bolts		LS	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Temporary Security Enclosure Around Cab		LS	1	\$2,000.00	\$2,000.00	1	\$2,000.00	\$2,000.00
								\$0.00
TOWER CRANE No. 2				600 EC-H 20/40 Litronic			Comedil CTT721-40 (1 of 1)	
Rental Rate including Service for Tower Cranes listed above		MO	3	\$28,000.00	\$84,000.00	3	\$26,160.00	\$78,480.00
Hours per month included? (260 hours will be typical/month)				200 hrs			200 hrs	
Cost/HR for additional hours over quoted rates		MO	3	0 @ \$77.78		3	16 @ \$120	\$0.00
Inbound Freight		EA	1	\$18,000.00	\$18,000.00	1	\$17,000.00	\$17,000.00
Erection		EA	1	\$100,000.00	\$100,000.00	1	\$80,000.00	\$80,000.00
Outbound Freight		EA	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Dismantle		EA	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Foundation Anchors		LS	1	\$16,550.00	\$16,550.00	1	\$18,000.00	\$18,000.00
Other Items: 1) Technical Assistance (Morrow)		Days	20	\$1,350.00	\$27,000.00	20	N/A	
2) Trip Charge (Morrow)		Days	20	\$495.00	\$9,900.00	20	N/A	
3) Repair Monthly Charge (Morrow)		MO	3	\$0.00	\$0.00	3	N/A	
4) ReTorque		EA	2	\$0.00	\$0.00	2	\$0.00	\$0.00
Service Agreement (Stafford Crane)		LS	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Stamped Foundation Design Drawings		LS	1	\$5,700.00	\$5,700.00	1	\$2,000.00	\$2,000.00
3rd Party Crane Cert - Initial		LS	1	\$7,000.00	\$7,000.00	1	\$8,000.00	\$8,000.00
Annual Inspection		LS	1	\$0.00	\$0.00	1	\$0.00	\$0.00
Engineered Drawings		LS	1	\$3,000.00	\$3,000.00	1	\$3,000.00	\$3,000.00
Anchor Stools		LS	1	Included		1	\$0.00	\$0.00
Set Anchors		LS	1	Included		1	\$0.00	\$0.00
OSHA Certification		LS	1	\$6,500.00	\$6,500.00	1	\$6,500.00	\$6,500.00



Project: San Mateo WWTP - GMP2 - Piles  
Code: 0191 - Tower Cranes



Companies:	Morrow Equipment Co.	Bigge Crane and Rigging Co.
Contact Name:	Chris Whittle	Eric Hibler
Phone:	707-644-3731x0207	510-638-8100
Qualification:		
Last Response Date:	12/13/2019	12/13/2019
Subcontractor Quote:	<b>\$621,954.00</b>	<b>\$485,616.80</b>

NDT Certificate	LS	1	Included			1	\$0.00	\$0.00
Re-Torque Tower Bolts	LS	1	\$0.00	\$0.00		1	\$0.00	\$0.00
One-time Charges								
Automobile Insurance Additionally Insured	LS	1	\$3,800.00	\$3,800.00		1	\$3,800.00	\$3,800.00
Cupertino Electrical Hookup	LS	1	\$5,000.00	\$5,000.00		1	\$5,000.00	\$5,000.00
TOTAL CRANE EQUIPMENT COSTS =				\$570,600.00				\$445,520.00
Taxes	LS	1		<b>\$621,954.00</b>				<b>\$485,616.80</b>
Operators for Tower Cranes - standard rate (2*40*13 = 1,040 MH)	MH	1040	\$0.00	\$0.00		1040	\$0.00	\$0.00
Operators for Tower Cranes - OT rate (2*10*13 = 5,200 MH)	MH	260	\$0.00	\$0.00		260	\$0.00	\$0.00
TOTAL OPERATOR COSTS =				\$0.00				\$0.00



**SALES REP. :** Eric Hibler  
Email : [ehibler@bigge.com](mailto:ehibler@bigge.com)  
Phone : (510) 254-1944

**QUOTE# :** Q-00061891  
**DATE :** 08/14/2018  
**QUOTE EXPIRATION DATE :**

**CUSTOMER INFORMATION :**

Steve Bradford  
Sundt Corp  
Email: [slbradford@sundt.com](mailto:slbradford@sundt.com)

**BILLING ADDRESS :**

SUNDT 2620 SOUTH 55TH STREET  
TEMPE AZ USA 85282

**JOB SITE (S) :**

- 2050 Detroit Drive, San Mateo, California, 94404

**PROJECT NAME :** San Mateo Waste Water Tower Cranes

Bigge Crane and Rigging Co. hereinafter referred to as "LESSOR" is pleased to provide, the following quotation for lease, to Sundt Corp located at SUNDT 2620 SOUTH 55TH STREET, TEMPE, AZ 85282, USA, hereinafter referred to as "LESSEE".

**Description of Work**

(2) Comedil CTT 721 Tower Cranes

**Tower #1 - Lower - Comedil CTT721-40 (1 of 1)****Crane Configuration**

<b>Initial Height Under Hook :</b> 83 '	<b>Final Height Under Hook :</b> 83 '	<b>Jib Length Reach :</b> 275 '
<b>Capacity at Jib Tip :</b> 7,496 lb	<b>Maximum Capacity :</b> 44,092 lb	<b>Trolley Hook :</b> 2 part
<b>Freestanding/Climbed :</b> Freestanding		

**Mast Configuration**

<b>Total Tower Sections :</b> 4 No(s)	<b>Footing Type :</b> Anchors	<b>Anchor Type :</b> HD23 26.6
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**Electrical Requirements**

<b>Electrical Requirement :</b> 480 Volts, 3 Phase, 60 Cycle	<b>Amperage :</b> 400 Amps	<b>Transformer Option :</b> NA
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**Billing Terms, Start Date, Minimum Lease Duration & Other Terms**

<b>Minimum Lease Duration :</b> 36 Month(s)	<b>Replacement Value(\$)</b> : 1,200,000	<b>Monthly Hours Included :</b> 200 hrs
<b>Scheduled Start Date :</b> 8/14/2019	<b>Additional Hours (\$)</b> : 120.00	

**Assist Crane & Crew**

<b>Base Set Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 40	<b>Shift :</b> Straight Time
<b>Assembly Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 80	<b>Shift :</b> Straight Time
<b>Disassembly Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 80	<b>Shift :</b> Straight Time



### Monthly Billing

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Bare Rate	Monthly Rate		\$24,000.00	Month	9.00%	\$2,160.00	36.00	\$941,760.00
Repair Agreement	Monthly Rate		\$2,000.00	Month	0.00%	\$0.00	36.00	\$72,000.00
<b>Total Monthly Billing</b>								<b>\$1,013,760.00</b>

### Assembly Set Up Charges

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Engineered Drawings	One Time		\$3,000.00		0.00%	\$0.00	1.00	\$3,000.00
Freight On	One Time		\$17,000.00		0.00%	\$0.00	1.00	\$17,000.00
Anchor Stools	One Time		\$20,000.00		9.00%	\$1,800.00	1.00	\$21,800.00
Set Anchors	One Time		\$8,000.00		0.00%	\$0.00	1.00	\$8,000.00
Assembly	Lump Sum		\$80,000.00		0.00%	\$0.00	1.00	\$80,000.00
3rd Party Inspection	One Time	Initial and annual	\$8,000.00	Occurrence	0.00%	\$0.00	3.00	\$24,000.00
OSHA Certification	One Time	Initial and every 6 month	\$6,500.00	Occurrence	0.00%	\$0.00	6.00	\$39,000.00
NDT Certificate	One Time		\$3,500.00		0.00%	\$0.00	1.00	\$3,500.00
Re-Torque Tower Bolts	One Time		\$4,000.00	Occurance	0.00%	\$0.00	2.00	\$8,000.00
<b>Total Assembly Set Up Charges</b>								<b>\$204,300.00</b>

### Dismantle Charges

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Disassembly	Lump Sum		\$80,000.00		0.00%	\$0.00	1.00	\$80,000.00
Freight Off	One Time		\$17,000.00		0.00%	\$0.00	1.00	\$17,000.00
<b>Total Dismantle Charges</b>								<b>\$97,000.00</b>
<b>Total</b>								<b>\$1,315,060.00</b>

### Tower #2 - Taller - Comedil CTT721-40 (1 of 1)



### Crane Configuration

<b>Initial Height Under Hook :</b> 103 '	<b>Final Height Under Hook :</b> 103 '	<b>Jib Length Reach :</b> 275 '
<b>Capacity at Jib Tip :</b> 7,496 lb	<b>Maximum Capacity :</b> 44,092 lb	<b>Trolley Hook :</b> 2 part
<b>Freestanding/Climbed :</b> Freestanding		

### Mast Configuration

<b>Total Tower Sections :</b> 5 No(s)	<b>Footing Type :</b> Anchors	<b>Anchor Type :</b> HD23 26.6
---------------------------------------	-------------------------------	--------------------------------

### Electrical Requirements

<b>Electrical Requirement :</b> 480 Volts, 3 Phase, 60 Cycle	<b>Amperage :</b> 400 Amps	<b>Transformer Option :</b> NA
--	----------------------------	--------------------------------

### Billing Terms, Start Date, Minimum Lease Duration & Other Terms

<b>Minimum Lease Duration :</b> 36 Month(s)	<b>Replacement Value(\$)</b> : 1,200,000	<b>Monthly Hours Included :</b> 200 hrs
<b>Scheduled Start Date :</b> 8/14/2019	<b>Additional Hours (\$)</b> : 120.00	

### Assist Crane & Crew

<b>Base Set Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 40	<b>Shift :</b> Straight Time
<b>Assembly Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 80	<b>Shift :</b> Straight Time
<b>Disassembly Crane Pricing :</b> Included	<b>Max Radius (Ft) :</b> 80	<b>Shift :</b> Straight Time

### Monthly Billing

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Bare Rate	Monthly Rate		\$24,000.00	Month	9.00%	\$2,160.00	36.00	\$941,760.00
Repair Agreement	Monthly Rate		\$2,000.00	Month	0.00%	\$0.00	36.00	\$72,000.00
<b>Total Monthly Billing</b>								<b>\$1,013,760.00</b>



### Assembly Set Up Charges

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Engineered Drawings	One Time		\$3,000.00		0.00%	\$0.00	1.00	\$3,000.00
Freight On	One Time		\$17,000.00		0.00%	\$0.00	1.00	\$17,000.00
Anchor Stools	One Time		\$20,000.00		9.00%	\$1,800.00	1.00	\$21,800.00
Set Anchors	One Time		\$8,000.00		0.00%	\$0.00	1.00	\$8,000.00
Assembly	Lump Sum		\$80,000.00		0.00%	\$0.00	1.00	\$80,000.00
3rd Party Inspection	One Time	Initial and annual	\$8,000.00	Occurrence	0.00%	\$0.00	3.00	\$24,000.00
OSHA Certification	One Time	Initial and every 6 month	\$6,500.00	Occurrence	0.00%	\$0.00	6.00	\$39,000.00
NDT Certificate	One Time		\$3,500.00		0.00%	\$0.00	1.00	\$3,500.00
Re-Torque Tower Bolts	One Time		\$4,000.00	Occurance	0.00%	\$0.00	2.00	\$8,000.00
<b>Total Assembly Set Up Charges</b>								<b>\$204,300.00</b>

### Dismantle Charges

Item	Charge Type	Notes	Rate	UoM	Tax %	Tax \$	Quantity	Total
Disassembly	Lump Sum		\$80,000.00		0.00%	\$0.00	1.00	\$80,000.00
Freight Off	One Time		\$17,000.00		0.00%	\$0.00	1.00	\$17,000.00
<b>Total Dismantle Charges</b>								<b>\$97,000.00</b>
<b>Total</b>								<b>\$1,315,060.00</b>

### Borrowed Servant - Operator

Rate	Straight Time	\$115.00	Hour	8 Hour Minimum
	Over Time	\$145.00	Hour	
	Double Time	\$175.00	Hour	

Taxes calculated are for San Mateo, California

### Provided by Others

Traffic Control



Lane Closure  
Flaggers

### **STANDARD CLARIFICATIONS:**

- a. Technician and operator are required during erection, climbing and disassembly of tower crane.
- b. Any swing and trolley limiting devices (if required) are the LESSEE's responsibility.
- c. Tower Crane Operator Rates are subject to increase \$3 per hour as of July 1, 2020 per union agreements.

### **GENERAL TERMS:**

- a. The pricing includes sales tax which is subject to change upon future changes in the laws that provide for the sales tax rate within the applicable tax jurisdiction at the time of the lease, or upon changing the lease to a different piece of a equipment, or upon sourcing the piece of equipment from a different location.
- b. Prior to delivery or release of the Equipment, a Bare Equipment Lease Agreement shall be fully executed on file with LESSOR.
- c. LESSEE shall provide LESSOR a 60 day notice of any termination or extension. Early termination is subject to termination fees. If after meeting the minimum guaranteed rental period and LESSEE fails to notify LESSOR within 60 days of termination date, LESSEE shall pay for the full month's rental regardless if the maximum hours have been met.
- d. LESSEE agrees to pay a Cancellation Fee equivalent to the minimum lease duration as defined in this Proposal should the LESSEE cancel this Agreement within one hundred twenty (120) days of the scheduled commencement of the Lease Period.
- e. Should LESSEE delay taking delivery within ten (10) business days after the stated delivery date in the Proposal Letter, LESSOR shall commence rental charges on the stated delivery date or, at its option, LESSOR may terminate this contract without liability and LESSEE shall be responsible for any reservation costs.
- f. Mobilizations do not account for weather related delays such as, but not limited to, wind, rain, or snow. LESSEE will be responsible for LESSOR's employees show up time per the Union contract.

### **RATES:**

- a. Overtime and Double-Time rates shall apply for any work occurring on Saturday, Sunday and standard Bank Holidays.

### **INVOICING & PAYMENTS:**

- a. LESSOR's invoice shall be paid at the beginning of each month at a 28 day monthly cycle.
- b. All the costs as referenced in the Proposal including, but not limited to, anchors, transportation, installation, certifications and first months lease for the equipment shall be paid in the first invoice.
- c. No retention shall be withheld.
- d. Any costs associated with any mandatory billing system as required by LESSEE such as Textura shall be charged to and paid for by LESSEE.

### **ELECTRICAL REQUIREMENTS:**

- a. The voltage must be free from ripple or noise that is outside the ideal sine waveform and have no spikes or drops that exceed 5%.

### **REGULATORY INSPECTIONS:**

- a. Independent third-party and OSHA inspections are not included if not specifically listed in Schedule of Values/Quotation and shall be billed directly to LESSEE. Inspections require advanced written notification. LESSOR will make a reasonable effort to schedule OSHA inspections; however, LESSOR is not responsible for any delays due to OSHA scheduling (directly or indirectly). Anything that is not within LESSOR's control shall not be LESSOR's responsibility.

### **EQUIPMENT REPAIR AGREEMENT:**



- a. All lightning strike related damages are not covered under the standard repair agreement.

### **BILLABLE ITEMS:**

- a. Technical assistance will be provided upon written request by LESSEE during assembly and disassembly of the tower crane and will be billed per LESSOR's published standard rate sheet. Such rate sheet will be available upon request by LESSEE.

### **EXCLUDED ITEMS:**

- a. Price excludes all traffic related costs, including traffic control, barricades, flagmen, street closures, city work permits, or other traffic related items; any unknown or hidden fees; all power supply work, tower crane pad foundation work and any engineering of any type; all permits, including tower crane operating permit, any FAA permits temporary occupancy or electrical permits as may be required.
- b. Price excludes costs related to operators, rigging personnel, and signal persons not specifically included in this Proposal. Pricing for any activities, such as assembly of tower cranes, erection of hoists, jumps of either, and re-torque, does not include costs for an operator.
- c. Price excludes any foundation engineering and wall-tie attachment engineering.
- d. Price excludes any required shoring for Equipment, trucks or assist cranes.
- e. Price excludes any required swing and trolley limiting devices, either Zoning or Anti-Collision Systems.
- f. Price excludes any apparatus, system, and parts that are not specifically listed in this quote, including but not limited to, lifting accessories, tools, embeds, gates, steel dock and ramp, call boxes, tie-ins, counterweights, test weights, jibs, base anchors.

### **INSURANCE AND BONDS:**

- a. LESSEE must provide upon request, satisfactory EQUIPMENT-SPECIFIC insurance in accordance with LESSOR's Bare Equipment Lease Agreement. LESSOR can provide up to \$2 Million of General Liability coverage per occurrence and \$4 million per aggregate. If additional limits are required by LESSEE then LESSOR will charge for any increase in coverage amount.
- b. Any bonds required by LESSEE the bonds premium will be charged to the account of LESSEE.
- c. In the event LESSOR needs to enroll in any mandatory insurance program required by LESSEE and/or Owner, then all costs, including but not limited to, administrative and enrollment fees will be charged to and paid for by LESSEE and/or Owner. The 'Insurance' credit shall not exceed the amount of LESSOR's actual cost based on our insurance limits and deductibles. There will be no credit for any 'Insurance' administrative overhead and profit and/or fees, and no credit for excess liability coverage [excess liability is not subject to final audit]. Credit will be issued at the completion of LESSOR's scope of work and after a final reconciliation. If LESSOR is onsite for less than eight (8) hours LESSOR shall be excluded from participating in the 'Insurance' program.

### **LABOR RATES:**

- a. Unless mutually agreed, labor rates shall be subject to escalations per Union agreements.

### **CUSTOMER (LESSEE'S) RESPONSIBILITIES, PRIOR TO ARRIVAL ON SITE:**

- a. Electrical service with at least the amperage (as mentioned above) fused disconnect service must be installed within ten (10) feet of the base of each Equipment prior to erection.
- b. Provide free and clear access (on ground and in aerial space) with adequate working and storage space for the purposes of LESSOR's work.
- c. Provide LESSOR with firm level soil, all weathered work area capable of supporting the loads imposed by LESSOR's equipment.
- d. Verify that the tower crane may operate and/or weathervane over adjacent property, existing buildings, power lines, streets, neighboring obstacles, etc.
- e. Ensure that structure is ready for erecting, mounting and tying-in of the Equipment.



- f. Provide and install electrical earth grounding rod for tower crane.
- g. Responsible for the installation of the foundations and structural supports in accordance with the stamped and approved design, prior to equipment erection per OSHA requirements and shall confirm in writing to LESSOR.
- h. Responsible for securing the foundation anchors to the tower section and holding them plumb and secure to a tolerance per manufacturer's specifications vertically while the foundation is being constructed and curing.
- i. Responsible for obtaining the operating permit of the tower crane.

#### **TERMINATION FEES:**

- a. LESSOR reserves the right to charge the remaining guaranteed minimum rental, demobilization, transportation, and reservation cost should LESSEE elect to terminate for convenience or cancel any rental within 24 hours of dispatching. Lease rates are subject to change and are based on availability at the time of order acceptance.

#### **TOTAL LIABILITY CAP:**

- a. LESSOR's total liability shall not exceed 15% of the contract value.

#### **LIMITATION OF LIABILITY:**

- a. Unless otherwise expressly represented, LESSOR is not the manufacturer of the equipment. LESSOR extends no warranties, express or implied, of merchantability, fitness for a particular purpose, design, materials, or otherwise, except as set forth in this agreement. In no event shall LESSOR or the manufacturer (or its component suppliers) of the equipment be liable for any delay, work stoppage, loss of use of equipment, loss of time, inconvenience, loss of profit, or any direct, indirect, incidental, liquidated, special, consequential or punitive damages.

#### **ASSEMBLY AND DISASSEMBLY SERVICE:**

- a. The use of a qualified Technician and/or Operator is required during assembly, climbing, operating, and disassembly of the Equipment.
- b. LESSEE may elect to add an Assembly and Disassembly Service under an Addendum covering the assembly, jumps and disassembly of the tower crane, including parts and technician labor (operator not included), at an additional cost.
- c. LESSEE will provide a 30 day notice prior to any assembly, jump or disassembly if dates are yet not established.
- d. LESSEE will assume responsibility for all stand-by time exceeding one (1) hour created by inclement weather, labor strikes, or jobsite condition, even if beyond LESSEE's control.
- e. Under no circumstances shall LESSOR be liable for the cost of any downtime or delays in delivery, delays in installation, testing or for consequential damages for the failure of any parts or Equipment to operate.
- f. The assist crane, all Equipment parts and other items will be given free and clear access at all times. All assembly and disassembly pricing based on maximum assist crane working radius as stated in the Schedule of Values/Quotation.
- g. Where assembly and/or disassembly charges include an assist crane, the assist crane can be operated at full load chart specifications unless otherwise agreed to by the parties. Any request to limit crane operation to less than full load chart may require a substitute larger crane. Any additional costs from such substitution will be charged to customer as an extra

LESSOR's proposal and pricing are contingent on providing a maximum of \$2 Million General Liability, \$4 Million Aggregate. A request for higher limits not included in a bid specification or advice provided prior to our bid will be subject to an increase in our pricing.



Please read the Bigge Crane and Rigging Co. ("Bigge") standard terms and conditions, **and your quote-specific terms, conditions and clarifications** (together, the "Referenced Terms") at this link: [Terms & Conditions](#). A copy will be provided upon request. THE REFERENCED TERMS ARE INCORPORATED HEREIN BY THIS REFERENCE AND MADE A PART HEREOF, AND WILL BE INCORPORATED IN AND MADE A PART OF THE TOWER/HOIST RENTAL AGREEMENT. The Referenced Terms, together with the equipment description and pricing set forth above and/or in the Rental Agreement, shall be the SOLE AND EXCLUSIVE writing governing any equipment lease or performance described herein. Any different or additional terms that may be contained in customer's document are hereby REJECTED in their entirety. Start of services or acceptance of delivery of equipment shall be deemed acceptance of the Reference Terms. Performance or Partial Performance by Bigge shall not be deemed an acceptance of any customer's terms.

### BIGGE CRANE AND RIGGING CO.

SIGNATURE

NAME (PRINT)

DATE

TITLE

### SUNDT CORP

SIGNATURE

NAME (PRINT)

DATE

TITLE





# FLAT TOP TOWER CRANE

**Specifications:**

- ▶ Max jib length: 275.6 ft
- ▶ Capacity at max length: 7,496 lbs
- ▶ Max capacity: 88,185 lbs

**WORKS FOR YOU.™**



# KEY

## Zeichenerklärung · Légende · Leyenda · Legenda



Hoisting · Heben · Levage · Elevación · Sollevamento



Trolleying · Katzfahren · Distribution · Distribución · Traslazione carrello



Slewing · Schwenken · Orientation · Orientació · Rotazione



Travelling · Schienenfahren · Translation · Traslación · Traslazione



Directive on noise level · Richtlinie für den Schall-Leistungspegel · Directive sur le niveau acoustique · Directiva sobre el nivel acustico · Direttiva sul livello acustico



Consult us · Auf Anfrage · Nous consulter · Consultarnos · Consultateci



Power requirements · Geforderte Stromstärke · Puissance totale nécessaire · Potencia necesaria · Potenza totale richiesta



Power supply · Stromversorgung · Alimentation · Alimentación · Alimentazione



In service · In Betrieb · En service · En servicio · In servizio



Out of service · Außer Betrieb · Hors service · Fuera de servicio · Fuori servizio



Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio



Without load, without ballast, max. jib and max. height · Ohne Last und Ballast, mit Maximalausleger und Maximalhöhe · A vide, sans lest, avec flèche et hauteur maximum · Sin carga, sin lastre, con pluma y altura máxima · A vuoto, senza zavorra, braccio max., altezza max.



Counterweight · Gegengewicht · Lest de contre-flèche · Lastre de contra flecha · Zavorra controbraccio

**C25**

FEM 1004 Out of service wind condition · FEM 1004 Windverhältnisse im Außerbetriebszustand · FEM 1004 Conditions de vent hors service · FEM 1004 Condiciones de viento fuera de servicio · FEM 1004 Condizioni del vento in fuori servizio



**TEREX®**



**FEM**





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**CTT 721-40 HD23**

**Inhalt · Contenu · Contenido · Indice**

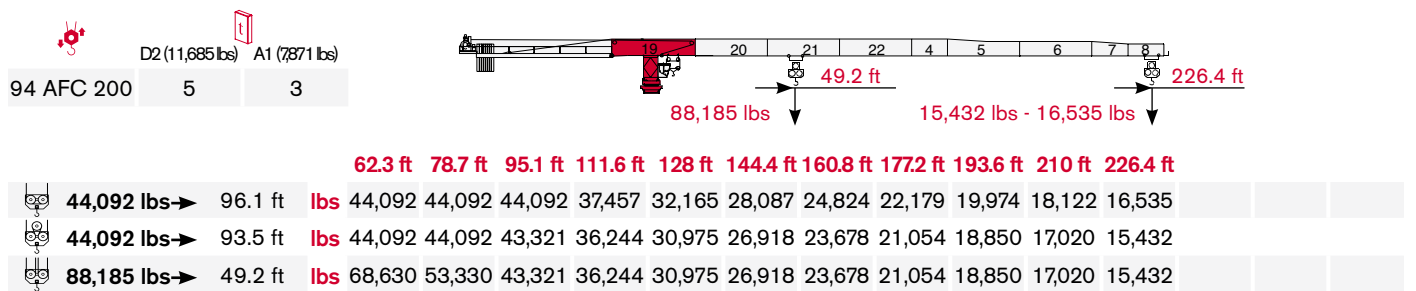
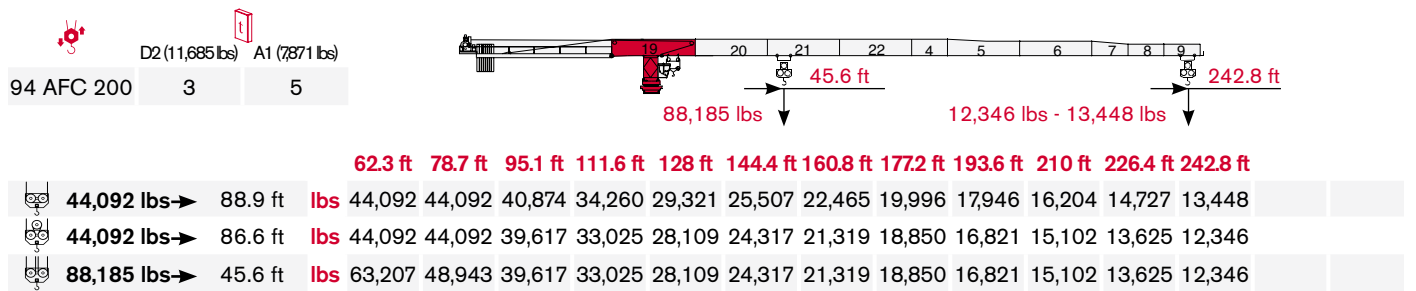
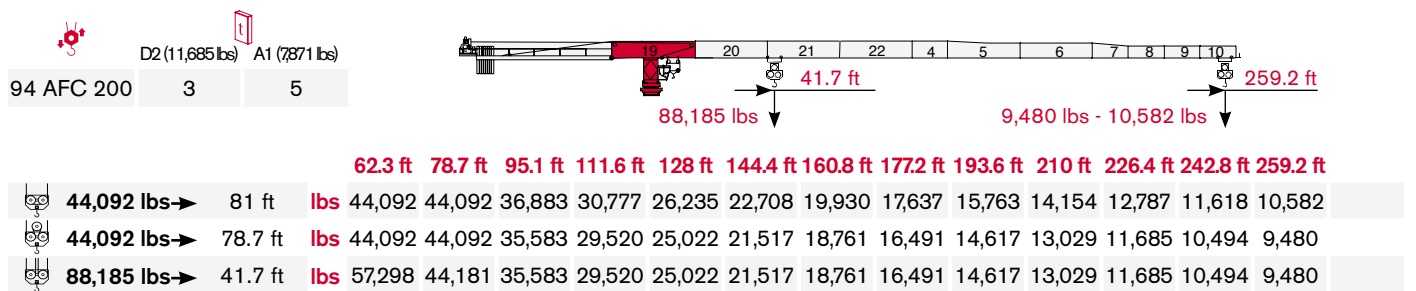
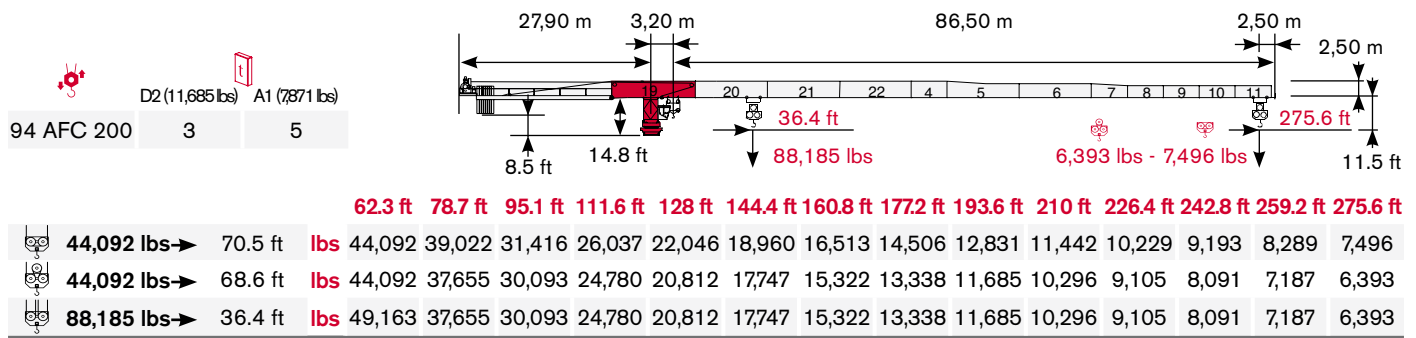
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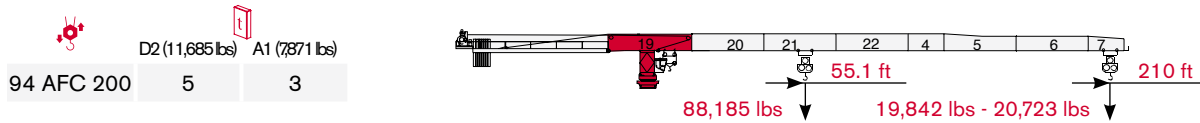


# LOAD DIAGRAM

Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata

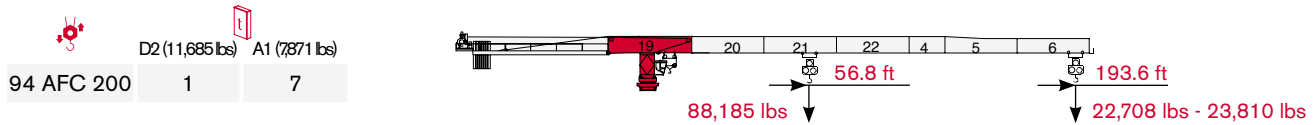






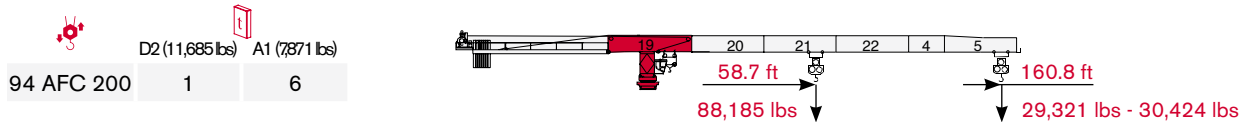
62.3 ft 78.7 ft 95.1 ft 111.6 ft 128 ft 144.4 ft 160.8 ft 177.2 ft 193.6 ft 210 ft

	44,092 lbs→	107 ft	lbs	44,092	44,092	44,092	42,152	36,288	31,769	28,153	25,221	22,774	20,723				
	44,092 lbs→	105.3 ft	lbs	44,092	44,092	44,092	41,381	35,494	30,931	27,315	24,361	21,914	19,842				
	88,185 lbs→	55.1 ft	lbs	77,647	60,517	49,295	41,381	35,494	30,931	27,315	24,361	21,914	19,842				



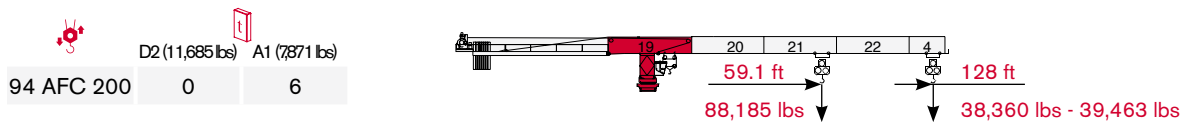
62.3 ft 78.7 ft 95.1 ft 111.6 ft 128 ft 144.4 ft 160.8 ft 177.2 ft 193.6 ft

	44,092 lbs→	111.2 ft	lbs	44,092	44,092	44,092	43,938	37,853	33,135	29,388	26,345	23,810				
	44,092 lbs→	108.6 ft	lbs	44,092	44,092	44,092	42,770	36,685	32,011	28,263	25,243	22,708				
	88,185 lbs→	56.8 ft	lbs	80,116	62,479	50,927	42,770	36,685	32,011	28,263	25,243	22,708				



62.3 ft 78.7 ft 95.1 ft 111.6 ft 128 ft 144.4 ft 160.8 ft

	44,092 lbs→	114.5 ft	lbs	44,092	44,092	44,092	44,092	39,132	34,282	30,424						
	44,092 lbs→	111.9 ft	lbs	44,092	44,092	44,092	44,092	38,008	33,180	29,321						
	88,185 lbs→	58.7 ft	lbs	82,828	64,618	52,690	44,269	38,008	33,180	29,321						



62.3 ft 78.7 ft 95.1 ft 111.6 ft 128 ft




	44,092 lbs→	115.5 ft	lbs	44,092	44,092	44,092	44,092	39,463								
	44,092 lbs→	112.9 ft	lbs	44,092	44,092	44,092	44,092	38,360								
	88,185 lbs→	59.1 ft	lbs	83,533	65,191	53,153	44,666	38,360								






## Turm · Tour · Torre · Torre

**Standard Configurations · Standardkonfiguration ·  
Standard Implantations · Implantaciones Standard · Installazioni Standard**




**Tower: HD23 & Basement: R2**

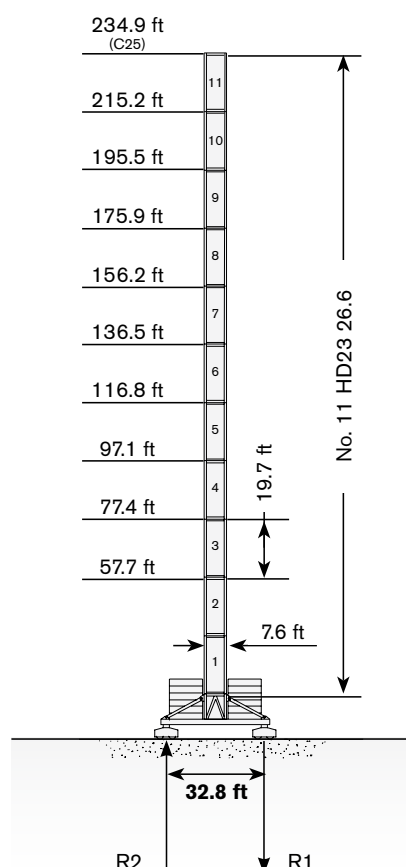
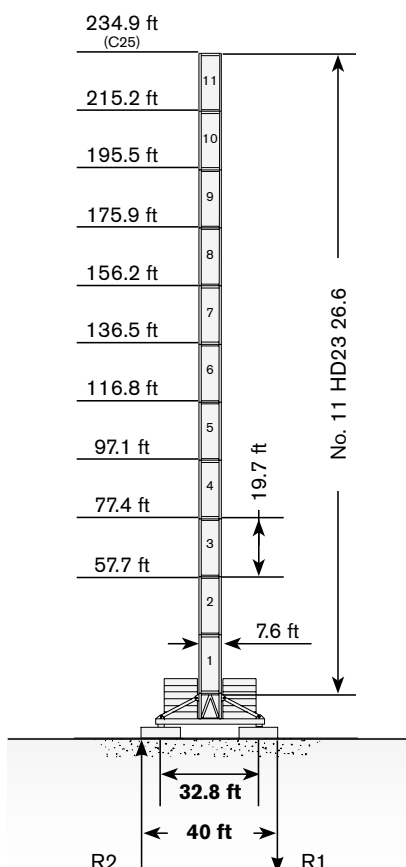
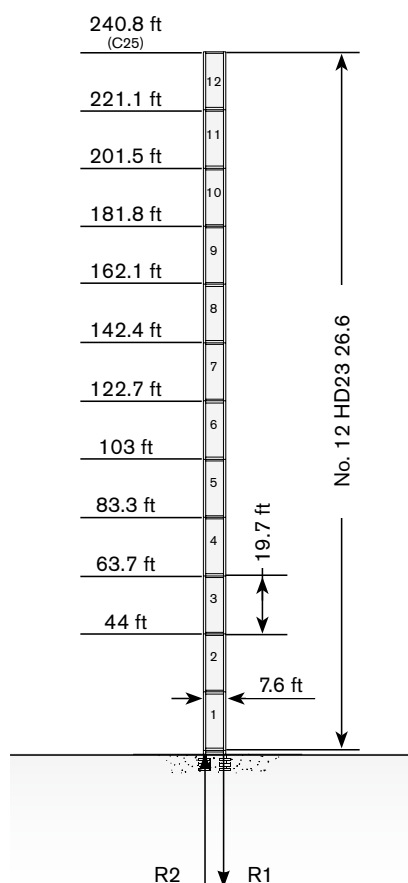
		
<b>R1</b>	-3743 kN	-5255 kN
<b>R2</b>	2510 kN	4316 kN
	1540,65 kN	

**Tower: HD23 & Basement: FP6**

		
<b>R1</b>	-1598 kN	-1823 kN
<b>R2</b>	-344 kN	-120 kN
	1735 kN	

**Tower: HD23 & Basement: T6**

		
<b>R1</b>	-1684 kN	-1823 kN
<b>R2</b>	-406 kN	-190 kN
	1735 kN	



Max. under hook height • Höchste Hakenhöhe • Hauteur maxi. sous crochet • Maxima altura bajo gancho • Altezza max. sotto gancio

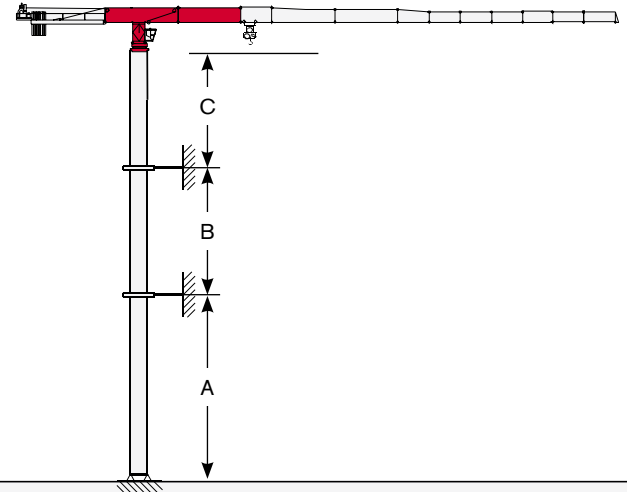
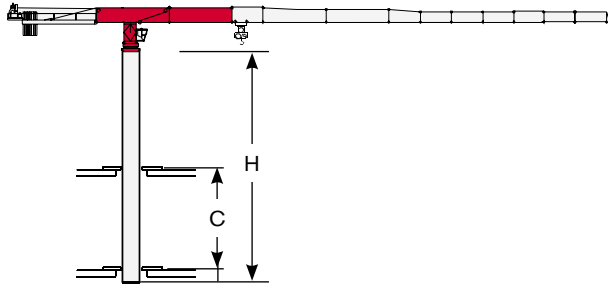
Different heights and tower combinations are available; please consult us • Andere Höhen und Turmkombinationen auf Anfrage • Différentes hauteurs et combinaisons de tour sont disponibles; nous consulter • Hay diferentes alturas y combinaciones de torre disponibles. Consulté- nos • Altezze diverse e combinazioni di torre sono disponibili; consultateci



## Other configurations · Aufstellmöglichkeiten · Autres Implantations · Otras Implantaciones · Altre Installazioni

Bottom climbing crane · Kletterkran im Gebäude · Télescopage sur dalles · Telescopage grúa trepadora · Gru climbing

Crane tied to the structure · Geankerter Kran · Grue ancrée · Grúa anclada · Gru ancorata



**Tower: HD23-26**

C min	H max
45.9 ft	157.5 ft
52.5 ft	177.2 ft
59.1 ft	196.9 ft
68.9 ft	216.5 ft

**Tower: HD23-26**

	min	max
A	137.8 ft	196.9 ft
B	98.4 ft	118.1 ft
C	118.1 ft	







# MECHANISMS

Antriebe · Mécanismes · Mecanismos · Meccanismi






Power supply · Stromversorgung ·

Alimentation · Suministro eléctrico · Alimentazione

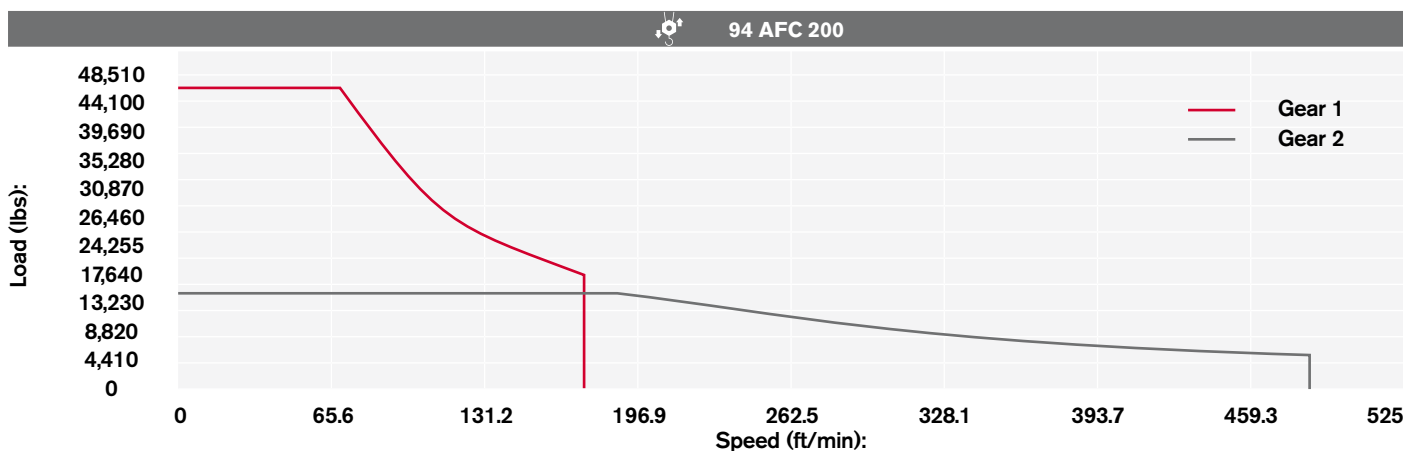
				
	94 AFC 200 D2	200 kVA*	400V - 50Hz / 460V - 60Hz	2000/14/CE modificata

\* Crane without travelling equipment – Three movements simultaneous at 90% · Krane ohne Schienenfahren – Drei gleichzeitige Bewegungen mit 90% · Grue sans translation – Trois mouvements simultanés à 90% · Grúa sin traslación – Tres movimientos contemporáneos hechos al 90% · Gru senza traslazione – Tre movimenti contemporanei al 90%

Hoisting · Heben · Levage · Elevación · Sollevamento







			lbs	ft/min		kW	
	94 AFC 200 D2 (Vector 2)		44,092	0 ➔ 68.9	1°	94	1,568.3 ft
			16,535	0 ➔ 170.6			
			14,110	0 ➔ 190.3	2°		
			4,409	0 ➔ 479			
			88,185	0 ➔ 36.1	1°		
			33,069	0 ➔ 85.3			
			28,219	0 ➔ 95.1	2°		
			8,818	0 ➔ 239.5			

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage ·  
Velocidad de Elevación · Velocità' di Sollevamento




Additional Specifications · Weitere Leistungsdaten ·

Spécifications additionnelles · Otras prestaciones · Altre movimentazioni

	DVF 5 15 D1	0 → 288.7 ft/min	15 kW
	SCC 2 2 132 P	0.67 r.p.m.	2 x 18 kW
	TSR 4RG 4M8	39.4 → 78.7 ft/min (50 Hz) 45.9 → 91.9 ft/min (60 Hz)	4 x 59 ft·lb
	TVF 4RT 4M9	0 → 68.9 ft/min	4 x 9 kW
			

Tower height max.

		T6
	TSR 4RG 4M8	175.9 ft
	TVF 4RT 4M9	>175.9 ft




# TRANSPORTATION

**CTT 721-40 HD23**

**Transport · Transport · Conducción · Trasporto**

## Packing list

CTT 721 -40 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	8x8 m UNDERCARRIAGE STRUT MOUNTING TOWER SECTION	9.5 ft	9.5 ft	9.5 ft	1	20,176 lbs
	8x8 m UNDERCARRIAGE STRUT	14.1 ft	1 ft	7.4 ft	4	4,013 lbs
	8x8 m UNDERCARRIAGE INTERNAL BEAM	13.1 ft	0.5 ft	1.1 ft	4	463 lbs
	8x8 m UNDERCARRIAGE EXTERNAL BEAM	19.6 ft	1 ft	1.1 ft	4	1,380 lbs
	10x10 m UNDERCARRIAGE STRUT MOUNTING TOWER SECTION	9.8 ft	9.8 ft	10.2 ft	1	23,042 lbs
	10x10 m LEFT + RIGHT UNDERCARRIAGE STRUT	18.7 ft	8.5 ft	2.3 ft	2 left + 2 right	8,434 lbs
	CROSSBEAM FOR TRAVELLING 10x10 m UNDERCARRIAGE	23 ft	7.2 ft	1.3 ft	2	4,476 lbs
	10x10 m UNDERCARRIAGE ELECTRICAL BOX SUPPORT PLATFORM FOR TVF 4RT 4M9 TRAVELLING DRIVE UNIT	18.7 ft	7.2 ft	7.9 ft	1	2,867 lbs
	10x10 m UNDERCARRIAGE ELECTRICAL BOX SUPPORT PLATFORM FOR TSR 4RG 4M8 TRAVELLING DRIVE UNIT	18.4 ft	6.9 ft	12.1 ft	1	1,422 lbs
	TOWER SECTION HD23 26.6	19.7 ft	8 ft	7.6 ft	1	14,273 lbs*
	TOWER SECTION HD23 22.6	19.7 ft	7.5 ft	7.5 ft	1	10,635 lbs*
	TOWER SECTION HD23 22.3	9.8 ft	7.5 ft	7.5 ft	1	5,623 lbs*
	SLEWING UNIT	8.2 ft	9.8 ft	8.8 ft	1	34,178 lbs

\* inclusive of ladders, platforms and assembly equipment

\*\* inclusive of tie-bars and safety rails


\*\*\* inclusive of trolley winch and accessories

\*\*\*\* ballast plates not included



# TRANSPORTATION

Transport · Transport · Conducción · Trasporto

CTT 721 -40 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	CAB SUPPORT PLATFORM	18,2 ft	6,1 ft	8,8 ft	1	4,410 lbs
	CAB TOWER SECTION	8,4 ft	7,1 ft	10,8 ft	1	8,379 lbs
	COUNTERJIB "1B"	23,5 ft	2,9 ft	6,1 ft	1	9,482 lbs**
	COUNTERJIB "3B"	38,3 ft	3,6 ft	7 ft	1	13,010 lbs**
	JIB SECTION-19 19TT19 25.12	39,4 ft	8,3 ft	6.1 ft	1	27,563 lbs***
	JIB SECTION-20 20TT19 25.12	33,7 ft	8,4 ft	6,1 ft	1	14,553 lbs
	JIB SECTION-21 21TT19 23.10	33,8 ft	6,1 ft	8,3 ft	1	10,805 lbs
	JIB SECTION-22 22TT19 23.10	33,9 ft	6,1 ft	8,2 ft	1	8,820 lbs
	JIB SECTION-04 TT19 23.05	16,4 ft	6,1 ft	8,2 ft	1	3,969 lbs
	JIB SECTION-05 TT19 23.10	32,8 ft	6,1 ft	8,2 ft	1	5,954 lbs
	JIB SECTION-06 TT19 20.10	33,8 ft	6,1 ft	7,2 ft	1	4,256 lbs
	JIB SECTION-07 TT1920.05	17,3 ft	6,1 ft	7,2 ft	1	1,985 lbs
	JIB SECTION-08 TT1917.05	17,2 ft	6,1 ft	6,1 ft	1	1,720 lbs
	JIB SECTION-09 TT1917.05	17,1 ft	6,1 ft	6,1 ft	1	2,073 lbs







\* inclusive of ladders, platforms and assembly equipment

\*\* inclusive of tie-bars and safety rails

\*\*\* inclusive of trolley winch and accessories

\*\*\*\* ballast plates not included



CTT 721 -40 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	JIB SECTION-10 TT1917.05	17 ft	6.1 ft	6.1 ft	1	1,147 lbs
	JIB SECTION-11 TT1917.05	16.9 ft	6.1 ft	6.1 ft	1	997 lbs
	JIB POINT	7 ft	4.1 ft	5.2 ft	1	783 lbs
	JIB TROLLEY 32-40 t	8.5 ft	7.5 ft	5.1 ft	1	1,985 lbs
	4-PART LINE HOIST BLOCK 32 t	5.9 ft	2.3 ft	6.6 ft	1	2,503 lbs****
	HOIST WINCH 94 AFC 200 D2 (VECTOR 2) (without rope)	15 ft	8.4 ft	8.2 ft	1	15,986 lbs

## Notes · Notizen · Note · Apunte · Appunti

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Effective Date: June 2010.

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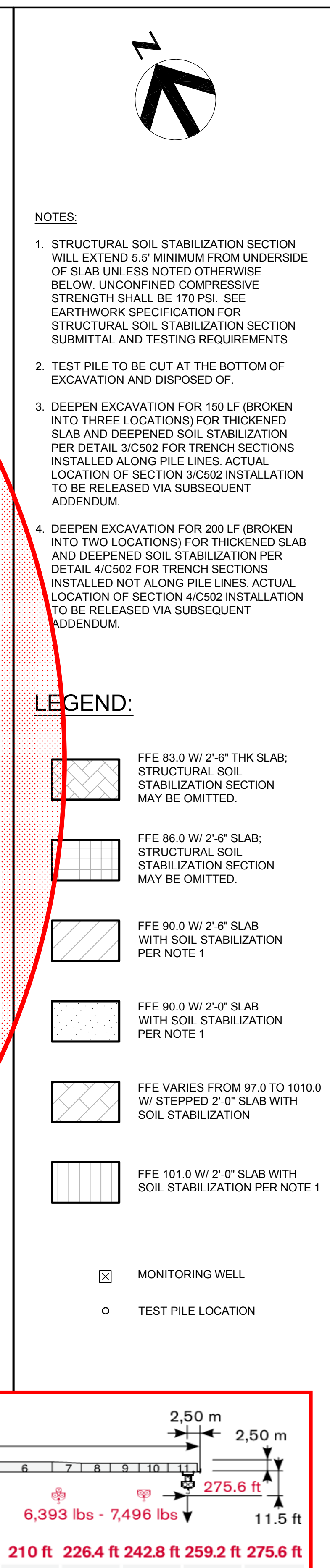
Brochure Reference: TC-DS-IMP-E/F/G/I/S-CTT721-40 HD23-06/10





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DESIGNED BY: D. MURBACH DATE: 3/18 DRAWN BY: P. VAN MEURS DATE: 3/18 CHECKED BY: - DATE: - PROJECT No: 1004-8652 E.I.E. AS NOTED INITIAL:		<b>NEW STRUCTURE FOOTING PLAN</b> <b>SOIL STABILIZED AREAS</b>  <b>San Mateo WWTP Nutrient Removal and Wet Weather Flow</b> <b>Management Upgrade and Expansion Project</b> City Project GMP-1 No. 46T003	<b>PRELIMINARY</b> <b>NOT FOR</b> <b>CONSTRUCTION</b> <b>OR</b> <b>RECORDING</b>		REV. NO.	DESCRIPTION	BY	DATE
					A	100% SUBMITTAL	DM	3/28/19





Quote prepared by: Chris Whittle  
Cell (707) 815-6880 • Office (707) 644-3731  
c.whittle@morrow.com

## Equipment Lease Quote

# AME-12855

Printed 08/28/2019

Page 1 of 2

Lessee	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

### Mailing Address

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

### Project Location

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #1 (west)  
Revision 1

Morrow Equipment Co., LLC, (hereinafter "Lessor") leases to Sundt Construction (hereinafter "Lessee") for use at the project location mentioned above for the following equipment (hereinafter "equipment"):

### Equipment: 630 EC-H 20/40 Litronic

Initial Height: 100' Final Height: 100' Radius: 267  
One (1) Liebherr model 630 EC-H 20 Litronic Freestanding Tower Crane.  
Tower sections for a freestanding hook height of 100 feet.  
Jib sections for a working hook radius of 267 feet from center line of tower.  
Mac capacity of 44,090 lbs. to a radius of 93 feet from center line of tower, in LM2 Mode.  
Tip capacity of 12,790 lbs. at 267 feet from center line of tower.  
Morrow can arrange for required Independent Third Party Inspection, \$7,000 per job site visit.  
Annual post erection NDT inspections, estimated two (2) included in rental rate.

### Rental Price: \$28,000.00

Per month, excluding sales, use, personal property taxes, permits, licenses, and fees which are Lessee's responsibility. Lessee shall pay the rental on the first of each month in advance, without offset or counterclaim at Lessor's office as set forth above. A deposit retained until project completion equal to two (2) month's rent shall be paid upon acceptance of order.

The rental rate is based on metered usage up to 260 hours cumulative. Hours over 260 are billable at \$77.78 per hour with no reduction for use less than 260 hours per month based on operated hours. Rent begins on initial shipment of equipment to Lessee but not later than two (2) weeks after Approximate Delivery Date (unless delay is caused by Lessor's sole fault). Rent shall end upon return of equipment to Lessor's yard in good operating condition subject to Guaranteed Minimum Rental Period. First and last month's rent calculated on a prorated daily basis. Shipping at Lessee's Cost and Risk.

**Inbound Freight:** \$18,000.00

**Outbound Freight:** \$14,000.00

**Personal Property Tax:** \$0.00

**Approximate Delivery Date** 10/01/2020  
(14 days advance written notice required)

**Foundation Anchors:** \$16,550.00

**Insured Value:** \$1,511,600.00

**Guaranteed Minimum Rental Period:** 36 months

### Other Items

- Monthly rental price based on calendar month. Hours of usage to be accumulative for duration of job. Hours used over 260 hours per month to be billed at \$77.78 per hour, plus tax
- Lessee to provide foundation according to specifications provided by Morrow.
- Lessee to provide power (480 volt, 60 cycle, 3 phase, 200 amp) to equipment base, with fused disconnect, prior to commencement of erection.
- Morrow will provide technical assistance during the erection, climbing, retorque, dismantle, third party and OSHA inspections only, for the following rate. Standard published rates apply to all other billing.
  - \$180.00 per hour Monday through Friday, 7:30 am to 4:00 pm
  - \$210.00 per hour Monday through Friday for hours worked before 7:30 am or after 4:00 pm
  - \$210.00 per hour on Saturday.
  - \$240.00 per hour on Sunday and holidays
  - Minimum billing for a Service Technician is two (2) hours weekdays, and four (4) hours Saturdays, Sundays and Holidays
  - \$300.00 plus tax will be billed per site trip (includes mileage, service vehicle, tolls, parking, tools, insurance and travel time for sites within a 50 mile radius of Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile.
  - Technician's time starts and stops at Morrow's American Canyon, CA facility



5. Repair Agreement Trip Charge: \$300.00 plus tax will be billed per site trip (includes mileage, tolls, parking, tools and insurance - does NOT include travel time) for sites within a 50 mile radius of the Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile. Overtime, weekend or Holiday repair work, and delays shall be additionally charged to Customer at standard published rates.

6. Erection, climbing, retorque, dismantle, operation, maintenance, certification and OSHA inspection, insurance and test weights are for Lessee's account.

7. Morrow's enrollment in an OCIP/CCIP/Wrap Insurance program: Contractor shall receive from Morrow all credits due for premiums due under the terms of the OCIP/CCIP/Wrap programs. Should the program, however, require Morrow to provide a waiver of subrogation under its Workers Compensation insurance for on-site exposures there will be an annual charge of \$5,700.00. Should the program require Morrow to provide automobile liability insurance coverage naming the contractor as additional insured and a waiver of subrogation, there will be an annual charge of \$3,800.00.

8. "Sundt Construction - Industrial Group acknowledges that a portion of the rental represents maintenance and service to the equipment in preparation for the project and following its completion unless covered by the Lessee's Equipment Repair Agreement or where invoiced separately."

All amounts stated in this quote are in US Dollars and exclusive of sale/use tax which are Lessee's responsibility and in accordance with Lessor's Equipment Lease Agreement terms. This quote is valid for 30 days from its date and subject to location and availability of equipment.





Quote prepared by: Chris Whittle  
Cell (707) 815-6880 • Office (707) 644-3731  
c.whittle@morrow.com

Erect & Dismantle Quote  
Subcontract Erector  
**AME-12855**

Printed 08/28/2019

Page 1 of 1

Contractor	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

**Mailing Address**

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

**Project Location**

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #1 (west)  
Revision 1

This agreement is between Morrow Equipment Co., LLC, (hereinafter "Morrow"), and Sundt Construction (hereinafter "Erector"). Erector agrees to provide labor, assist crane, equipment, supervision and materials and all other items to erect, retorquer (each), climb (each) and dismantle the equipment specified herein in accordance with the Terms and Conditions attached hereto.

**Equipment: 630 EC-H 20/40 Litronic**

One (1) Liebherr model 630 EC-H 20 Litronic Freestanding Tower Crane.  
Tower sections for a freestanding hook height of 100 feet.  
Jib sections for a working hook radius of 267 feet from center line of tower.  
Mac capacity of 44,090 lbs. to a radius of 93 feet from center line of tower, in LM2 Mode.  
Tip capacity of 12,790 lbs. at 267 feet from center line of tower.  
Morrow can arrange for required Independent Third Party Inspection, \$7,000 per job site visit.  
Annual post erection NDT inspections, estimated two (2) included in rental rate.

**Erect: \$82,000.00**

Scope: Mobile crane must be able to set up within 90 feet from center line of tower crane.

**ReTorque (each): \$3,000.00**

Scope: Includes technician on site, excludes both travel expenses and assist crane (if required).

**Climb (each): \$0.00**

Scope: No climbs required

**Dismantle: \$82,000.00**

Scope: Mobile crane must be able to set up within 90 feet from center line of tower crane.

All amounts are in US Dollars and are exclusive of sales/use tax which are Erector's responsibility. This quote is valid for 30 days from its date and subject to location and availability of equipment.





Quote prepared by: Chris Whittle  
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Repair Quote  
Parts & Labor  
**AME-12855**  
Printed 08/28/2019

Page 1 of 1

Lessee	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

#### Mailing Address

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

#### Project Location

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #1 (west)  
Revision 1

#### Equipment: 630 EC-H 20/40 Litronic

Morrow Equipment Co., L.L.C., (hereinafter "Lessor") and Sundt Construction (hereinafter "Lessee") agree that Lessor will provide technician for technical assistance and equipment parts to repair the above equipment at the above location on the following terms and conditions:

#### Monthly Charge: \$1,500.00 USD plus tax.

The repair rate is based on metered usage up to 260 hours per month. Hours over 260 are \$5.77 per hour with no reduction for use less than 260 hours per month.

#### Trip Charge: \$300.00 USD

Includes travel expenses, service vehicle, and tool charges, excludes air fare, per diem, and travel time. Applies to each jobsite visit. Commences upon delivery and expires on return of the equipment. This agreement must be exercised prior to delivery.

**Term:** This Agreement applies for the duration of the rental period.

**Repairs Provided:** Lessor will provide a service technician for technical assistance and equipment parts (FOB Lessor warehouse) required to repair equipment due to normal wear and tear as requested by Lessee with exceptions set forth below:

#### Not Covered and are Lessee's Responsibility

1. Maintenance; oil changes; lubrication; all adjustments including limit switches, and inspections including those by OSHA, third party inspectors and local authorities.
2. Repairs required due to vandalism, accident, neglect, misuse, improper operation or maintenance, unusual physical stress or weather conditions, fire, flood or Act of God.
3. Overtime, weekend or holiday repair work, and delays which shall be additionally charged to Lessee at standard published rates.
4. Replacement or repair of all wire ropes and electrical cables.
5. Hoisting, and all other items required to perform repairs, labor assistance to Lessor's technician if repair requires more than one person.

#### Other Items

Repair Agreement Trip Charge: \$300.00 plus tax will be billed per site trip (includes mileage, tolls, parking, tools and insurance - does NOT include travel time) for sites within a 50 mile radius of the Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile. Overtime, weekend or Holiday repair work, and delays shall be additionally charged to Customer at standard published rates.

All amounts stated are in US Dollars. This quote is attached and made part of Equipment Lease Quote AME-12855 whose terms and conditions apply.





Quote prepared by: Chris Whittle  
Cell (707) 815-6880 • Office (707) 644-3731  
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## Equipment Lease Quote

# AME-12856

Printed 08/28/2019

Page 1 of 2

Lessee	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

### Mailing Address

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

### Project Location

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #2 (east)  
Revision 1

Morrow Equipment Co., LLC, (hereinafter "Lessor") leases to Sundt Construction (hereinafter "Lessee") for use at the project location mentioned above for the following equipment (hereinafter "equipment"):

### Equipment: 630 EC-H 20/40 Litronic

Initial Height: 157' Final Height: 157' Radius: 267  
One (1) Liebherr model 630 EC-H 20 Litronic Freestanding Tower Crane.  
Tower sections for a freestanding hook height of 157 feet.  
Jib sections for a working hook radius of 267 feet from center line of tower.  
Mac capacity of 44,090 lbs. to a radius of 93 feet from center line of tower, in LM2 Mode.  
Tip capacity of 12,790 lbs. at 267 feet from center line of tower.  
Morrow can arrange for required Independent Third Party Inspection, \$7,000 per job site visit.  
Annual post erection NDT inspections, estimated two (2) included in rental rate.

### Rental Price: \$28,000.00

Per month, excluding sales, use, personal property taxes, permits, licenses, and fees which are Lessee's responsibility. Lessee shall pay the rental on the first of each month in advance, without offset or counterclaim at Lessor's office as set forth above. A deposit retained until project completion equal to two (2) month's rent shall be paid upon acceptance of order.

The rental rate is based on metered usage up to 260 hours cumulative. Hours over 260 are billable at \$77.78 per hour with no reduction for use less than 260 hours per month based on operated hours. Rent begins on initial shipment of equipment to Lessee but not later than two (2) weeks after Approximate Delivery Date (unless delay is caused by Lessor's sole fault). Rent shall end upon return of equipment to Lessor's yard in good operating condition subject to Guaranteed Minimum Rental Period. First and last month's rent calculated on a prorated daily basis. Shipping at Lessee's Cost and Risk.

**Inbound Freight:** \$18,000.00

**Outbound Freight:** \$14,000.00

**Personal Property Tax:** \$0.00

**Approximate Delivery Date** 10/01/2020  
(14 days advance written notice required)

**Foundation Anchors:** \$16,550.00

**Insured Value:** \$1,511,600.00

**Guaranteed Minimum Rental Period:** 36 months

### Other Items

- Monthly rental price based on calendar month. Hours of usage to be accumulative for duration of job. Hours used over 260 hours per month to be billed at \$77.78 per hour, plus tax
- Lessee to provide foundation according to specifications provided by Morrow.
- Lessee to provide power (480 volt, 60 cycle, 3 phase, 200 amp) to equipment base, with fused disconnect, prior to commencement of erection.
- Morrow will provide technical assistance during the erection, climbing, retorque, dismantle, third party and OSHA inspections only, for the following rate. Standard published rates apply to all other billing.
  - \$180.00 per hour Monday through Friday, 7:30 am to 4:00 pm
  - \$210.00 per hour Monday through Friday for hours worked before 7:30 am or after 4:00 pm
  - \$210.00 per hour on Saturday.
  - \$240.00 per hour on Sunday and holidays
  - Minimum billing for a Service Technician is two (2) hours weekdays, and four (4) hours Saturdays, Sundays and Holidays
  - \$300.00 plus tax will be billed per site trip (includes mileage, service vehicle, tolls, parking, tools, insurance and travel time for sites within a 50 mile radius of Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile.
  - Technician's time starts and stops at Morrow's American Canyon, CA facility



5. Repair Agreement Trip Charge: \$300.00 plus tax will be billed per site trip (includes mileage, tolls, parking, tools and insurance - does NOT include travel time) for sites within a 50 mile radius of the Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile. Overtime, weekend or Holiday repair work, and delays shall be additionally charged to Customer at standard published rates.

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7. Morrow's enrollment in an OCIP/CCIP/Wrap Insurance program: Contractor shall receive from Morrow all credits due for premiums due under the terms of the OCIP/CCIP/Wrap programs. Should the program, however, require Morrow to provide a waiver of subrogation under its Workers Compensation insurance for on-site exposures there will be an annual charge of \$5,700.00. Should the program require Morrow to provide automobile liability insurance coverage naming the contractor as additional insured and a waiver of subrogation, there will be an annual charge of \$3,800.00.

8. "Sundt Construction - Industrial Group acknowledges that a portion of the rental represents maintenance and service to the equipment in preparation for the project and following its completion unless covered by the Lessee's Equipment Repair Agreement or where invoiced separately."

All amounts stated in this quote are in US Dollars and exclusive of sale/use tax which are Lessee's responsibility and in accordance with Lessor's Equipment Lease Agreement terms. This quote is valid for 30 days from its date and subject to location and availability of equipment.





Quote prepared by: Chris Whittle  
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Erect & Dismantle Quote  
Subcontract Erector  
**AME-12856**  
Printed 08/28/2019

Page 1 of 1

Contractor	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

**Mailing Address**

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

**Project Location**

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #2 (east)  
Revision 1

This agreement is between Morrow Equipment Co., LLC, (hereinafter "Morrow"), and Sundt Construction (hereinafter "Erector"). Erector agrees to provide labor, assist crane, equipment, supervision and materials and all other items to erect, retorque (each), climb (each) and dismantle the equipment specified herein in accordance with the Terms and Conditions attached hereto.

**Equipment: 630 EC-H 20/40 Litronic**

One (1) Liebherr model 630 EC-H 20 Litronic Freestanding Tower Crane.  
Tower sections for a freestanding hook height of 157 feet.  
Jib sections for a working hook radius of 267 feet from center line of tower.  
Mac capacity of 44,090 lbs. to a radius of 93 feet from center line of tower, in LM2 Mode.  
Tip capacity of 12,790 lbs. at 267 feet from center line of tower.  
Morrow can arrange for required Independent Third Party Inspection, \$7,000 per job site visit.  
Annual post erection NDT inspections, estimated two (2) included in rental rate.

**Erect: \$82,000.00**

Scope: Mobile crane must be able to set up within 90 feet from center line of tower crane.

**ReTorque (each): \$3,000.00**

Scope: Includes technician on site, excludes both travel expenses and assist crane (if required).

**Climb (each): \$0.00**

Scope: No climbs required

**Dismantle: \$82,000.00**

Scope: Mobile crane must be able to set up within 90 feet from center line of tower crane.

All amounts are in US Dollars and are exclusive of sales/use tax which are Erector's responsibility. This quote is valid for 30 days from its date and subject to location and availability of equipment.





Quote prepared by: Chris Whittle  
Cell (707) 815-6880 • Office (707) 644-3731  
c.whittle@morrow.com

Repair Quote  
Parts & Labor  
**AME-12856**  
Printed 08/28/2019

Page 1 of 1

Lessee	Project	Date
Sundt Construction	San Mateo Waste Water Plant	08/28/2019

#### Mailing Address

Sundt Construction - Industrial Group  
2620 South 55th Street  
Tempe, AZ 858282

#### Project Location

San Mateo Waste Water Treatment Plant  
2050 Detroit Drive  
San Mateo, CA 94404  
Crane #2 (east)  
Revision 1

#### Equipment: 630 EC-H 20/40 Litronic

Morrow Equipment Co., L.L.C., (hereinafter "Lessor") and Sundt Construction (hereinafter "Lessee") agree that Lessor will provide technician for technical assistance and equipment parts to repair the above equipment at the above location on the following terms and conditions:

#### Monthly Charge: \$1,500.00 USD plus tax.

The repair rate is based on metered usage up to 260 hours per month. Hours over 260 are \$5.77 per hour with no reduction for use less than 260 hours per month.

#### Trip Charge: \$300.00 USD

Includes travel expenses, service vehicle, and tool charges, excludes air fare, per diem, and travel time. Applies to each jobsite visit. Commences upon delivery and expires on return of the equipment. This agreement must be exercised prior to delivery.

**Term:** This Agreement applies for the duration of the rental period.

**Repairs Provided:** Lessor will provide a service technician for technical assistance and equipment parts (FOB Lessor warehouse) required to repair equipment due to normal wear and tear as requested by Lessee with exceptions set forth below:

#### Not Covered and are Lessee's Responsibility

1. Maintenance; oil changes; lubrication; all adjustments including limit switches, and inspections including those by OSHA, third party inspectors and local authorities.
2. Repairs required due to vandalism, accident, neglect, misuse, improper operation or maintenance, unusual physical stress or weather conditions, fire, flood or Act of God.
3. Overtime, weekend or holiday repair work, and delays which shall be additionally charged to Lessee at standard published rates.
4. Replacement or repair of all wire ropes and electrical cables.
5. Hoisting, and all other items required to perform repairs, labor assistance to Lessor's technician if repair requires more than one person.

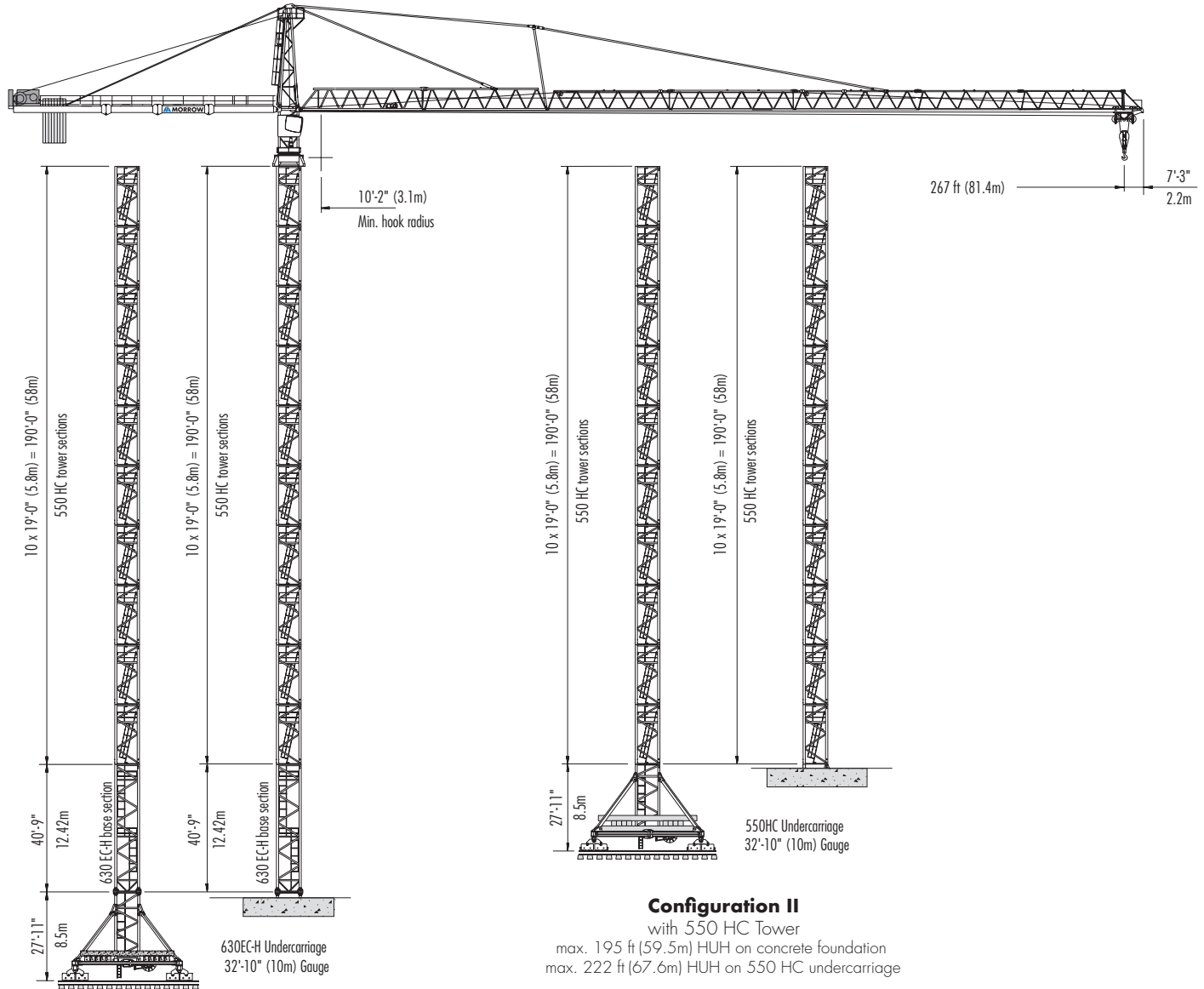
#### Other Items

Repair Agreement Trip Charge: \$300.00 plus tax will be billed per site trip (includes mileage, tolls, parking, tools and insurance - does NOT include travel time) for sites within a 50 mile radius of the Morrow yard. Trips in excess of 50 miles will be billed at a rate of \$1.80 per mile. Overtime, weekend or Holiday repair work, and delays shall be additionally charged to Customer at standard published rates.

All amounts stated are in US Dollars. This quote is attached and made part of Equipment Lease Quote AME-12856 whose terms and conditions apply.

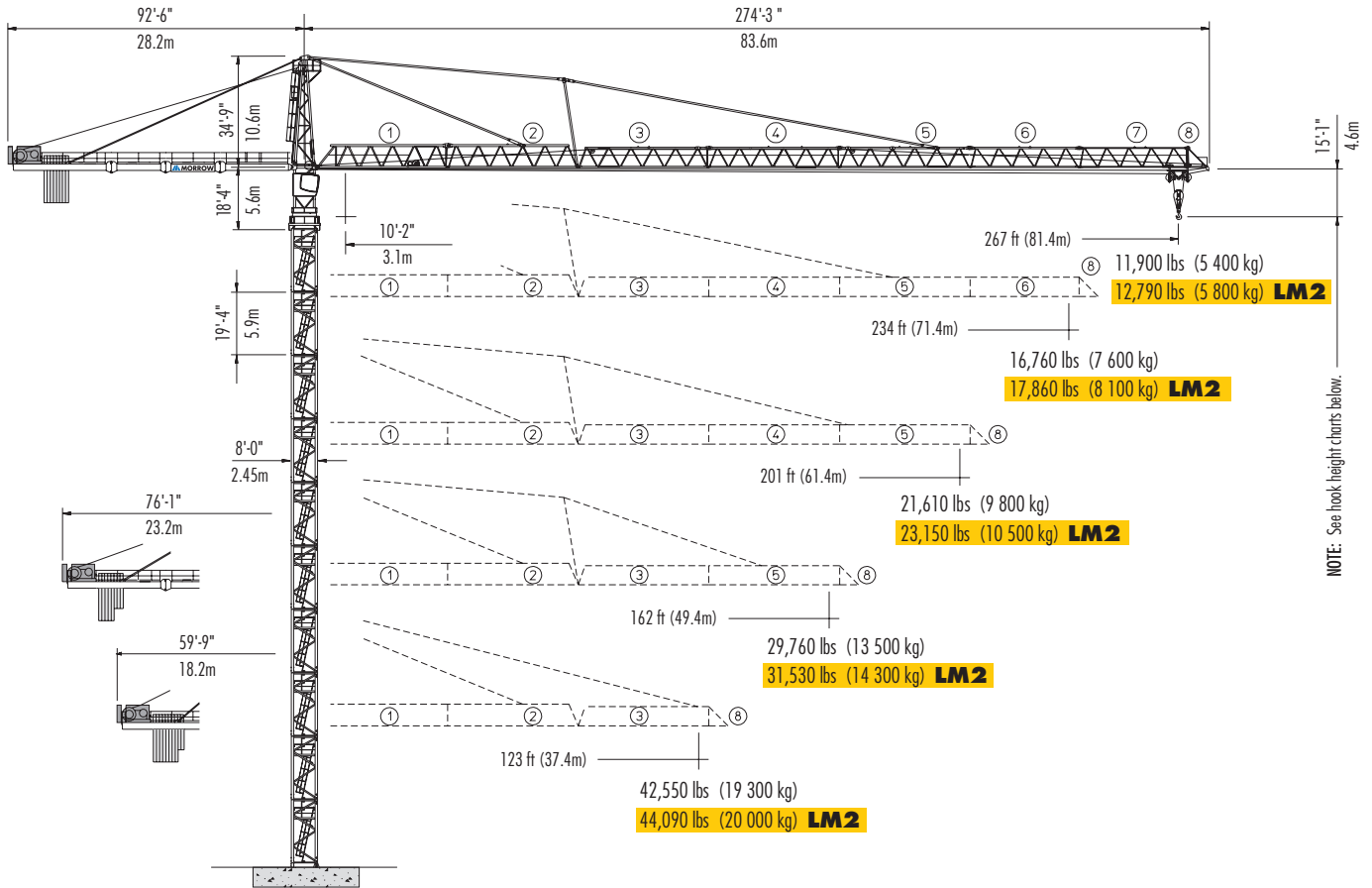


# 630 EC-H 20 Litronic® LIEBHERR Hammerhead Tower Crane



**FREESTANDING**  
Travelling and Stationary





## FREESTANDING with 550 HC Tower Sections on concrete slab

### Hook Heights

No. of Tower Elements	Tower Configuration I	Hook Height Concrete Foundation		Hook Height 10m Undercarriage		No. of Tower Sections	Tower Configuration II	Hook Height Concrete Foundation		Hook Height 10m Undercarriage	
		ft	m	ft	m			ft	m	ft	m
1	630ECH BTS	45	13.7	72	22	1	550HC TS	24	7.2	51	15.4
2	550HC TS	64	19.5	91	27.8	2	550HC TS	43	13.1	70	21.2
3	550HC TS	83	25.3	110	33.6	3	550HC TS	62	18.9	89	27
4	550HC TS	102	31.1	129	39.4	4	550HC TS	81	24.7	108	32.8
5	550HC TS	121	36.9	148	45.2	5	550HC TS	100	30.5	127	38.6
6	550HC TS	140	42.7	167	51	6	550HC TS	119	36.3	146	44.4
7	550HC TS	159	48.5	186	56.8	7	550HC TS	138	42.1	165	50.2
8	550HC TS	178	54.3	205	62.6	8	550HC TS	157	47.9	184	56
9	550HC TS	197	60.1	224	68.4	9	550HC TS	176	53.7	203	61.8
10	550HC TS	216	65.9	243	74.2	10 <sup>1</sup>	550HC TS	195	59.5	222	67.6
11 <sup>1</sup>	550HC TS	235	71.7	262	80						

<sup>1</sup> Lower top climbing unit to base of crane prior to operating at maximum hook height.

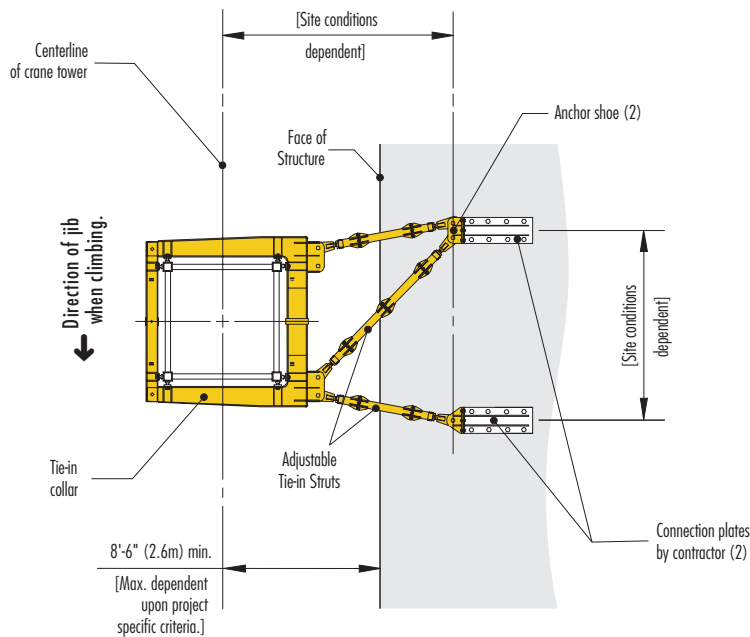
NOTE: Contact Morrow for specific information regarding alternate tower configurations, special jib assemblies, alternate foundation details, dimensions, reaction forces and slab opening requirements.

Please consult 630 EC-H 20 Litronic Operations Manual before erecting, operating, servicing or dismantling crane.



Consult Operations Manual before erecting, operating, servicing or dismantling crane.

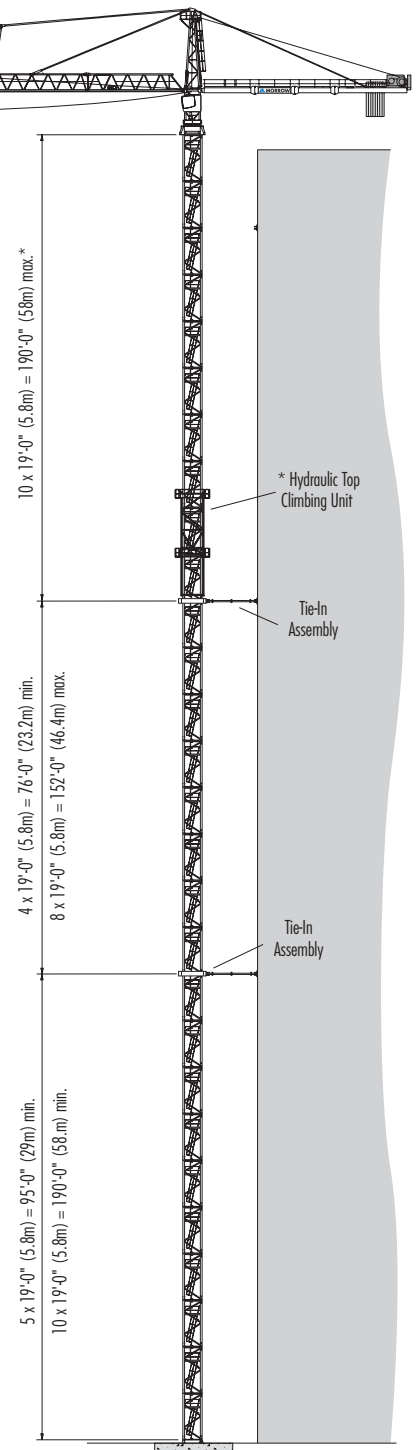
\* NOTE: Lower the top climbing unit to the uppermost tie-in prior to operating crane at maximum hook height.



## TIE-IN ASSEMBLY

Plan view

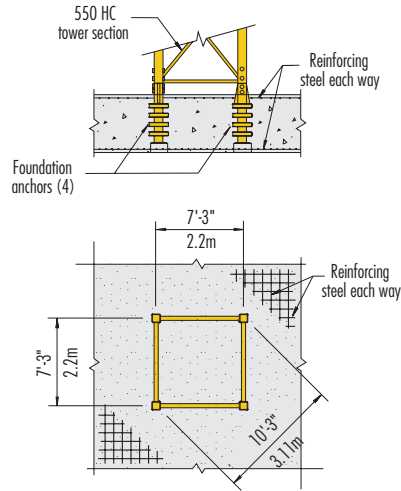
**NOTE:** The tie-in assembly shown above is an example of a typical installation. Please note, however, that factors determining the installation of tie-in assemblies may vary due to project specific requirements.



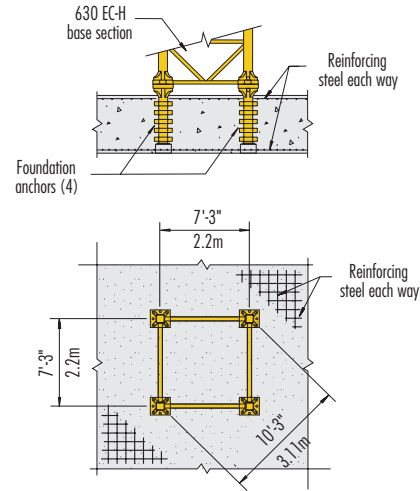
## TOP CLIMBING

with 550 HC Tower Sections  
Tied to structure





**with 550 HC Tower Section**  
on concrete slab



**with 630 EC-H Base Section**  
on concrete slab

2-Part Line	Hook Radius	Jib tip Radius	Maximum Capacity – Radius	ft m	10 3.1	49 15	66 20	82 25	98 30	123 37.4	148 45	162 49.4	180 55	201 61.4	213 65	234 71.4	246 75	267 81.4
	267 ft 81.4m	274'-3" 83.6m	44,090 lbs – 88 ft 20 000 kg – 26.73m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	39,040 17 710	30,750 13 950	24,980 11 330	22,400 10 160	19,710 8 940	17,220 7 810	16,030 7 270	14,200 6 440	13,290 6 030	11,900 5 400
	234 ft 71.4m	241'-6" 73.6m	44,090 lbs – 100 ft 20 000 kg – 30.54m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	35,540 16 120	28,970 13 140	26,060 11 820	23,020 10 440	20,170 9 150	18,830 8 540	16,760 7 600	LM 1	
	201 ft 61.4m	208'-8" 63.6m	44,090 lbs – 106 ft 20 000 kg – 32.28m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	37,830 17 160	30,890 14 010	27,820 12 620	24,580 11 150	21,610 9 800				
	162 ft 49.4m	169'-4" 51.6m	44,090 lbs – 113 ft 20 000 kg – 34.41m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	40,370 18 310	33,030 14 980	29,760 13 500						
	123 ft 37.4m	129'-11" 39.6m	44,090 lbs – 119 ft 20 000 kg – 36.16m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	42,550 19 300								
2-Part Line	267 ft 81.4m	274'-3" 83.6m	44,090 lbs – 93 ft 20 000 kg – 28.22m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	41,360 18 760	32,630 14 800	26,540 12 040	23,830 10 810	21,010 9 530	18,390 8 340	17,130 7 770	15,210 6 900	14,260 6 470	12,790 5 800
	234 ft 71.4m	241'-6" 73.6m	44,090 lbs – 106 ft 20 000 kg – 32.19m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	37,590 17 050	30,690 13 920	27,650 12 540	24,430 11 080	21,450 9 730	20,040 9 090	17,860 8 100	LM2	
	201 ft 61.4m	208'-8" 63.6m	44,090 lbs – 113 ft 20 000 kg – 34.37m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	40,300 18 280	32,980 14 960	29,720 13 480	26,300 11 930	23,150 10 500				
	162 ft 49.4m	169'-4" 51.6m	44,090 lbs – 119 ft 20 000 kg – 36.26m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	42,660 19 350	34,940 15 850	31,530 14 300						
	123 ft 37.4m	129'-11" 39.6m	44,090 lbs – 123 ft 20 000 kg – 37.4m	lbs kg	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000	44,090 20 000								

**IMPORTANT:** Litronic® cranes are equipped with Liebherr's state of the art PLC system that provides precise monitoring, control and coordination of all crane functions. This feature also permits a load increase of up to 10% as illustrated in the heavy lift mode (LM2 ) chart above. Heavy lift mode is permitted only when wind speed is less than 31 mph (50 kph). Contact Morrow for more information regarding the many features of the 630 EC-H 20 Litronic tower crane.



## Hoist Speed and Capacity

Hoist Unit	2-Part Line				LM 1
147 hp (110 kW) FC hoist unit Variable frequency drive (VFD) 3-speed electromagnetic gear shifting  6L - 237	Speed	Capacity	Line Speed	Capacity	Line Speed
	1	up to 44,090 lbs up to 21,605 lbs	@ 89 fpm @ 157 fpm	up to 20 000 kg up to 9 800 kg	@ 27 m/min @ 48 m/min
	2	up to 25,355 lbs up to 11,245 lbs	@ 151 fpm @ 266 fpm	up to 11 500 kg up to 5 100 kg	@ 46 m/min @ 81 m/min
	3	up to 14,110 lbs up to 4,850 lbs	@ 253 fpm @ 459 fpm	up to 6 400 kg up to 2 200 kg	@ 77 m/min @ 140 m/min

**IMPORTANT:** Capacities and line speeds indicated will vary depending on the amount of hoist wire rope installed. This crane model may be equipped with a hoist unit other than that specified in the data shown above. To verify, check serial number and refer to 630 EC-H 20 Litronic Operation Manual for additional information.

## Motor Information

Drive Unit	Horsepower	Kilowatts	Speed	
Trolley (FC)	14.7 hp	11 kW	0 – 223 fpm	0 – 68 m/min
Swing (fluid coupling)	2 x 14.2 hp	2 x 10.6 kW	0.6 rpm	
Traveling (fluid coupling)	4 x 10 hp	4 x 7.5 kW	82 fpm	25.0 m/min

## Power Requirements

**Power supply:** 3-phase 480 V, 60 Hz; 3-wire plus ground; no Neutral.

480 V phase-phase, 277 V each phase to ground with 120° phase shift between phases.

**Service size:** 200 Amperes



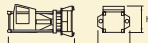
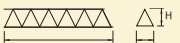



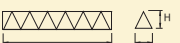

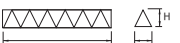

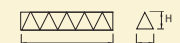





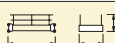
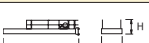
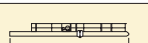
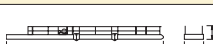


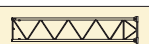





### NOTES:

1. For electric power provided by an electric utility, do not use open Delta transformers.
2. For electric power provided by a generator, the minimum generator size required is 200 kW. Verify the generator provided is suitable for use with variable frequency drives (VFDs). A properly sized generator is critical to the safe operation of the crane.

Specifications subject to change without prior notice. For additional information, contact MORROW.



## Component List

Description	Dimensions L x W x H	Weight	Description	Dimensions L x W x H	Weight
Tower Top <sup>1</sup>	 34'-3" x 5'-11" x 7'-3" 10.44m x 1.8m x 2.2m	15,540 lbs 7 050 kg	Jib Butt Section ① #611	 40'-5" x 6'-6" x 7'-10" 12.31m x 1.99m x 2.38m	14,770 lbs 6 700 kg
Slewing Assembly (Complete) <sup>2</sup>	 21'-3" x 9'-9" x 10'-5" 6.47m x 2.98m x 3.17m	48,280 lbs 21 900 kg	Jib Section ② #621	 40'-3" x 5'-10" x 7'-4" 12.28m x 1.77m x 2.23m	9,040 lbs 4 100 kg
Slewing Assembly Upper Part <sup>3</sup>	 15'-11" x 9'-10" x 9'-10" 4.85m x 3m x 3m	22,490 lbs 10 200 kg	Jib Section ③ #631	 40'-2" x 5'-10" x 6'-7" 12.25m x 1.77m x 1.99m	6,610 lbs 3 000 kg
Slewing Ring	 11" x 7'-3" x 7'-3" 0.28m x 2.22m x 2.22m	6,615 lbs 3 000 kg	Jib Section ④ #632	 40'-3" x 5'-10" x 6'-6" 12.27m x 1.77m x 1.97m	5,840 lbs 2 650 kg
Slewing Ring Support	 4'-11" x 9'-5" x 10'-4" 1.51m x 2.87m x 3.16m	14,550 lbs 6 600 kg	Jib Section ⑤ #633	 40'-3" x 5'-10" x 6'-6" 12.27m x 1.77m x 1.97m	6,060 lbs 2 750 kg
Slewing Gears (2) (each)	 6'-11" x 2'-0" x 2'-0" 2.12m x 0.6m x 0.6m	2,200 lbs 1 000 kg	Jib Section ⑥ #634	 33'-10" x 5'-10" x 6'-5" 10.3m x 1.77m x 1.96m	3,615 lbs 1 640 kg
Slewing Unit Access Platforms	 3'-3" x 3'-7" x 3'-7" 1.0m x 1.1m x 1.1m	880 lbs 400 kg	Jib Section ⑦ #635	 33'-8" x 5'-10" x 6'-4" 10.25m x 1.77m x 1.95m	2,625 lbs 1 190 kg
AC Hoist Unit (FC) <sup>4</sup> 147 hp (110 kW)	 9'-10" x 7'-8" x 8'-4" 2.99m x 2.33m x 2.54m	12,150 lbs 5 510 kg	Jib Tip Section ⑧ #641	 8'-5" x 6'-4" x 7'-5" 2.56m x 1.94m x 2.25m	1,190 lbs 540 kg
Counterjib Section 1 <sup>5</sup> (Inner)	 22'-8" x 6'-6" x 6'-5" 6.9m x 1.98m x 1.96m	7,720 lbs 3 500 kg	Jib Assembly (Part 1) <sup>10</sup> for 157-ft to 262-ft jibs	①② 79'-6" x 7'-2" x 7'-10" 24.22m x 2.19m x 2.38m	39,020 lbs 17 700 kg
Counterjib Section 2 <sup>5</sup> (Intermediate)	 17'-1" x 6'-3" x 6'-5" 5.2m x 1.9m x 1.96m	6,610 lbs 3 000 kg	Jib Assembly (Part 2) <sup>11</sup> 267-ft (81.4m)	③④⑤⑥⑦⑧ 192'-1" x 6'-4" x 7'-5" 58.54m x 1.94m x 2.25m	29,100 lbs 13 200 kg
Counterjib Section 3 <sup>5</sup> (Outer)	 34'-5" x 7'-7" x 8'-2" 10.5m x 2.32m x 2.48m	13,230 lbs 6 000 kg	Jib Assembly (Part 2) <sup>11</sup> 234-ft (71.4m)	③④⑤⑥⑧ 159'-3" x 6'-4" x 7'-5" 48.54m x 1.94m x 2.25m	26,010 lbs 11 800 kg
Counterjib A <sup>6</sup> (1-3)	 56'-5" x 9'-4" x 8'-2" 17.2m x 2.84m x 2.48m	26,240 lbs 11 900 kg	Jib Assembly (Part 2) <sup>11</sup> 201-ft (61.4m)	③④⑤⑧ 126'-5" x 6'-4" x 7'-5" 38.54m x 1.94m x 2.25m	22,050 lbs 10 000 kg
Counterjib B <sup>7</sup> (1-2-3)	 72'-10" x 9'-4" x 8'-2" 22.2m x 2.84m x 2.48m	32,850 lbs 14 900 kg	Jib Assembly (Part 2) <sup>11</sup> 162-ft (49.4m)	③⑤⑧ 87'-0" x 6'-4" x 7'-5" 26.54m x 1.94m x 2.25m	15,430 lbs 7 000 kg
Counterjib C <sup>8</sup> (1-2-2-3)	 89'-3" x 9'-4" x 8'-2" 27.2m x 2.84m x 2.48m	39,460 lbs 17 900 kg	Jib Assembly (Part 1A) <sup>12</sup> for 123-ft (37.4m) jib	①② 79'-5" x 7'-2" x 7'-10" 24.22m x 2.19m x 2.38m	36,820 lbs 16 700 kg
Tower Section 550 HC (Pin/Pin)	 20'-7" x 8'-0" x 8'-0" 6.28m x 2.45m x 2.45m	14,300 lbs 6 485 kg	Jib Assembly (Part 2A) <sup>13</sup> 123-ft (37.4m)	③⑧ 47'-8" x 6'-4" x 7'-5" 14.54m x 1.94m x 2.25m	9,040 lbs 4 250 kg
Base Section 630 EC-H (P/B)	 40'-9" x 8'-10" x 8'-10" 12.42m x 2.68m x 2.68m	31,965 lbs 14 500 kg	Counterweight Block A	 4'-6" x 11" x 9'-10" 1.37m x 0.28 x 3m	6,350 lbs 2 880 kg
Top Climbing Unit <sup>9</sup> w/hydraulics	 40'-9" x 9'-1" x 10'-4" 12.42m x 2.77m x 3.16m	22,420 lbs 10 170 kg	Counterweight Block C	 4'-6" x 11" x 13'-7" 1.37m x 0.28 x 4.15m	8,730 lbs 3 960 kg
Trolley	 10'-8" x 6'-8" x 8'-5" 3.25m x 2.02m x 2.57m	1,920 lbs 870 kg	Hook Block	 2'-8" x 1'-8" x 9'-10" 0.8m x 0.5m x 3m	2,130 lbs 965 kg

NOTE: Weights and dimensions are approximate. Scale components before lifting. Please consult Operations Manual before erecting, operating, servicing or dismantling crane.

<sup>1</sup> Tower Top includes ladder, service platforms and pendants.

<sup>2</sup> Slewing Assembly Complete includes operator's cab, 2 slewing gears, slewing ring, slewing ring support, 2 service platforms and 4 climbing shoes. To facilitate erection/dismantling process, the Slewing Assembly can be broken down into various components. See 630EC-H Operations Manual.

<sup>3</sup> Slewing Assembly Upper Part includes operator's cab. Does not include slewing gears.

<sup>4</sup> Includes hoist unit, electrical panel and handrails. Does not include wire rope.

<sup>5</sup> Counterjib sections include handrails and hardware.

<sup>6</sup> Counterjib A includes counterjib sections 1 & 3, handrails, hardware, D-block, and pendant bars.

<sup>7</sup> Counterjib B includes counterjib sections 1, 2 and 3, handrails, hardware, D-block, and pendants.

<sup>8</sup> Counterjib C includes counterjib sections 1, 2 (2) and 3, handrails, hardware, D-block, and pendants.

<sup>9</sup> Can be broken down into two panels.

<sup>10</sup> Jib Assembly (Part 1) includes jib sections, A-frame, pendant bars with pins & plates, and trolley with 20t hook block.

<sup>11</sup> Jib Assemblies (Part 2) include jib sections, pendant bars with pins and plates.

<sup>12</sup> Jib Assembly (Part 1A) includes jib sections, pendant bars with pins & plates, and trolley with 20t hook block.

<sup>13</sup> Jib Assembly (Part 2A) includes jib sections, pendant bars with pins and plates.





Date December 10, 2019

Estimator Kelvin Love

**Sundt**

Attn: Andre Castaneda  
2620 S. 55<sup>th</sup> Street  
Tempe, AZ 85282

RE: SMWTTP GMP 2 (Revised)

Subject: Excavation of an additional pit. Placement of AB/Drain rock on pad

Evans Brothers Inc. (EBI), a general engineering, demolition, and remediation contractor, proposes to furnish all equipment, labor, material, license, insurance and taxes to perform the following work at the above referenced site per the following:

*Reference Documents*

Sundt Noted Drawings/Sketches 53S202, 53S5301, 53S302 (004), GMP1\_C221 222, Sheet 52S404 as noted by Sundt.

**Scope of Proposal**

*ON SITE*

- Excavate and off haul from the site an additional 10' below the proposed Subgrade from GMP 1 at the location shown on the above drawings.
- Off haul material to an approved dump site.
- Plate shoring to be installed by shoring contractor.
- Supply and install a 4" (lean concrete) rat slab at the bottom of the excavation.

**Lump Sum Price \$209,156.00**

- Excavate and off haul from the site, the elevator pit. Shoring is by others. Total excavation for the elevator pit is 13'-4" x 10'-9" x 7' deep. Price includes off haul of materials, installing a 4" (lean concrete) Rat Slab as well as 1 pump to pump storm water out of the bottom. Pump will include 100 lf of discharge hose and 200 lf of extension cord.

**Lump Sum Price \$30,100.00**

*Add Alt #1:*

- *Import place and compact 4" of recycled AB over the lime treated sub-grade at the bottom of the excavation.*

**Lump Sum Price \$103,410.00**

*Add Alt #2:*

- *Import place and compact 4" of ¾" recycled drain rock over the lime treated sub grade at the bottom of the excavation*

**Lump Sum Price \$159,350.00**

*Both above Add Alt prices do not include removal and off haul of the material. Removal at time of pile placement to be by others. Off haul to be determined at a later date.*

*Add Alt #3:*

- *While place the rat slab in the bottom of the excavation, leave to depressed areas to act as*



**EVANS BROTHERS INC.**

7589 NATIONAL DRIVE  
LIVERMORE, CA 94550-8801  
CONT. LIC. 443018



sumps for water. Supply and install 2-2" trash pumps, connect to French drain at closest point (with in 100') Supply 2-100' extension cords to connect to electricity.

**Lump Sum Price**

**\$3,500.00**

Add Alt #4:

- Load, off haul and dispose of Drilling Spoils from installation of the piles. It is understood that these spoils will be lime treated material. Does not include any additional bay mud. Hauled to Ox Mountain Landfill

**Unit Price**

**\$1,550.00/LD**

Unless otherwise explicitly stated as included in the above outlined scope of work, this proposal is subject to all of the following exclusions and clarifications.

#### Exclusions

- Handling/removal of contaminated, hazardous, asbestos containing, refrigerant, mold or other regulated material or soil.
- Permits or fees
- Surveys, testing, staking, or monitoring.
- Engineering or layout.
- Removal of adhered walls or foundations.
- Utility disconnects, capping, relocation, temporary, removal, fees.
- Shoring, bracing or underpinning and sheeting.
- Storm Water Prevention Plan, design reporting, monitoring or maintenance.
- Subsidence.
- L&H and Jones Act insurance coverage.
- Enclosures, weather proofing, painting, patching and sealing of any kind.
- Wet weather/condition grading.
- Petromat in/under asphalt paving.
- Sanitary sewer and water connection demolition.
- Relocation of light standards.
- Adjusting, lowering, paving around, or patching for underground/utility castings.
- Demolition of existing structures, UON.
- Dewatering of any kind, ripping & turning or chemical treatment of wet materials for soils drying.
- Export of strippings. Export.
- Fine grading of lots/parking lot islands or landscape areas.
- Landscape excavation. Landscape restoration.
- Off-site work.
- Sanitation facilities.
- Pile/caisson extraction/removal.
- Removal/handling of spoils from other trades.
- Rock excavation.
- Speed bumps or asphalt wheel chair ramps.
- Street signs, striping or monuments.
- Termite/insect/weed control.
- Tree trimming/protection.
- Trench excavation, structural excavation or backfill.
- Underground demolition.
- Underground storage tank removal or well capping.
- Soil moisture maintenance after completion of excavation/grading operation.
- Excavation for thickened/deepened edges of concrete curbs, sidewalks, or slabs.
- Site Security.
- Traffic Control beyond flagging for our own work.
- Labor Agreements beyond Operating Engineers Local 3 & Northern California Laborers Unions.
- Retention.
- Bond Cost (if required add 1-3%).
- Liquidated or Consequential damages in excess of \$1,000 per day.
- OCIP deductibles in excess of \$5,000 per occurrence.



# EVANS BROTHERS INC.

7589 NATIONAL DRIVE  
LIVERMORE, CA 94550-8801  
CONT. LIC. 443018



- *Import fill, UON. Import or grading of topsoil.*
- *Sub-drains, UON.*
- *Sub-excavation, over-excavation, and re-compaction, UON.*

## *Clarifications:*

1. Proposal based on reaching a mutually agreed upon schedule and contract of which the language of this proposal shall be incorporated. Work shall be scheduled such that said Work shall be a minimum of 8 hours and based on conditions of items 5 and 11 below.
2. Any indemnity extended by Evans Brothers shall be limited to the extent that the claim results from the work performed by Evans Brothers. Evans Brothers will not indemnify any party that is actively or passively at fault or for any misconduct by others.
3. Water, power, and sanitation facilities to be supplied by the Owner or General Contractor at no cost to EBI.
4. All monies due thirty-five days after completion of our work and right to discontinue work for non-payment of monthly progress/extra work billing after 45 days of General's established billing cut-off date.
5. Work based on (1) rough grade move in. Work to be performed in (1) Phase. Additional demolition/grading mobilizations are \$4800 per occurrence.
6. Work to be performed during normal work hours on normal work days.
7. Includes two million dollars in General Liability and Automobile Insurance.
8. Proposal is good for 30 days.
9. All salvage becomes the property of Evans Brothers, Inc.
10. EBI to be provided unimpeded access to our work to facilitate the work with heavy equipment and machinery. Clear access to work to be given at all times.
11. Pricing based on a continuous uninterrupted operation.
12. Asphalt pricing based on current energy conditions (liquid asphalt oil @ \$355/ton). Adverse effects on energy marketplace could affect final asphalt pricing.
13. Traffic (vehicular/pedestrian) control limited to non-electronic signage, flaggers, cones and/or barricades for EBI ingress/egress. Specifically excluded are police officers, k-rails, fences, canopies, and safety railing.
14. General to provide parking/permits for this sub-contractor.
15. Pricing figured on diesel fuel at \$3.50 per gallon.
16. Should Extra Work be requested of EBI when EBI is not working on site, General/Owner agrees to pay for 8-hour minimum on all crew, equipment, mobilizations charges, and overhead and profit for said Extra Work.
17. Pricing based on Specs not seen.
18. Bio-swales and fine lot grading are not included in the above scope of work.
19. Excess soils to be off-hauled by this contractor are figured to be clean, non-regulated and can be taken to any public landfill or used as unrestricted fill material.
20. All excess material will be off hauled and legally disposed of. We have assumed all material is **Non-Regulated / Unrestricted** soil free of debris and does not contain any contaminants of concern above the SWRCB risk based screening level for residential use. Analytical data in accordance with DTSC Fill Testing Protocol for stockpiled soil to be provided by others at no cost to EBI



**EVANS BROTHERS INC.**

7589 NATIONAL DRIVE  
LIVERMORE, CA 94550-8801  
CONT. LIC. 443018



All of the terms, exclusions, and clarifications contained in the proposal are an integral part of the scope and related pricing. Acceptance of this proposal implies acceptance of all the terms and any contract or agreement deriving from this proposal shall incorporate the exclusions and clarifications. The terms and conditions herein stated shall supersede any conflicting provisions of a subcontract agreement or purchase order.

We appreciate the opportunity to provide you with this proposal. Feel free to contact us if we can be of further assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kelvin Love", is written over a light blue horizontal line.

Kelvin Love  
Evans Brothers Inc.



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>	<b>Evans Brothers</b>
Contact Name:	Kelvin Love
Phone:	(925) 443-0225
Qualification:	
Last Response Date:	12/15/2019
Subcontractor Quote:	<b>\$ 510,606.00</b>

**General Information**

**Questions**

Response

**Project Scope**

2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	Yes
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>	<b>Evans Brothers</b>
Contact Name:	Kelvin Love
Phone:	(925) 443-0225
Qualification:	
Last Response Date:	12/15/2019
Subcontractor Quote:	<b>\$ 510,606.00</b>
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to disqualification.	(a) Bidder agrees to all the terms and conditions of the Sample Form of Agreement
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	Kelvin Love
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	See Proposal
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	See Proposal
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	See Proposal
3.4 - Shop drawing and submittal preparation lead time:	NA
3.5 - Fabrication & delivery lead time:	NA



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>	<b>Evans Brothers</b>
Contact Name:	Kelvin Love
Phone:	(925) 443-0225
Qualification:	
Last Response Date:	12/15/2019
Subcontractor Quote:	<b>\$ 510,606.00</b>
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	NA
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	15%
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	15%
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	15%
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	15%
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	0
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	0
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	0
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>	
Contact Name:	Evans Brothers
Phone:	Kelvin Love
Qualification:	(925) 443-0225
Last Response Date:	12/15/2019
Subcontractor Quote:	\$ 510,606.00

2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	Yes
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	Yes
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	Yes
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	Yes

**Code Scope**

All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	Yes
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**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>	
Contact Name:	Evans Brothers Kelvin Love
Phone:	(925) 443-0225
Qualification:	
Last Response Date:	12/15/2019
Subcontractor Quote:	<b>\$ 510,606.00</b>
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	Yes
Subcontractor will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	Yes
the intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	
Subcontractor will participate in Sundt Construction scheduling meetings including all required Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Subcontractor shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.	Yes
Subcontractor shall comply with project Storm Water Pollution Prevention Plan (SWPPP) as pertains to their Work. Project specific SWPPP requires Best Management Practices (BMPs) to be in place prior to any excavation. BMP coordination is the responsibility of the Subcontractor. Subcontractor shall protect all SWPPP BMP installations from damage and repair any damage to BMPs caused by Subcontractor's actions.	Yes
Cleanup of work area to be completed daily. Subcontractor is required to maintain a neat and orderly work area free of debris.	Yes
similar to the WBS as shown on the bid breakdown. Scope progress and payment progress will be based on rules of credit developed in conjunction with Sundt upon award of contract. Upon award subcontractor will provide adequate cost breakdown as required to fill out progress tracking reports.	Yes
Project Specific - As a bay area project, the City of San Mateo has requested that we utilize, to the greatest extent possible, "local" labor. Upon award, the selected subcontractor for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	Yes
Project Specific - The City of San Mateo is considering implementation of a Project Labor Agreement (PLA) on the project. Should the City of San Mateo decide to implement the PLA, subcontractor will be allowed to review PLA terms and provide any cost adjustments needed.	Yes



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3100 - Earthwork**



<b>Companies:</b>		<b>Evans Brothers</b>
Contact Name:		Kelvin Love
Phone:		(925) 443-0225
Qualification:		
Last Response Date:		12/15/2019
Subcontractor Quote:		<b>\$ 510,606.00</b>
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Subcontractor will adhere to all requirements of the California Department of Industrial Relations including labor rates and apprenticeship requirements. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	Yes	
applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here: <a href="https://www.epa.gov/wifia/wifia-resources#handbook">https://www.epa.gov/wifia/wifia-resources#handbook</a>	Yes	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Subcontractor shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils. Comments:	Yes	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day and \$2,500 per day for Final Completion. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes	

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Unit Price	\$ Total
Excavate and Haul off BioActiflo Area		LS	1	\$ 209,156.00	\$ 209,156.00
Elevator Pit		LS	1	\$ 30,100.00	\$ 30,100.00
Import, Place, and Compact 4" of 3/4" Drain Rock over Lime Treated Area		LS	1	\$ 159,350.00	\$ 159,350.00
Supply and Install Trash Pumps at bottom of Rat Slab		LS	1	\$ 3,500.00	\$ 3,500.00
Load, Off Haul and Dispose of Drilling Spoils		LD	70	\$ 1,550.00	\$ 108,500.00



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



<b>Companies:</b>	<b>Clear Creek Systems, Inc.</b>
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>

**General Information**

<b>Questions</b>	<b>Response</b>
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



<b>Companies:</b>	<b>Clear Creek Systems, Inc.</b>
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	
1.1 - By signature below, Bidder acknowledges that it has read Sundt's Attachment 1 Sample Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



<b>Companies:</b>	<b>Clear Creek Systems, Inc.</b>
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



<b>Companies:</b>	
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>

2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	

**Code Scope**

Service provider will ensure all personnel are experienced and qualified to complete the Work. Service provider will also ensure that all employees are legally able to work on the Project Site. Service provider shall supplement construction labor immediately if the Work falls behind the agreed upon schedule at Service Provider's expense.	
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



Companies:	Clear Creek Systems, Inc.
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	
Service provider will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	
the intended work activities. Service provider equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Service Provider shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.	
Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Service provider shall attend other meetings as required to coordinate, plan or otherwise participate with project teams.	
pertains to their Work. Project specific SWPPP requires Best Management Practices (BMPs) to be in place prior to any excavation. BMP coordination is the responsibility of the Service provider. Service provider shall protect all SWPPP BMP installations from damage and repair any damage to BMPs caused by Service provider's actions.	
Cleanup of work area to be completed daily. Service provider is required to maintain a neat and orderly work area free of debris.	
similar to the WBS as shown on the bid breakdown. Scope progress and payment progress will be based on rules of credit developed in conjunction with Sundt upon award of contract. Upon award Service provider will provide adequate cost breakdown as required to fill out progress tracking reports.	
greatest extent possible, "local" labor. Upon award, the selected Service Provider for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



Companies:	Clear Creek Systems, Inc.
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>
Project Specific - The City of San Mateo is considering implementation of a Project Labor Agreement (PLA) on the project. Should the City of San Mateo decide to implement the PLA, Service Provider will be allowed to review PLA terms and provide any cost adjustments needed.	
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Service Provider will adhere to all requirements of the California Department of Industrial Relations. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	
Project Specific - This project is pursuing WIFIA funding. Service provider will review and include applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Service provider will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here:	
Project Specific - Design the appropriate groundwater and stormwater treatment system to meet the permit requirements for discharge to the bay. Please reference Exhibit O for dewatering system preliminary design, permit requirements and system layout.	
Project Specific - The site has limited space available and the space allocated to the treatment system is also limited. Bidder will review site layout drawing and provide a detailed treatment system layout drawing to accommodate limited space. Layout drawing to be provided with bid.	
permit documents and are included in the bidding package. Bidders are to review these documents and provide any mark-ups to show deviations of proposed treatment system from the proposed system provided in the permit documents. If no mark-ups are provided it is assumed that bidder will provide a system equal to what is described in the permit documents.	
Project Specific - Furnish and install the proposed treatment system including treatment facility and piping from treatment system to proposed discharge point.	
Project Specific - Bidder is responsible to ensure that the proposed system meets or exceeds the regulatory permit requirements.	
Project Specific - Maintain and operate the proposed treatment system until excavated areas are ready for backfill (approximately 2 years, see schedule).	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3123 - Groundwater and Storm Water Treatment System**



<b>Companies:</b>	
Contact Name:	Tony Wilson
Phone:	(925) 273-9896
Qualification:	
Last Response Date:	12/19/2019
Subcontractor Quote:	<b>\$539,115.09</b>
Project Specific - The stormwater pre-treatment system requires manual operation with operators required to be onsite as needed.	
Project Specific - Proposed groundwater and stormwater system should be provided with level sensors, alarms and offsite monitoring to ensure timely response.	
Project Specific - Monitor the integrity and operation of the treatment system for the duration of the project.	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes

**Bid Breakdown**

Item Description	UOM	Quantity	\$ Unit Price	\$ Total
Lease/Operation/Maintenance/Regulatory of Ground Water Treatment System per Provided Design	LS	1	\$479,415.00	\$479,415.00
Maintain and monitor system per specs	LS	1	\$15,186.00	\$15,186.00
Taxes	LS	1	\$44,514.09	\$44,514.09





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March 20, 2019

Sundt Construction, Inc.  
2620 S. 55<sup>th</sup> Street  
Tempe, AZ 85282  
Attn: Doug Lenz

RE: San Mateo Waste Water Treatment.

Dear: Mr. Lenz,  
Clear Creek Systems, Inc. (CCS) is pleased to submit this proposal for water treatment services on the San Mateo WWTP, Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project.

**Task1:**

Ground Water Treatment Proposal for 300gpm Range Sediment and VOC filtration system in support of Site Dewatering System. (Capable of up to 500gpm with additional tanks (2), VOC media and vessels (6), and pump increase.)

**Task 1 Outline:**

The system is designed to treat ground water during site dewatering, and construction activities. Water from the dewatering wells will be collected and transferred through a series of 18,000gal treatment tanks for gravity settling and batch filtration through sand filters, for the reduction of suspended sediments followed by treatment through Nine (9) VCC GAC media vessels in a lead / lag /lag configuration for removal of VOC's. Effluent water will be conveyed to the point of discharge.

**Task2:**

Pre-treatment Proposal for 200gpm Range pre-filtration system in support of storm water and sump dewatering operations. (Additional Storage Tanks Listed as Add Option)

**Task 2 Outline:**

The system will be designed to collect water in a series of holding tanks (2) prior to polymer dosing during transfer to a gravity settling tank prior to being introduced into the primary treatment system (See Task1).

**Note: Water Treatment Operator Required for Chemical Dosing.**

This proposal assumes that dewatering wells / sumps and conveyance to the treatment system will be provided by others.

**Note: High water shut-off valve and auto notification system for system safety are included in the base bid SOW.**

Additional components for system safety, labor, and consumables listed as option.  
If you would like an alternate scope of work, please let us know.





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**PROPOSED SCOPE OF WORK INCLUDED**  
**(EITHER AS INCLUDED COMPONENT OR OPTION)**

**TASK 1:**

**1. 300GPM Range Sediment / VOC Filtration System Equipment:**

**Monthly Equipment Rental** **\$15,970.00 /month**

**(Based upon 30-day monthly billing cycle)**

- Three (3) 20,000gal. Settling/Filtration Tanks
- One (1) CCS SF-300DP Sand Media Filter..... **(115v/1phase/20a)**
- Nine (9) CM-72 HPV GAC Media Vessels (Lead / Lag / Lag Vessels)
- Two (2) Filtration Booster Pumps w/Auto Control Panels..... **(15hp/460v/3ph/40a)**
- One (1) Filtration Transfer Pump w/ Auto Control..... **(2hp/460v/1ph/10a)**
- Internal System Manifold. (Pipe, Hose, Valves, and Fittings)
- Three (3) System Flow Meters
- High Water Influent Automatic Shutoff Valve Control.....**(115v/1ph/10a)**
- Cellular Auto Notification Alarm System..... **(115v/1ph/5a)**
- 100' of 6" Discharge Piping (estimated)

**Temporary Power System Add Option:**

- 45 Generator w/spill Guard Containment Berm (3<sup>rd</sup> Shift) \$3,585.00/month
- Generator Fuel Consumption – 4gal/hr. \$300.00/day **(Estimate)**
- Extended Run Fuel Cell \$500.00/month
- Generator Service (200hr. Interval) \$1,500.00/month

**2. Mobilization:** **\$81,395.00 / Lump Sum**

- Transportation of all equipment to the site
- Labor to setup the system
- Initial load of Sand Filter Media
- Initial load VOC Media (**CCS-400 Organo-Clay Media Blend (27,000lbs. Total)**)
- System Startup (**10hrs included in base bid**)
- Reach Lift for Equipment and Materials Handling (**Mobilization**)

**3. Demobilization:** **\$36,800.00 / Lump Sum**

- Transportation of all the equipment away from the site
- Labor to breakdown the system
- Spent GAC Media Sample and Profile
- Vacuum and Disposal of Non-Hazardous **Moveable** Spent VOC Media
- Reach Lift for Equipment and Materials Handling (**Demobilization**)





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- Tank Cleaning **Option:** (Budget Estimate Listed Under Optional Equipment and Service)
- 4. System Monitoring / Maintenance:**

- Weekly Inspection and VOC Media Backwash Recommended. **\$680.00/week**

**Note:** WTO may perform these tasks during CESF Pre-Treatment Operations.

**Replacement VOC Consumables:**

HS-250 Organo-Clay Media (3,000lbs/vessel increase or replace) **2.65/lb. (+tax) \***

\*Media pricing is for turnkey service and includes vacuum of loose Moveable media, and non-hazardous disposal.

**VOC Media Change Out Recommended Budget Estimate:**

HS-250 Organo-Clay Media (4 x Lead Vessel Changes) **\$108,000 Budget**





**Task 2:**

**Note: Requires System Operator**

**1a. 200GPM Range CESF Pre-Filtration System Equipment:**

**Monthly Equipment Rental** **\$12,600.00 /month**

**(Based upon 30-day monthly billing cycle)**

- Three (3) 20,000gal. Batch Tanks
- One (1) CESF Monitoring/Control Module
- One (1) SF-150DP Sand Media Filter
- One (1) Filtration Transfer Pump w/Auto Control Panel..... **(5hp/460v/3ph/20a)**
- One (1) Filtration Booster Pump w/Auto Control Panels..... **(10hp/460v/3ph/40a)**
- Polymer Metering System.....**(115v/1ph/10a)**
- Internal System Manifold. (Pipe, Hose, Valves, and Fittings)
- System Flow Meters w/Totalizer
- 100' of 6" Discharge Piping (estimated)

**2a. Mobilization:**

**\$15,625.00 / Lump Sum**

- Transportation of all equipment to the site
- Labor to setup the system
- Initial Tote of Floc-Clear Bio-Polymer (285gal Tote / 2% Solution)
- System Startup (10hrs included in base bid)
- Reach Lift for Equipment and Materials Handling **(Included with Task1)**

**3a. Demobilization:**

**\$8,730.00 / Lump Sum**

- Transportation of all the equipment away from the site
- Labor to breakdown the system
- Tank Cleaning **Option:** (Budget Estimate Listed Under Optional Equipment and Service)
- Reach Lift for Equipment and Materials Handling **(Included with Task1)**

**4a. Pre-Filtration operational labor rate schedule: (Prevailing Wage)**

	<b><u>Regular:</u></b>	<b><u>Overtime:</u></b>	<b><u>Double Time:</u></b>
<b>Labor</b>	<b>\$75.00</b>	<b>\$112.50</b>	<b>\$150.00</b>
<b>Supervisor</b>	<b>\$95.00</b>	<b>\$142.50</b>	<b>\$190.00</b>

Note:





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Single system operator will be billed at Supervisor rate above.

**Consumables for Pre-Filtration Operation:**

(Note: All consumable media pricing is +Tax)

- Tote of 2% Floc-Clear Chitosan Polymer (275-gal Tote) **\$2,775.00ea.**
- Co2 Dewar (for pH adjustment if required) **\$685.00ea.**

Estimate for Bid Purpose: **\$12,470.00 Budget**

**Note: Permit Fees, Engineering Documents, and Reporting \$ Excluded**  
(Client is responsible for all permits/fees)

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**Additional Equipment, Service, and Labor Schedule as Options:**

**Optional Equipment:**

45 KVA Backup Power with Auto Transfer Switch	\$2,575.00/monthly cycle
Generator Containment Berm	\$280.00/monthly cycle
Additional CM-72 GAC Media Vessels (2 vessels per 100gpm)	\$900.00/monthly cycle
System Booster Pumps as Backup	\$950.00/monthly cycle
Sump Dewatering Pump System (Requires Gravel Annulus)	\$700.00ea./monthly cycle
Additional Piping to and from Treatment Area	\$300.00 per 100'/monthly
Additional 20,000gal System Tanks	\$960.00/monthly cycle
Additional Mobilization	\$650.00/Each Load
Additional Demobilization	\$650.00/Each Load
Tank Cleaning Service ( <b>Budget Estimate</b> )	\$2,800.00/Each Tank

**Additional Monitoring or operational needs labor rate schedule: (Prevailing Wage)**

	<b><u>Regular:</u></b>	<b><u>Overtime:</u></b>	<b><u>Double Time:</u></b>
<b>Labor</b>	<b>\$75.00</b>	<b>\$112.50</b>	<b>\$130.00</b>
<b>Supervisor</b>	<b>\$95.00</b>	<b>\$142.50</b>	<b>\$170.00</b>
<b>Manager</b>	<b>\$115.00</b>	<b>\$172.50</b>	<b>\$230.00</b>





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**The above equipment designs are based upon our experience with similar types of contaminants and/or operations, but without a pilot test it is impossible to guarantee field performance and lifespan of media. When conducted, pilot tests only indicate performance under a specific set of conditions. Changes in field conditions or operating parameters can alter field performance. Actual water treatment rates and efficiencies will depend upon the influent water quality.**

We look forward to working with you and would like to thank you for the opportunity to bid on this project.

Please do not hesitate to contact me with any questions you may have.

My cell phone is (408) 693-7279.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tony Wilson', is written over a light gray circular background.

Tony Wilson  
Regional Project Coordinator  
Clear Creek Systems, Inc.





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## QUALIFICATIONS

1. The client is responsible for determining the necessary flow rates, storage capacity and number of settling/storage/pretreatment tanks necessary to meet their project needs.
2. Permits, easements, permission to encroach, etc. unless otherwise stated will be the responsibility of the client.
3. This proposal is valid for 60 days.
4. Equipment is subject to availability at time of order.
5. This proposal includes work M-F, 10hr work window.
6. This system is designed solely to reduce sediment and VOC's. Unless specifically included in the scope of work above, any other contaminants are beyond the scope of the proposal and therefore not included.
7. All requests for additional work to be performed must be submitted in writing.
8. If temporary power generation or self-powered pumps are required, the rates for generators and diesel pumps are based upon single shift rates of an average of up to 40 hours per week. If the generator or pumps averages between 40 and 80 hours per week, then the rate is 1.5 times the listed rate. If the generator averages more than 80 hours per week, then the rate is 2.0 times the listed rate. Servicing generators and diesel pumps is not included in this proposal. Metered equipment service needs to be performed every 200 hours of operation.
9. The client is responsible to provide fuel and service to power generation equipment for operations. CCS can provide these services if requested to do so at a rate of cost plus 15%.
10. Access and egress for vehicles, and equipment normally used in these types of operations will be available to the area.
11. CCS personnel will have unrestricted access to and from our area of operation during mobilization, normal operating conditions, and demobilization. Delays in access will be an additional cost.
12. CCS personnel can monitor the system or train your designated personnel to do so.
13. While there is flexibility in equipment layout, there will be sufficient room for surge/settling tanks, or basins, and filtration equipment.
14. If tanks are used instead of basins, they must be cleaned prior to return. If the client wants CCS to provide this work, a quote can be generated as the project nears completion and an idea of the cleaning requirements is available. **TANK CLEANING IS NOT INCLUDED IN THIS PROPOSAL.**
15. The client is responsible for disposal of sludge, sand filter media, and used filter elements.
16. Replacement consumables are FOB Livermore, CA and listed prices do not include applicable taxes or delivery charges.
17. Equipment rates do not include freeze protection.
18. Settlement monitoring and damages caused by settlement are excluded.
19. Restoration of work zones is excluded.
20. Obstructions, excavation and demolition operations are excluded.
21. Testing, handling, removal, disposal, etc. of hazardous materials are excluded.
22. Power required to operate dewatering system is excluded.
23. Surveying, layout, control, settlement monitoring, and "As-Built" drawings are excluded.
24. Traffic control, flaggers, barricades, etc. are not included.
25. Water (costs associated with hydrant-use fees or permits), or disposal are not included.
26. Temporary erosion and sediment control measures are excluded.
27. Location, potholing, protection, repairs, and/or relocation of existing utilities is excluded.
28. There will be no retention or bond requirements on our part.
29. Our current insurance levels are sufficient for this project: \$2,000,000 GL per event and aggregate; \$1,000,000 Auto; and \$1,000,000 Workers Comp. We also have a \$5million dollar umbrella.
- 30. No warranties about the suitability of this proposal for this project without a pilot test are being made.**





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## **TERMS and CONDITIONS**

### **EXHIBIT #1**

This proposal is subject to the inclusions of the following Terms and Conditions being incorporated into any Contract/Subcontract Agreement. These Terms and Conditions will control in the event of any inconsistency between the terms of this proposal and any subsequent agreement.

**This document contains our terms and conditions for rental and of equipment, materials, parts, and service.**

1. **Billing:** Billing for rental of equipment will be monthly on the rental agreement date until termination of rental; billing for service—including mobilization, setup, demobilization, technician services, and transportation—will be upon rendering of service; billing for sales of consumables or replacement parts will be as provided. Unless specified otherwise in the proposal, all billings are due 30 days from the date of Clear Creek Systems, Inc. (CCS) invoice, a Finance Charge at the rate of 1.5% per month, (18% annual rate) will be added to amounts not paid when due. CCS will not accept “pay when paid” or “paid if paid” payment terms. Rental begins when the equipment leaves CCS’s facility and ends when equipment is returned. Unless stated otherwise, two weeks’ notice is required for demobilization of treatment systems.

2. **Operating Schedule:** A monthly rental rate is based upon a 28-day rental cycle. Unless stated otherwise, a week is one third of a monthly billing cycle and a day is one third of a weekly billing rate. The rates for generators and diesel pumps are based upon single shift rates of an average of up to 40 hours per week. If the generator or pump averages between 40 and 80 hours per week, then the rate is 1.5 times the listed rate. If the generator or pump averages more than 80 hours per week, then the rate is 2.0 times the listed rate. Servicing generators and diesel pumps is not included in this proposal. They need to be serviced every 150 hours of operation. We will provide this service at cost plus 15% profit if requested to do so.

3. **Equipment Supply:** Unless stated otherwise in the proposal scope of work, the quoted rates do not include electrical connections to the equipment, electrical power supply, for the equipment, internal piping between the equipment components, piping to and from the equipment, or equipment to off load and load the equipment at the site such as forklifts or cranes. The equipment will be returned to CCS in the same condition less normal wear and tear and at least as clean as delivered to the Rentee. The Rentee is responsible for the removal and proper disposal of all media, solids, filters, water and decontamination as needed unless specified otherwise in the proposal. Equipment not properly cleaned or damaged will remain on rent until it is properly cleaned and/or repaired. In addition, labor rates will apply to clean or recondition equipment to a serviceable condition. Equipment is subject to availability at the time of the order. Any requests to hold material will be done with the rent starting on the date of the request to hold the equipment. The Rentee is responsible to provide an acceptable pad base and size for the equipment and access for the types of vehicles and equipment normally used in these types of operations. Unless specifically stated in the proposal, freeze protection for equipment is EXCLUDED from all pricing and proposals.

4. **Service:** CCS will furnish a technical representative to monitor the equipment if it is requested to do so. Labor billing is portal to portal, including mileage, from the designated CCS facility. Saturday work and work over 8 hours per weekday or past normal work hours if not scheduled in advance will be billed at 1.5 times the regular labor rate for that person. Sunday, holiday, work past 12 hours on a weekday or 8 hours on a Saturday will be billed at 2.0 times the regular labor rate for that person. Per diem rates will be applicable for all personnel traveling outside of their standard service areas at our standard per diem rates unless other rates are listed in the proposal. All travel costs such as air fare, hotels, and rental cars will be billed at cost plus 15%. Labor will be billed at our current labor rates at the time of the proposal unless other rates are provided in the proposal. Labor rates are subject to change annually or when prevailing rates and/or union rates change, if applicable. Equipment technicians provided by CCS for monitoring are not considered a covered trade for prevailing wage, union staffing requirements, or certified payroll unless otherwise stated in the proposal. CCS must be informed of any applicable prevailing wage, union, and/or certified payroll requirements in writing prior to the preparation of the proposal. If proper notification of union workers, prevailing wages, and/or certified payroll is not provided our listed rates including mobilization, monitoring and demobilization are subject to change to reflect the additional costs.

5. **Client Operations:** If Rentee elects to provide their own equipment technician(s), the Rentee; 1. is responsible for operating the equipment in accordance with the Operation & Maintenance manuals (O & M manuals) for the equipment—including but not limited to any operating parameters; 2. Shall monitor, inspect, maintain, and keep adequate records as per the O & M manuals and any inspection and/or maintenance logs provided by CCS; 3. Replace any normal wear items at their own costs for the parts and labor. Examples of normal wear items include pH sensor probes, grease and lubricating oils, pump impellers, and oil filters. If the Rentee elects to provide equipment technicians, CCS reserves the right to send its technicians to the site to review equipment operations and maintenance practices. Such site visits will be conducted at CCS’s costs if not part of a service agreement, and in no way relieve the Rentee from their responsibility to operate and maintain the equipment as per the O & M manuals.

6. **Materials:** All filtration media and/or consumable items such as polymer and filter bags or cartridges are sold on a no return/no refund basis. Any agreement to take back any unused materials must be agreed to in writing prior to the time of proposal acceptance/agreement including material condition requirements and any restocking fees.

7. **Site Access:** CCS personnel will have unrestricted access to and from our area of operation during, monitoring, mobilization, and demobilization. If there are any safety training requirements that are greater than one half hour for each person and notice of the safety requirements are not provided prior to the proposal, additional time for safety training will be an additional charge at the personnel labor rate and category for the project.

8. **Warranty:** CCS warrants that the equipment leased hereunder, when properly used and maintained, shall be free from defects of material and workmanship. **THE FOREGOING IS THE EXCLUSIVE WARRANTY GIVEN BY CCS TO RENTEE WITH RESPECT TO THE CONDITION AND OPERATION OF THE EQUIPMENT AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN NO EVENT WILL CCS BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL**





**DAMAGES, WITH THE ONLY EXCEPTION BEING FOR THE NEGELENT ACTIONS OF CCS'S MONITORING PERSONNEL THAT RESULT IN ANY REGULATORY FINES DUE TO UNAUTHORIZED DISCHARGES UNDER CCS'S CONTROL AND THEN THE LIABILITY WILL BE LIMITED TO AMOUNT OF THE FINE MULTIPLIED BY THE PERCENTAGE RESPONSIBILITY OF CCC'S MONITORING PERSONNEL'S FOR THE FINES.** Upon termination of this agreement due to breach hereof by Rentee, this warranty shall thereupon become void and of no further force and effect. CCS shall be allowed reasonable time to make any necessary repairs due to equipment failure covered in this section. The Rentee has the option of renting backup components to avoid any potential downtime due to equipment failure if such an equipment failure could cause material delays or other issues for the Rentee.

9. **Risk of Loss/Return:** Rentee will purchase at CCS's standard sales prices then in effect any equipment not returned within (7) days of the termination of the rental. Rentee assumes and shall bear the entire risk of loss and damage to the equipment from any and every cause whatsoever, normal wear and tear excepted. In the event of loss or damage to the equipment, Rentee, at the option of CCS, shall: (a) pay to CCS the cost of placing the equipment in good repair, condition and working order, or (b) pay to CCS its standard sales price then in effect for such equipment. On such payment, this rental agreement shall terminate with respect to such items of equipment so paid for and Rentee shall become entitled to such equipment in its as-in-condition without any warranty, express, implied, or statutory, with respect to any matter whatsoever.

10. **Indemnification:** Rentee will indemnify CCS and hold CCS harmless from any liability, damage, expense or judgment arising from injury to any person or damage to any property caused by the equipment arising from Rentee's possession use or operation of the equipment or arising from any failure of Rentee to perform any covenant condition or term of this rental agreement to be performed by Rentee. The indemnities and assumptions of liability by Rentee in this paragraph shall continue in full force and effect notwithstanding the termination of the Lease Agreement; whether by expiration by the term or otherwise. CCS shall give the Rentee notice of any claim or liability herby indemnified against, and Rentee shall be entitled to control the defense thereof; in this regard, Rentee agrees to furnish legal counsel to CCS to effect against any such claim or liability herby indemnified against. Rentee is required to give CCS immediate notice of litigation initiated against Rentee or any of its agents, servants, employees or assigns, involving the equipment rented hereunder.

11. **Personal Property;** Unless and until Rentee purchases the equipment pursuant to paragraph 6, the equipment will remain CCS's personal property at all times, irrespective of its location or attachment to real estate and may be removed by CCS at any time after termination of this rental agreement. Rentee will maintain on the equipment at all times signs provided by CCS showing that CCS is the owner thereof and will keep such equipment free and clear from all levies, liens, encumbrances and other claims of its creditors or other persons asserting claims against Rentee. Rentee shall execute and deliver to CCS upon CCS's request a statement in respect of the equipment, in a form satisfactory to CCS, setting forth CCS's and Rentee's respective interests therein. CCS may file either this rental agreement or such statement in the appropriate governmental office for purposes of giving notice to the public of CCS's and Rentee's respective interests in the equipment.

12. **Cancellation and Termination:** This rental agreement may be terminated by CCS at any time and upon such termination CCS may take possession of and remove all equipment. Upon cancellation or termination of this contract under the terms hereof, all obligation that are still executory on both sides are discharged, but any right of CCS based on prior default or performance of Rentee survive, and CCS shall also retain all remedies for default of the whole rental agreement or any unperformed and/or unpaid balances.

13. **Law:** All questions concerning the validity and operation of this rental agreement and performance of the obligations imposed upon the parties hereunder shall be governed by the laws of the State of California, U.S.A.

14. **Taxes:** Rentee shall keep the equipment free and clear of all levies, liens and encumbrances and, for the term of this agreement, shall pay all licenses, fees, registration fees, assessments, charges and taxes (municipal, state and federal), which may now or hereafter be imposed upon the equipment; provided however, that the termination of this rental agreement by reason of Rentee's default hereunder shall not excuse Rentee from any of Rentee's obligations under this rental agreement, including but not limited to the obligations of Rentee under this paragraph. Unless specifically stated otherwise in the proposal, prices do not include any applicable sales/use taxes, HST or GST. Any applicable sales/use taxes will be an additional amount added to invoices unless a valid reseller's certificate is provided to CCS prior to invoicing.

15. **Insurance:** Rentee shall provide and maintain insurance against loss, theft, damage or destruction of the equipment in an amount sufficient to replace any equipment leased or rented at full replacement value with blanket coverage, with loss payable to CCS and its successors or assigns. Such insurance shall not be invalidated by any act, omission or neglect of Rentee. CCS must be named as Loss Payee with respect to rented, leased, or borrowed equipment. Rentee shall promptly furnish proof of such insurance to CCS. This proposal is based upon our existing insurance terms and amounts being sufficient for the project. If any additional levels of insurance (including L&I) or Owner Controlled Insurance Program (OCIP) or WRAP insurance are required, then the costs for the additional insurance or administrative compliance will be an additional cost to the Rentee.

16. **Retention or Bonding:** Proposals exclude retention. If retention is deducted from invoices, then the prices and invoices will be increased by an equal amount of the retention. At the end of the project, the outstanding retention amount will then be credited to the Rentee when all other bills have been satisfactorily paid. CCS will not provide any bonding.

17. **Controlling Terms:** This proposal excludes any terms of Master Contract Agreements between the Rentee and their clients. If there are any conflicts between a Master Agreement and these Terms and Conditions, then these CCS Terms and Conditions will take precedence. CCS will not accept settlements negotiated or change orders negotiated by Rentee with others or unilaterally determined by Rentee nor will CCS be required to Rentee or Rentee's clients (or other entities) decisions if CCS does not agree to them in writing prior to any negotiation.

18. **Payments by CCS:** In the event Rentee fails to procure or maintain Insurance or fees, assessments, charges and taxes, all as hereinbefore specified, CCS shall have the right, but shall not be obligated, to effect such insurance, or pay such fees and assessments, charges and taxes, as the case may be and in such event, the cost thereof shall be repaid by Rentee to CCS with the next ensuing installment of rental coming due hereunder. Rentee's failure to promptly repay CCS shall carry with it the same consequence, including interest at the highest legal rate, as a failure to pay any installment of rent hereunder.

19. **Remedies:** No right or remedy herein conferred upon or reserved to CCS is exclusive of any other right or remedy herein, or by law or equity provided or permitted; but each shall be cumulative of every other right or remedy given to CCS.

20. **Assignment:** Without the prior written consent of CCS first obtained, Rentee shall not (a) assign, transfer or pledge (i) this lease, or (ii) the equipment or any part subject of this lease, or (iii) any interest in this lease or the equipment subject hereof; nor shall Rentee sublet or lend the equipment or any part hereof, or permit the equipment or any part thereof to be used by anyone other than Rentee or Rentee's employees.





21. **Modification:** This instrument constitutes the entire agreement between CCS and Rentee and shall not be modified, amended altered, or changed except by a written agreement first signed by the parties hereto. Waiver by CCS of any provisions hereof in one or more instances shall no waiver as to any other instance.

22. **Limitations / Time to Bring Suit:** Rentee must bring any cause of action for the breach of this agreement by CCS within one year from the date the cause of action accrued.

23. **Default:** If Rentee with regard to any item or items of equipment fails to pay any rent or other amount herein provided with fifteen (15) days after the same is due and payable, or if Rentee with regard to any item or items of equipment fails to observe, keep or perform any other provision of this contract required to be observed, kept or performed by Rentee, CCS, in addition to any other remedies provided by law, shall have the right to exercise any one or more of the following remedies:

- a. Declare the entire amount of rent hereunder immediately due and payable as to any or all items of equipment, without notice or demand to Rentee; and/or
- b. Sue for and recover all rents, and other payments, then accrued or thereafter accruing, with respect to any or all items of equipment: and/or
- c. Take possession of any or all items of equipment, without demand or notice, wherever same may be located, without any court order or other process of law; in this regard Rentee authorizes CCS, its agents, servants, employees and assignees, to enter upon the premises of Rentee for the purpose of taking possession of such equipment. Rentee hereby waives any and all damages occasioned by such taking of possession. Any said taking of possession shall not constitute a termination of this lease as to Rentee's obligations and liabilities as to any or all items of equipment unless CCS expressly so notifies Rentee in writing; and/or
- d. Terminate this lease as to any or all items of equipment; and/or
- e. Pursue any other remedy at law or in equity

Notwithstanding any repossession, or any other action which CCS may take, Rentee shall be and remain liable for the full performance of all obligations on the part of Rentee to be performed under this rental agreement.





## VIA ELECTRONIC MAIL

February 26, 2019

Douglas Lenz  
Sundt Construction, Inc.  
2620 S. 55<sup>th</sup> St.  
Tempe, Arizona 85282

Re: Cost Estimate C – Ongoing System Operation, Compliance Monitoring, Reporting  
San Mateo Wastewater Treatment Plant Facility, San Mateo, CA

Dear Mr. Lenz:

Pursuant to your request, WSP USA, Inc. (WSP) is pleased to provide Sundt Construction, Inc. (Sundt) with this cost estimate to provide groundwater characterization services and engineering services in support of dewatering operations at the San Mateo Wastewater Treatment Plant (WWTP) in San Mateo, California (the “Site”). It is our understanding that Sundt (Client) requires groundwater characterization as well as design, permitting and monitoring assistance for the treatment/disposal of groundwater generated during construction dewatering operations. The construction dewatering will run continuously, and will treat the groundwater to remove sediment, reduce turbidity and treat for petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs).

Work will be conducted in three phases:

- 1 Phase A – System Design and Permitting
- 2 Phase B – Dewatering Treatment System Startup and Initial Operation
- 3 Phase C – Ongoing System Operation, Compliance Monitoring, and Reporting

This cost estimate covers Phase C of work. Phase A and Phase B are discussed in separate proposals.

## PHASE C – ONGOING SYSTEM OPERATION, COMPLIANCE MONITORING, AND REPORTING

The dewatering phase of this project is anticipated to last 3 years (36 months). WSP will perform monthly and quarterly compliance sampling and analyses for months 3 through 36, as well as assist with compliance issues and system operation issues. WSP will also perform monthly inspections of the system to verify that the system is operating properly and that the correct records are being maintained.

Reporting will include semi-annual and annual self-monitoring reports, submitted for certification by the Owner, and transmitted by WSP to the RWQCB.





## COST ESTIMATE

The cost of all the above-mentioned phase is listed below:

Phase C: Ongoing System Operation, \$191,965  
Compliance Monitoring, and Reporting (months  
3 through 36)

15% Contingency (of Phase B + C) \$ 33,432

**Total Cost: \$ 225,397**

The total cost does not include dewatering treatment system permitting and system design, which are included in a separate proposal under Phase A or dewatering system startup and initial operation, which are included in a separate proposal under Phase B. A spreadsheet detailing the costs for Phase C is attached as Table 1. In order to account for projected annual increases in WSP labor rates and laboratory analyses rates for the work, an estimated 3% increase of the 2019 rates for each year of the project are incorporated. Therefore, the rates for 2020 includes a 3% increase; 2021 includes a 6% increase, and 2022 includes a 9% increase from 2019.

Engineering experience suggests that 15% of monitoring and reporting costs (Phases B and C) is a reasonable contingency. The cost of Phase B is estimated to be \$30,915, as included in WSP's Phase B proposal. Additional contingent costs may result if compounds are found in the effluent at concentrations greater than the effluent limits listed in the VOC and Fuel General Permit, or if violations occur and additional sampling or receiving water sampling as well as reporting is required.

This work will be accomplished on a fee basis by phase and billed as a lump sum fee project. WSP will invoice the Client monthly until completion of the project. The estimated monthly cost of operation under Phase C is \$6,830.22. Out of scope work will be performed only with written authorization from the client. The work will be conducted under the supervision of a Civil Engineer registered with the State of California.

WSP is prepared to implement the scope of work described above immediately upon your approval and completion of contract documents. We have attached our standard contract for your review. If you have any questions or require additional information, please do not hesitate to call.

Sincerely,

Betsy Mitton  
California Area Manager  
408-878-0660

Chin Lien  
Senior Vice President/Director of Water Services





## **ATTACHMENTS**

Table 1  
Standard Terms and Conditions

## **AUTHORIZATION TO PROCEED**

The contents of this proposal and the attached terms and conditions have been reviewed and accepted.  
The below designee authorizes WSP to proceed with the technical work proposed herein.

---

Print Name

---

Title, Company

---

Authorized Signature

---

Date



TABLES



Table 1

**Phase C: Ongoing System Operation, Compliance Monitoring and Reporting**  
**San Mateo WWTP**  
**San Mateo, California**

<b>Task C1: First Semester 2020 Monitoring and Report Preparation</b> <i>(includes semi-annual report)</i>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$216	15	hours	\$3,245
	Staff Engineer	\$124	108	hours	\$13,349
					<b>Labor Subtotal</b>
					\$16,593
<b>Subcontractor</b>					
	Analytical (January 2020)	\$3,232	1	ea	\$3,232
	Analytical (February 2020)	\$1,348	1	ea	\$1,348
	Analytical (March 2020)	\$1,348	1	ea	\$1,348
	Analytical (April 2020)	\$3,232	1	ea	\$3,232
	Analytical (May 2020)	\$1,348	1	ea	\$1,348
	Analytical (June 2020)	\$1,348	2	ea	\$2,697
	Subcontractor Markup (15%)	\$1,981	1	ea	\$1,981
					<b>Subcontractor Subtotal</b>
					\$15,186
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					<b>Expenses Subtotal</b>
					\$1,173
<b>Subtotal:</b>					<b>\$32,953</b>
<b>Task C2 - Second Semester 2020 Monitoring and Report Preparation</b> <i>(includes semi-annual combined with annual report)</i>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$216	15	hours	\$3,245
	Staff Engineer	\$124	108	hours	\$13,349
					<b>Labor Subtotal</b>
					\$16,593
<b>Subcontractor</b>					
	Analytical (July 2020)	\$3,232	1	ea	\$3,232
	Analytical (August 2020)	\$1,348	1	ea	\$1,348
	Analytical (September 2020)	\$1,348	1	ea	\$1,348
	Analytical (October 2020)	\$3,232	1	ea	\$3,232
	Analytical (November 2020)	\$1,348	1	ea	\$1,348
	Analytical (December 2020)	\$1,348	1	ea	\$1,348
	Subcontractor Markup (15%)	\$1,779	1	ea	\$1,779
					<b>Subcontractor Subtotal</b>
					\$13,636
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					<b>Expenses Subtotal</b>
					\$1,173
<b>Subtotal:</b>					<b>\$31,402</b>



Table 1

**Phase C: Ongoing System Operation, Compliance Monitoring and Reporting**  
**San Mateo WWTP**  
**San Mateo, California**

<b>Task C3 - First Semester 2021 Monitoring and Report Preparation</b>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$223	15	hours	\$3,339
	Staff Engineer	\$127	108	hours	\$13,738
					Labor Subtotal
					\$17,077
<b>Subcontractor</b>					
	Analytical (January 2021)	\$3,326	1	ea	\$3,326
	Analytical (February 2021)	\$1,388	1	ea	\$1,388
	Analytical (March 2021)	\$1,388	1	ea	\$1,388
	Analytical (April 2021)	\$3,326	1	ea	\$3,326
	Analytical (May 2021)	\$1,388	1	ea	\$1,388
	Analytical (June 2021)	\$1,388	1	ea	\$1,388
	Subcontractor Markup (15%)	\$1,830	1	ea	\$1,830
					Subcontractor Subtotal
					\$14,033
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					Expenses Subtotal
					\$1,173
<b>Subtotal:</b>					<b>\$32,283</b>
<b>Task C4 - Second Semester 2021 Monitoring and Report Preparation</b> <i>(includes semi-annual combined with annual report)</i>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$223	15	hours	\$3,339
	Staff Engineer	\$127	108	hours	\$13,738
					Labor Subtotal
					\$17,077
<b>Subcontractor</b>					
	Analytical (July 2021)	\$3,326	1	ea	\$3,326
	Analytical (August 2021)	\$1,388	1	ea	\$1,388
	Analytical (September 2021)	\$1,388	1	ea	\$1,388
	Analytical (October 2021)	\$3,326	1	ea	\$3,326
	Analytical (November 2021)	\$1,388	1	ea	\$1,388
	Analytical (December 2021)	\$1,388	1	ea	\$1,388
	Subcontractor Markup (15%)	\$1,830	1	ea	\$1,830
					Subcontractor Subtotal
					\$14,033
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					Expenses Subtotal
					\$1,173
<b>Subtotal:</b>					<b>\$32,283</b>



**Table 1**

**Phase C: Ongoing System Operation, Compliance Monitoring and Reporting  
San Mateo WWTP  
San Mateo, California**

<b>Task C5 - First Semester 2022 Monitoring and Report Preparation</b>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$229	15	hours	\$3,434
	Staff Engineer	\$131	108	hours	\$14,126
					Labor Subtotal
					\$17,560
<b>Subcontractor</b>					
	Analytical (January 2022)	\$3,420	1	ea	\$3,420
	Analytical (February 2022)	\$1,427	1	ea	\$1,427
	Analytical (March 2022)	\$1,427	1	ea	\$1,427
	Analytical (April 2022)	\$3,420	1	ea	\$3,420
	Analytical (May 2022)	\$1,427	1	ea	\$1,427
	Analytical (June 2022)	\$1,427	1	ea	\$1,427
	Subcontractor Markup (15%)	\$1,882	1	ea	\$1,882
					Subcontractor Subtotal
					\$14,430
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					Expenses Subtotal
					\$1,173
					<b>Subtotal:</b>
					<b>\$33,163</b>



**Table 1**

**Phase C: Ongoing System Operation, Compliance Monitoring and Reporting  
San Mateo WWTP  
San Mateo, California**

<b>Task C6 - Second Semester 2022 Monitoring and Report Preparation</b> <i>(includes semi-annual combined with annual report)</i>					
<b>Labor</b>		<b>Rate</b>	<b>Amount</b>	<b>Unit</b>	<b>Total</b>
	Professional Engineer	\$229	15	hours	\$3,434
	Staff Engineer	\$131	108	hours	\$14,126
					<b>Labor Subtotal</b>
					\$17,560
<b>Subcontractor</b>					
	Analytical (July 2022)	\$3,420	1	ea	\$3,420
	Analytical (August 2022)	\$1,427	1	ea	\$1,427
	Analytical (September 2022)	\$1,427	1	ea	\$1,427
	Analytical (October 2022) - cease dewatering after 36 months of operation	\$3,420	1	ea	\$3,420
	Subcontractor Markup (15%)	\$1,454	1	ea	\$1,454
					<b>Subcontractor Subtotal</b>
					\$11,149
<b>Expenses</b>					
	Sampling Equipment	\$50	6	ea	\$300
	Field Expenses	\$120	6	ea	\$720
	Expenses Markup (15%)	\$153	1	ea	\$153
					<b>Expenses Subtotal</b>
					\$1,173
					<b>Subtotal:</b>
					<b>\$29,882</b>

**Phase C Total: \$191,965**

**15% Contingency: \$33,432**

**Total Cost (Phase C + 15% Contingency): \$225,397**

**Phase C Monthly Cost of Operation: \$6,830.22**

**Notes**

- This Budget is a lump sum estimate which will not be exceeded without prior written authorization from the client.
- Billing rates and laboratory rates for 2020 work include a 3% mark-up, rates for 2021 work include a 6% mark-up, and rates for 2022 work include a 9% from 2019 costs to account for annual cost increases.
- Standard subcontractor mark-up is 15%.
- Standard expenses mark-up is 15%.
- Contingency is 15% of the sum of Phase B and Phase C and is for additional, unexpected monitoring and reporting.





**STANDARD TERMS AND CONDITIONS**









## STANDARD TERMS AND CONDITIONS

The following “Standard Terms and Conditions” shall apply to all of “the Services” carried out by WSP USA Inc. (“WSP”), on behalf of Sundt Construction, Inc., “the Client” as of November 28, 2017. They shall constitute the sole contract between the Company and the Client until such time that they are replaced by a written, agreed, signed, and subsequent “Master Services Agreement.”

### 1) DEFINITIONS

- a) “The Services” shall mean the scope of services, duties, and activities provided by the Company to the Client as defined in the attached proposal.
- b) The “Agreement” refers to these Standard Terms and Conditions subject to this document.

### 2) AGREEMENT

The Agreement is between the Client and the Company.

- a) The Client hereby confirms that it is entering into this Agreement wholly on its own behalf and not on behalf of or for the benefit of any other party, and agrees that in the event of any claim for breach of contract arising out of or in connection with this Agreement it shall be entitled to recover from the Company only the losses, if any, it has itself suffered.
- b) The Company shall in the performance of the Services (as defined in the proposal letter) exercise and will continue to exercise the reasonable skill, care, and diligence to be expected of a properly qualified and competent consultant experienced in the provision of such services as in effect at the time and location where the Services are performed. NO OTHER REPRESENTATIONS TO CLIENT EXPRESS OR IMPLIED, AND NO WARRANTY OR GUARANTEE IS INCLUDED OR INTENDED IN THIS AGREEMENT OR ANY REPORT, OPINION DOCUMENT OR OTHERWISE.
- c) The Company shall not be required to sign any documents, no matter by whom requested, that would result in the Company having to certify, guarantee or warrant the existence of conditions whose existence the Company cannot ascertain. The Client also agrees not to make resolution of any dispute with the Company or payment of any amount due to the Company in any way contingent upon the Company’s signing any such certification.
- d) The Services shall be provided by the Company for the sole benefit and use of the Client unless otherwise agreed in writing by the parties. Unless otherwise agreed in writing by the parties, no person other than the Client may rely on any report or other communication made in writing or otherwise by the Company in relation to the Services.
- e) The Company has no responsibility for hazardous or toxic substances or other waste materials found or identified as part of the services and the Company shall have no responsibility for the removal, treatment, storage, transport or disposal of these materials unless specifically agreed in writing with the Client. In any event, the Company shall utilize only the licensed or permitted treatment, storage, or disposal facility or facilities designated by Client.
- f) The information contained in the proposal is provided in confidence and regarded as commercially sensitive and confidential; in particular, rates, fees, personal information and other information deemed by the Company to be commercially sensitive should not be released by the Client to any other party without the Company’s prior written consent.
- g) The Client acknowledges and agrees that the Services may be performed in whole or in part by subcontractors selected by the Company in its reasonable discretion. The Company will name Client as a third party beneficiary of all





subcontracts entered into the performance of work under this Agreement unless the Client authorizes otherwise in writing.

- h)** Client agrees that the Company is not responsible for damages arising directly or indirectly from any delays for failure of performance by Client or Client's contractors or consultants or discovery of any previously undisclosed hazardous substances or differing site conditions. In addition, if the delays resulting from any such causes increase the cost or time required by the Company to perform its services in an orderly and efficient manner, the Company shall be entitled to a reasonable adjustment in schedule and compensation.

### **3) COMPENSATION**

- a) Compensation.** In consideration of the performance of the Services, the Client shall pay to the Company the fees stated in the proposal.
- b) Additional Services.** If the Company is required by the Client to provide additional services outside the scope and nature of the Services set out in the proposal letter, the Client shall make payment according to the hourly rates and sums set out in the proposal letter.
- c) Termination.** In the event that the Client requests the Services to be aborted, the Client shall pay to the Company the fees commensurate with the work completed by the Company. For the avoidance of doubt, the fees will include the preparation of reports or other deliverable items actually carried out whether or not the Client requires them to be issued.
- d) Currency.** All monies due to the Company shall be paid in US \$ (dollars) unless specifically detailed otherwise.
- e) Invoices.** Payment is due on the date of each invoice rendered and accounts must be settled in full within 30 days of the date of the invoice. Invoices past due more than 10 days will be assessed at an interest rate based on one percent (1%) per month or the highest applicable rate permitted by law, whichever is less. Notice of any dispute concerning an invoice must be provided in writing within 14 days of receipt of the invoice or the invoice is deemed to be correct and the full sum according to the invoice is due to the Company.

### **4) ACCESS TO INFORMATION**

Before the commencement of Services and continuing thereafter, the Client shall immediately notify the Company of any known potential or possible health or safety hazards existing on or near the project site on which Services are to be, or are being, performed by Company or its subcontractors, with particular reference to hazardous substances or conditions. The Client shall provide the Company with all relevant data and information in its possession relating to the site history, to the project, and to the environmental, geologic, and geotechnical surface and subsurface conditions of the site and surrounding areas. Furthermore, promptly on request by the Company, Client shall provide Company and its subcontractors with all information, requirements, reports, data, surveys, and instructions, and access to all premises within the Client's control that Company may reasonably request to perform the Services. The Company may use such information, requirements, reports, data, surveys, and instructions in performing its Services and is entitled to rely upon the accuracy and completeness thereof. The Company shall not be held responsible for any errors or omissions that may arise as a result of erroneous or incomplete information provided by Client and/or Client's consultants and contractors.

### **5) LIMITATION OF LIABILITY**

Client agrees that to the fullest extent permitted by law, the Company's total liability to client and third parties for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to this agreement from any cause or causes, including but not limited to the Company's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty, shall not exceed and shall be limited to the lessor of total compensation paid to and retained by the Company for services pursuant to this agreement or the amount of the Company's insurance provided





pursuant to this Agreement. The Company shall not be liable for any for lost revenues, lost profits, incidental, indirect, consequential, special or punitive damages incurred by the Client.

The Company's liability for any claims shall be further limited to such sum as it would be just and equitable for the Company to pay having regard to the extent of the Company's responsibility for the loss or damage suffered as a result of each claim or series of claims in question ("the loss and damage") and on the assumption that:

- a) all other Consultants and all Contractors shall have provided contractual undertakings on terms no less onerous than those applying to the Company in respect of the carrying out of their obligations, and
- b) there are no exclusions of or limitations of liability nor joint insurance or co-insurance provisions between the Client and any other party referred to in this clause and any other party who is responsible to any extent for the loss and damage is contractually liable to the Client for the loss and damage, and
- c) all other Consultants and all Contractors have paid, or agreed to pay, to the Client such proportion of the loss and damage which it would be just and equitable for them to pay having regard to the extent of their responsibility for the loss and damage.

Client hereby acknowledges, understands and agrees that: (1) there are risks inherent to environmental investigation, analysis, management, and remediation, many of which cannot be ascertained or anticipated prior to or during the course of the Services; for example, site investigation activities may spread contaminants through geologic formations despite the use of accepted professional standards; (2) due to the inherently limited nature and amount of data resulting from environmental investigation methods, complete analysis of conditions is not always possible, and, therefore, conditions frequently vary from those anticipated earlier; for example, borings in one location may miss contaminants only a few feet away; and (3) technology, methods, accepted professional standards as well as law and policy, are undefined and/or constantly changing and evolving. In light of all of the foregoing and the Company's lack of responsibility for creating the conditions requiring the Services, as a material inducement to and consideration for the Company's agreement to perform the Services on the terms and at the price stated herein CLIENT SPECIFICALLY AGREES THAT THE COMPANY'S LIABILITY SHALL BE STRICTLY LIMITED AS AND TO THOSE CAUSES AND AMOUNTS PROVIDED ABOVE.

## **6) DISPUTE RESOLUTION**

Any controversy or claim arising out of or relating to this Agreement or the provision of the Services shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.

## **7) OWNERSHIP**

All intellectual property rights and copyright associated with the Company's services shall remain vested in and the property of the Company. A specific license for use may be granted by the Company. Any such license will be strictly limited to issues associated with the Services. The Company will not accept any liability whatsoever for any use of the materials to which the license is granted for any purpose other than the original intent. In the event that the Client is in default of payment of monies due to the Company, such license is agreed by the parties to be immediately withdrawn and revoked. All reports, drawings, specifications, computer files, field data, notes and other documents and instruments prepared by the Company as instruments of service shall remain the property of the Company. The Company shall retain all common law, statutory and other reserved rights, including, without limitation, the copyrights thereto.

## **8) CLIENT'S DUTIES**

- a) The Client shall procure access for the Company to the property or properties in respect of which the Services are to be performed.





- b) The Client shall supply to the Company without charge and within reasonable time all necessary and relevant data and information in the possession of the Client or known to him and shall give such assistance as shall reasonably be required by the Company in the performance of the Services.
- c) Where relevant to the Services, the Client shall give the Company adequate notice of any danger or hazard which might cause death or injury to their employees and of which the Client ought reasonably to be aware.
- d) Where relevant to the Services, the Client shall provide to the Company, prior to any intrusive investigations, full details concerning the presence and location of any underground or otherwise located services. If such details are unavailable, the Company will take reasonable precautions to identify such services including the use of specialist equipment. The Client agrees to reimburse the Company for the reasonable cost of any such precautions. Where no or insufficient information has been provided or is available, the Client agrees to indemnify the Company against any and all resulting losses or costs.

## **9) BUDGETARY ESTIMATIONS**

Unless specifically stated to the contrary, any budgetary opinion or estimate offered by the Company, exclusive of written proposals signed by authorized representatives of the Company, is to be regarded by the Client as broad guidance only. The Company is not liable for any deviation from such budgetary opinions or estimates whatsoever.

## **10) NO THIRD PARTY RIGHTS**

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the Company. Any report issued by the Company is solely for the benefit of the Client for the purposes set out in the report and should not be relied on by third parties or for any other purpose without the express written consent of the Company. The Company shall have no liability whatsoever to a person who is not a party to the Agreement, unless otherwise agreed in writing.

If requested by the Client, the Company will consider the provision of reliance letters to third parties in a form to be agreed by the Company. In relation to property transactions the provision of such agreements will normally be limited to a lender, a first purchaser and a first tenant, and will be provided on no more than two occasions. Additional fees may be payable for the provision of this service.

## **11) REPORTING OBLIGATIONS**

In states where there is a legal obligation for a licensed professional (employed by the Company) or the Company to report an observed release of a hazardous material or petroleum product to the environment, an imminent threat to human health or the environment, or other incident (as defined by applicable law) to a regulatory agency, the Company shall first notify the Client and its Counsel regarding the nature and timing of the required notification, but in any case will comply with the applicable legal requirements with regard to reporting.

## **12) SEVERABILITY**

If any term or condition of this Agreement is for any reason held to be illegal, invalid, ineffective, inoperable, or otherwise enforceable by law, it shall be severed and deemed to be deleted from this Agreement and the validity and enforceability of the remainder of this Agreement shall not be affected or impaired thereby.

## **13) PERSONAL LIABILITY**

Notwithstanding anything to the contrary contained in any other provision of this Agreement, the Company's partners, members, agents, directors, officers and/or employees shall have no personal liability whatsoever arising out of or in connection with this Agreement or the performance of the Services hereunder.





## **14) HEADINGS**

The headings or captions within this Agreement shall be deemed set forth in the manner presented for the purposes of reference only and shall not control or otherwise affect the information set forth therein or interpretation thereof.

## **15) MODIFICATION**

This Agreement may be modified or amended only by a written instrument signed by an authorized agent of each party.

## **16) AUTHORITY**

Each individual and entity executing this Agreement hereby represents that he, she or it has the capacity set forth on the signature page hereof with full power and authority to bind the party on whose behalf he, she, or it is executing this Agreement to the terms and provisions hereof, and that such entity has authorized the execution of this Agreement as necessary to bind such entity to the terms and provisions hereof.

## **17) GOVERNING LAW**

This Agreement shall be deemed to be a contract made under the laws of the state of New York, and for all purposes shall be construed in accordance with the laws thereof. Client agrees that any and all disputes between the parties under or relating to the terms and conditions of this Agreement shall be fully and completely adjudicated in any federal or state court located in the state of New York and Client completely and entirely waives any and all jurisdictional defenses it may have now or in the future to the jurisdictional reach of such courts.

## **18) BUSINESS INTEGRITY**

The Company values innovation, unity and trust. We are passionate about our work and care about how we conduct ourselves with all individuals and corporations we interact with. Simply put, this is how we get things done. Our Company's reputation depends on our ability to achieve our core values and to conduct our business ethically. To be clear, we do not, and will not, compromise on compliance with the law or on our business-conduct standards. We simply will not tolerate unethical behavior.

As your professional services provider, we undertake to follow your business integrity rules. This being said, we also invite you to review our Code of Conduct and underlying policies. These guidelines are the Company's standard for maintaining a legally-compliant and ethical workplace. They are available through our website at: <http://www.wsp-pb.com/en/Who-we-are/Corporate-Governance/Corporate-Policies/Code-of-Conduct-and-Policies/>. If you have any questions about our guidelines, please contact one of the local representatives identified on our website.

For situations which pertain to irregularities inconsistent with our guidelines, please report to our independent whistleblowing provider, Expolink. This service is available 24 hours a day, 7 days a week. Information as to numbers and e-mail where to contact the service provider can be found at: <http://www.wsp-pb.com/en/Who-we-are/Corporate-Governance/whistleblowing-service/>. All calls and e-mails are confidential and you can remain anonymous, should you request.

## **19) ACCEPTANCE OF AGREEMENT**

If upon submission of this Agreement to the Client, the Client fails to return a signed copy to the Company and knowingly allows the Company to proceed with the Services, such Services shall be deemed performed pursuant to the Agreement and these Terms and Conditions shall be binding the same as if the Agreement were fully executed.





By receipt and in the absence of a written declaration to the contrary, these initial “Standard Terms and Conditions” are accepted by the Client and deemed to constitute a contract between the Client and the Company for the delivery of the Services and shall be binding the same as if the Agreement were fully executed.

Revised: May 2017





# MALCOLM

Look to the Blue

December 3, 2019

Sundt Construction  
2620 South 55<sup>th</sup> Street  
Tempe, AZ 85282  
P. 480-293-33004

ATTN: Doug Lenz ([ddlenz@sundt.com](mailto:ddlenz@sundt.com))

RE: **Potential Change Order (PCO) 001 – Sump Drilling Proposal**  
San Mateo WWTP  
2050 Detroit Drive  
San Mateo, CA 94404

Malcolm Drilling Company, Inc. (MDCI) is pleased to provide this proposal pricing for the installation of the steel casing pipe as part of the typical sump detail. Our pricing is based on the following unit prices, scope of work and attached Standard Conditions (Rev. 03/2018).

**PROPOSAL IS BASED UPON THE FOLLOWING INFORMATION PROVIDED BY OTHERS:**

- Sump Detail\_Sundt marked-up sheet S008
- Sump Locations Map sheet S041

**SCOPE OF WORK:**

1. Mobilization of equipment and tooling to site.
2. Machine drill at each location 74"-80" diameter starter hole through the lime stabilized soil.
3. Furnish permanent steel casing pipe 72" I.D. x ½" wall thick x 18ft long w/ twisting slots cut in top.
4. Hoist steel casing into starter hole.
5. Twist steel casing through Bay Mud to required depth plus 2ft extra to leave soil plug.
6. Drill and clean out inside of steel casing with auger or drilling bucket. Leave 2ft plug of soil in bottom of casing.
7. Grout annular space (as needed) between outside of steel casing and the starter hole.
8. Any pile driving should occur, by others, after steel casing has been installed.
9. Demobilization of equipment.

**PRICING:**

Item	Item Description	Quantity	Units	Unit Rate	Total Amount
1	Mobilization/Demobilization/Safety	1	LS	\$ 32,000	\$ 32,000
2	Furnish and Install (4) 72" I.D. Steel Casings	1	LS	\$ 111,000	\$ 111,000
				<b>Total Price:</b>	<b>\$ 143,000</b>

Malcolm Drilling Company, Inc.  
3503 Breakwater Ct. | Hayward, CA 94545  
Tel. 510-780-9181 | Fax 510-780-9177  
Contractor's License No. CA259543



**SPECIFIC EXCLUSIONS:**

While the attached Standard Conditions (Rev. 03/2018) apply to this project, we wish to specifically emphasize the following exclusions:

- Field engineering, surveying and layout, including clearly marked center lines, grades, offset stakes for temporary shoring. Each beam will require layout at the face of beam and two off-sets.
- Settlement, system movement and vibration monitoring.
- Furnishing water from hydrant (3" minimum) with 100' of soil mix wall for soil mixing and tieback activities.
- Removal, verification, (including potholing by others), protection (including capping of side sewer laterals), or relocation of utilities.
- Safe access/egress including dry, level, firm, work platform for the entire site is required to be provided by others, including all-weather benches and ramps.
- Prime Contractor shall provide protection and repair, if needed, of any driveways, paved roadways, sidewalks, or other finished/unfinished areas.
- Clearing, and grubbing and any demolition. Removal of soldier piles after installation, including tops.
- Any earthwork, including but not limited to any structural excavation, backfill, grade restoration, re-grading of pad or work areas, or finished grades after completion of soil mix operations.
- Spoils handling, removal and disposal.
- MDCL has included Level D PPE for this project, if contaminated material is encountered and additional PPE and/or additional training is required it will be considered an added cost paid by the prime contractor.
- Concrete, slurry and/or grout washout areas and disposal of material.
- Concrete, and grout sampling and testing. (Internal retaining wall concrete & tieback grout).
- Traffic / pedestrian control; including any installation, removal or replacement of traffic control barricades, signs or other measures required for MDCL work operations. MDCL will provide its own flaggers for its trucking during mobilization and demobilization of equipment only.
- Obstructions to drilling (manmade or natural, debris, existing structures, etc.).
- Storm water pollution prevention plans or measures. Wheel wash to be installed and maintained by others. SWPPP rock entrance to be furnished by others to prevent the use of washing delivery truck tires. Street cleaning and any ventilation requirements and dust control measures.
- Substrate preparation for receipt of waterproofing or any responsibility for adequacy / performance of waterproofing should waterproofing contractor affix waterproofing to shoring elements.

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We look forward to working with you on this project. Please contact us at 510-780-9181 if we can be of further assistance or if further clarification is required.

Sincerely,  
MALCOLM DRILLING COMPANY, INC.


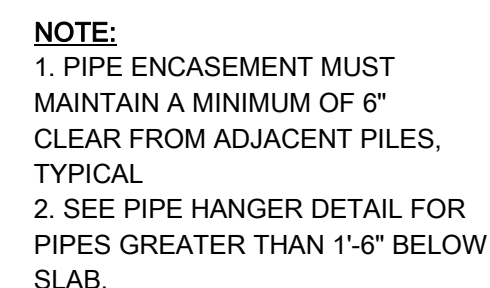


Robert Small, PE  
Estimator/Project Manager


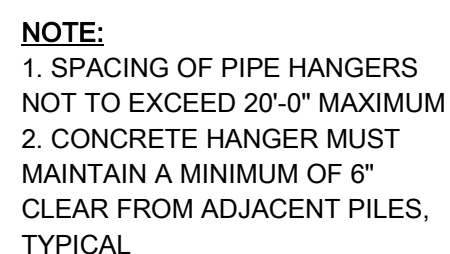
**Attachments:**

- Sump Detail – S008
- Sump Locations – S041


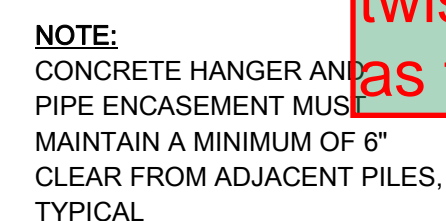




1  
- PIPE  
1/2" = 1'-0"



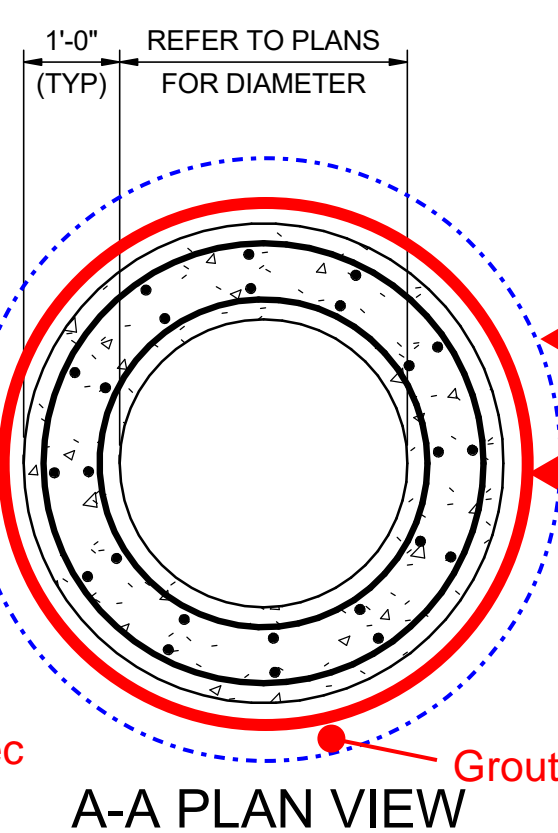
PIPE  
1/2" = 1'-0"



PIPE  
1/2" = 1'-0"



**TOTAL LENGTH  
OF CASING = 18ft**



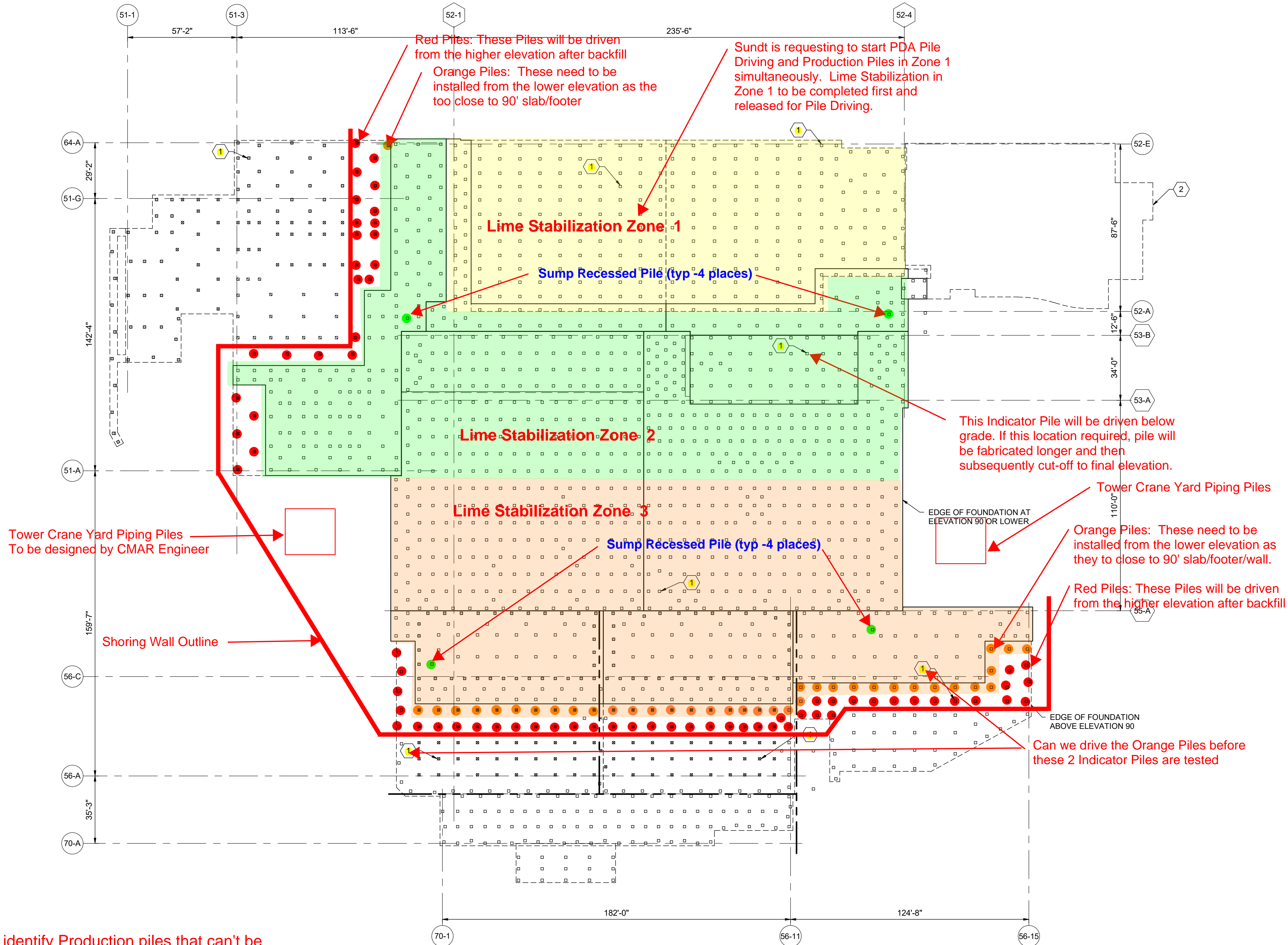
### Construction Sequence

1. Drive Pile with follower bar to required elevation - GMP-2
2. Auger drill hole to required elevation -GMP-2
3. Insert Steel Casing and grout exterior annular space - GMP-2
4. Install pile rebar hooks. Form and rebar bottom base - GMP-3
5. Install rebar cage and interior wall Sono Tube Form - GMP-3
6. Monolithically Pour Concrete base and walls. - GMP-3
7. Tie-in to mat slab. - GMP-3

~~3~~ ~~TYPICAL~~  
~~-~~ ~~1/2" = 1'-0"~~



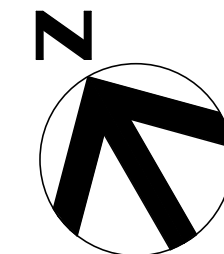
BIM 360//10048652\_San\_Mateo\_WWTP/10048652-53-S.rvt  
10/21/2019 4:04:00 PM



Need to identify Production piles that can't be fabricated until adjacent Indicator Pile(s) are PDA Tested and approved by HDR. This will influence Pile driving schedule sequencing.

#### OVERALL PILE PLAN

1" = 30'-0"



#### PILE PLAN NOTES:

- ALL PILES SHOWN ON THIS SHEET SHALL BE AS SHOWN ON SHEET 00S006 - TYPICAL PILE DETAILS AND DESIGN AND INSPECTION SCHEDULE. SEE SPECIFICATION SECTION 31 62 13 FOR ADDITIONAL INFORMATION ON DRIVEN PILES.
- REFER TO GMP-1, SHEET C221 FOR APPLICABLE INFORMATION NOT SHOWN HERE.

#### SHEET KEYNOTES

- INDICATOR PILE PER SPECIFICATION 31 62 13
- OUTLINE OF ADMINISTRATION BUILDING. SEE 80S-SERIES FOR INDICATOR PILES, PILE DESIGN AND PILE SCHEDULE

DESIGNED BY: P. NGUYEN	DATE: 10/28/19	BY: LJ	DATE: 6/28/19
DRAWN BY: D. ELDRIDGE	DATE: 10/28/19	DESCRIPTION: GMP-2 90% SUBMITTAL	DATE: 8/12/19
QC CHKD BY: K. KIRCHNER	DATE: 10/28/19	DESCRIPTION: GMP-2 90% REV B	DATE: 10/11/19
PROJECT No: 10048652		DESCRIPTION: ISSUED FOR PERMIT	DATE: 10/28/19
SCALE: NONE		DESCRIPTION: RELEASED FOR CONST.	DATE: 10/28/19
SUBMITTAL			
SHEET NO. 00S041			
SHEET 8 OF 31			

**STRUCTURAL OVERALL PILE PLAN**

San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project  
City Project No. 46T003

10/28/19

PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

Exp. 9-30-21

NO. 9888

REGISTERED



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3141 - Sump Drilling**



<b>Companies:</b>	<b>Malcolm Drilling</b>
Contact Name:	Rob Small
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>

**General Information**

Questions	Response
<b>Project Scope</b>	
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.8 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Insurance Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3141 - Sump Drilling**



<b>Companies:</b>	<b>Malcolm Drilling</b>
Contact Name:	Rob Small
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit H - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit I - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	
of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to disqualification.	
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	
3.4 - Shop drawing and submittal preparation lead time:	
3.5 - Fabrication & delivery lead time:	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3141 - Sump Drilling**



<b>Companies:</b>	<b>Malcolm Drilling</b>
Contact Name:	Rob Small
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	



**Project: San Mateo WWTP - GMP2 - Piles**

**Code: 3141 - Sump Drilling**



<b>Companies:</b>	<b>Malcolm Drilling</b>
Contact Name:	Rob Small
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit N - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	
<b>Code Scope</b>	
All training required to meet manufacturers or industry standards is to be included including any trade qualifications required.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3141 - Sump Drilling**



<b>Companies:</b>	
Contact Name:	Malcolm Drilling
Phone:	Rob Small
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>
Participate and comply with Contractor Quality Assurance/Quality Control Plan.	
Active participation in project required meetings.	
One mobilization is included. Additional mobilizations will incur additional charges.	
Subcontractor is held accountable for any delays incurred by not following the contract submittal procedures.	
Pricing is valid through the duration of the project. No escalations will be allowed.	
All necessary safety training (Confined space, fall protection, AWP, etc.) will be provided by the subcontractor.	
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards.	
Service Provider will adhere to all requirements of Sundt's site specific and standard safety policies without exception.	
intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule.	



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3141 - Sump Drilling**



<b>Companies:</b>	<b>Malcolm Drilling</b>
Contact Name:	Rob Small
Phone:	
Qualification:	
Last Response Date:	12/13/2019
Subcontractor Quote:	<b>143,000.00</b>

greatest extent possible, "local" labor. Upon award, the selected Service Provider for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties.	
Project Specific - 4.9The City of San Mateo is implementing a Project Labor Agreement (PLA) on the project. All costs will need to be included for the implementation of this PLA in the subcontractor's bid price.	
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Service Provider will adhere to all requirements of the California Department of Industrial Relations including labor rates and apprenticeship requirements. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction.	
requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here: <a href="https://www.epa.gov/wifia/wifia-resources#handbook">https://www.epa.gov/wifia/wifia-resources#handbook</a>	
Service Provider shall provide all labor, material, equipment, and appurtenances as required to complete the described scope of work complete per plans, specifications, and contract documents.	
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Service Provider shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils.	
Project Specific - This project has a liquidated damages clause listed in Section 6.6 of the Prime Contract based on the Substantial Complete date set at \$5,000 per day and \$2,500 per day for Final Completion. The Substantial Complete date is will be finalized upon approval of the GMP2 Baseline Schedule as noted in 6.2.1. Please refer to the preliminary schedule (bidding document Exhibit C).	Yes

**Bid Breakdown**

Item Description		UOM	Quantity	\$ Unit Price	\$ Total
Mobilization / Demobilization / Safety		LS	1	\$ 32,000.00	\$ 32,000.00
Furnish and Install (4) 72" I.D. Steel Casings		LS	1	\$ 111,000.00	\$ 111,000.00





*Revised on December 16, 2019*

Proposal No.: 1341

Doug Lenz  
Sundt Construction  
2620 S. 55th Street  
Tempe, AZ 85282

Subject: Proposal for Vibration Monitoring Services  
San Mateo Waste Water Treatment Plant - Nutrient Removal and Wet Weather Flow  
Management Upgrade and Expansion Project  
San Mateo, CA

Dear Doug,

Municon West Coast, Inc. is pleased to present this revised proposal for Vibration Monitoring Services at the San Mateo Waste Water Treatment Plant project in San Mateo. This proposal is based upon our correspondence with you and our prior experience at this site during the indicator pile program. This proposal for vibration monitoring supersedes our proposals dated August 16 and December 10, 2019.

### **Project Description**

We understand the WWTP Upgrade and Expansion Project consists of new liquids treatment process facilities, including headworks, primary treatment, five-stage biological nutrient removal/membrane bioreactor (BNR/MBR) process, biological and chemically enhanced treatment (BioCET) process, and other general plant upgrades, including odor control to serve the new facilities.

You have indicated that vibration monitoring will be required for approximately 12 months at six (6) monitoring locations. The unit charges for recurring costs (table below) will remain the same if the actual duration is shorter or longer than the assumed duration.

### **VIBRATION MONITORING**

We will deploy seismographs to measure vibrations at locations which we will identify in our Vibration Monitoring Plan (VMP). We will employ a total of six (6) industry standard seismographs with remote connectivity, protective housing, and backup power supply.

We will prepare a Vibration Monitoring Plan that will describe the vibration monitoring equipment, remote reporting and alarm capabilities, proposed monitoring locations, methods for notifying you of exceedances, and reporting intervals. Please note that the Monitoring Plan is not a Vibration Control Plan, and will not include recommendations for limiting vibration levels during construction.

Final locations of seismographs will be determined in the field based on site conditions and ability to protect equipment. We anticipate all initial monitoring locations will be accessible on the same day to allow us to install all required seismographs in one visit. If requested, we will install the seismographs one week prior to the commencement of construction in order to develop a "baseline record." At the completion of the construction work, we will remove the seismographs from the work area.





We will monitor peak particle velocity on three orthogonal channels, simultaneously. Our seismographs will be configured to send SMS (text message) alerts to the Designated Responsible Person and others as requested in the event of a Threshold Vibration Value or Limiting Vibration Value exceedance. The vibration limits have been established by others. We will provide monthly data reports during construction. We can provide a final report at the conclusion of construction, if requested.

The costs for vibration monitoring are summarized in Table 1. We understand that four (4) stationary seismographs will be needed at the perimeter for your project. In addition, two (2) vibration monitoring points adjacent to concrete pour areas will be need to be set up and relocated up to three (3) times per week while pile driving is occurring concurrent with concrete pours.

Table 1: Vibration Monitoring				
Fixed Costs				
Item	Unit Cost	Qty.	Duration	Line Total
Prepare Vibration Monitoring Plan	\$1,200	1	-	\$1,200
Install vibration monitors	\$800	6	-	\$4,800
Remove vibration monitors	\$600	6	-	\$3,600
Configure data presentation website	\$750	1	-	\$750
Final Vibration Monitoring reports	\$1,800	1	-	\$1,800
Mobilize to site to relocate seismographs	\$300	90	-	\$27,000
Subtotal				\$39,150
Recurring Costs				
Item	Unit Cost	Qty.	Duration	Line Total
Equipment Use and Maintenance	\$850	6	12 months	\$61,200
Access to password-protected website	\$75	6	12 months	\$5,400
Monthly Vibration Monitoring Reports	\$600	1	12 months	\$7,200
Subtotal				\$73,800
TOTAL				\$112,950

Our pricing takes into account that additional measures may need to be implemented in order to achieve good remote data collection. You will be responsible for providing power to our vibration monitoring stations. If our monitors will need to be powered by batteries and/or solar power, then maintenance fees will be passed on to you.





## CLOSURE

Municon West Coast, Inc. is pleased to present this revised proposal for Vibration Monitoring Services at the San Mateo WWTP Upgrades Project in San Mateo. This proposal is based upon our correspondence with you and our prior experience at the site during the indicator pile program.

Per your request, we have assumed monitoring will be required for 12 months; recurring costs will remain the same if the actual duration is shorter or longer than the assumed duration.

We are happy to discuss any of the assumptions we have made and clarify any of the information herein. We look forward to the opportunity to work with you on this project.

Yours truly,  
**Municon West Coast, Inc.**

A handwritten signature in blue ink, appearing to read 'Tommy Poole'.

Tommy Poole, P.G.  
Senior Project Geologist

**reviewed by**

A handwritten signature in blue ink, appearing to read 'Matt Kokan'.

Matt Kokan, M.Sc., P.Eng (BC, AB)  
Director





## **TERMS AND CONDITIONS**

1. Municon West Coast, Inc. holds DIR #1000059972 but by definition provide “exempt” consulting services.
2. We are not a contractor, labor, trade nor union signatory. No certified payrolls.
3. Payment within 30 days of invoicing. No retention.
4. Municon West Coast, Inc. offers to provide the insurance coverages it presently holds up to its existing limits, at all times the scope of work is being performed.
5. No indemnification of any person’s active negligence.
6. We request a minimum of five days to review the contract agreements offered by you, the insurance requirements, and an allowance of a minimum 72 hours to receive any certificates of insurance.
7. Access arrangements to be provided by project owner unless explicitly offered herein.
8. These unit price rates for equipment deployments/removals, use, reports, and maintenance apply if durations exceed projected durations. Rates are not pro-rated.
9. Unless specifically called for or explicitly offered herein, written interpretations or professional opinions, and other data reports are not included.



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

Questions	Response	Response
<b>Project Scope</b>		
2.1 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of the plans and specifications (including appendices), and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.2 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit A - Scope of Work Directive, and any exceptions in this Bid Form.	No	No
2.3 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit B - Instructions to Bidders, and any exceptions have been listed in Question 3.1 of this Bid Form.	No	No
2.4 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit C - Project Schedule (if a Schedule was provided), and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.5 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit D - Sundt Safety System Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.6 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit E - List of Contract Documents, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	No
2.7 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit F - Quality Systems Manual, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	No
2.9 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit G - Textura Overview and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.10 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all flow-down requirements of Exhibit H - Prime Contract, and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	No
3.1 - Identify any items included in this Bid, and related to the work of this Bid Package, that are not in compliance with the Bidding Documents.	Project Exclusions: 1.Excavation and shoring. (see app price	See proposal
3.2 - Identify any and all elements related the work of this Bid Package that are excluded from this Bid, or related elements that are assumed by Bidder to be provided by others.	Project Exclusions:1.Noise and Vibration monitoring.2.Loading	See Proposal
3.3 - Clarify design elements that are absent from the Bidding Document effecting the warrantability of the work to be provided under this Bid Package.	The above pile maximum factored tension capacity is 75 kN	N/A
3.4 - Shop drawing and submittal preparation lead time:	2 Weeks	2-3 weeks



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

3.5 - Fabrication & delivery lead time:	6-7 Weeks	4-5 weeks
3.6 - Qualifications or exceptions to any procedures described in the Instructions to Bidders shall be listed below. This includes any exceptions to the Sample Standard Form of Agreement.	Exhibit A,B and PLA instructions were not made available	See Proposal and marked up sample subcontract
Form of Agreement, and (a) agrees to all the terms and conditions of the Sample Form of Agreement, or (b) has provided Sundt with a redlined copy of the Sample Form of Agreement, or (c) has provided Sundt with a list of specific exceptions referenced by paragraph number. Note that failure to sign this acknowledgment may result in this Bid being considered non-responsive and subject to disqualification.	(b) Bidder has provided a redlined copy of the Sample Form of Agreement	(b) Bidder has provided a redlined copy of the Sample Form of Agreement
6.0 - The bidder acknowledges the right of Sundt Construction, Inc. and/or the Owner to reject any and all bids, and to waive any informality or irregularity in any bid received, or to negotiate contract terms with the various Bidders, when such is deemed by Sundt Construction, Inc. and/or the Owner to be in the best interest of the Project. (Electronic Signature)	Wyatt Gregory	Mike Lindsay
4.0 - Markups and Fess for Changes in the Work - Additional Self-Performed Work - Overhead & Profit (in percent):	15%	20%
4.1 - Markups and Fees for Changes in Work - Additional Second Tier Subcontractor Work - Overhead & Profit (in percent):	15%	10%
4.2 - Markups and Fees for Changes in Work - Deductive Self-Performed Work - Overhead & Profit (in percent):	5%	15%
4.3 - Markups and Fees for Changes in Work - Deductive Second Tier Subcontractor Work - Overhead & Profit (in percent):	5%	5%
5.0 - MBE/WBE Participation - Amount of participation by certified firms included in net bid (100% if bidder is certified) represented by percentage:	N/A	0%
5.1 - MBE/WBE Participation - Amount of participation by Certified Firms included in net bid (2nd, 3rd Tier Subcontractors/Suppliers) represented by percentage:	N/A	0%
5.2 - MBE/WBE Participation - Dollar Value of participation included in Net Bid:	N/A	0% included in base price however for premium we can in
2.11 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit I - City of San Mateo Business cooperation/Use tax enhancement program and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.12 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit J - City of San Mateo Contractors Questionnaire and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	No
2.13 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit K - San Mateo WWTP - BAAQMD Scope requirements - Basic construction mitigation measures and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	No



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

2.14 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit L - Prevailing Wages and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.15 - In submitting this Bid as described herein, Bidder confirms they have read, understand, and are in full compliance with all requirements of Exhibit M - Lean Construction and any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.16 - Bidder certifies that they have included all required spare parts, training, submittals, O&M manuals, shop drawings and installation checks, etc. as listed in the Specifications. Any exceptions shall be listed in Question 3.1 of this Bid Form.	Yes	Yes
2.17 - Bidder certifies that the price listed on this Bid Form is a firm price through the final delivery of the equipment/materials proposed herein, and that no material escalations will be accepted as part of any subsequent Agreement. Any exceptions have been listed in Question 3.1 of this Bid Form.	Yes	Yes
2.18 - In submitting this Bid as described herein, the Bidder confirms that they are in agreement with, understand, and have included any additional costs that may be associated with providing all warranties as stated within the Bidding Documents including applicable Specifications.	Yes	Yes
2.19 - In submitting this Bid as described herein, Bidder acknowledges that a complete SUBCONTRACTOR QUALIFICATION FORM, and its associated requirements, must be complete before Sundt will consider issuing a Subcontract. Please contact Andre Castaneda at 480-293-3130, acastaneda@sundt.com to validate your company's prequalification status.	Yes	Yes

**Code Scope**

All training required to meet manufacturers or industry standards is to be included including any trade qualifications required. If "No" is selected, please explain.	Yes	Yes
Perform all work in accordance with plans, specifications and all applicable local, state and federal codes and standards. If "No" is selected, please explain.	Yes	Yes
Subcontractor will adhere to all requirements of Sundt's site specific and standard safety policies without exception. If "No" is selected, please explain.	Yes	Yes
the intended work activities. Subcontractor equipment is subject to inspection at the discretion of the CMAR. Equipment that does not conform to the National, State, Local and Site requirements and manufacturer specifications shall be promptly repaired or replaced with equipment acceptable to CMAR without additional cost to the CMAR and without delay to the schedule. If "No" is selected, please explain.	Yes	Yes
Equipment shall be properly maintained and be free of oil, fuel or chemical leaks. Containment and protection against leaks and spills will be installed in accordance with local and state requirements. Subcontractor shall immediately report, clean and properly dispose of any oils, fuels, or chemicals spilled onto the project site, including any spill contaminated soils. If "No" is selected, please explain.	Yes	Yes
Subcontractor will participate in Sundt Construction scheduling meetings including all required Lean Pull Planning Sessions, 6 weeks look ahead meetings (held weekly) and other meetings as required to ensure accuracy and completeness of Sundt Construction Schedule. Subcontractor shall attend other meetings as required to coordinate, plan or otherwise participate with project teams. If "No" is selected, please explain.	Yes	Yes
Subcontractor shall comply with project Storm Water Pollution Prevention Plan (SWPPP) as pertains to their Work. Project specific SWPPP requires Best Management Practices (BMPs) to be in place prior to any excavation. BMP coordination is the responsibility of the Subcontractor. Subcontractor shall protect all SWPPP BMP installations from damage and repair any damage to BMPs caused by Subcontractor's actions. If "No" is selected, please explain.	Yes	Yes
Cleanup of work area to be completed daily. Subcontractor is required to maintain a neat and orderly work area free of debris. If "No" is selected, please explain.	Yes	Yes



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

Subcontractor will provide auditable quantities of units installed on a weekly basis in a format similar to the WBS as shown on the bid breakdown. Scope progress and payment progress will be based on rules of credit developed in conjunction with Sundt upon award of contract. Upon award subcontractor will provide adequate cost breakdown as required to fill out progress tracking reports. If "No" is selected, please explain.	Yes	Yes
Project Specific - As a bay area project, the City of San Mateo has requested that we utilize, to the greatest extent possible, "local" labor. Upon award, the selected subcontractor for this scope of work will provide a local labor hire plan for review and approval. Local hire plan will demonstrate good faith effort and best practices for hiring of local labor. "Local" is considered to include all localities within the 9 bay area counties. If "No" is selected, please explain.	Yes	Yes
Project Specific - The City of San Mateo has implemented a Project Labor Agreement (PLA) on the project. Subcontractor is required to review the PLA terms and provide any cost adjustments needed. If "No" is selected, please explain.	No - Explanation: Information not provided in plan room	Yes
Project Specific - The Project is subject to Prevailing Wage Rates and Certified Payrolls. Subcontractor will adhere to all requirements of the California Department of Industrial Relations including labor rates and apprenticeship requirements. See Exhibit N_Prevailing Wages and Attachment 1_Sample Agreements for additional direction. If "No" is selected, please explain.	Yes	Yes
applicable WIFIA funding requirements including, but not limited to, American Iron & Steel requirements. In addition, WIFIA requires that the project includes Davis Bacon Labor requirements. Subcontractor will review Prevailing Wage and Davis Bacon Labor and include the more stringent of the two. WIFIA funding requirements can be found here: <a href="https://www.epa.gov/wifia/wifia-resources#handbook">https://www.epa.gov/wifia/wifia-resources#handbook</a> If "No" is selected, please explain.	Yes	Yes
Pile lengths extending above cut off elevation will be considered as waste. Subcontractor will stockpile all pile cut-off material. Loading and haul-off will be done by others. If "No" is selected, please explain.	Yes	No - Explanation: see proposal
Precast prestressed concrete piles produced by an active member of Prestressed Concrete Institute. If "No" is selected, please explain.	Yes	Yes
Provide piles manufactured by a plant which has regularly and continuously engaged in the manufacture of piles of same type as those required for a minimum of three (3) years. If "No" is selected, please explain.	Yes	Yes
Pile manufacturer's testing facilities to meet requirements of ASTM E329. If "No" is selected, please explain.	Yes	Yes
Subcontractor must have a minimum of five (5) years experience installing piles with similar quantity under similar soil conditions. If "No" is selected, please explain.	Yes	Yes
Subcontractor shall submit records for a minimum of three (3) previous installations of the required type of pile and in similar soil conditions. If "No" is selected, please explain.	Yes - Explanation: Please see attached list with Proposal	Yes
Subcontractor shall submit their certifications. If "No" is selected, please explain.	Yes	Yes
Subcontractor shall employ the services of an independent testing laboratory to perform all required pile concrete testing and fabrication Special Inspection per the Building Code. If "No" is selected, please explain.	No - Explanation: Potential conflict of interest. Scope typically covered by owner.	No - Explanation: see proposal
Subcontractor shall comply with Quality Control standards listed in the specification during the production of the piles. If "No" is selected, please explain.	Yes	Yes



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

It will be the responsibility of the Subcontractor to coordinate work daily with site supervision to prevent any delays that may be caused to other trades. If "No" is selected, please explain.	Yes	No - Explanation: see proposal
Perform all activities related to the installation of drilled Prestressed Precast Driven Piles including but not limited to the drilling, supply and installation of piles, testing, and support equipment If "No" is selected, please explain.	Yes	Yes
Subcontractor is responsible for on-site handling, loading, and the off-site disposal of all spoils and excess material resulting from this scope. If "No" is selected, please explain.	No - Explanation: Reference question #33	No - Explanation: see proposal
Subcontractor shall coordinate on-site roadway usage and follow all required restrictions. If "No" is selected, please explain.	Yes	No - Explanation: see proposal
Any required excavation plans, environmental plans, hazardous material plans and or other plans and certifications required to complete this scope of work. If "No" is selected, please explain.	No - Explanation: N/A	No - Explanation: see proposal
Subcontractor is responsible for stockpiling pre-drill soils. Loading and haul-off will be done by others. If "No" is selected, please explain.	Yes	Yes
Pile contractor to install rebar within casted dowel. Timing of work needs to be coordinated with concrete subcontractor. If "No" is selected, please explain.	Yes	Yes
Precast Piles will be installed over 2 phases with substantial downtime between them. Pile subcontractor to demobilize equipment at the end of Phase 1 and re-mobilize for Phase 2 scope.	Yes	Yes
Phase 1 Scope includes: All Pre-cast piles not included in Phase 2 Scope plus 32 additional piles for Tower Crane foundations (not shown on drawings)	Yes	Yes
Phase 2 Scope includes: 1.) Process Area 51; Pre-cast Piles > 90' Cut-off Elevation, 2.) Process Area 56; Pre-cast Piles > 90' Cut-off Elevation, 3.) Process Area 64; Pre-cast Piles > 90' Cut-off Elevation, 4.) Process Area 70; All Pre-cast Piles, and 5.) Admin Bldg Area 80; All Pre-cast Piles with the exception of the first row adjacent to the WWTP Structure (part of Phase 1 scope).	Yes	Yes
Phase 1 Scope requires mobilization of additional Pile Driving Equipment to support 2 crews once cleared to drive Production Piles.	Yes	Yes
Pile subcontractor to provide average productivity rates (piles/day) for each Pile Driving crew as part of the bid submittal.	Yes	Yes
each Process Area. Pile subcontractor acknowledges that fabrication of Production piles cannot start for that Process area until the Engineer approves the Indicator PDA report submittal for that Process Area. This could result in significant downtime of mobilized equipment before Production Pile driving can start.	Yes	Yes
Pile subcontractor responsible for evacuation of groundwater from the pre-drill cavity and then backfill of the pre-drill cavity per the specifications.	Yes	No



**Project: San Mateo WWTP - GMP2 - Piles**  
**Code: 3162 - Precast Prestressed Concrete Piles**



Companies:	Foundation Constructors	Condon Johnson & Associates Inc.
Contact Name:	Wyatt Gregory	Mike Lindsay
Phone:		
Qualification:	Yes	Yes
Last Response Date:	12/19/2019	12/19/2019
Subcontractor Quote:	\$ 11,375,247.50	\$ 11,987,610.00

**General Information**

Pile subcontractor to submit a noise reduction plan for the Pile Driving operation. This should include the anticipated noise level (dB) reduction and any supporting performance test data that support the stated reduction.	Yes	No
Pile sub noise reduction plan for the Pile Driving operation. This should include the anticipated noise level (dB) reduction and any supporting performance test data that support the stated reduction.	Yes	No
Number of Type 1 Piles:	1522	1522
Number of Type 2 Piles:	101	101
Number of Type 3 Piles:	152	152
Number of Type 4 Piles:	175	175

**Bid Breakdown**

Item Description	UOM	Quantity	\$ Unit Price	\$ Total	Quantity	\$ Unit Price	\$ Total
Initial Mobilization	LS	2	\$60,000.00	\$ 120,000.00	1	\$152,640.00	\$ 152,640.00
Mobilization - Additional	LS	1	\$60,000.00	\$ 60,000.00	2	\$55,000.00	\$ 110,000.00
<b>Primary Foundation Piles</b>							
Type 1 - Driven Piles	EA	1,504	\$5,000.00	\$ 7,520,000.00	1,504.00	\$5,090.00	\$ 7,655,360.00
Type 2 - Driven Piles	EA	101	\$6,250.00	\$ 631,250.00	101.00	\$5,230.00	\$ 528,230.00
Type 3 - Driven Piles	EA	152	\$6,562.50	\$ 997,500.00	152.00	\$5,980.00	\$ 908,960.00
Type 4 - Driven Piles	EA	131	\$5,568.70	\$ 729,499.70	131.00	\$6,195.00	\$ 811,545.00
<b>Tower Crane Foundation Piles</b>							
Type 4 - Driven Piles	EA	32	\$5,568.70	\$ 178,198.40	32.00	\$6,195.00	\$ 198,240.00
<b>Yard Pipe Piles</b>							
Type 1 - Driven Piles	EA	13	\$5,000.00	\$ 65,000.00	13.00	\$5,090.00	\$ 66,170.00
<b>Additional Piles</b>							
Type 1 - Driven Piles	EA	5	\$5,000.00	\$ 25,000.00	5.00	\$5,090.00	\$ 25,450.00
Type 4 - Driven Piles	EA	12	\$5,568.70	\$ 66,824.40	12	\$6,195.00	\$ 74,340.00
Demobilization	LS	0	INCL \$	-	1	\$20,000.00	\$ 20,000.00
Perimeter Sheet Piling - BioActiflo	LS	1	\$211,000.00	\$ 211,000.00	1	\$287,000.00	\$ 287,000.00
Storm Water Events	EA	12	\$21,000.00	\$ 252,000.00	12	\$21,000.00	\$ 252,000.00
Vibration Monitoring	LS	1	\$117,450.00	\$ 117,450.00	1	\$117,450.00	\$ 117,450.00
Survey and Layout	LS	1	INCL \$	-	1	\$104,700.00	\$ 104,700.00
Sound Mitigation	LS	1	INCL \$	-	1	\$274,000.00	\$ 274,000.00
Pre and Post Construction Condition Surveys	LS	1	\$16,500.00	\$ 16,500.00	1	\$ 16,500.00	\$ 16,500.00
Pile Cut-off (Assuming 5%)	LS	1	\$37,500.00	\$ 37,500.00	1	\$37,500.00	\$ 37,500.00
Sound Wall Rental - 24' Tall	LS	1	\$88,525.00	\$ 88,525.00	1	\$88,525.00	\$ 88,525.00





81 Big Break Rd, Oakley, CA 94561 - Telephone (925) 754-6633 - Fax (925) 625-5783  
Contractors Lic. No.270761A DIR #100005585

## **GMP 2- Driven Precast Concrete Piling Bid**

Sundt Construction, Inc.  
Attn: Doug Lenz/ Andre Castaneda

Project Name: San Mateo WWTP Update and Expansion Project  
Project Address: San Mateo, CA  
PW # M83-17

Issue Date: 12/16/2019

Foundation Constructors Inc. (FCI) proposal in its entirety shall become a part of any subcontract agreement, should we be the successful bidder on this project. If there should be any conflict between these conditions and the subcontract, the terms and conditions of this proposal shall prevail.

### ***We propose to furnish all labor, materials, and equipment for the following:***

Installation of 1,950 each 16" SQ Precast concrete piles ranging between 80'-105' long totaling 163,320 lf for the lump sum price of \$10,442,000.00

### **Project Inclusions:**

1. 3 Single Rig Mobilizations (Equipment to remain onsite between all phases, see access requirements per qualifications)
2. Furnish 1,950 each 16" SQ Precast concrete piles ranging between 80'-105' long totaling 163,320 lf (Consisting of 1,1905 Production piles, 32 Tower crane piles, 13 Yard piping piles)
3. Installation of 1,950 16" SQ Precast concrete piles with hydraulic hammers with noise reduction shrouds
4. 10 Production Indicator Piles (to be installed in production locations)
5. 10 PDA load tests w/ restikes (to be completed on production piles)
6. 24" Ø Predrilling through Structural Stabilized Soil Section (SSSS)
7. Backfilling/Grouting of 24" Ø predrilled annular space through SSSS with 200psi CLSM/Cement Grout (Annular space around pile to be grouted up to cuoff elevation, remainder of hole backfilled with drill spoils)
8. 14" Ø Predrilling beyond SSSS predrill depth (as required)
9. Stockpile of drill spoils (Off Hauled and removed by others)
10. Indicator Pile cut offs (1 cutoff per pile, 10 total)(**see Unit price #4 and 5 for additional pricing**)
11. Furnish and installation of dowels (8 dowels per pile, 15,600 total)
12. Furnish, installation, and removal of wood cushion blocks (2 per pile, 3,900 total)
13. Flagging of pile and equipment deliveries.
14. Pile Layout (as-builts by others)
15. Engineering and Shop drawings
16. Backfilling top of predrilled holes with access rock layer material.

### **Project Exclusions:**

1. Noise and Vibration monitoring.
2. Location and protection of utilities and adjacent structures.
3. Traffic Control, Barricades, and Street Cleaning. (exluding flagging of deliveries)
4. **Excavation and shoring. (see Unit price #4)**
5. Dewatering of shoring and standing stormwater.
6. Pile As-builts.
7. Off haul and disposal of drill spoils.
8. Off haul and disposal of Pile Cutoffs. (if required)
9. Any/all permits will be provided by others
10. Protection of any adjacent properties or structures from any damages caused by pile installation.
11. 3<sup>rd</sup> party testing, inspection services, and pile installation record keeping.
12. Static load testing
13. Production Pile cutoff (if required beyond indicator cutoff)



14. Pile markers/Center dowel (if required by others)
15. Workers Compensation and General liability insurance. (to be provided in OCIP)

**Qualifications:**

1. All permits (excluding hauling permits) shall be by others.
2. Piling shall be driven to specified tip or refusal, whichever comes first.
3. All overhead or underground obstructions shall be removed by others prior to mobilization.
4. Flat, level, firm all weather pad and access to be provided for all FCI equipment and support equipment. Maximum reach from center pin of equipment to center of pile locations not to exceed 25'. Any ramp access must be mutually agreed upon prior to site mobilization and shall not exceed a slope of 1:10. Access roads to be provided by others, and must be a minimum of 25' wide with a maximum grade of 5%.
5. Adequate, mutually agreed upon staging area for stockpiling material and erecting our equipment shall be provided by General Contractor. Access will be required onsite to store crane between phases, we will require a minimum of 30'x60' to store our crane for this time.
6. Pricing is based on working 8-hour shifts, Monday through Friday, between 7:00am and 5:00pm.
7. General Contractor shall provide access and excavate a minimum of 50 piles for each mobilization of doweling crews. Each additional mobilization for doweling less than 50 piles will be charged at \$1,500 day.
8. Access must be allocated for stockpiling and staging of pile material before/during piling scope. A minimum of 2 areas approximately 30'x110' will be required onsite to maintain production schedules. Full time Trucking lanes will also be required for the duration of the piling scope with a minimum of 13' width and at least 1 entry and 1 exit.
9. General contractor shall provide complete site access for duration of piling scope without interference from other trades with a safe "110 ft fall zone" buffer.
10. This proposal is valid for 30 days.
11. Price includes risk of materials, equipment, and labor escalation for scope of work described in this proposal.
12. **Material on Hand to be payed within 45 days of material delivery at 100% of material value. Material value approximately 65% of full contract value.**

**Unit Prices:**

1. Add \$60,000 for each additional Driving rig required for production phase.
2. Add \$71/LF for additional pile length then the quantity listed above. Price only valid prior to casting.
3. Deduct \$39/LF for subtracted pile length from the quantity listed above. Price only valid prior to casting.
4. Add \$400 per each additional pile cutoff beyond the 14 indicator piles. Price is good for cutoffs up to 5' long.
5. Add \$800 per each additional pile cutoff beyond the 14 indicator piles. Price is good for cutoffs longer than 5'.
6. Add \$211,000 to Furnish and install one 90'x34' cofferdam for Area 2 Clarifier with a maximum retention Hight of 10'. Price is based on temporary sheet pile shoring that is to be abandoned in place. Sheet piles are not water tight.
7. Deduct \$85,000 to substitute a Diesel Hammer system with sound shroud instead of hydraulic hammer system. Sound Shroud is still capable of reducing hammer noise levels by 8-9 dBA. Diesel hammer system will also accelerate schedule by a minimum of one pile per day per crew over the hydraulic hammer system.
8. Add \$117,000 to Furnish and install one 10'x20' cofferdam for Elevator pit shoring with a maximum retention Hight of 7'. Price is based on temporary sheet pile shoring that is to be abandoned in place. Sheet piles are not water tight.

**Bid Documents:**

1. GMP-2 Drawings - Issued for Construction Set dated 10-28-19.
2. Geotechnical Report prepared by HDR dated 07-03-2019.

**This proposal is subject to the following Foundation Constructors general terms and conditions:**

1. Prime contractor/owner shall provide at no cost to ourselves:
  - a. Suitable all-weather roadways with level access and minimum 25 feet wide work areas. All reaches are not to exceed 25 feet from center-pin to pile location (for truck/crawler cranes) and 10 feet from center pin to pile location (for drill rigs) without the use of mats. Stock pile areas for materials will also be needed.
  - b. Protection of any adjacent properties from any damages caused by pile driving vibration.
  - c. Location and protection of utilities during pile driving operations, including all required USA notifications for piling.
  - d. Testing and inspection services, pile driving record keeping, and all engineering and design. No outside plant inspection.
  - e. Public safety measures including flagmen and barricades, shoring or sloping shall be in accordance with O.S.H.A. and F.P.I. requirements.
  - f. Permits.
2. Prime contractor shall remove at no cost to ourselves:
  - a. Any man-made or placed obstructions overhead or underground that interfere with pile driving operations, and pay our delay and/or extra work costs caused thereby. Unless otherwise agreed, excavation will be done to pile cut-off prior to pile driving.
3. Prices are based on:



## GMP 2- Driven Precast Concrete Piling Bid

PW#M83-17

Page 3 of 3

- a. Driving all piles in 2 continuous operation(s) in the most efficient sequence and include(s) rig mobilization(s) as specified above. The price for additional mobilization of each crane rig shall be the lump sum of \$ 65,000.00 each. Extra work or delay time costs calculated with labor and equipment rates provided in bid documents or \$1050.00 per pile driver hour. All back charges/claims must be signed by both parties.
  - b. Our providing only the following insurance coverage for our operations in the following amounts:  
Workman's Comp.: Statutory BI: \$1,000,000.00 PD: \$1,000,000.00.
  - c. Our performing our work under accepted prevailing local union labor conditions. Any costs to us caused by your non-compliance with union conditions shall be for your account.
  - d. Our working the standard shift Monday through Friday.
  - e. Should local noise abatement regulations require us to work premium or shortened driving shifts, equipment modifications, change of operating methods, etc., we shall be reimbursed for our added costs.
  - f. All pile locations must be a minimum of 30" from any non-removable structure to center of pile.
4. Prices do NOT include the following:
- a. Cost of any payment and/or performance bond
  - b. Pile extensions nor splices.
  - c. Excavation and dewatering.
  - d. Any liability for liquidated damages and liability for delays beyond our control to job schedule Job schedule must be accepted by Foundation in writing. We estimate that we can start 30 days after receipt of subcontract, approved shop drawing, notice to proceed, and materials.
  - e. Indemnification and additional insurance – Prime contractor shall defend and indemnify Foundation from all claims, losses, damage and injury occurring due to, or arising out of, Items, risks, or work excluded by Foundation herein, including design defects. Any Additional insurance provided by Foundation shall exclude from defense and indemnity the prime contractor's and/or owner's own independent negligence, and all damages arising out of said excluded items, risks and work. Foundation reserves the right to maintain self-insured retentions and deductibles in amounts economically available in the insurance market and requires that any additional insured to pay same in advance as a condition of any tender to the insurance carrier providing additional insurance.
  - f. Any pile that is broken or compromised by overdriving ordered by the owner/engineer shall be paid for as a completed pile.
5. Payment for 95% of the work completed the preceding month shall be received by the 10<sup>th</sup> of the following month. Retention should be released at the end of the completion of each phase and final retention shall be 30 days after last piles have been installed or November 2021. A charge of 1 ½ % per month (18% per year) will be charged on past due accounts. Payment in full shall be made if a break in the continuity of the work exceeds thirty-five (35) days.

Thank you for the opportunity to quote this work.

Accepted: \_\_\_\_\_  
Company

By: \_\_\_\_\_  
Authorized Signature Title

Date: \_\_\_\_\_

Respectfully submitted,

Foundation Constructors, Inc.

By: \_\_\_\_\_  
Wyatt Gregory – Sr. Estimator



## Pile Subcontractor Foundation Constructors - Project Exclusions:

1. Noise and Vibration monitoring. Vibration monitoring is carried as a separate price in the bid abstract that will be provided by Municon. Sundt will direct contract with Municon for these services. The GMP-2 Specs does not require Noise monitoring scope and has not been included in GMP-2.
2. Location and protection of utilities and adjacent structures. The Pile subcontractor is not responsible for excavation and locating utilities, only driving piles where the Engineer shows on the Contract Drawings. The Pile subcontractor is relying on the Contract Drawings to identify all the underground utilities. If an underground utility line is determined to be in proximity to a specified Pile location, potholing to physically locate it will be required.
3. Traffic Control, Barricades, and Street Cleaning. (excluding flagging of deliveries). Escort vehicles and flagging for all piles and support equipment deliveries will be covered by Foundation Constructors. Any additional site traffic control is carried in WC-0155 – Traffic Control.
4. Excavation and shoring. (see Unit price #4). All excavation will be handled by Evans Brothers. All shoring will be handled by Malcolm Drilling that was included in the GMP-1 scope.
5. Dewatering of shoring and standing stormwater. Dewatering and Treatment to be completed by Clear Creek. Evacuation of standing stormwater was carried as a separate bid abstract item.
6. Pile As-builts. Survey and Layout will be provided by the Pile subcontractor. Spec required Survey as-built costs is carried in WC-0180 Survey
7. Off haul and disposal of drill spoils. All disposal and haul-off of spoils is covered in the WC- 3100 Earthwork scope and will be covered by Evans Brothers.
8. Off haul and disposal of Pile Cutoffs. (if required). This scope of work is covered in WC-3100 by Evans Brothers.
9. Any/all permits will be provided by others. Hauling permits will be obtained by the Pile subcontractor. All other permits will be obtained by Sundt
10. Protection of any adjacent properties or structures from any damages caused by pile installation. Protection to utilities or adjacent structures is not included in Pile subcontractor scope and is not included in GMP-2.
11. 3rd party testing, inspection services, and pile installation record keeping. The Pile Subcontractor will conduct the PDA testing for the noted Indicator Piles on the Contract Drawings. All 3<sup>rd</sup> Party testing inspections, and blow count record keeping will be covered by HDR and/or Jacobs and is not included in GMP-2
12. Static load testing. Specifications only requires PDA testing. Static Load testing is not required nor included in GMP-2.
13. Production Pile cutoff (if required beyond indicator cutoff). Pile Subcontractor has included cut-offs for all required Indicator Piles. Sundt has included costs for cut-off of 5% of the Production Piles based on the recommendations from the Pile subcontractor and experiences on other projects.
14. Pile markers/Center dowel (if required by others). A center dowel in the Pile was requested by Sundt to install temporary flags to visually identify the location of the piles. It was determined this was not possible and this requirement was removed from the Bid documents.



# GMP 2 RFIs and Clarifications

- 1.) Sundt constructability review recommends all Process Drain sumps to be changed to a consistent 48" ID and 72" OD. This will require associated GMP-2 Drawing sheets and notes to be updated to reflect including revisions to Keyed Note 1 on Sheet 51S201, Keyed Note 2 on Sheet 52S202, and Keyed Note 1 on Sheet 56S203. As reviewed in a previous collaboration meeting with HDR/Jacobs, the plan is to drill large diameter bores and install a 72" ID steel casing that will be utilized as the exterior form of the sump structure. The drilling and steel casing installation will be executed in GMP-2. The forming, rebar, and concrete for the sumps will be completed in GMP-3.

Captured note(s): Phoenix indicated this is approved and the drawings have been changed to reflect. The changes will be released with the next formal release of the GMP-2 drawings. Sundt will include pricing for such in GMP-2 12/9 Teleconference Update: Item closed.

- 2.) Validate that all items listed under Spec 31 62 13 Section 3.12 Pile Report requirements and Sheet 00S006 Pile Special Inspections and Observation Notes and Table are the responsibility of either HDR, Jacobs, or the City. Sundt and Pile Subcontractor have not accounted for the cost of a 3<sup>rd</sup> Party Geotechnical Engineering services for these spec identified Inspections, Observations, and Reports.

Captured note(s): The interpretation above was validated. 12/9 Teleconference Update: Item closed.

- 3.) The RFC Spec 31 62 13 Section 3.6.A.1.c regarding filling the annular space between the 24" pre-drill hole and the 16" square pile now requires 4,000 PSI cementitious grout. This increase from the 90% Specification will require the addition of aggregate triggering delivery by cement trucks as opposed to on-site mixing and pumping of grout, which will increase cost of the project and logistic challenges down in the hole due to cement truck deliveries. The 90% GMP-2 Spec 31-62 13 Section 3.6.A.1.c requires 200 psi compressive strength for the filling of this annular space. Validate if the prior 200 psi compressive strength can be used for backfill of the SSSS around the Piles. If this remains at 4,000 PSI, that means concrete trucks will be required to come daily, potentially part loaded, to back-fill the Piles within the spec required 24 hour window. Also, GMP-1 Spec 31 23 00 Section 2.1.A.4.c backfill material for the Structural Stabilized Soil Section (SSSS) requires 170 psi compressive strength. Assumption is that GMP-1 Spec 31 23 00 Section 2.1.A.4.c will be utilized for SSSS backfill for all other backfill areas except the Pile backfill. In summary, Sundt is requesting clarification on the specification requirements on backfill of the SSSS areas around Piles and any other areas that will require it.

Captured note(s): The RFC specification will be modified to a requirement of 200 PSI compressive strength. 12/9 Teleconference Update: Item closed.

- 4.) The RFC Spec 31 62 13 Section 3.6.D requires all Piles to be re-tapped. This seems excessive and should be limited to the specified Piles designated as Indicator Piles. This will impact production pile productivity levels and costs. Validate the requirements regarding re-tapping.

Captured note(s): Phoenix will take another look at this. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con. 12/9 Teleconference Update: Foundation will circle back and re-tap the piles that have changed in elevation due to ground heaving. This typically happens within days of the original install. Item closed.



- 5.) RFC Spec 31 62 13 Section 1.4.B prohibits Pile Driving within 200 ft of any concrete that has not cured a minimum of 7 days. This requirement will essentially require all Pile driving to be completed prior to Concrete Start as this 200 ft limitation covers a huge portion of the WWTP structure. Please indicate the vibration level that is acceptable during concrete curing time and validate if the cure limitation period can be reduced from 7 days. Evaluate potential alternative to install vibration monitoring next to the concrete pour areas during the cure period to ensure max vibration levels are not exceeded rather than a fixed 200 ft offset requirement for simultaneous pile driving. Spec 02 00 11 Section 3.3C identifies a max vibration level at 1.5" per second or 30 ft distance offset. Sundt is requesting reconciliation of these 2 Specs. This Spec limitation as currently written could potentially add 6-7 months to the Project Critical path and will extend the overall Project schedule and costs.

Captured note(s): Phoenix will take another look at these restrictions. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con. 12/9 Teleconference Update: Doug to provide Phoenix a copy of the Test Pile Vibration monitoring report. Phoenix will review and make determination on this RFI #5. Item is still open. 12/15 Update: Phoenix will leave the 200 ft separation distance requirement in Spec 31 62 13, but will include an exception in the revised RFC specs to allow in lieu a 30 ft separation plus Vibration Monitoring to ensure the first 4 days of Concrete Curing in Pour areas remain below 0.5" per second (PPV). Phoenix will ensure Spec 02 00 11 Section 3.3C aligns with this. Item closed. 12/16 Clarification. HDR will leave the 200 ft separation distance and 7 day requirement in Spec 31 62 13, but will include an exception in 02 00 11:

- Relax the 200 ft/7 day requirement to 30 ft/4 days, if vibration monitoring is performed.
- Vibration shall remain below 0.5" per second (PPV) within 200 ft.
- Pile driving within 30 ft cannot occur during the first 4 days of placement.
- Phoenix will ensure Spec 02 00 11 Section 3.3C aligns with this.

- 6.) RFC Spec 31 62 13 Section 3.4.A, B, D Sections limits the start of Production Pile fabrication until after the submitted Indicator Pile Dynamic Testing (PDA) and CAPWAP analysis is submitted and approved by the Project Geotechnical Engineer (HDR). These Spec Sections as written will require a delayed start of Production Piling by 3 months (1 month Indicator PDA Testing/CAPWAP Report development, 1 month HDR Submittal Review/approval, and 1 Month to Fabricate/Deliver Production Piles). This 3 month period will add to the Project Critical path and extend the overall project schedule. Sundt is requesting identification of areas (in the lower 90' FFE elevation, i.e Phase 1 Piles) that can rely on the previous Test Pile PDA results. These "PDA non-dependent" lower elevation areas will enable Production Piling to start simultaneously while the PDA Indicator testing is occurring. These areas should include a minimum of 600 piles which will cover the typical production rate of a pile driving rig over the noted 3 months. In summary, identify areas in the lower elevation that Production Piling can immediately start in advanced of the PDA testing. In addition, identify specific areas tied to each Indicator pile that cannot be completed until those Specific PDA's are approved. Suggest some color mapping illustrating these areas utilizing Sheet 00S041.

Captured note(s): Ed thinks this it is doable to define areas that Production Piles are not tied to the Indicator Pile test results. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con. 12/9 Teleconference Update: Ed provided resolution on this via separate email with areas color coded that allow Production Piling to start in advance of the results of the Indicator Pile testing information. Item is closed.

- 7.) RFC Spec 31 62 13 Section 3.4.C Pile Dynamic Testing (PDA) requirement and development of the CAPWAP analysis is assumed to be completed by Sundt/Foundation Constructors. Validate if this is the responsibility of Sundt/Pile Subcontractor..

Captured note(s): This was validated... Sundt to include this work in Foundations Constructors scope. 12/9 Teleconference Update: Item is closed.

- 8.) RFC Spec 31 62 13 Section 1.1.C Unit Prices section has the potential to contradict with the Commercial terms of the Pile Subcontract. Sundt plans to utilize a lump sum contract and not unit pricing as inferred in this



specification. Sundt suggests that the Spec should only focus on the technical aspects of the Pile Driving and recommends this section be deleted from the Specs.

Captured note(s): Phoenix will take another look at these restrictions. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con 12/9 Teleconference Update: Phoenix will review this internally with HDR folks. Item is still open. 12/15 Update: Specification 31 62 13 Section 1.1.C can stand as written. Item is closed.

- 9.) RFC Spec 31 62 13 Section 1.5B limits delivery of piles after 28 days of curing. Piles are normally transported and delivered at 14 day cure time. The longer required cure time is going to present logistics issues at the Pile Fabricator yard. Sundt is requesting this spec section to be changed to 14 days. Actual driving of the Pile will not occur to the 28 Day cure period expires as noted on Sheet 00S006 Pile Design Schedule Note 2.C.

Captured note(s): Phoenix will take a look at this spec section and consider. 12/9 Teleconference Update: The specification as written will be fine. Kie-Con will not ship Piles until they have met the equivalent structural capacity of a 28 day cure. This is often obtained within 14 days. Item is closed.

- 10.) Pile subcontractor/fabricator has submitted proposal assuming that RFC Spec 31 62 13 Section 2.3.A.7 Air Entrainment will not be required. Requesting validation.

Captured note(s): Phoenix will take a look and determine if Air Entrainment is needed. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con 12/9 Teleconference Update: Natural air entrainment is 1.5-2.0%. This should be sufficient. Phoenix will modify the specification. Item is closed.

- 11.) Pile subcontractor/fabricator has submitted proposal assuming that RFC Spec 31 62 13 Section 2.7.C Cylinder testing frequency can change from the Spec required every 15 CY to 25 CY. Requesting validation.

Captured note(s): Phoenix will take a look and determine if the Cylinder Testing frequency can be reduced. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con. Teleconference Update: Cylinder testing frequency of once every 25 CY is approved. Phoenix will modify the specification. Item is closed.

- 12.) PDA indicator Pile #53-P97 on Sheet 53S201 is located within the deeper elevation Actiflo Process Area. In order to conduct PDA testing at this location, the Pile will need to be casted longer, PDA testing completed and subsequently cut-off to the final elevation level. Validate there are no issues with conducting a PDA test on this Indicator Pile in that manner. Alternatively, designate an adjacent Production pile as a replacement Indicator Pile that is not located in the recessed elevation areas.

Captured note(s): Ed will take a look and determine if some adjustments can be made. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con 12/9 Teleconference Update: Ed provided resolution on this via separate email. This Indicator pile will be relocated north 2 rows. HDR will change on Drawing Package. Item is closed.

- 13.) Indicator Pile #64-P11 is within close proximity of the original Test Pile #1. Can PDA data and CAPWAP analysis be used from the prior Test Pile effort in lieu of conducting a new PDA test? Similar question for Indicator Pile #52- P4.

Captured note(s): Ed will take a look and determine if some adjustments can be made. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con 12/9 Teleconference Update: Ed provided resolution on this via separate email. This Indicator pile is required. Item is closed.

- 14.) Based upon Pile Driver Hammer Impact Energy of 55,317 lb-ft applied to the formula in Section 3.2.A.2.b. in Spec 02 00 11, the spec requires survey and monitoring 118' ft away from the perimeter piles on a daily basis while Pile driving. Inspection and documentation of all structures within 59' of the perimeter piles is required by a Specialty Engineer before and after pile driving. Sundt is requesting additional clarification of how many survey points are required including the frequency as suggested in Section 3.2.A.3.



Captured note(s): Jennifer and HDR to review specification and provide clarity on what is actually specified compared to what is needed regarding Preconstruction Surveys, Surveying Points, Vibration Monitoring, and Noise Monitoring 12/9 Teleconference Update: Need to review expectations on this with Jacobs/PMO. Item is still open. 12/15 Update: See attached Monitoring and Mitigation Plan. Monitoring points and frequencies, including Facility Pre and Post Condition assessments, will be executed per the attached Monitoring and Mitigation Plan. Item is closed.

- 15.) Based upon interpretation of Section 3.2.A.2.a in Spec 02 00 11 and the fact that this project does have Pile Driving, this section does not apply to this project and Section 3.2.A.2.b does. This changes the influence radius from 200' down to 118' radius. Requesting validation on this interpretation.

Captured note(s): Jennifer and HDR to review specification and provide clarity on what is actually specified compared to what is needed regarding Preconstruction Surveys, Surveying Points, Vibration Monitoring, and Noise Monitoring. 12/9 Teleconference Update: Need to review expectations on this with Jacobs/PMO. Item is still open. 12/15 Update: See attached Monitoring and Mitigation Plan. Monitoring points and frequencies, including Facility Pre and Post Condition assessments, will be executed per the attached Monitoring and Mitigation Plan. Item is closed.

- 16.) Sundt suggests that the existing Test Piles be identified on the GMP-2 RFC Pile drawing sheets to understand relative locations to the new piles. These are permanent obstructions that need to be avoided.

Captured note(s): Phoenix indicated this will be included on the Pile Drawings. The changes will be released with the next formal release of the GMP-2 drawings. 12/9 Teleconference Update: This will be included on the drawings. Item is closed.

- 17.) Regarding the Pile Design Schedule Notes and Pile Design Schedule on Sheet 00S006 the following feed back was provided by the Pile Subcontractor Foundation Constructors. Review and provide subsequent direction on this.

Captured note(s): Phoenix is aware of these comments. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con. 12/9 Teleconference Update: This has been discussed. No resulting change required. Item is closed.

- 18.) Regarding the Pile Design Schedule Notes and Pile Design Schedule on Sheet 00S006, do all piles in the schedule require adherence to Note 4? Previous discussions indicated that there were some piles in the schedule where this doesn't have to apply to. Requesting clarification on what piles Note 4 does not apply to.

Captured note(s): This is related to Comment #17, Item D. This will be further discussed at the 12/4 teleconference with Sundt/Foundation Constructors/Kie-Con 12/9 Teleconference Update: This has been discussed. No resulting change required. Item is closed.

- 19.) Items included in the 12/12/19 email from HDR (Phoenix) included the following:

- We are adding 12 – Type 4 piles at the south of the headworks to support the slab that supports the above grade piping. (GMP-3 100% design progression)
- We are adding 5 – Type 1 piles at the expanded southern slab area of the chemical sodium hypochlorite area. (Title 22 implementation)
- We are transposing the coordinates in the Northing and Easting columns on the pile schedules for all structures except Admin Bldg. (PMO comment)



- We are adding survey control points to GMP-2 drawings to match GMP-1. (PMO Comment)
- Some administrative numbering of the piles will be modified in some areas, so they are sequential. (Permit comment and to accommodate new piles in Item 1 and 2 above)
- Additional 1 ½" turn of spirals will be shown, and annotated at each end of the piles. (Permit comment)
- Items discussed in GMP-2 RFI #10 will be incorporated. (Contractor input)

12/15 Update: The first 2 bullet items impacts the pile cost. Foundation Constructors is working on submitting a revised proposal to add these additional 17 piles which will be included in the GMP-2 resubmittal to the City/PMO. Bullet items 3-6 are anticipated to be changed on the final RFC GMP-2 release. Sundt will includes all the final response items recorded in this RFI #10 into the GMP-2 revised submittal package under the assumption that all response items will be incorporated in the final GMP-2 RFC release drawings and specs.





December 10, 2019

Proposal No. 1341

Doug Lenz  
Sundt Construction  
2620 S. 55<sup>th</sup> Street  
Tempe, AZ 85282

**Re: Proposal for Pre and Post Construction Condition Surveys  
San Mateo Waste Water Treatment Plant - Nutrient Removal and Wet Weather Flow  
Management Upgrade and Expansion Project  
San Mateo, California**

Dear Doug,

Municon West Coast, Inc. is pleased to present this proposal to provide Photo/Video Documentation for the San Mateo Waste Water Treatment Plant Upgrades Project. The planned improvements comprise of constructing new process facilities to meet future flows and loads. Substructure foundations will include over 2,000 precast concrete piles.

#### **PHOTO/VIDEO CONDITION SURVEYS**

We will provide a comprehensive existing conditions survey of the exteriors of buildings within 200 feet of precast concrete piles, as required in Specification 02 00 11 3.1D "Pre- and Post-Construction Surveys." We will conduct inspections of existing conditions and document observations with videos and photos. We have identified eleven (11) facilities/structures at the existing Waste Water Treatment facility, and ten (10) buildings at the All-American Self Storage facility that should be included in this survey (Figure 1).



Our comprehensive surveys will include observations of anomalies such as existing cracks, settlements and other defects. Defects observed during the survey will be documented with digital photographs and videos along with notes and sketches. You should make arrangements for us to access the facilities to be included in the surveys.

The costs for the Pre- and Post-Construction Surveys are summarized in Table 1. Our prices for this service include photographer's field time, travel time, processing, annotation, generation of the index of images, and assembly of the work product.

**Figure 1.** Facilities/structures to be surveyed outlined in red.





We will provide photographs as electronic images with date taken and other annotations embedded into the images. Separate videos will be recorded for each structure and will display time and date in the corner of the video image. Our work products will include digital copies of the original and annotated photographs, and video recordings saved to a USB flash drive. Photograph annotations will include photograph unique identifiers, photo number, address of the survey location, identity of the photographer, date and time of the photograph, and a brief description of the conditions observed. We will not provide hard copies/prints of the photos.

Table 1 – Pre- and Post-Construction Condition Surveys			
Item	Unit Cost	Quantity	Line Total
Prepare Existing Conditions Survey Work Plan	\$1,500	1	\$1,500
Perform Pre-construction Surveys	\$7,500	1	\$7,500
Perform Post-construction Surveys	\$7,500	1	\$7,500
Subtotal			\$16,500
TOTAL			\$16,500

We are happy to discuss any of the assumptions we have made and clarify any of the information herein. We look forward to the opportunity to work with you on this project.

Yours truly,  
**Municon West Coast, Inc.**

A handwritten signature in blue ink, appearing to read 'Tommy Poole'.

Tommy Poole, P.G.  
Senior Project Geologist

reviewed by

A handwritten signature in blue ink, appearing to read 'Anthony Argyriou'.

Anthony Argyriou, PE, GE  
Senior Engineer





## **TERMS AND CONDITIONS**

1. Municon West Coast, Inc. holds DIR #1000059972 but by definition provide "exempt" consulting services.
2. We are not a contractor, labor, trade nor union signatory. No certified payrolls.
3. Payment within 30 days of invoicing. No retention.
4. Municon West Coast, Inc. offers to provide the insurance coverages it presently holds up to its existing limits, at all times the scope of work is being performed.
5. No indemnification of any person's active negligence.
6. We request a minimum of five days to review the contract agreements offered by you, the insurance requirements, and an allowance of a minimum 72 hours to receive any certificates of insurance.
7. Access arrangements to be provided by project owner unless explicitly offered herein.
8. These unit price rates for equipment deployments/removals, use, reports, and maintenance apply if durations exceed projected durations. Rates are not pro-rated.
9. Unless specifically called for or explicitly offered herein, written interpretations or professional opinions, and other data reports are not included.



# Behrens and Associates, Inc.

Environmental Noise Control



December 16, 2019

Sundt Construction  
2620 South 55<sup>th</sup> Street  
Tempe, AZ. 85282

Attention: Doug Lenz; ddlenz@sundt.com

From: Jeff Obermeyer – Behrens and Associates, Environmental Noise Control

Subject: San Mateo Wastewater 16 ft high by 320 LF with gate STC-32 Proposal

Doug,

We have prepared the following cost proposal for the delivery, installation, rental, removal and return of a dual k-rail mounted 16 feet high STC-32 soundwall system for your Wastewater project in San Mateo, CA. This proposal is turnkey and includes K-rail and a 20 foot wide gate system.

## **ACOUSTICAL MATERIALS AND SYSTEMS RENTAL** **with TERMS AND CONDITIONS**

### **16 feet high Dual K-Rail Sound Wall**

1. **Freight / Delivery** of temporary sound wall materials including K-rail to site in San Mateo, CA.:  
..... **\$6,240.00**
2. **Installation** of 320 linear feet by 16 feet high ENC Style STC-32 acoustical blanket sound wall.:  
..... **\$24,200.00**
3. **Monthly Rental** of 320 linear feet by 16 feet high ENC Style STC-32 acoustical blanket sound wall.  
Includes concrete k-rail barriers, k-rail verticals, panels, straps and clamps and a 20 foot wide gate.  
320 linear feet of 16 feet high sound wall @ \$36.00 per linear foot:..... **\$11,520.00 per month**
4. **Monthly Sales and Use Tax** on rental for San Mateo, CA @ 9.25%:..... **\$1,065.60 per month**
5. **Removal** of 320 linear feet by 16 feet high ENC Style STC-32 acoustical blanket sound wall:  
..... **\$22,800.00**
6. **Freight / Return** of temporary sound wall materials to BAENC: ..... **\$6,240.00**
7. **Engineering and Calculation Package:** Site specific structural engineering and calculation package  
for 16 foot high system at your project located in San Mateo, CA: ..... **\$6,980.00**

### **Notes:**

Terms Net 30 Days. Quote valid for 30 days. Permits by others. Lead time engineering 2-3 weeks. Lead time materials 2-3 weeks. Requires quantity (30) 20-foot-long k-rails (type K) provided by BAENC. K-rail delivered by and placed in position by BAENC. Minimum 3-month rental. Freestanding portable panels are not designed for high wind conditions and may require additional structural support to meet wind loading requirements. No retention allowed. Prevailing wages for installation and removal included.

### **For questions or concerns, please contact:**

Jeff Obermeyer, West Coast - jobermeyer@baenc.com – Direct (310) 765-7355 or (310) 663-4516  
Hawthorne Office: 13806 Inglewood Ave, Hawthorne, CA 90250 – Phone (310) 679-8633

### **PROPOSAL APPROVAL**

To proceed, please complete this section and return via email to [caops@baenc.com](mailto:caops@baenc.com)

Approved by:

PO or AFE #:

Date:

Corporate Office: Hawthorne, California

Carson, California ~ Aledo, Texas ~ Napa, California ~ Longmont, Colorado ~ McDonald, Pennsylvania ~ Calgary, Canada

Phone 800-679-8633 ~ Fax 310-331-1538

[www.environmental-noise-control.com](http://www.environmental-noise-control.com) ~ [www.drillingnoisecontrol.com](http://www.drillingnoisecontrol.com)



# Behrens and Associates, Inc.

*Environmental Noise Control*



## **2019 Terms and Conditions**

The Lessor hereby rents to the Customer sound control systems, including but not limited to, sound walls, blankets, enclosures, equipment, sound measurement and monitoring instrumentation systems, and accessories described in the proposal, which are subject to the provisions of this Agreement. "Customer" refers to the company renting from Lessor, Behrens and Associates, Inc., dba Environmental Noise Control ("BAENC") and any other person or organization to which charges are billed: his employer, partner, or representative all of whom shall be jointly and severally liable hereunder. The above referenced equipment is the property of Lessor, except as otherwise provided herein, and shall be returned or released by the Customer in the same condition as received, excluding ordinary wear and tear, on the day specified or sooner upon Lessor's demand.

The equipment shall be used solely in Customer's business and be kept only at its place of business or job site and shall not be moved without prior written consent of Lessor. The Customer shall call the Lessor when it is ready to return the equipment. The customer shall be responsible for securing equipment from loss, theft, and/or damage until picked up by the Lessor.

With respect to equipment or any other rentals, all loss, or damage thereto, from any cause whatsoever while in the Customer's care, custody and control, whether or not due to the fault of the Customer, including but not limited to fire, flood, winds with speeds above the International Building Code standards, theft, comprehensive losses and Acts of God, shall be the sole responsibility of the customer and shall be charged back to the customer and paid to Lessor promptly upon receipt. Quoted prices are based on the location being ready on the specified day; that the customer has on-site security to protect equipment and material and the customer's site management has been briefed on the noise mitigation installation process. Rent is based on a minimum of 30 days. This quote presumes the installer will be able to auger pier holes in penetrable soil, with no underground or overhead obstructions. If rock drilling, Hydro-Excavation, or any other special installation techniques are required there will be additional charges of the direct cost plus 30%. If the customer requires our crew to work overtime the overtime cost will be charged back to the customer at cost plus 30%. Delays, worker waiting time or changes to the original structure quoted, not within the installer's purview, will be billed back to the customer, i.e. wall additions or changes requiring additional auguring, transportation costs and labor costs. A minimum of seven (7) calendar days is required prior to mobilizing on site. Requests to mobilize outside of the required time period, may result in additional costs. Lessor will in no event have liabilities for damages as a result of supplying equipment or its use of the same or furnishing of any service hereunder. Customer shall furnish underground utility locations or pay for underground utility locations provided by Lessor. Lessor is not responsible for any loss or damage caused by installation of equipment after underground utility locations have been identified and work is completed within a reasonable time thereafter whether caused in whole or in part by the negligence or fault of BAENC.

In the event of a loss, theft, or damage to equipment, Customer agrees to notify Lessor immediately by telephone and thereafter to promptly report in writing to Lessor and the public authorities (where required by law or by Lessor) all information relating thereto. Customer shall cause its agents and employees to give the Lessor and public authorities full access of information and assistance in the investigation and prosecution of any matter resulting from said loss, theft, or damage.

The Customer will indemnify, save harmless and defend BAENC, its employees and contractors, all liability and expense for loss, damage, death or injury to person or property in any manner arising from, or is incident to, the use of this equipment regardless of whether caused in whole or in part by the negligence or fault of BAENC.

Customer will maintain a commercial or comprehensive general liability insurance including but not limited to premises operations, products/completed operations, contractual liability and independent contractors and personal injury. Such policy shall name Lessor as additional insured with respect to premises operations and completed operations and be primary and non-contributing with any insurance maintained by Lessor. Any failure of performance by Lessor which is due to a cause beyond Lessor's control, including, but not limited to, acts of civil or military authority, Acts of God, labor difficulties, and failure of transportation, shall not be deemed a default by Lessor. Should Customer fail to pay any invoice to Lessor or in accordance with the terms of the Lessor's invoice, customer shall pay to Lessor, interest on such delinquent payment until paid at the lesser of 10% or the maximum rate allowable by the laws of the jurisdiction in which Lessor's branch office renting the equipment, is located. In addition to the rental payments called for in the proposal to furnish equipment, the Customer shall pay all taxes or impositions of any nature or kind imposed upon this transaction, (excluding only state and federal income taxes of BAENC) including but not limited to sales or use taxes, real property taxes or assessments, personal property taxes or assessments, and fixture or inventory taxes, regardless of how denominated or computed, regardless of the party upon whom the taxes are imposed, and irrespective of the timing or frequency of such assessments. Customer shall pay such amounts prior to delinquency upon receipt of a notice from the taxing authority or within ten (10) days of receipt of a notice from BAENC. The Customer shall also pay any interest or penalties assessed or imposed with respect to any tax or assessment which is not timely satisfied unless the cause of the default or delinquency giving rise to the interest or penalty is the failure of BAENC to provide timely notice to Customer. Customer agrees that subscription service charges necessary for timely payment of invoices may be subject to a change order and billed back to the customer.

To the extent permitted by applicable law, Customer hereby waives any and all rights and remedies granted to customer by article 2A of the Uniform Commercial Code.

Corporate Office: Hawthorne, California

Carson, California ~ Aledo, Texas ~ Napa, California ~ Longmont, Colorado ~ McDonald, Pennsylvania ~ Calgary, Canada

Phone 800-679-8633 ~ Fax 310-331-1538

[www.environmental-noise-control.com](http://www.environmental-noise-control.com) ~ [www.drillingnoisecontrol.com](http://www.drillingnoisecontrol.com)





## ENVIRONMENTAL NOISE CONTROL

### ACOUSTICAL K-RAIL / JERSEY BARRIER MOUNTED SOUND WALL

ENC's K-Rail/Jersey barrier mounted sound walls allow for **quick** and **easy** positioning and movement throughout the site to provide a flexible noise control solution for mobile equipment or operations. The K-Rail/Jersey mounted barrier panels can be **customized** to meet your needs, with heights from 8-16 feet. This product line is an effective solution if the site does not allow earth boring.



#### BARRIER BLANKET SPECIFICATIONS

- Sound Transmission Class rated STC-25, 32 & 43 in accordance with ASTM E-413
- Engineered to meet IBC Wind Load requirements
- Flame Retardant to California Fire Marshall F-419.01 Specifications  
Length of Char: 3.5, After Flame: 2 Seconds
- Working Temperature: -40 °F to +200 °F
- Oil resistant, UV resistant, Fiber-Free, Anti-Fungal, Self-Drying Poly-Vinyl Chloride Outer Shell with specially developed inner core septum barrier

**FREESTANDING ACOUSTICAL PANELS ARE NOT INTENDED FOR USE IN HIGH WIND CONDITIONS WITHOUT A SUPPORTING STRUCTURAL ANALYSIS**

#### TEMPORARY ACOUSTICAL NOISE BARRIER SYSTEMS

Designed to provide optimum sound control in blocking and absorbing unwanted noise.

#### ENVIRONMENTAL



#### ENTERTAINMENT



#### CONSTRUCTION



#### INDUSTRIAL



#### OIL & GAS



Learn more about commercial noise control at  
[www.environmental-noise-control.com](http://www.environmental-noise-control.com) or call us at 1-800-679-8633



# TEMPORARY NOISE BARRIER PANEL SYSTEM

At the heart of our temporary sound wall is our Environmental Noise Control (ENC) acoustical noise barrier panel system, which is manufactured using state-of-the-art acoustical composite materials. Our sound panels are fabricated with a polyvinyl-chloride coated outer shell, multiple layers of noise absorbing and blocking material and feature a specially developed septum barrier inner core. The ENC temporary sound wall system is available from 6 to 40 ft. high.

## Temporary Sound Panel Systems



**FREE  
STANDING**

**AUGERED  
STRUCTURE**

### Sound Transmission Loss (dB)

% Octave Band Center Frequency	STC 25 Transmission Loss	STC 32 Transmission Loss
63 Hz	8 dB	16 dB
80 Hz	10 dB	20 dB
100 Hz	11 dB	18 dB
125 Hz	10 dB	16 dB
160 Hz	7 dB	16 dB
200 Hz	7 dB	17 dB
250 Hz	11 dB	19 dB
315 Hz	17 dB	23 dB
400 Hz	23 dB	26 dB
500 Hz	28 dB	32 dB
630 Hz	33 dB	34 dB
800 Hz	36 dB	35 dB
1000 Hz	39 dB	35 dB
1250 Hz	41 dB	36 dB
1600 Hz	41 dB	36 dB
2000 Hz	40 dB	36 dB
2500 Hz	41 dB	37 dB
3150 Hz	44 dB	39 dB
4000 Hz	46 dB	40 dB
5000 Hz	50 dB	43 dB

**The modular design of ENC's temporary sound panel systems meets or exceeds code requirements.**

An independent acoustical laboratory has conducted tests in accordance with ASTM E-90 and ASTM E-413 requirements, to measure sound transmission loss and validating the Sound Transmission Class rating of STC-25, STC-32 and STC-43. The ENC composite barrier/absorber blankets, which are laboratory tested and certified, meet or exceed the specifications in the Sound Transmission Loss Data Table.

**1 (800) 679 8633 | International +1 310 679 8633 | [www.environmental-noise-control.com](http://www.environmental-noise-control.com)**

**CORPORATE OFFICE**  
Hawthorne, CA

**REGIONAL OFFICES & FIELD OPERATIONS**  
Aledo, TX; Carson, CA; Firestone, CO  
Napa, CA; Shreveport, LA; Washington, PA  
Calgary, Alberta

For more information on our quality products or possible applications, please see our website or call to speak with one of our ENC representatives. Rapid engineering and deployment response is available worldwide.

**Behrens & Associates, Inc.**  
*Environmental Noise Control*



**ENVIRONMENTAL  
NOISE CONTROL**







# G—GMP2 Risk Matrix



SUNDT



GMP-2 Risk Summary - Owner Contingency



Item	Risk	Description	Probability of Risk Occurrence	Cost Impact of Occurrence	Schedule Impact of Occurrence	Recommended Owner's Contingency Amount
1	Unknown Subsurface Conditions	With 1,950 precast concrete piles to drive, there is a relatively high potential that some buried obstructions (concrete, trees, other debris) will be encountered subsurface when driving piles.	High	Medium	Medium	\$450 K
2	Additional Sound Mitigation	Cost for additional noise attenuation measures that may be required. This includes perimeter extension of the Temporary Sound Wall beyond what is included in the GMP for the West site boundary.	Medium	Medium	Medium	\$125 K
3	Additional Piles to support Yard Piping/Miscellaneous	Potential that additional Yard Piping Piles will be needed and/or other Miscellaneous Piles to support perimeter site walls, gates, light poles, and slabs.	Medium	Medium	Medium	\$175 K
4	Groundwater/Stormwater Constituents	NPDES Discharge Permit and Dewatering Treatment system designed based upon Groundwater analysis and reports performed by Owner's Environmental Engineer. Potential that actual groundwater contaminants could vary over time. Impact of Lime Subbase Stabilization on Groundwater and Stormwater that is conveyed to the Dewatering Treatment System is unknown. Potential risk of Lime Stabilized Subbase raising Stormwater alkalinity levels that could create Chromium VI issues.	Medium	Medium	High	\$100 K
5	Post RFC Pile Design Addendum Releases	Contingency funds to cover potential scope changes from post RFC Pile Design Addendums/Directives.	Medium	Medium	Medium	\$20 K
6	Owner Directed Scope Adds and Changes	Owner directed GMP-2 scope adds and changes	Medium	Medium	Medium	\$250 K
7	High Intensity Rainfall Event and/or Season	Contingency funds to deal with extreme rainfall events and/or an extreme rain fall season. Cost includes associated additional Stormwater pumping and Dewatering Treatment capacity to enable extreme event stormwater evacuation from the site, along with other impacts on construction productivity. Quick evacuation of standing stormwater is critical to mitigate potential of the Lime Stabilized Subbase raising the water alkalinity levels that could create Chromium VI issues.	High	Medium	High	\$250 K
8	Additional Pile Cut-offs	Potential that a significant amount of piles will require cut-off in the field that end up exceeding the 5% carried within the GMP amount. Cost carried represents the amount to increase this occurrence to 10% of the Piles.	Medium	Medium	Medium	\$50 K
9	Indicator Pile PDA Field Testing Results	Indicator Pile PDA Field Testing could reveal the requirement to lengthen Piles in select areas of the site. Owner Contingency carried to cover Pile Subcontractor quoted \$71/ln ft additional costs. Assumed 500 piles requiring 5 ft additional length (plus markups).	Medium	Medium	Medium	\$200 K
10	Community Outreach	Cost carried to fund Community Outreach type activities to proactively communicate GMP-2 scope and impacts on the surrounding neighborhoods and to sustain outreach effort through the GMP-2 duration.	Medium	Medium	Medium	\$25 K
GMP-2 - Total Owner Contingency						\$1,645 K



# GMP-2 Perimeter Mitigation & Monitoring Plan

## Legend

- Ground Settlement Survey Monitoring (10 locations 407-416)
- Vibration Monitoring Points (4 locations, V1-V4)
- Groundwater Level Observation Well (4 locations, P1-P4)
- Sound Measurement Points (5 locations, S1-S5)
- CSM Shoring/Groundwater Cut-off Wall Perimeter
- - - Boundary limits of Pre and Post Condition Surveys
- - - Phase 1 Pile Driving – 24 ft. High Sound Wall
- - - Phase 2 Pile Driving – 16 ft High Sound Wall
- - - Phase 2 Pile Driving – 16 ft High Sound Wall Extension (if req'd)

## General Notes

1. This plan outlines Pre and Post Condition Surveys, Ground Settlement Survey Monitoring, Vibration Monitoring, Sound Monitoring, Groundwater Monitoring, and employed mitigation measures for noise and groundwater drawdown.
2. Ground Level monitoring points will be surveyed 3 days/week for the first 3 months of Pile Driving and then reduce to once a month to monitor potential surface settlement or heave.
3. Continuous Vibration Monitoring to ensure Peak Particle Velocity (PPV) remains below 1.0 in/sec at measuring points.
4. Groundwater Level will be continuously monitored and recorded at the recently installed perimeter Observation Wells.
5. Pre-Condition Survey of adjacent facilities to be performed and documented 30 days prior to Pile Driving start. A Post-Condition survey will occur after Pile Driving completion.
6. Sound walls will be installed to align with Phase 1 Pile Driving (lower elevations) and Phase 2 Pile Driving (higher elevations).
7. Sound readings will be taken once a week during Pile Driving operations and logged.
8. The 60' deep perimeter Cut-off Wall establishes drawdown boundaries to minimize impact on external groundwater levels.
9. Pile Driving equipment limited to Hydraulic Hammers plus Shrouds that will lower the typical sound dB levels. Pile driving restricted to Mon-Fri daytime operational hours.





A photograph of a large industrial valve, likely a gate valve, with a prominent red handwheel. The valve is mounted on a concrete base. A horizontal pipe extends from the valve, labeled "SOD HYPO". The background shows a clear blue sky with some clouds. The image is framed by red diagonal borders in the top-left and bottom-right corners.

# H—List of Documents



# GMP2 BIDDING DOCUMENTS LIST

**PROJECT:** San Mateo WWTP GMP2

**DOCUMENT DATE:** 12/19/2019



**SUNDT**

Name	Document #	Rev.	Status	Issued
<b>Bid Addenda</b>				
Addendum #1 - 08-12-2019 (From original bid release)	NA	NA	NA	Addendum 1
Addendum # 2 - 08-13-2019 (From original bid release)	NA	NA	NA	Addendum 2
Addendum # 3 - 08-16-2019 (From original bid release)	NA	NA	NA	Addendum 3
Addendum # 4 - 08-26-2019 (From original bid release)	NA	NA	NA	Addendum 4
<b>Model Files</b>				
NA FOR GMP 2				
<b>Specifications</b>				
GMP-2 Release for Construction Specifications		0	Released for Construction	100% Documents
GMP-2 RFC Pile Spec 31 62 13	31 62 13	0	Released for Construction	100% Documents
<b>Drawings</b>				
COVER SHEET	00G000	0	Released for Construction	100% Documents
SHEET INDEX	00G001	0	Released for Construction	100% Documents
STANDARD ABBREVIATIONS	00G005	0	Released for Construction	100% Documents
GENERAL SYMBOLS AND LEGEND	00G006	0	Released for Construction	100% Documents
STRUCTURAL OVERALL KEY PLAN	00S040	0	Released for Construction	100% Documents
STRUCTURAL OVERALL PILE PLAN	00S041	0	Released for Construction	100% Documents
INFLUENT & HEADWORKS AREA 1 PILE PLAN	51S201	0	Released for Construction	100% Documents
INFLUENT & HEADWORKS AREA 2 PILE PLAN	51S202	0	Released for Construction	100% Documents
INFLUENT & HEADWORKS PILE SCHEDULE	51S601	0	Released for Construction	100% Documents
PRIMARY TREATMENT AREA 1 PILE PLAN	52S201	0	Released for Construction	100% Documents
PRIMARY TREATMENT AREA 2 PILE PLAN	52S202	0	Released for Construction	100% Documents
PRIMARY TREATMENT PILE SCHEDULE	52S601	0	Released for Construction	100% Documents
BIOACTIFLO AREA 1 AND 2 PILE PLAN	53S201	0	Released for Construction	100% Documents
BIOACTIFLO PILE SCHEDULE	53S601	0	Released for Construction	100% Documents
BIOLOGICAL NUTRIENT REMOVAL AREA 1 PILE PLAN	55S201	0	Released for Construction	100% Documents
BIOLOGICAL NUTRIENT REMOVAL AREA 2 PILE PLAN	55S202	0	Released for Construction	100% Documents
BIOLOGICAL NUTRIENT REMOVAL PILE SCHEDULE - I	55S601	0	Released for Construction	100% Documents
BIOLOGICAL NUTRIENT REMOVAL PILE SCHEDULE - II	55S602	0	Released for Construction	100% Documents
MEMBRANE FILTRATION AREA 1 PILE PLAN	56S201	0	Released for Construction	100% Documents
MEMBRANE FILTRATION AREA 2 PILE PLAN	56S202	0	Released for Construction	100% Documents
MEMBRANE FILTRATION AREA 3 PILE PLAN	56S203	0	Released for Construction	100% Documents
MEMBRANE FILTRATION AREA 4 PILE PLAN	56S204	0	Released for Construction	100% Documents
MEMBRANE FILTRATION PILE SCHEDULE - I	56S601	0	Released for Construction	100% Documents
MEMBRANE FILTRATION PILE SCHEDULE - II	56S602	0	Released for Construction	100% Documents
ODOR CONTROL AREA 1 PILE PLAN	64S201	0	Released for Construction	100% Documents
ODOR CONTROL PILE SCHEDULE	64S601	0	Released for Construction	100% Documents
CHEMICALS PILE PLAN	70S201	0	Released for Construction	100% Documents
CHEMICALS PILE SCHEDULE	70S601	0	Released for Construction	100% Documents
ADMINISTRATION BUILDING PILE LAYOUT PLAN	80S200	0	Released for Construction	100% Documents
PILE SCHEDULE	80S601	0	Released for Construction	100% Documents
<b>Sundt Bidding Exhibits</b>				
Exhibit A - Scope of Work Directive (SmartBid Tabs)(From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit B - Instructions to Bidders (SmartBid Tabs)(From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit C - Project Schedule (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit D - Sundt Safety System Manual - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit E - List of Contract Documents - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit F - Quality Management Plan - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit G - Insurance Manual - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit H - Textura Overview - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit I - Prime Contract - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit J - City of San Mateo Business Cooperation - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit K - Contractors Questionnaire - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit L - City of San Mateo BAAQMD - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit M - Prevailing Wages - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit N - Lean Constructon - (From original bid release)	NA	0	Not for Construction	90% Documents
Exhibit O - WSP - (From original bid release)	NA	0	Not for Construction	90% Documents
Attachment 1 - Sample Agreements - (From original bid release)	NA	0	Not for Construction	90% Documents
Attachment 2 - Sundt Supplemental Drawings - (From original bid release)	NA	0	Not for Construction	90% Documents



# I—Subcontractor List



SUNDT





February 28, 2020

City of San Mateo Nutrient Removal and Wet Weather Flow Management Upgrade & Expansion Project  
RE: GMP2 Subcontractor List

The following subcontractors have been selected or have been previously contracted (GMP1) and will perform work for GMP2:

- WC-0135 – Dust Control and Street Sweeping: Evans Brothers, Inc.
- WC-0136 – SWPPP: HydroCompliance (GMP1 – Formerly BT Consulting)
- WC-0155 – Traffic Control: CMC Traffic Control Specialists (GMP1)
- WC-0180 – Survey: HMCMA (GMP1)
- WC-0191 – Tower Cranes: Bigge (GMP1)
- WC-3100 – Earthworks: Evans Brothers, Inc. (GMP1)
- WC-3123 – Groundwater and Storm Water Treatment System: Clear Creek Systems (GMP1)
- WC-3141 – Sump Drilling: Malcolm Drilling (GMP1)
- WC-3162 – Piles: Foundation Constructors

If you have any questions, please send an email to [acastaneda@sundt.com](mailto:acastaneda@sundt.com) or call at 480-436-2753.

Thank you,

Andre Castaneda  
Sundt Construction, Inc.





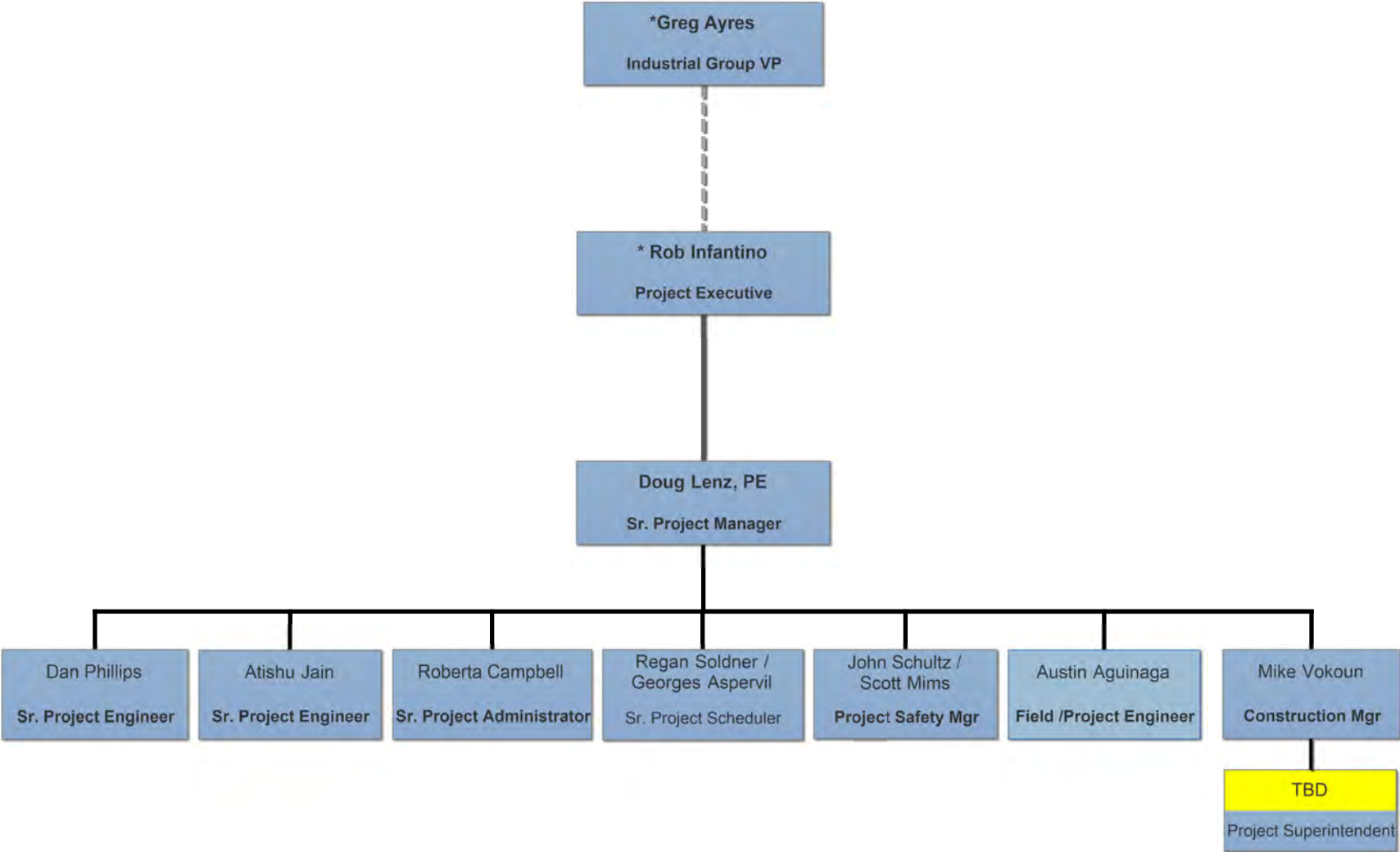
# J—Sundt GMP2 CMAR Staffing





# San Mateo WWTP Expansion Project

## GMP-2 - Sundt CMAR Staffing





# Exhibit C1

Modifications to Exhibit C

Supplement to Instructions to Bidders (WIFIA and SRF)

Project Requirements

WIFIA and SRF Funding Requirement





Exhibit C: Supplement to Instructions to Bidders (WIFIA and SRF), Project Requirements, WIFIA and SRF Funding Requirements

1. Insert referenced EPA Form 4700 under Exhibit C, Attachment 1, Supplement to Instructions to Bidders (WIFIA), US EPA Preaward Compliance Review Report.



**Preaward Compliance Review Report for  
All Applicants and Recipients Requesting EPA Financial Assistance**  
**Note:** Read instructions on other side before completing form.

I.	Applicant/Recipient (Name, Address, State, Zip Code).	DUNS No.
II.	Is the applicant currently receiving EPA assistance?	
III.	List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)	
IV.	List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective action taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.)	
V.	List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))	
VI.	<p>Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.</p> <p>Yes No</p> <p>a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b). Yes No</p> <p>b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. § 7.70) applies. Yes No</p>	
VII.	<p>Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its programs or activities? (40 C.F.R. § 5.140 and § 7.95) Yes No</p> <p>a. Do the methods of notice accommodate those with impaired vision or hearing? Yes No</p> <p>b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications? Yes No</p> <p>c. Does the notice identify a designated civil rights coordinator? Yes No</p>	
VIII.	Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. § 7.85(a))	
IX.	Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)	
X.	If the applicant/recipient is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.	
XI.	If the applicant/recipient is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet address for, or a copy of, the procedures.	

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official	B. Title of Authorized Official	C. Date
-------------------------------------	---------------------------------	---------

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized EPA Official  See * note on reverse side	B. Title of Authorized EPA Official	C. Date
---	-------------------------------------	---------



## Instructions for EPA FORM 4700-4 (Rev. 06/2014)

### General

Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment).

Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities.

Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities.

The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission.

Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution.

40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972.

40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973.

The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

### Items

"Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed.

"Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability.

Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission.

If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable."

In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification.

\* Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

### "Burden Disclosure Statement"

EPA estimates public reporting burden for the preparation of this form to average 30 minutes per response. This estimate includes the time for reviewing instructions, gathering and maintaining the data needed and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to U.S. EPA, Attn: Collection Strategies Division (MC 2822T), Office of Information Collection, 1200 Pennsylvania Ave., NW, Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

The information on this form is required to enable the U.S. Environmental Protection Agency to determine whether applicants and prospective recipients are developing projects, programs and activities on a nondiscriminatory basis as required by the above statutes and regulations.



Exhibit C: Supplement to Instructions to Bidders (WIFIA and SRF), Project Requirements, WIFIA  
and SRF Funding Requirements

1. Add to Exhibit C, Attachment 4a, Supplement to Instructions to Bidders (WIFIA and SRF), Davis Bacon Wage Rate Determination for current wage rate determination to apply to GMP 2 only.



## **ATTACHMENT 4a**

### **Supplement to Instructions to Bidders (WIFIA and SRF)**

#### **DAVIS BACON WAGE RATE DETERMINATION – GMP2 ONLY**

For purposes of this Attachment only, “subrecipient” means the City of San Mateo.

For purposes of this Attachment only, “contractor” means CMAR.

The subrecipient shall obtain the Davis Bacon wage rate determination, per Attachment 3, prior to the contractor issuing requests for bids, bids, quotes or other methods for soliciting contracts (solicitation) for each GMP.

[attached behind this page]



"General Decision Number: CA20200018 04/17/2020

Superseded General Decision Number: CA20190018

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alameda, Calaveras, Contra Costa, Fresno, Kings, Madera, Mariposa, Merced, Monterey, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Stanislaus and Tuolumne Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/03/2020
1	01/10/2020
2	01/24/2020
3	01/31/2020
4	02/07/2020
5	03/06/2020
6	03/13/2020
7	04/17/2020

ASBE0016-004 01/01/2019

AREA 1: CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TOULMNE COUNTIES

AREA 2: ALAMEDA, CONTRA COSTA, SAN FRANSICO, SAN MATEO & SANTA CLARA COUNTIES



	Rates	Fringes
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Asbestos Removal  
worker/hazardous material  
handler (Includes  
preparation, wetting,  
stripping, removal,  
scrapping, vacuuming, bagging  
and disposing of all  
insulation materials from  
mechanical systems, whether  
they contain asbestos or not)

Area 1.....	\$ 28.20	9.27
Area 2.....	\$ 36.53	9.27

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ASBE0016-008 01/01/2020

AREA 1: ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN  
FRANCISCO, SAN MATEO, SANTA CLARA, & SANTA CRUZ

AREA 2: CALAVERAS, COLUSA, FRESNO, KINGS, MADERA, MARIPOSA,  
MERCED, SAN JOAQUIN, STANISLAU, & TUOLUMNE

	Rates	Fringes
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Asbestos Workers/Insulator  
(Includes the application of  
all insulating materials,  
Protective Coverings,  
Coatings, and Finishes to all  
types of mechanical systems)

Area 1.....	\$ 71.16	23.39
Area 2.....	\$ 54.26	23.39

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BOIL0549-001 10/01/2016

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA  
CLARA COUNTIES

AREA 2: REMAINING COUNTIES

	Rates	Fringes
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BOILERMAKER

Area 1.....	\$ 43.28	37.91
Area 2.....	\$ 39.68	35.71

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BRCA0003-001 08/01/2019

	Rates	Fringes
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MARBLE FINISHER.....	\$ 35.41	16.45
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BRCA0003-003 08/01/2019

	Rates	Fringes
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MARBLE MASON.....	\$ 49.42	27.86
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BRCA0003-005 05/01/2019



	Rates	Fringes
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## BRICKLAYER

( 1) Fresno, Kings, Madera, Mariposa, Merced....	\$ 41.88	22.19
( 7) San Francisco, San Mateo.....	\$ 42.34	25.83
( 8) Alameda, Contra Costa, San Benito, Santa Clara.....	\$ 44.16	21.71
( 9) Calaveras, San Joaquin, Stanislaus, Toulumne.....	\$ 39.66	20.76
(16) Monterey, Santa Cruz...	\$ 39.51	23.49

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BRCA0003-008 07/01/2019

	Rates	Fringes
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TERRAZZO FINISHER.....	\$ 37.58	17.33
TERRAZZO WORKER/SETTER.....	\$ 48.53	26.84

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BRCA0003-011 04/01/2019AREA 1: Alameda, Contra Costa, Monterey, San Benito, San  
Francisco, San Mateo, Santa Clara, Santa Cruz

AREA 2: Calaveras, San Joaquin, Stanislaus, Tuolumne

AREA 3: Fresno, Kings, Madera, Mariposa, Merced

	Rates	Fringes
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## TILE FINISHER

Area 1.....	\$ 29.94	16.38
Area 2.....	\$ 25.60	14.30
Area 3.....	\$ 26.58	15.65

## Tile Layer

Area 1.....	\$ 49.90	19.16
Area 2.....	\$ 42.67	16.81
Area 3.....	\$ 40.27	18.58

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CARP0022-001 07/01/2019

San Francisco County

	Rates	Fringes
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## Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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CARP0034-001 07/01/2019

	Rates	Fringes
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## Diver



Assistant Tender, ROV		
Tender/Technician.....	\$ 49.75	33.40
Diver standby.....	\$ 55.73	33.40
Diver Tender.....	\$ 54.73	33.40
Diver wet.....	\$ 99.27	33.40
Manifold Operator (mixed gas).....	\$ 59.73	33.40
Manifold Operator (Standby).....	\$ 54.73	33.40

## DEPTH PAY (Surface Diving):

050 to 100 ft	\$2.00 per foot
101 to 150 ft	\$3.00 per foot
151 to 220 ft	\$4.00 per foot
221 ft.-deeper	\$5.00 per foot

## SATURATION DIVING:

The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

## DIVING IN ENCLOSURES:

Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: \$1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be \$1.00 per foot.

## WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

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CARP0034-003 07/01/2019

	Rates	Fringes
Piledriver.....	\$ 50.75	33.40

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CARP0035-007 07/01/2019

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I.....	\$ 27.46	22.14
Installer II.....	\$ 22.18	20.42
Lead Installer.....	\$ 30.91	22.64
Master Installer.....	\$ 35.13	22.64
Area 2		
Installer I.....	\$ 24.81	22.14



Installer II.....	\$ 20.01	20.42
Lead Installer.....	\$ 27.78	22.64
Master Installer.....	\$ 31.41	22.64
Area 3		
Installer I.....	\$ 23.86	22.14
Installer II.....	\$ 19.24	20.42
Lead Installer.....	\$ 26.66	22.64
Master Installer.....	\$ 30.08	22.64

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 CARP0035-008 08/01/2019

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: San Joaquin

AREA 4: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, Stanislaus, Tuolumne Counties

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1.....	\$ 50.50	30.64
Area 2.....	\$ 44.62	30.64
Area 3.....	\$ 41.02	29.15
Area 4.....	\$ 43.77	30.64
Drywall Stocker/Scrapper		
Area 1.....	\$ 25.25	17.86
Area 2.....	\$ 22.31	17.86
Area 3.....	\$ 20.51	16.88
Area 4.....	\$ 21.89	17.86

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 CARP0152-001 07/01/2019

Contra Costa County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP0152-002 07/01/2019

San Joaquin County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		



Filer.....	\$ 44.77	30.20
Journeyman Carpenter.....	\$ 44.62	30.20
Millwright.....	\$ 47.12	31.79

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 CARP0152-004 07/01/2019

Calaveras, Mariposa, Merced, Stanislaus and Tuolumne Counties

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 43.27	30.20
Millwright.....	\$ 45.77	31.79

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 CARP0217-001 07/01/2019

San Mateo County

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP0405-001 07/01/2019

Santa Clara County

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP0405-002 07/01/2019

San Benito County

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer,		



Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 44.68	30.20
Journeyman Carpenter.....	\$ 44.62	30.20
Millwright.....	\$ 47.12	31.79

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CARP0505-001 07/01/2019

#### Santa Cruz County

	Rates	Fringes
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##### Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 44.77	30.20
Journeyman Carpenter.....	\$ 44.62	30.20
Millwright.....	\$ 47.12	31.79

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CARP0605-001 07/01/2019

#### Monterey County

	Rates	Fringes
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##### Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 44.77	30.20
Journeyman Carpenter.....	\$ 44.62	30.20
Millwright.....	\$ 47.12	31.79

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CARP0701-001 07/01/2019

#### Fresno and Madera Counties

	Rates	Fringes
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##### Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 43.27	30.20
Millwright.....	\$ 45.77	31.79

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CARP0713-001 07/01/2019

#### Alameda County

	Rates	Fringes
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##### Carpenters



Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 50.65	30.20
Journeyman Carpenter.....	\$ 50.50	30.20
Millwright.....	\$ 50.60	31.79

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 CARP1109-001 07/01/2019

#### Kings County

	Rates	Fringes
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#### Carpenters

Bridge Builder/Highway Carpenter.....	\$ 50.50	30.20
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 43.42	30.20
Journeyman Carpenter.....	\$ 43.27	30.20
Millwright.....	\$ 45.77	31.79

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 ELEC0006-004 12/01/2018

#### SAN FRANCISCO COUNTY

	Rates	Fringes
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#### Sound & Communications

Installer.....	\$ 40.52	3%+19.05
Technician.....	\$ 46.60	3%+19.05

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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 ELEC0006-007 06/01/2019

#### SAN FRANCISCO COUNTY

	Rates	Fringes
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ELECTRICIAN.....\$ 74.50 3%+33.715

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ELEC0100-002 03/01/2020

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
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ELECTRICIAN.....	\$ 39.75	24.09
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ELEC0100-005 12/01/2019

FRESNO, KINGS, MADERA

	Rates	Fringes
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Communications System

Installer.....	\$ 35.25	20.86
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Technician.....	\$ 40.54	21.02
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#### SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

#### A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS

Background foreground music, Intercom and telephone interconnect systems, Telephone systems Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage, master clock systems, Multi-media/multiplex systems, Sound and musical entertainment systems, RF systems, Antennas and Wave Guide,

#### B. FIRE ALARM SYSTEMS Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems, Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems, Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems, VSAT Data Systems Data Communication Systems RF and Remote Control Systems, Fiber Optic Data Systems

WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management



systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:

1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

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ELEC0234-001 12/23/2019

MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
ELECTRICIAN		
Zone A.....	\$ 51.47	26.64
Zone B.....	\$ 56.62	26.80

Zone A: All of Santa Cruz, Monterey, and San Benito Counties within 25 air miles of Highway 1 and Dolan Road in Moss Landing, and an area extending 5 miles east and west of Highway 101 South to the San Luis Obispo County Line

Zone B: Any area outside of Zone A

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ELEC0234-003 12/01/2018

MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 40.02	19.75
Technician.....	\$ 46.02	19.75

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0302-001 02/25/2019



## CONTRA COSTA COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 60.48	26.06
ELECTRICIAN.....	\$ 53.76	25.86
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ELEC0302-003 12/01/2018		

## CONTRA COSTA COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 38.42	19.70
Technician.....	\$ 44.18	19.88

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0332-001 06/01/2019

## SANTA CLARA COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 78.60	38.564
ELECTRICIAN.....	\$ 68.52	38.256

FOOTNOTES: Work under compressed air or where gas masks are required, or work on ladders, scaffolds, stacks, "Bosun's chairs," or other structures and where the workers are not protected by permanent guard rails at a distance of 40 to 60 ft. from the ground or supporting structures: to be paid one and one-half times the straight-time rate of pay. Work on structures of 60 ft. or over (as described above): to be paid twice the straight-time rate of pay.

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\* ELEC0332-003 12/01/2019

## SANTA CLARA COUNTY

Rates	Fringes
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## Sound &amp; Communications

Installer.....	\$ 42.93	21.08
Technician.....	\$ 49.37	21.28

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0595-001 06/01/2019

## ALAMEDA COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 65.90	3%+36.82
ELECTRICIAN.....	\$ 57.30	3%+36.82

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ELEC0595-002 06/01/2019

## CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 43.99	7.75%+24.83
ELECTRICIAN		
(1) Tunnel work.....	\$ 40.16	7.75%+24.83
(2) All other work.....	\$ 38.25	7.75%+24.83

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ELEC0595-006 12/01/2019

## ALAMEDA COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 42.93	3%+20.22
Technician.....	\$ 53.66	3%+20.22

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or



jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0595-008 12/01/2019

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
Communications System		
Installer.....	\$ 35.25	3%+20.22
Technician.....	\$ 44.06	3%+20.22

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0617-001 06/01/2019

SAN MATEO COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 63.00	37.68

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ELEC0617-003 12/01/2019

SAN MATEO COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 42.93	21.09
Technician.....	\$ 49.37	21.28



SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

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ELEC0684-001 06/01/2019

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 40.25	3%+22.83

CABLE SPLICER = 110% of Journeyman Electrician

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ELEC0684-004 12/01/2019

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
Communications System		
Installer.....	\$ 35.25	20.86
Technician.....	\$ 40.54	21.02

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.



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 ELEC1245-001 01/01/2020

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 58.09	19.74
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 46.40	18.55
(3) Groundman.....	\$ 35.47	18.17
(4) Powderman.....	\$ 51.87	18.79

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day,  
 Independence Day, Labor Day, Veterans Day, Thanksgiving Day  
 and day after Thanksgiving, Christmas Day

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 ELEV0008-001 01/01/2020

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 69.78	34.765+a+b

FOOTNOTE:

- a. PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.  
 b. PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

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 ENGI0003-001 06/24/2019

""AREA 1"" WAGE RATES ARE LISTED BELOW

""AREA 2"" RECEIVES AN ADDITIONAL \$2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (AREA 1:)		
GROUP 1.....	\$ 49.02	30.74
GROUP 2.....	\$ 47.49	30.74
GROUP 3.....	\$ 46.01	30.74
GROUP 4.....	\$ 44.63	30.74
GROUP 5.....	\$ 43.36	30.74
GROUP 6.....	\$ 42.04	30.74
GROUP 7.....	\$ 40.90	30.74
GROUP 8.....	\$ 39.76	30.74
GROUP 8-A.....	\$ 37.55	30.74

OPERATOR: Power Equipment  
 (Cranes and Attachments -  
 AREA 1:)



GROUP 1		
Cranes.....	\$ 50.65	30.74
Oiler.....	\$ 36.63	30.39
Truck crane oiler.....	\$ 43.55	30.74
GROUP 2		
Cranes.....	\$ 48.14	30.74
Oiler.....	\$ 36.36	30.39
Truck crane oiler.....	\$ 43.33	30.74
GROUP 3		
Cranes.....	\$ 46.40	30.74
Hydraulic.....	\$ 38.32	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 43.06	30.74
GROUP 4		
Cranes.....	\$ 43.36	30.74
OPERATOR: Power Equipment		
(Piledriving - AREA 1:)		
GROUP 1		
Lifting devices.....	\$ 45.89	30.39
Oiler.....	\$ 36.63	30.39
Truck crane oiler.....	\$ 39.20	30.39
GROUP 2		
Lifting devices.....	\$ 44.07	30.39
Oiler.....	\$ 36.36	30.39
Truck Crane Oiler.....	\$ 38.98	30.39
GROUP 3		
Lifting devices.....	\$ 42.39	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 38.71	30.39
GROUP 4		
Lifting devices.....	\$ 40.62	30.39
GROUP 5		
Lifting devices.....	\$ 39.32	30.39
GROUP 6		
Lifting devices.....	\$ 37.98	30.39
OPERATOR: Power Equipment		
(Steel Erection - AREA 1:)		
GROUP 1		
Cranes.....	\$ 46.30	30.39
Oiler.....	\$ 36.63	30.39
Truck Crane Oiler.....	\$ 39.20	30.39
GROUP 2		
Cranes.....	\$ 43.79	30.39
Oiler.....	\$ 36.36	30.39
Truck Crane Oiler.....	\$ 38.98	30.39
GROUP 3		
Cranes.....	\$ 42.05	30.39
Hydraulic.....	\$ 38.32	30.39
Oiler.....	\$ 36.14	30.39
Truck Crane Oiler.....	\$ 38.71	30.39
GROUP 4		
Cranes.....	\$ 39.01	30.39
GROUP 5		
Cranes.....	\$ 35.13	30.39
OPERATOR: Power Equipment		
(Tunnel and Underground Work		
- AREA 1:)		
SHAFTS, STOPES, RAISES:		
GROUP 1.....	\$ 40.77	30.39
GROUP 1-A.....	\$ 43.24	30.39
GROUP 2.....	\$ 39.51	30.39
GROUP 3.....	\$ 38.18	30.39
GROUP 4.....	\$ 37.04	30.39
GROUP 5.....	\$ 35.90	30.39
UNDERGROUND:		



GROUP 1.....	\$ 40.67	30.39
GROUP 1-A.....	\$ 43.14	30.39
GROUP 2.....	\$ 39.41	30.39
GROUP 3.....	\$ 38.08	30.39
GROUP 4.....	\$ 36.94	30.39
GROUP 5.....	\$ 35.80	30.39

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: \$.60 per hour additional.

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrappers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed constuction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners,



wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self-propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing machine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini



excavator under 25 H.P. (backhoe-trencher); Tub grinder  
wood chipper

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#### ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

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#### PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

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#### STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons



to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

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#### TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

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**AREA DESCRIPTIONS:**

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS, TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, STANISLAUS, TUOLUMNE

AREA 2 -NOTED BELOW

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

**CALAVERAS COUNTY:**

Area 1: Remainder

Area 2: Eastern Part

**FRESNO COUNTY:**

Area 1: Remainder

Area 2: Eastern Part

**MADERA COUNTY:**

Area 1: Remainder

Area 2: Eastern Part

**MARIPOSA COUNTY:**

Area 1: Remainder

Area 2: Eastern Part



## MONTEREY COUNTY:

Area 1: Remainder

Area 2: Southwestern part

## TUOLUMNE COUNTY:

Area 1: Remainder

Area 2: Eastern Part

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ENGI0003-008 07/01/2017

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman.....\$ 44.77		31.25
(2) Dredge Dozer; Heavy duty repairman.....\$ 39.81		31.25
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....\$ 38.69		31.25
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..\$ 35.39		31.25
AREA 2:		
(1) Leverman.....\$ 46.77		31.25
(2) Dredge Dozer; Heavy duty repairman.....\$ 41.81		31.25
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....\$ 40.69		31.25
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..\$ 37.39		31.25

## AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED,  
NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,  
SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS,  
SUTTER, YOLO, AND YUBA COUNTIES

## AREA 2: MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2  
AS NOTED BELOW:

## ALPINE COUNTY:

Area 1: Northernmost part

Area 2: Remainder

## CALAVERAS COUNTY:

Area 1: Remainder

Area 2: Eastern part

## COLUSA COUNTY:

Area 1: Eastern part

Area 2: Remainder

## ELDORADO COUNTY:



Area 1: North Central part  
Area 2: Remainder

FRESNO COUNTY:

Area 1: Remainder  
Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part  
Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern portion of border  
with Shasta County  
Area 2: Remainder

MADERA COUNTY:

Area 1: Except Eastern part  
Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Except Eastern part  
Area 2: Eastern part

MONTERREY COUNTY

Area 1: Except Southwestern part  
Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of  
Sierra County  
Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion  
Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion  
Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner  
Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part  
Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part  
Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner  
Area 2: Remainder

TEHAMA COUNTY:

Area 1: All but the Western border with Mendocino & Trinity  
Counties  
Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the Northeastern border with  
Shasta County



Area 2: Remainder

TUOLUMNE COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

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 ENGI0003-019 07/26/2017

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment		
(LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1.....	\$ 34.05	28.73
AREA 2.....	\$ 36.05	28.73
GROUP 2		
AREA 1.....	\$ 30.45	28.73
AREA 2.....	\$ 32.45	28.73
GROUP 3		
AREA 1.....	\$ 25.84	28.73
AREA 2.....	\$ 27.84	28.73

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:

Area 1: Northernmost part

Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

COLUSA COUNTY:



Area 1: Eastern part  
Area 2: Remainder

DEL NORTE COUNTY:  
Area 1: Extreme Southwestern corner  
Area 2: Remainder

ELDORADO COUNTY:  
Area 1: North Central part  
Area 2: Remainder

FRESNO COUNTY  
Area 1: Except Eastern part  
Area 2: Eastern part

GLENN COUNTY:  
Area 1: Eastern part  
Area 2: Remainder

HUMBOLDT COUNTY:  
Area 1: Except Eastern and Southwestern parts  
Area 2: Remainder

LAKE COUNTY:  
Area 1: Southern part  
Area 2: Remainder

LASSEN COUNTY:  
Area 1: Western part along the Southern portion of border  
with Shasta County  
Area 2: Remainder

MADERA COUNTY  
Area 1: Remainder  
Area 2: Eastern part

MARIPOSA COUNTY  
Area 1: Remainder  
Area 2: Eastern part

MENDOCINO COUNTY:  
Area 1: Central and Southeastern parts  
Area 2: Remainder

MONTEREY COUNTY  
Area 1: Remainder  
Area 2: Southwestern part

NEVADA COUNTY:  
Area 1: All but the Northern portion along the border of  
Sierra County  
Area 2: Remainder

PLACER COUNTY:  
Area 1: All but the Central portion  
Area 2: Remainder

PLUMAS COUNTY:  
Area 1: Western portion  
Area 2: Remainder

SHASTA COUNTY:  
Area 1: All but the Northeastern corner  
Area 2: Remainder



## SIERRA COUNTY:

Area 1: Western part

Area 2: Remainder

## SISKIYOU COUNTY:

Area 1: Central part

Area 2: Remainder

## SONOMA COUNTY:

Area 1: All but the Northwestern corner

Area 2: Reaminder

## TEHAMA COUNTY:

Area 1: All but the Western border with mendocino & Trinity  
Counties

Area 2: Remainder

## TRINITY COUNTY:

Area 1: East Central part and the Northeaster border with  
Shasta County

Area 2: Remainder

## TULARE COUNTY;

Area 1: Remainder

Area 2: Eastern part

## TUOLUMNE COUNTY:

Area 1: Remainder

Area 2: Eastern Part

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IRON0377-002 07/01/2019

	Rates	Fringes
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## Ironworkers:

Fence Erector.....	\$ 33.58	24.66
Ornamental, Reinforcing and Structural.....	\$ 40.00	33.30

## PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval  
Reserve-Niland,  
Edwards AFB, Fort Irwin Military Station, Fort Irwin Training  
Center-Goldstone, San Clemente Island, San Nicholas Island,  
Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine  
Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base,  
Naval Post Graduate School - Monterey, Yermo Marine Corps  
Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

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LAB00067-002 01/01/2020



AREA ""A"" - ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND  
SANTA CLARA COUNTIES

AREA ""B"" - CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA,  
MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, STANISLAUS, AND  
TUOLUMNE COUNTIES

	Rates	Fringes
Asbestos Removal Laborer		
All Counties.....	\$ 24.00	11.30
LABORER (Lead Removal)		
Area A.....	\$ 31.81	24.61
Area B.....	\$ 30.81	24.61

ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.

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LAB00073-002 06/25/2018

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 29.54	23.65
Traffic Control Person I....	\$ 29.84	23.65
Traffic Control Person II...	\$ 27.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB00073-003 07/01/2018

SAN JOAQUIN COUNTY

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 31.20	22.20

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LAB00073-005 06/25/2018

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11



Shotcrete Specialist.....\$ 38.34

24.11

## TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LAB00073-007 06/25/2018

## CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
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LABORER (CONSTRUCTION CRAFT  
LABORERS)

Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

See groups 1-b and 1-d under laborer classifications.

LABORER (GARDENERS,  
HORTICULTURAL & LANDSCAPE  
LABORERS)

(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20

## LABORER (GUNITE)

GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31

## LABORER (WRECKING)

GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

## FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging



scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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#### LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond drillers; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small



diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of ""form stripping, cleaning and oiling



and moving to the next point of erection".

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GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

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WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

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LAB00073-009 07/01/2018

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
LABORER (Plaster Tender).....	\$ 32.02	23.00

Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB00261-003 06/25/2018

SAN FRANCISCO AND SAN MATEO COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 20.54	23.65
Traffic Control Person I...	\$ 30.84	23.65
Traffic Control Person II...	\$ 28.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB00261-005 06/25/2018

SAN FRANCISCO AND SAN MATEO COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11



GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

## TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LABO0261-009 06/25/2018

## SAN FRANCISCO, AND SAN MATEO COUNTIES

	Rates	Fringes
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## LABORER (CONSTRUCTION CRAFT

## LABORERS - AREA A:)

## Construction Specialist

Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 31.37	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20

See groups 1-b and 1-d under laborer classifications.

## LABORER (GARDENERS,

## HORTICULTURAL &amp; LANDSCAPE

## LABORERS - AREA A:)

(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty Period.....	\$ 24.23	23.20

## LABORER (WRECKING - AREA A:)

GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

## Laborers: (GUNITE - AREA A:)

GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31
GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31



## FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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## LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree toppler; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above



Group 1 wage rates. ""Sewer cleaner"" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.



The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

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GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

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WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

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LAB00261-011 05/01/2018

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
MASON TENDER, BRICK.....	\$ 35.37	20.70

FOOTNOTES: Underground work such as sewers, manholes, catch basins, sewer pipes, telephone conduits, tunnels and cut trenches: \$5.00 per day additional. Work in live sewage: \$2.50 per day additional.

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LAB00261-014 07/01/2017

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
PLASTER TENDER.....	\$ 34.70	23.11

Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB00270-003 06/25/2018

AREA A: SANTA CLARA

AREA B: MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A.....	\$ 30.54	23.65
Area B.....	\$ 29.54	23.65



Traffic Control Person I		
Area A.....	\$ 30.84	23.65
Area B.....	\$ 29.84	23.65
Traffic Control Person II		
Area A.....	\$ 28.34	23.65
Area B.....	\$ 27.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB00270-004 06/25/2018

#### MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

#### TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LAB00270-005 07/01/2018

#### MONTEREY AND SAN BENITO COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 31.20	22.20

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LABO0270-007 06/25/2018

MONTEREY, SAN BENITO, AND SANTA CRUZ, COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA B)		
Construction Specialist		
Group.....	\$ 30.40	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B)		
(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20
LABORER (GUNITE - AREA B)		
GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31
LABORER (WRECKING - AREA B)		
GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

## FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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## LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches;



Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete



GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

#### WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LAB00270-010 06/25/2018

SANTA CLARA COUNTY



## Rates                      Fringes

### LABORER (CONSTRUCTION CRAFT

#### LABORERS - AREA A:)

##### Construction Specialist

Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20

See groups 1-b and 1-d under laborer classifications.

### LABORER (GARDENERS,

#### HORTICULTURAL & LANDSCAPE

#### LABORERS - AREA A:)

(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty		
Period.....	\$ 24.23	23.20

#### LABORER (GUNITE - AREA A:)

GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31
GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31

#### LABORER (WRECKING - AREA A:)

GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

#### FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

-----

#### LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting,



whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree toppler; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. ""Sewer cleaner"" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shotcrete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender,



chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

#### WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0270-011 07/01/2017

MONTEREY, SAN BENITO, SANTA CRUZ, SANTA CLARA COUNTIES

	Rates	Fringes
LABORER (Plaster Tender).....	\$ 34.70	21.22



Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB00294-001 07/01/2018

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes
LABORER (Brick)		
Mason Tender-Brick.....	\$ 31.20	22.20

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LAB00294-002 06/25/2018

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 29.54	23.65
Traffic Control Person I....	\$ 29.84	23.65
Traffic Control Person II...	\$ 27.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB00294-005 06/25/2018

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house



GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LAB00294-008 06/25/2018

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT		
LABORERS - AREA B:)		
Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS,		
HORTICULTURAL & LANDSCAPE		
LABORERS - AREA B:)		
(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty		
Period.....	\$ 23.23	23.20
LABORER (GUNITE - AREA B:)		
GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31
LABORER (WRECKING - AREA B:)		
GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

#### FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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#### LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2



yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree toppler; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep



footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

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#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

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#### WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building



materials)

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LAB00294-010 07/01/2018CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN  
JOAQUIN, STANISLAUS & TUOLUMNE

	Rates	Fringes
Plasterer tender.....	\$ 32.02	23.00
Work on a swing stage scaffold: \$1.00 per hour additional.		

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LAB00294-011 07/01/2017

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
LABORER (Plaster Tender).....	\$ 31.02	22.52
Work on a swing stage scaffold: \$1.00 per hour additional.		

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LAB00304-002 06/25/2018

ALAMEDA COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 30.54	23.65
Traffic Control Person I....	\$ 30.84	23.65
Traffic Control Person II...	\$ 28.34	23.65
TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.		
TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.		

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LAB00304-003 06/26/2017

ALAMEDA COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 36.60	24.83
GROUP 2.....	\$ 36.37	24.83
GROUP 3.....	\$ 36.12	24.83
GROUP 4.....	\$ 35.67	24.83
GROUP 5.....	\$ 35.13	24.83
Shotcrete Specialist.....	\$ 37.12	24.83

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete  
nozzlemen

GROUP 2: Rodmen; Shaft work &amp; raise (below actual or



excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LAB00304-004 06/25/2018

#### ALAMEDA COUNTY

	Rates	Fringes
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#### LABORER (CONSTRUCTION CRAFT

##### LABORERS - AREA A:)

##### Construction Specialist

Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20

See groups 1-b and 1-d under laborer classifications.

#### LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE

##### LABORERS - AREA A:)

(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty Period.....	\$ 24.23	23.20

##### LABORER (GUNITING - AREA A:)

GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31
GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31

##### LABORER (WRECKING - AREA A:)

GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

#### FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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## LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in-place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding



GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of ""form stripping, cleaning and oiling and moving to the next point of erection"".

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#### GUNITE LABORER CLASSIFICATIONS

##### GROUP 1: Structural Nozzleman



GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

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WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

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LAB00304-005 05/01/2018

ALAMEDA COUNTY

	Rates	Fringes
Brick Tender.....	\$ 35.37	20.70

FOOTNOTES: Work on jobs where heat-protective clothing is required: \$2.00 per hour additional. Work at grinders: \$.25 per hour additional. Manhole work: \$2.00 per day additional.

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LAB00304-008 07/01/2017

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Plasterer tender.....	\$ 34.70	23.11

Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB00324-002 06/25/2018

CONTRA COSTA COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 30.54	23.65
Traffic Control Person I....	\$ 30.84	23.65
Traffic Control Person II...	\$ 28.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB00324-006 06/25/2018

CONTRA COSTA COUNTY

	Rates	Fringes
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## Tunnel and Shaft Laborers:

GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

## TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickers - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

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LAB00324-012 06/25/2018

## CONTRA COSTA COUNTY

	Rates	Fringes
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## LABORER (CONSTRUCTION CRAFT

## LABORERS - AREA A:)

## Construction Specialist

Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 1-g.....	\$ 30.99	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20

See groups 1-b and 1-d under laborer classifications.

## LABORER (GARDENERS,

## HORTICULTURAL &amp; LANDSCAPE

## LABORERS - AREA A:)

(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty Period.....	\$ 24.23	23.20

## LABORER (GUNITING - AREA A:)

GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31



GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31
LABORER (WRECKING - AREA A:)		
GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

## FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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## LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder;



All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or



similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

#### WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

LAB00324-014 05/01/2018

#### CONTRA COSTA COUNTY:

	Rates	Fringes
Brick Tender.....	\$ 35.37	20.70

FOOTNOTES: Work on jobs where heat-protective clothing is required: \$2.00 per hour additional. Work at grinders: \$.25 per hour additional. Manhole work: \$2.00 per day additional.

LAB00324-018 07/01/2018

#### ALAMEDA AND CONTRA COSTA COUNTIES:



	Rates	Fringes
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Plasterer tender.....	\$ 37.14	22.32
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Work on a swing stage scaffold: \$1.00 per hour additional.

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LAB01130-002 06/25/2018

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

	Rates	Fringes
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LABORER (TRAFFIC CONTROL/LANE CLOSURE)

Escort Driver, Flag Person..	\$ 29.54	23.65
Traffic Control Person I....	\$ 29.84	23.65
Traffic Control Person II...	\$ 27.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

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LAB01130-003 06/26/2017

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

	Rates	Fringes
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Tunnel and Shaft Laborers:

GROUP 1.....	\$ 36.60	24.83
GROUP 2.....	\$ 36.37	24.83
GROUP 3.....	\$ 36.12	24.83
GROUP 4.....	\$ 35.67	24.83
GROUP 5.....	\$ 35.13	24.83
Shotcrete Specialist.....	\$ 37.12	24.83

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Guniting & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman



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LAB01130-005 07/01/2018

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 31.20	22.20

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LAB01130-007 06/25/2018

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT		
LABORERS - AREA B:)		
Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 29.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

See groups 1-b and 1-d under laborer classifications.

LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B:)		
(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20
LABORER (GUNITE - AREA B:)		
GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31
LABORER (WRECKING - AREA B:)		
GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

#### FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

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#### LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond drill; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker



and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

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GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

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GROUP 1-e: Work on and/or in bell hole footings and shafts



thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

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#### GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

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#### WRECKING WORK LABORER CLASSIFICATIONS



GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

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LAB01130-008 07/01/2018

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE

	Rates	Fringes
Plasterer tender.....	\$ 32.02	23.00
Work on a swing stage scaffold: \$1.00 per hour additional.		

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LAB01130-009 07/01/2018

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

	Rates	Fringes
LABORER (Plaster Tender).....	\$ 32.02	23.00
Work on a swing stage scaffold: \$1.00 per hour additional.		

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PAIN0016-001 01/01/2019

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Painters:.....	\$ 42.67	24.03

PREMIUMS:

EXOTIC MATERIALS - \$0.75 additional per hour.

SPRAY WORK: - \$0.50 additional per hour.

INDUSTRIAL PAINTING - \$0.25 additional per hour

[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:

over 50 feet - \$2.00 per hour additional

100 to 180 feet - \$4.00 per hour additional

Over 180 feet - \$6.00 per hour additional

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PAIN0016-003 01/01/2020

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: CALAVERAS, MARIPOA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TUOLUMNE COUNTIES

Rates	Fringes
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## Drywall Finisher/Taper

AREA 1.....	\$ 51.51	27.39
AREA 2.....	\$ 47.38	25.99

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PAIN0016-012 01/01/2019ALAMEDA, CONTRA COSTA, MARIPOSA, MERCED, MONTEREY, SAN BENITO,  
SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES

Rates	Fringes
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SOFT FLOOR LAYER.....	\$ 48.60	27.43
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PAIN0016-015 01/01/2019CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE  
COUNTIES

Rates	Fringes
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## PAINTER

Brush.....	\$ 33.68	20.24
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## FOOTNOTES:

SPRAY/SANDBLAST: \$0.50 additional per hour.

EXOTIC MATERIALS: \$1.00 additional per hour.

HIGH TIME: Over 50 ft above ground or water level \$2.00  
additional per hour. 100 to 180 ft above ground or water  
level \$4.00 additional per hour. Over 180 ft above ground  
or water level \$6.00 additional per hour.-----  
PAIN0016-022 01/01/2019

SAN FRANCISCO COUNTY

Rates	Fringes
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PAINTER.....	\$ 46.29	24.03
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PAIN0169-001 01/01/2020

FRESNO, KINGS, MADERA, MARIPOSA AND MERCED COUNTIES:

Rates	Fringes
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GLAZIER.....	\$ 40.00	26.76
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PAIN0169-005 07/01/2019ALAMEDA CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN  
MATEO, SANTA CLARA & SANTA CRUZ COUNTIES

Rates	Fringes
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GLAZIER.....	\$ 50.62	29.10
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PAIN0294-004 01/01/2020

FRESNO, KINGS AND MADERA COUNTIES

Rates	Fringes
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## PAINTER

Brush, Roller.....	\$ 31.68	19.71
Drywall Finisher/Taper.....	\$ 40.10	25.00

## FOOTNOTE:

Spray Painters & Paperhangers receive \$1.00 additional per hour. Painters doing Drywall Patching receive \$1.25 additional per hour. Lead Abaters & Sandblasters receive \$1.50 additional per hour. High Time - over 30 feet (does not include work from a lift) \$0.75 per hour additional.

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PAIN0294-005 01/01/2020

## FRESNO, KINGS &amp; MADERA

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 33.30	21.42

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PAIN0767-001 07/01/2019

## CALAVERAS, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
GLAZIER.....	\$ 39.06	29.31

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee required to wear a body harness shall receive \$1.50 per hour above the basic hourly rate at any elevation.

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PAIN1176-001 07/01/2019

## HIGHWAY IMPROVEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1.....	\$ 37.68	15.38
GROUP 2.....	\$ 32.03	15.38
GROUP 3.....	\$ 32.40	15.38

## CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

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PAIN1237-003 01/01/2020

## CALAVERAS; SAN JOAQUIN COUNTIES; STANISLAUS AND TUOLUMNE COUNTIES:



	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 39.61	22.59
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PLAS0066-002 07/01/2019		

## ALAMEDA, CONTRA COSTA, SAN MATEO AND SAN FRANCISCO COUNTIES:

	Rates	Fringes
PLASTERER.....	\$ 42.41	30.73
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PLAS0300-001 07/01/2018		

	Rates	Fringes
PLASTERER		
AREA 188: Fresno.....	\$ 32.70	31.68
AREA 224: San Benito, Santa Clara, Santa Cruz.....	\$ 32.88	31.68
AREA 295: Calaveras & San Joaquin Counties.....	\$ 32.70	31.68
AREA 337: Monterey County..	\$ 32.88	31.68
AREA 429: Mariposa, Merced, Stanislaus, Tuolumne Counties.....	\$ 32.70	31.68
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PLAS0300-005 07/01/2017		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 33.49	23.67
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PLUM0038-001 07/01/2019		

## SAN FRANCISCO COUNTY

	Rates	Fringes
PLUMBER (Plumber, Steamfitter, Refrigeration Fitter).....	\$ 74.16	43.59
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PLUM0038-005 07/01/2019		

## SAN FRANCISCO COUNTY

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter).....	\$ 63.04	31.48
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PLUM0062-001 01/01/2020		

## MONTEREY AND SANTA CRUZ COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER.....	\$ 44.30	35.19
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PLUM0159-001 07/01/2019		

## CONTRA COSTA COUNTY



	Rates	Fringes
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## Plumber and steamfitter

(1) Refrigeration.....	\$ 56.93	41.04
(2) All other work.....	\$ 57.82	41.04

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PLUM0246-001 01/01/2020

## FRESNO, KINGS &amp; MADERA COUNTIES

	Rates	Fringes
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PLUMBER & STEAMFITTER.....	\$ 41.90	33.89
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PLUM0246-004 01/01/2017

## FRESNO, MERCED &amp; SAN JOAQUIN COUNIES

	Rates	Fringes
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PLUMBER (PIPE TRADESMAN).....	\$ 13.00	10.74
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## PIPE TRADESMAN SCOPE OF WORK:

Installation of corrugated metal piping for drainage, as well as installation of corrugated metal piping for culverts in connection with storm sewers and drains; Grouting, dry packing and diapering of joints, holes or chases including paving over joints, in piping; Temporary piping for dirt work for building site preparation; Operating jack hammers, pavement breakers, chipping guns, concrete saws and spades to cut holes, chases and channels for piping systems; Digging, grading, backfilling and ground preparation for all types of pipe to all points of the jobsite; Ground preparation including ground leveling, layout and planting of shrubbery, trees and ground cover, including watering, mowing, edging, pruning and fertilizing, the breaking of concrete, digging, backfilling and tamping for the preparation and completion of all work in connection with lawn sprinkler and landscaping; Loading, unloading and distributing materials at jobsite; Putting away materials in storage bins in jobsite secure storage area; Demolition of piping and fixtures for remodeling and additions; Setting up and tearing down work benches, ladders and job shacks; Clean-up and sweeping of jobsite; Pipe wrapping and waterproofing where tar or similar material is applied for protection of buried piping; Flagman

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PLUM0342-001 07/01/2018

## ALAMEDA &amp; CONTRA COSTA COUNTIES

	Rates	Fringes
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## PIPEFITTER

CONTRA COSTA COUNTY.....	\$ 58.68	42.40
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PLUMBER, PIPEFITTER,  
STEAMFITTER

ALAMEDA COUNTY.....	\$ 58.68	42.40
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PLUM0355-004 07/01/2019

ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, STANISLAUS, AND TUOLUMNE COUNTIES:



	Rates	Fringes
Underground Utility Worker /Landscape Fitter.....	\$ 29.00	15.80
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PLUM0393-001 07/01/2019		

## SAN BENITO AND SANTA CLARA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 63.91	42.68
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PLUM0442-001 01/01/2020		

## CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS &amp; TUOLUMNE COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER.....	\$ 44.50	31.39
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PLUM0467-001 07/01/2019		

## SAN MATEO COUNTY

	Rates	Fringes
Plumber/Pipefitter/Steamfitter...	\$ 67.61	36.50
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ROOF0027-002 01/01/2020		

## FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ROOFER.....	\$ 31.11	14.41

FOOTNOTE: Work with pitch, pitch base of pitch impregnated products or any material containing coal tar pitch, on any building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off: \$2.00 per hour additional.

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ROOF0040-002 08/01/2019		

## SAN FRANCISCO &amp; SAN MATEO COUNTIES:

	Rates	Fringes
ROOFER.....	\$ 41.88	19.44
-----		
ROOF0081-001 08/01/2019		

## ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Roofer.....	\$ 40.10	18.88
-----		
ROOF0081-004 08/01/2019		



CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND  
TUOLUMNE COUNTIES:

	Rates	Fringes
ROOFER.....	\$ 38.28	18.56
-----		
ROOF0095-002 08/01/2019		

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES:

	Rates	Fringes
ROOFER		
Journeyman.....	\$ 44.49	19.49
Kettle person (2 kettles);		
Bitumastic, Enameler, Coal		
Tar, Pitch and Mastic		
worker.....	\$ 46.49	19.49
-----		
SFCA0483-001 07/29/2019		

ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA  
COUNTIES:

	Rates	Fringes
SPRINKLER FITTER (FIRE).....	\$ 65.52	32.67
-----		
* SFCA0669-011 04/01/2020		

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY,  
SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS AND TUOLUMNE  
COUNTIES:

	Rates	Fringes
SPRINKLER FITTER.....	\$ 38.95	25.63
-----		
SHEE0104-001 07/01/2019		

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO, SANTA  
CLARA

AREA 2: MONTEREY & SAN BENITO

AREA 3: SANTA CRUZ

	Rates	Fringes
SHEET METAL WORKER		
AREA 1:		
Mechanical Contracts		
under \$200,000.....	\$ 53.67	44.62
All Other Work.....	\$ 61.36	46.11
AREA 2.....	\$ 50.82	35.85
AREA 3.....	\$ 60.97	34.07
-----		
SHEE0104-003 07/01/2019		



## CALAVERAS AND SAN JOAQUIN COUNTIES:

	Rates	Fringes
SHEET METAL WORKER.....	\$ 41.20	36.84
-----		
SHEE0104-005 07/01/2019		

## MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Excluding metal deck and siding).....	\$ 39.09	41.93
-----		
SHEE0104-007 07/01/2019		

## FRESNO, KINGS, AND MADERA COUNTIES:

	Rates	Fringes
SHEET METAL WORKER.....	\$ 40.03	39.06
-----		
SHEE0104-015 07/01/2019		

## ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only).....	\$ 42.33	35.30
-----		
SHEE0104-018 07/01/2019		

## CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
Sheet metal worker (Metal decking and siding only).....	\$ 42.33	35.30
-----		
TEAM0094-001 07/01/2018		

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 31.68	27.86
GROUP 2.....	\$ 31.98	27.86
GROUP 3.....	\$ 32.28	27.86
GROUP 4.....	\$ 32.63	27.86
GROUP 5.....	\$ 32.98	27.86

## FOOTNOTES:

Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.  
 Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.



## TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self-propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbed Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this



contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007



in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.



Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"



Exhibit C: Supplement to Instructions to Bidders (WIFIA and SRF), Project Requirements, WIFIA  
and SRF Funding Requirements

1. Insert referenced guidelines and EPA Forms 6100-2, 6100-3, 6100-4, 5700-52A under Exhibit C, Attachment 5, Supplement to Instructions to Bidders (WIFIA), USA EPA DBE Requirements.



**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Participation Form**

An EPA Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE<sup>1</sup> subcontractor<sup>2</sup> the opportunity to describe work received and/or report any concerns regarding the EPA-funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the EPA DBE Coordinator at any time during the project period of performance.

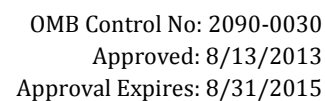
Subcontractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity:	

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services , Equipment or Supplies	Amount Received by Prime Contractor

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.





Please use the space below to report any concerns regarding the above EPA-funded project:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

<b>Subcontractor Signature</b>	<b>Print Name</b>
<b>Title</b>	<b>Date</b>

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Performance Form

This form is intended to capture the DBE<sup>1</sup> subcontractor's<sup>2</sup> description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractors bid or proposal package.

Subcontractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity:	

Contract Item Number	Description of Work Submitted to the Prime Contractor Involving Construction, Services , Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other: _____		Meets/ exceeds EPA certification standards? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unknown

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.



**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Performance Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

<b>Prime Contractor Signature</b>	<b>Print Name</b>
<b>Title</b>	<b>Date</b>

<b>Subcontractor Signature</b>	<b>Print Name</b>
<b>Title</b>	<b>Date</b>

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE<sup>1</sup> subcontractors<sup>2</sup> and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Issuing/Funding Entity:			

I have identified potential DBE certified subcontractors	___ YES	___ NO	
If yes, please complete the table below. If no, please explain:			
<b>Subcontractor Name/ Company Name</b>	<b>Company Address/ Phone/ Email</b>	<b>Est. Dollar Amt</b>	<b>Currently DBE Certified?</b>

Continue on back if needed

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.



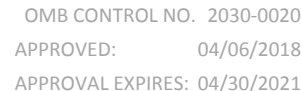
**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Utilization Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

<b>Prime Contractor Signature</b>	<b>Print Name</b>
<b>Title</b>	<b>Date</b>

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.





FOR COOPERATIVE AGREEMENTS OR OTHER FEDERAL FINANCIAL ASSISTANCE WHERE THE COMBINED TOTAL OF FUNDS BUDGETED FOR PROCURING SUPPLIES, EQUIPMENT, CONSTRUCTION OR SERVICES EXCEED \$150,000. PART 1: PLEASE REVIEW INSTRUCTIONS BEFORE COMPLETING					
1A. FEDERAL FISCAL YEAR (Oct 1- Sep 30)  20____			1B. REPORT TYPE  <input type="checkbox"/> Annual <input type="checkbox"/> Last Report (Project completed)		
1C. REVISION OF A PRIOR YEAR REPORT? <input type="checkbox"/> No <input type="checkbox"/> Yes, Year _____ IF YES, BRIEFLY DESCRIBE THE REVISIONS YOU ARE MAKING:  					
2A. EPA FINANCIAL ASSISTANCE OFFICE ADDRESS (ATTN: DBE COORDINATOR)			3A. RECIPIENT NAME AND ADDRESS		
2B. EPA DBE COORDINATOR  Name: Email: Phone: Fax:			3B. RECIPIENT REPORTING CONTACT  Name: Address: Phone: Email:		
4A. FINANCIAL ASSISTANCE AGREEMENT ID NUMBER (SRF State Recipients, refer to Instructions for Completion of blocks 4A, 5A and 5C)			4B. FEDERAL FINANCIAL ASSISTANCE PROGRAM TITLE OR CFDA NUMBER:		
5A. TOTAL ASSISTANCE AGREEMENT AMOUNT EPA Share:         \$ _____  Recipient Share: \$ _____  <input type="checkbox"/> N/A (SRF Recipient)			5B. If NO procurements and NO accomplishments were made this reporting period (by the recipients, sub-recipients, loan recipients, and prime contractors), <b>CHECK and SKIP to Block No. 7.</b> (Procurements are all expenditures through contract, order, purchase, lease or barter of supplies, equipment, construction, or services needed to complete Federal assistance programs. Accomplishments, in this context, are procurements made with MBEs and/or WBEs.) <input type="checkbox"/>		
5C.                                  Total Procurements This Reporting Period (Only include amount not reported in any prior reporting period) Total Procurement Amount \$_____					
(Include total dollar values awarded by recipient, sub-recipients and SRF loan recipients, including MBE/WBE expenditures.)					
5D.    Were sub-awards issued under this assistance agreement?   Yes____ No____ Were contracts issued under this assistance agreement?       Yes____ No____					
5E.                                  MBE/WBE Accomplishments This Reporting Period Actual MBE/WBE Procurement Accomplished (Include total dollar values awarded by recipient, sub-recipients, SRF loan recipients and Prime Contractors.)					
	Construction	Equipment	Services	Supplies	Total
\$MBE:	_____	_____	_____	_____	_____
\$WBE:	_____	_____	_____	_____	_____
6. COMMENTS: (If no MBE/WBE procurements, please summarize how certified MBEs/WBEs were notified of the opportunities to compete for the procurement dollars entered in Block 5C and why certified MBEs /WBEs were not awarded any procurements during this reporting period.)  					
7. NAME OF RECIPIENT’S AUTHORIZED REPRESENTATIVE			TITLE		
8. SIGNATURE OF RECIPIENT’S AUTHORIZED REPRESENTATIVE			DATE		



## EPA Financial Assistance Agreement Number: \_\_\_\_\_

[illegible]

Note: Recipients are required to submit MBE/WBE reports to EPA beginning with the Federal fiscal year the recipients receive the award, continuing until the project is completed.



## Instructions:

### A. General Instructions:

MBE/WBE utilization is based on 40 CFR Part 33. The reporting requirement reflects the class deviation issued on November 8, 2013, clarified on January 9, 2014 and modified on December 2, 2014. EPA Form 5700-52A must be completed annually by recipients of financial assistance agreements where the combined total of funds budgeted for procuring supplies, equipment, construction or services exceeds \$150,000. This reporting requirement applies to all new and existing awards and voids all previous reporting requirements.

In determining whether the \$150,000 threshold is exceeded for a particular assistance agreement, the analysis must focus on funds budgeted for procurement under the supplies, equipment, construction, services or "other" categories, and include funds budgeted for procurement under sub-awards or loans

Reporting will also be required in cases where the details of the budgets of sub-awards/loans are not clear at the time of the grant awards and the combined total of the procurement and sub-awards and/or loans exceeds the \$150,000 threshold.

When reporting is required, all procurement actions are reportable, not just the portion which exceeds \$150,000.

If at the time of award the budgeted funds exceed \$150,000 but actual expenditures fall below, a report is still required.

If at the time of award, the combined total of funds budgeted for procurements in any category is less than or equal to \$150,000 and is maintained below the threshold, no DBE report is required to be submitted.

Recipients are required to report 30 days after the end of each federal year, per the terms and conditions of the financial assistance agreement.

Last reports are due October 30<sup>th</sup> or 90 days after the end of the project period, whichever comes first.

MBE/WBE program requirements, including reporting, are material terms and conditions of the financial assistance agreement.

### B. Definitions:

**Procurement** is the acquisition through contract, order, purchase, lease or barter of supplies, equipment, construction or services needed to accomplish Federal assistance programs.

A **contract** is a written agreement between an EPA recipient and another party (also considered "prime contracts") and any lower tier agreement (also considered "subcontracts") for equipment, services, supplies, or construction necessary to complete the project. This definition excludes written agreements with another public agency. This definition includes personal and professional services, agreements with consultants, and purchase orders.

A **minority business enterprise (MBE)** is a business concern that is (1) at least 51 percent owned by one or more minority individuals, or, in the case of a publicly owned business, at least 51 percent of the stock is owned by one or more minority



individuals; and (2) whose daily business operations are managed and directed by one or more of the minority owners. In order to qualify and participate as an MBE prime or subcontractor for EPA recipients under EPA's DBE Program, an entity must be properly certified as required by 40 CFR Part 33, Subpart B.

U.S. citizenship is required. Recipients shall presume that minority individuals include Black Americans, Hispanic Americans, Native Americans, Asian Pacific Americans, or other groups whose members are found to be disadvantaged by the Small Business Act or by the Secretary of Commerce under section 5 of Executive order 11625. The reporting contact at EPA can provide additional information.

A **woman business enterprise (WBE)** is a business concern that is, (1) at least 51 percent owned by one or more women, or, in the case of a publicly owned business, at least 51 percent of the stock is owned by one or more women and (2) whose daily business operations are managed and directed by one or more of the women owners. In order to qualify and participate as a WBE prime or subcontractor for EPA recipients under EPA's DBE Program, an entity must be properly certified as required by 40 CFR Part 33, Subpart B.

Business firms which are 51 percent owned by minorities or women, but are in fact not managed and operated by minorities or females do not qualify for meeting MBE/WBE procurement goals. U.S. Citizenship is required.

### **Good Faith Efforts**

A recipient is required to make the following good faith efforts whenever procuring construction, equipment, services, and supplies under an EPA financial assistance agreement. These good faith

efforts for utilizing MBEs and WBEs must be documented. Such documentation is subject to EPA review upon request:

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Use the services and assistance of the SBA and the Minority Business Development Agency of the Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the steps in paragraphs (a) through (e) of this section.



### C. Instructions for Part I:

1A. Specify Federal fiscal year this report covers. The Federal fiscal year runs from October 1st through September 30th (**e.g. November 29, 2014 falls within Federal fiscal year 2015**)

1B. Specify report type. Check the annual reporting box. Also indicate if the project is completed.

1C. Indicate if this is a revision to a previous year and provide a brief description of the revision you are making.

2A-B. Please refer to your financial assistance agreement for the mailing address of the EPA financial assistance office for your agreement.

The "EPA DBE Reporting Contact" is the DBE Coordinator for the EPA Region from which your financial assistance agreement was originated. For a list of DBE Coordinators please refer to the EPA OSBP website at [http://epa.gov/osbp/dbe\\_cord](http://epa.gov/osbp/dbe_cord).

3A-B. Identify the agency, state authority, university or other organization which is the recipient of the Federal financial assistance and the person to contact concerning this report.

4A. Provide the Assistance Agreement number assigned by EPA. A separate report must be submitted for each Assistance Agreement.

**\*For SRF recipients:** In box 4a list numbers for ALL OPEN Assistance Agreements being reported on this form.

4B. Refer back to Assistance Agreement document for this information.

5A. Provide the total amount of the Assistance Agreement which includes Federal funds plus recipient matching funds and funds from other sources.

**\*For SRF recipients only:** SRF recipients will not enter an amount in 5a. SRF recipients should check the "N/A" box.

5B. Self-explanatory.

5C. Provide the total dollar amount of **ALL** procurements awarded this reporting period by the recipient, sub-recipients, and SRF loan recipients, **including** MBE/WBE expenditures, not just the portion which exceeds \$150,000. For example: Actual dollars for procurement from the procuring office; actual contracts let from the contracts office; actual goods, services, supplies, etc., from other sources including the central purchasing/procurement centers).

**\*NOTE:** To prevent double counting on line 5C, if any amount on 5E is for a subcontract and the prime contract has already been included on Line 5C in a prior reporting period, then report the amount going to MBE or WBE subcontractor on line 5E, but exclude the amount from Line 5C. To include the amount on 5C again would result in double counting because the prime contract, which includes the subcontract, would have already been reported.

**\*For SRF recipients only:** In 5c please enter the total annual procurement amount under all of your SRF Assistance Agreements. The figure reported in this section is **not** directly tied to an individual Assistance Agreement identification number. (**SRF state recipients report state procurements in this section**)



5D. State whether or not sub-awards and/or subcontracts have been issued under the financial assistance agreements by indicating “yes” or “no”.

5E. Where requested, also provide the total dollar amount of all MBE/WBE procurement awarded during this reporting period by the recipient, sub-recipients, SRF loan recipients, and prime contractors in the categories of construction, equipment, services and supplies. These amounts include Federal funds plus recipient matching funds and funds from other sources.

6. If there were no MBE/WBE accomplishments this reporting period, please briefly how certified MBEs/WBEs were notified of the opportunities to compete for the procurement dollars entered in Block 5C and why certified MBEs /WBEs were not awarded any procurements during this reporting period.

7. Name and title of official administrator or designated reporting official.

8. Signature, month, day, and year report submitted.

#### **D. Instructions for Part II:**

For each MBE/WBE procurement made under this financial assistance agreements during the reporting period, provide the following information:

1. Check whether this procurement was made by the recipient, sub-recipient/SRF loan recipient, or the prime contractor.

2. Check either the MBE or WBE column. If a firm is both an MBE and WBE, the recipient may choose to count the entire procurement towards EITHER its MBE or WBE accomplishments. The recipient may also divide the total amount of the procurement (using any ratio it so chooses) and count those divided amounts toward its MBE and WBE accomplishments. If the recipient chooses to divide the procurement amount and count portions toward its MBE and WBE accomplishments, please state the appropriate amounts under the MBE and WBE columns on the form. **The combined MBE and WBE amounts for that MBE/WBE contractor must not exceed the “Value of the Procurement” reported in column #3**

3. Dollar value of procurement.

4. Date of procurement, shown as month, day, year. Date of procurement is defined as the date the contract or procurement was awarded, **not** the date the contractor received payment under the awarded contract or procurement, unless payment occurred on the date of award. **(Where direct purchasing is the procurement method, the date of procurement is the date the purchase was made)**

5. Using codes at the bottom of the form, identify type of product or service acquired through this procurement (e.g., enter 1 if construction, 2 if supplies, etc.).

6. Name, address, and telephone number of MBE/WBE firm.



**\*\*This data is requested to comply with provisions mandated by: statute or regulations (40 CFR Parts 30, 31, and 33 and/or 2 CFR Parts 200 and 1500); OMB Circulars; or added by EPA to ensure sound and effective assistance management. Accurate, complete data are required to obtain funding, while no pledge of confidentiality is provided.**

The public reporting and recording burden for this collection of information is estimated to average 1 hour per response annually. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclosure or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, OPPE Regulatory Information Division, U.S. Environmental Protection Agency (2136), 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460. Include the OMB Control number in any correspondence. Do not send the completed form to this address.



Exhibit C: Supplement to Instructions to Bidders (WIFIA and SRF), Project Requirements, WIFIA  
and SRF Funding Requirements

1. Insert referenced guidelines and Forms 4500-2, 4500-3 and 4500-4 under Exhibit C, Attachment 6, Supplement to Instructions to Bidders (SRF), State Water Board DBE Requirements.





California State Water Resources Control Board  
Division of Financial Assistance  
1001 I Street • Sacramento, California 95814 • (916) 341-5700 FAX (916) 341-5707  
Mailing Address: P. O. Box 944212 • Sacramento, California • 94244-2120  
Internet Address: <http://www.waterboards.ca.gov>

## **Guidelines for Meeting the California State Revolving Fund (CASRF) Programs (Clean Water and Drinking Water SRF) Disadvantaged Business Enterprise Requirements**

The Disadvantaged Business Enterprise (DBE) Program is an outreach, education, and objectives program designed to increase the participation of DBEs in the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) Programs.

### **How to Achieve the Purpose of the Program**

Recipients of CWSRF/DWSRF financing that are subject to the DBE requirements (recipients) are required to seek, and are encouraged to use, DBEs for their procurement needs. Recipients should award a "fair share" of sub-agreements to DBEs. This applies to all sub-agreements for equipment, supplies, construction, and services.

The key functional components of the DBE Program are as follows:

- Fair Share Objectives
- DBE Certification
- Six Good Faith Efforts
- Contract Administration Requirements
- DBE Reporting

### **Disadvantaged Business Enterprises are:**

- Entities owned and/or controlled by socially and economically disadvantaged individuals as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d) (8% statute), respectively;
- Minority Business Enterprise (MBE) - entities that are at least 51% owned and/or controlled by a socially and economically disadvantaged individual as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note), and Public Law 102-389 (42 U.S.C. 4370d), respectively;
- Women Business Enterprise (WBE) - entities that are at least 51% owned and/or controlled by women;
- Small Business Enterprise (SBE);
- Small Business in a Rural Area (SBRA);
- Labor Surplus Area Firm (LSAF); or
- Historically Underutilized Business (HUB) Zone Small Business Concern or a concern under a successor program.

### **Certifying DBE Firms:**

Under the DBE Program, entities can no longer self-certify and contractors and sub-contractors must be certified at bid opening. Contractors and sub-contractors must provide to the CASRF recipient proof of DBE certification. Certifications will be accepted from the following:

- The U.S. Environmental Protection Agency (USEPA)
- The Small Business Administration (SBA)
- The Department of Transportation's State implemented DBE Certification Program (with U.S. citizenship)
- Tribal, State and Local governments
- Independent private organization certifications

If an entity holds one of these certifications, it is considered acceptable for establishing status under the DBE Program.



## **Six Good Faith Efforts (GFE)**

All CWSRF/DWSRF financing recipients are required to complete and ensure that the prime contractor complies with the GFE below to ensure that DBEs have the opportunity to compete for financial assistance dollars.

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practical through outreach and recruitment activities. For Tribal, State and Local Government Recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs. Posting solicitations for bids or proposals for a minimum of 30 calendar days in a local newspaper, before the bid opening date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs.
4. Encourage contracting with a group of DBEs when a contract is too large for one firm to handle individually.
5. Use the services of the SBA **and/or** Minority Business Development Agency (MBDA) of the US Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.

The forms listed in the table below and attached to these guidelines; must be completed and submitted with the GFE:

FORM NUMBER	FORM NAME	REQUIREMENT	PROVIDED BY	COMPLETED BY	SUBMITTED TO
SWRCB Form 4500-2 or EPA Form	DBE Sub-Contractor Participation Form	As Needed to Report Issues	Recipient	Sub-contractor	EPA DBE Coordinator
SWRCB Form 4500-3 or EPA Form	DBE Sub-Contractor Performance Form	Include with Bid or Proposal Package	Prime Contractor	Sub-Contractor	SWRCB by Recipient
SWRCB Form 4500-4 or EPA Form	DBE Sub-Contractor Utilization Form	Include with Bid or Proposal Package	Recipient	Prime Contractor	SWRCB by Recipient

**The completed forms must be submitted with each Bid or Proposal.** The recipient shall review the bidder's documents closely to determine that the GFE was performed **prior** to bid or proposal opening date. Failure to complete the GFE and to substantiate completion of the GFE before the bid opening date could jeopardize CWSRF/DWSRF financing for the project. The following situations and circumstances require action as indicated:

1. If the apparent successful low bidder was rejected, a complete explanation must be provided.
2. Failure of the apparent low bidder to **perform** the GFE **prior** to bid opening constitutes a non-responsive bid. The construction contract may then be awarded to the next low, responsive, and responsible bidder that meets the requirements or the Recipient may re-advertise the project.
3. If there is a bid dispute, all disputes shall be settled **prior** to submission of the Final Budget Approval Form.

## **Administration Requirements**

- A recipient of CWSRF/DWSRF financing must require entities receiving funds to create and maintain a Bidders List if the recipient of the financing agreement is subject to, or chooses to follow, competitive bidding requirements.
- The Bidders list must include all firms that bid or quote on prime contracts, or bid or quote on subcontracts, including both DBEs and non-DBEs.



- Information retained on the Bidder's List must include the following:
  1. Entity's name with point of contact;
  2. Entity's mailing address and telephone number;
  3. The project description on which the entity bid or quoted and when;
  4. Amount of bid/quote; and
  5. Entity's status as a DBE or non-DBE.
- The Bidders List must be kept until the recipient is no longer receiving funding under the agreement.
- The recipient shall include Bidders List as part of the Final Budget Approval Form.
- A recipient must require its prime contractor to pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the Recipient.
- A recipient must be notified in writing by its prime contractor prior to any termination of a DBE subcontractor by the prime contractor.
- If a DBE subcontractor fails to complete work under the subcontract for any reason, the recipient must require the prime contractor to employ the six GFEs if soliciting a replacement subcontractor.
- A recipient must require its prime contractor to employ the six GFEs even if the prime contractor has achieved its fair share objectives.

### **Reporting Requirements**

For the duration of the construction contract(s), the recipient is required to submit to the State Water Resources Control Board DBE reports annually by October 10 of each fiscal year on the attached Utilization Report form (UR-334). Failure to provide this information as stipulated in the financial agreement language may be cause for withholding disbursements.

### **CONTACT FOR MORE INFORMATION**

SWRCB, CASRF – Barbara August (916) 341-6952 [barbara.august@waterboards.ca.gov](mailto:barbara.august@waterboards.ca.gov)

US EPA, Region 9 – Joe Ochab (415) 972-3761 [ochab.joe@epa.gov](mailto:ochab.joe@epa.gov)



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## ***Disadvantaged Business Enterprise (DBE) Program***

### ***DBE Subcontractor Participation Form***

A Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE<sup>1</sup> subcontractor<sup>2</sup> the opportunity to describe work received and/or report any concerns regarding the funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the DBE Coordinator at any time during the project period of performance.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Amount Received by Prime Contractor

---

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.



Please use the space below to report any concerns regarding the above funded project:

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

**Send completed Form 4500-2 to:**

Mr. Joe Ochab, DBE Coordinator  
US EPA, Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

***FORM 4500-2 (DBE Subcontractor Participation Form)***





## ***Disadvantaged Business Enterprise (DBE) Program***

### ***DBE Subcontractor Performance Form***

This form is intended to capture the DBE<sup>1</sup> subcontractor's<sup>2</sup> description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity	

<b>Contract Item Number</b>	<b>Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies</b>	<b>Price of Work Submitted to the Prime Contractor</b>
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other: _____		Meets/exceeds EPA certification standards? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unknown

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.



I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

**FORM 4500-3 (DBE Subcontractor Performance Form)**





**Disadvantaged Business Enterprise (DBE) Program**  
**DBE Subcontractor Utilization Form**

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE<sup>1</sup> subcontractor's<sup>2</sup> and the estimated dollar amount of each subcontract. A Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Issuing/Funding Entity			

<p>I have identified potential DBE certified subcontractors.    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p>If yes, please complete the table below. If no, please explain:</p>			
Subcontractor Name/ Company Name	Company Address / Phone / Email	Estimated Dollar Amount	Currently DBE Certified?

--Continue on back if needed--

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.



I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.





**STATE WATER RESOURCES CONTROL BOARD – DIVISION OF FINANCIAL ASSISTANCE  
DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION  
CALIFORNIA STATE REVOLVING FUNDS (CASRF)  
FORM UR-334**

1. Grant/Finance Agreement Number:		2. Annual Reporting Period  10/1/____ through 09/30/____		3. Purchase Period of Financing Agreement:	
4. Total Payments Paid to Prime Contractor or Sub-Contractors During Current Reporting Period: \$					
5. <u>Recipient's Name and Address:</u>			6. <u>Recipient's Contact Person and Phone Number:</u>		
7. List All DBE Payments Paid by Recipient or Prime Contractor During Current Reporting Period:					
Payment or Purchase Paid by Recipient or Prime Contractor	Amount Paid to Any DBE Contractor or Sub-Contractor For Service Provided to Recipient		Date of Payment (MM/DD/YY)	Procurement Type Code** (see below)	Name and Address of DBE Contractor of Sub-Contractor or Vendor
	MBE	WBE			
8. Initial here if no DBE contractors or sub-contractors paid during current reporting period:					
9. Initial here if all procurements for this contract are completed:					
10. Comments:					
11. Signature and Title of Recipient's Authorized Representative			12. Date		

**Email Form UR-334 to:**

[DrinkingWaterSRF@waterboards.ca.gov](mailto:DrinkingWaterSRF@waterboards.ca.gov) OR [CleanWaterSRF@waterboards.ca.gov](mailto:CleanWaterSRF@waterboards.ca.gov)

**Questions may be directed to:**

Barbara August, SWRCB  
[Barbara.August@waterboards.ca.gov](mailto:Barbara.August@waterboards.ca.gov)  
 Phone: (916) 341-6952  
 Fax: (916) 327-7469

**\*\*Procurement Type:**

1. Construction
2. Supplies
3. Services (includes business services; professional services; repair services and personnel services)
4. Equipment



**STATE WATER RESOURCES CONTROL BOARD - DIVISION OF FINANCIAL ASSISTANCE  
DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION  
CALIFORNIA STATE REVOLVING FUNDS**

**INSTRUCTIONS FOR COMPLETING FORM UR-334**

- Box 1** Grant or Financing Agreement Number.
- Box 2** Annual reporting period.
- Box 3** Enter the dates between which you made procurements under this financing agreement or grant.
- Box 4** Enter the total amount of payments paid to the contractor or sub-contractors during this reporting period.
- Box 5** Enter Recipient's Name and Address.
- Box 6** Enter Recipient's Contact Name and Phone Number.
- Box 7** Enter details for the **DBE purchases only** and be sure to limit them to the current period.  
1) Use either an "R" or a "C" to represent "Recipient" or "Contractor." 2) Enter a dollar total for DBE and total the two columns at the bottom of the section. 3) Provide the payment date. 4) Enter a product type choice from those at the bottom of the page. 5) List the vendor name and address in the right-hand column
- Box 8** Initial here if no DBE contractors or sub-contractors were paid during this reporting period.
- Box 9** Initial this box only if all purchases under this financing agreement or grant have been completed during this reporting period or a previous period. If you initial this box, we will no longer send you a survey.
- Box 10** This box is for explanatory information or questions.
- Box 11** Provide an authorized representative signature.
- Box 12** Enter the date form completed.