

SECTION 01 11 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY OF WORK

A. The Work to be performed under this contract is located on:

1. 47th Avenue from Taraval Street to Sloat Boulevard
2. 46th Avenue from Ulloa Street to Sloat Boulevard
3. 45th Avenue from Vicente Street to Sloat Boulevard
4. Ulloa St from 47th Avenue to 46th Avenue
5. Vicente Street from 47th Avenue to 46th Avenue
6. Wawona Street from 47th Avenue to 44th Avenue
7. Sloat Boulevard from Lower Great Highway to 44th Avenue

Sewer Work includes, but is not limited to:

1. Mobilization work;
2. Demobilization work;
3. Traffic control work;
4. Trench and excavation support work;
5. Constructing 12-inch, 15-inch, 18-inch, and 21-inch diameters bell and spigot type vitrified clay extra strength pipe (VCP) on crushed rock bedding wrapped in geotextile fabric;
6. Constructing 6-inch or 8-inch diameter side sewer connections;
7. Replacing, lining or constructing 6-inch or 8-inch diameter VCP side sewers and 10-inch diameter VCP culverts;
8. Cleaning and televising sewers prior to lining work;
9. Removal of side sewer and culvert protrusions and obstacles prior to lining work;
10. Bypass main sewer flow;
11. Lining 8-inch, 12-inch diameter VCP or ISP sewer with Cured-In-Place-Liner (CIPL)
12. Re-instate side sewer and culverts in main sewer;
13. Cleaning and mortaring existing brick manholes;
14. Constructing cast-in-place or precast concrete manholes;
15. Constructing concrete catch basins with frame and grating;
16. Television inspection of main sewers prior to construction;
17. Television inspection of existing side sewers and culverts within limits of SW-Drawings;
18. Post-Construction television of newly constructed and new lined main sewers;
19. Post-Construction television of newly constructed side sewers and culverts;

20. Plugging and filling existing main sewers with slurry grout, and plugging existing side sewers;
21. Adjust city-owned manhole and catch-basin frame and casting to grade;
22. Potholing as directed by City Representative;
23. Control density fill bedding material for water main and AWSS facilities encountered within the sewer trench prior to backfill;
24. Allowance for transportation, handling, and disposal of surplus excavated material;
25. Cash allowance for excavation permit fee assessed by BSM;
26. Performing necessary work due to unforeseen conditions;
27. Pre-excavation soil sampling, handling, transportation, and disposal of hazardous excavated materials and contaminated soils, if necessary;
28. Restoring concrete base inside and outside sewer T-trench limit, as necessary per Excavation Regulations;
29. Furnishing and installing connections to and between sewers, structures, and culverts;
30. Furnishing and installing pipe to pipe connections using mechanical shear band repair couplings;
31. Excavation, backfilling, and compaction of trench;
32. At the conclusion of work, cleaning existing catch basins and disposing waste materials located within contract limits;
33. Performing all related and Incidental Work;
34. Supporting, working around, and protecting certain San Francisco Water Department, Fire Department, and other utility agency and company facilities in conjunction with the work under this contract; and
35. Performing all appurtenant work required in accordance with the Contract Documents and in accordance with the latest edition of San Francisco DPW Standard Specifications.

Paving and Curb Ramp Work includes, but is not limited to:

1. Mobilization and demobilization work;
2. Traffic control work;
3. Excavating, removing and disposing of existing pavement, concrete base, parking strip, curb and sidewalk;
4. Reconstructing curb inlets;
5. Constructing concrete catch basins with frame and grating;
6. Constructing speed humps;
7. Supporting and working around existing utilities;
8. Handling all drainage or ground water;
9. Removing surplus material;
10. Cleaning project site;
11. Furnishing and placing of backfill material;
12. Constructing 2-inch thick asphalt concrete wearing surface over 8-inch thick concrete base, 8-inch thick concrete pavement, 4-inch and 6-inch wide concrete curb, 3-1/2-inch thick concrete sidewalk, concrete curb

- ramps with concrete detectable tiles;
 - 13. Restoration of sidewalk, curb, gutter, and parking strip;
 - 14. Adjusting City-owned manhole frame and cover to grade;
 - 15. Adjusting City-owned catch basin frame and grating to grade;
 - 16. Adjusting City-owned castings to grade;
 - 17. Performing all appurtenant work required in accordance with the Contract Documents and in accordance with the latest edition of San Francisco DPW Standard Specifications.
- B. The Work shall include providing all labor, tools, equipment, materials, transportation and services, as well as performing all operations necessary for and properly incidental to the construction and completion of the Work as indicated on the Contract Documents.
- C. The Drawings indicate the location, extent, design and details of the Work required to be performed. The Drawings are listed in the Table of Contents. When reference is made to “plans” in the Contract Documents, it shall be understood that such reference refers to the Drawings.
- 1. The Drawings may refer to certain details of Work which are shown on the Standard Plans of the City and County of San Francisco, Bureau of Engineering, Department of Public Works, latest edition. All such referenced details shall be incorporated into the Contract Documents by their reference.
 - 2. Refer to Section 01 42 00 for availability of Standard Plans.
- D. Division 1, General Requirements, of these Technical Specifications is a part of this Contract, and its provisions shall apply with equal force to all parts of the Work and are a part of each and every section of the Specifications.

1.02 CONSTRUCTION SCHEDULING AND SEQUENCING

- A. Refer to schedule “Upcoming Street Closures for Special Events” for traffic lane requirements that may affect Contractor’s schedule of operations. Contractor shall obtain the latest schedule from the Department of Parking and Traffic prior to bid. Contractor shall account for any street closures in their bid price.
- B. Contractor shall coordinate its operations with the City and shall incorporate in its progress schedule activities for all special events that will require Contractor to suspend its operations at the Work site.
- C. In accordance with Article 5.02 of Section 00 72 00 General Conditions, the Contractor shall coordinate Work with the following projects:
- 1. San Francisco Public Utilities Commission Contract No. WW-645 (2458J) *Westside Pump Station Reliability Improvements*

anticipates construction at the intersection of **Sloat Boulevard/Great Highway** commenced in April 2019. Contact Project Engineer Stephanie Wong at (415) 551-4840 (sawong@sfgwater.org) for coordination. The Contractor shall coordinate any street space usage and traffic control, as needed, with Westside Pump Station Reliability Improvements.

2. San Francisco Public Utilities Commission ***Various Locations Pavement Renovation No. 60 (1915I)*** anticipates construction at the intersection of **Ulloa St/47th Ave to 46th Ave** to commence in November 2022. Contact Project Engineer Olivia Barradas at (415) 271-2469 (olivia.barradas@sfdpw.org) for coordination. The Contractor shall coordinate any street space usage and traffic control, as needed, with Various Locations 60.
3. San Francisco Public Utilities Commission ***Various Locations Pavement Renovation No. 73*** anticipates construction at the intersection of **Ulloa St/47th Ave to 46th Ave** to commence in Spring/Summer 2024. Contact Project Engineer Richard Lee at (415) 554-8282 (richard.lee@sfdpw.org) for coordination. The Contractor shall coordinate any street space usage and traffic control, as needed, with Various Locations 73.
4. San Francisco Municipal Transportation Agency Contract No. ***1308R L-Taraval Transit Improvement Project*** anticipates construction near the intersection of **Ulloa Street/46th Avenue, Vicente Street/47th Avenue, Vicente Street/46th Avenue, Wawona Street/47th Avenue, Wawona Street/46th Avenue** commenced in December 2021. Contact Project Engineer Karen Tanquilut at (415) 701-4313 (Karen.Tanquilut@sfmta.com) for coordination. The Contractor shall coordinate any street space usage and traffic control, as needed, with L-Taraval Transit Improvement Project.
5. San Francisco Public Works Contract No. ***10037211 Sloat Infrastructure Improvements Project (1295I)*** anticipates construction near the intersection of **Sloat Blvd./45th Ave, Sloat Blvd./46th Ave** to commence in February 2022. Contact Project Engineer Alessandro Peruffo at (628) 271-2487 (Alessandro.peruffo@sfdpw.org) for coordination. The Contractor shall coordinate any street space usage and traffic control, as needed, with Sloat Infrastructure Improvements Project.

- D. Five (5) working days prior to construction work, Contractor shall notify Mark Middleton of the San Francisco Public Utilities Commission at (415) 262-2144 or (415) 254-3538 to schedule removal of flow meters installed in sewer manholes, if encountered within the work scope.

Three (3) days after completion of sewer work, Contractor shall contact Mark Middleton for PUC to reinstall flow meters at affected locations.

- E. The maximum duration of construction work at each location shall not exceed the durations tabulated below. The duration shall include completion of Final Paving and completion of punch list for all work at the location. Maximum duration includes two weeks of time for the City to process, review and approve post construction videos.

Contractor may schedule multiple headings at one time in order to meet the Contract Time as specified in Section 00 73 02. Maximum durations do not include the time needed to apply for permits, exploratory potholing at the direction of the City Representative, and approvals from issuing agencies, or for the Contractor to notify property owners, all of which shall be completed prior to start of construction at each location.

Location	Maximum Continuous Construction Duration (Weeks)
Sloat Boulevard from Lower Great Highway to 44th Avenue	11
Wawona Street from 47th Avenue to 44th Avenue	13
Vicente Street from 47th Avenue to 45th Avenue	9
Ulloa Street from 47th Avenue to 46th Avenue	2
47th Avenue from Sloat Boulevard to Taraval Street	34
46th Avenue from Sloat Boulevard to Ulloa Street	3
45th Avenue from Sloat Boulevard to Vicente Street	11

Failure to comply with the maximum construction durations within the allotted time will result in liquidated damages of **\$1,800** per calendar day at each location.

In addition, submit sewer as built records drawings to the City Representative 5 working days after completion of sewer work at each location, including completion of sewer work related punch list items performed prior to final roadway trench restoration or pavement renovation.

1.03 MISCELLANEOUS INSTRUCTIONS TO THE CONTRACTOR

- A. Prior to the start of construction, the Contractor shall verify lateral depth and notify City Representative of findings to determine if profile requires adjustments as indicated on contract plans.
- B. Prior to the start of construction, the Contractor shall furnish the City Representative with enough spray paint to make all markings needed for the project as Incidental Work at no additional cost to the City.

- C. Contractor shall use proper equipment to prevent unnecessary damages for the facilities on the job site such as no heavy equipment on top of sidewalk.
- D. Contractor shall stage his grinding and paving operation so that the following requirements are met:
1. The parking shall be restored in a particular section, as soon as the grinding/paving work is completed.
 2. The Contractor shall grind or pave the full width of the Final Asphalt Concrete Wearing Surface (ACWS) Limits within a block by the end of a work shift.
- E. Whenever the grade difference between the new concrete base, manholes, etc and the existing AC pavement exceeds 0.75 inches, the Contractor shall use temporary paving (hot asphalt concrete) conforming to Section 211 of DPW Standard Specifications, to provide longitudinal and/or transverse transition from the new concrete base, manholes, etc to AC pavement, at the end of the work shift, before opening the lanes to traffic. A smooth transition of not less than eighteen (18) inches horizontally between the existing pavement and the plate shall be provided.
- F. Initial Curb Ramps: The Contractor shall complete the construction of the initial curb ramps at two curb returns and have them inspected and approved by the City Representative prior to proceeding with construction of the other curb ramps. No additional curb ramps shall be constructed until the City Representative has approved the initial curb ramps. Inspection will include workmanship, color, finishes, and to verify that the curb ramps conform to the plans and specifications. The approved initial curb ramps shall be a standard of comparison for all curb ramps work.
- G. Contractor must coordinate construction work with the L-Taraval Improvement Project – Sunset Boulevard to West Portal project (Contract 1308R). Contract 1308R will shut down the L-Taraval tracks for a period of 300 days along:
- 46th Avenue – Ulloa to Vicente, and Vicente to Wawona
 - 47th Avenue – Vicente to Wawona
 - Vicente Street – 46th to 47th
 - Wawona Street – 46th to 47th

Work under this contract on the blocks affected by the track shutdown must occur during the track shutdown duration. The 30-day notice for these blocks must be issued within 30-days of the start of the Contract 1308 track shutdown, and work under this contract for these blocks is to commence within 30-days thereafter. Each block of work, inclusive of closed circuit television inspection, cured-in-place lining, manhole mortaring, lateral reinstatement, curb ramp work, and any

pavement restoration, on these affected blocks must be completed within 30-days of start of work for that particular block.

- H. Contractor shall perform video inspections of the following sewer assets required by the City prior to any other work:

STREET	TO	FROM	PIPE SIZE	PIPE MATERIAL	PLAN NUMBER
Wawona Street	46th Avenue	(in Intersection)	8"	ISP	SW-3
Vicente Street	47th Avenue	(in Intersection)	8"	ISP	SW-8
47th Avenue	Wawona Street	(in Intersection)	8"	VCP	SW-3
46th Avenue	Vicente Street	Ulloa Street	8"	VCP	SW-11
47th Avenue	Vicente Street	(in Intersection)	12"	ISP	SW-8
Wawona Street	47th Avenue	(in Intersection)	8"	ISP	SW-3
47th Avenue	Wawona Street	Sloat Boulevard	8"	ISP	SW-1,3
Wawona Street	47th Avenue	46th Avenue	8"	ISP	SW-3

1.04 HAZARDOUS MATERIALS MANAGEMENT AND DUST CONTROL

- A. The Contractor is alerted to the possibility that hazardous waste and/or contaminated material may be discovered during the course of this Contract. In the event that such hazardous/contaminated material is discovered, the Contractor shall immediately notify the City Representative both verbally and in writing. Upon receipt of such notification, the City, at its sole option, may either (a) perform the remediation/abatement work using its own forces or using an outside contractor specializing in abatement work or (b) direct the Contractor to perform all or any part of the remediation/abatement and hazardous materials removal work.
- B. If the City Representative directs the Contractor to perform the remediation/abatement and removal of the hazardous materials, the City Representative will do so by change order. The Contractor must promptly provide a properly licensed and insured subcontractor (with CSLB hazardous substance removal certification) to perform abatement work. Refer to Section 00 73 16 for a description of the Contractor's required insurance.
- C. In the event that hazardous/contaminated material is discovered, then all work in the affected area will stop pending further direction from the City Representative. The City Representative shall determine whether the abatement and removal process requires suspension of all, none or any part of the work under this Contract.

1.05 ELECTRONIC CERTIFIED PAYROLL REQUIREMENTS

- A. Contractor shall fully comply with the submittal requirements for electronic certified payrolls as outlined in Article 9.03.M of the Section 00 72 00 General Conditions.

1.06 EXPERIENCE REQUIREMENTS FOR INSTALLATION OF SEWER PIPELINES UP TO AND INCLUDING 36-INCH DIAMETER

- A. Bidder or Bidder's subcontractor shall have successfully completed a minimum of three (3) sewer pipeline projects of similar scope and complexity with substantial completion dates within the last eight (8) years from the bid date of this contract. Each project shall include satisfactory installation of at least one thousand (1,000) linear feet of 21-inch diameter (minimum) sewer pipeline at a depth of at least 10 feet (includes excavation and shoring support).

OR

Bidder or Bidder's subcontractor shall have successfully completed a minimum of one (1) sewer pipeline project of similar scope and complexity for the City and County of San Francisco with substantial completion dates within three (3) years from the bid date of this contract. The project(s) shall include satisfactory installation of at least one thousand (1,000) linear feet of 12-inch diameter (minimum) sewer pipeline at a depth of at least 10 feet (includes excavation and shoring support).

- B. Project Superintendent shall have a minimum five (5) years of experience, and have served as the construction superintendent on a minimum of three (3) pipeline projects of similar scope and complexity with substantial completion dates within the last eight (8) years from the bid date of this contract. Within each project, he/she shall have superintendent experience of pipeline installation of at least one thousand (1,000) feet of 21-inch (minimum) diameter pipe at a depth of at least 10 feet (includes excavation and shoring support).

1.07 CONSTRUCTION SITE VISITORS

- A. All construction site visitors upon arrival must check in with the Contractor's Site Safety Representative (SSR). Visitors are defined as persons who are not assigned as direct staff or employees of the Contract. The SSR will coordinate a site-specific safety orientation prior to jobsite entry. The site-specific safety orientation shall provide visitors with a review and understanding of safe jobsite procedures and practices, including any safety trainings if required. The Contractor's site-specific safety orientation, at a minimum, shall include discussion of:
1. Required personal protective equipment (PPE)
 2. Site access/egress routs (Site Access Control Plan)
 3. Emergency contacts and procedures
 4. First-aid locations
 5. Potential known hazards
 6. Required safety trainings and procedures
 7. Construction site operations and conditions
- B. Following the site-specific safety orientation, visitors must complete and sign a Construction Site Visitor Policy form provided by the Contractor. Failure to acknowledge and agree to all requirements of the Construction Site Visitor Policy form shall result in denied access to the construction work zone. The Visitors' Policy form, at a minimum, shall require visitors to accept and acknowledge that they:
1. Have received and understand the site-specific safety orientation
 2. Must not handle or utilize any job equipment, tools, or materials at any time
 3. Must wear proper PPE at all times (Contractor is responsible for providing any missing PPE to visitors)
 4. Must attend any required safety trainings
 5. Must observe and comply with construction signage, barricades and operations
- C. All visitors re-visiting jobsites shall be identified with a visitor sticker provided by the Contractor. Contractor shall be responsible for providing and maintaining legible stickers. Visitor stickers shall indicate the visitor's name, the date of the site-specific safety orientation, and the project number. The Contractor's SSR is responsible for determining if any additional re-training is required to account for changing site conditions and procedures.
- D. The City Representative and Contractor shall reserve the right to remove any visitor from the jobsite at any time, if he or she feels that the visitor is failing to adhere with the on-site safety requirements. Areas open to public access (e.g.

sidewalks/designated paths of travel) are exempt from the Construction Site Visitor Policy.

- E. The Contractor shall include in its Health and Safety Plan (HASP) written construction site visitor guidelines, including information on the site-specific safety orientation and sample Construction Site Visitor Policy form.

1.08 CIPL MONITORING

- A. Contractor shall submit a “Styrene Mitigation Plan” with designs to reduce, shield, control and direct the emission of styrene emissions and/or other potentially harmful gases and meet the requirements and guidelines of agencies having jurisdiction over this work, including but not limited to California Occupational Safety and Health Administration (CAL/OSHA) requirements, State of California Division of Industrial Safety, U.S. National Institute of Occupational Safety and Health (NIOSH), and the project action levels (both Tiers I and II) listed below. The Contractor is directed to the table below regarding project action levels and maximum allowable levels, which shall be used when developing the Styrene Mitigation Plan submittal.

	Maximum Allowable Level
California Occupational Safety and Health Administration (CAL/OSHA)	
<u>PERMISSIBLE EXPOSURE LIMIT</u>	
Permissible exposure limit expressed as a time-weighted average; the concentration of a substance to which most workers can be exposed without adverse effect averaged over a normal 8-hour workday or a 40-hour workweek (PEL-TWA)	50 ppm
<u>SHORT-TERM EXPOSURE LIMIT</u>	
Short-term exposure limit expressed as a 15- minute time weighted average exposure which should not be exceeded at any time during a workday (STEL)	100 ppm
National Institute of Occupational Safety and Health (NIOSH)	
Recommended exposure limit for an 8- or 10-hour timeweighted-average exposure and/or ceiling (REL-TWA)	50 ppm
Recommended short-term exposure limit; a 15-minute TWA exposure which should not be exceeded at any time during a workday (STEL)	100 ppm
PROJECT ACTION LEVEL TIER I, (INSIDE WORK AREA)	10 ppm
PROJECT ACTION LEVEL TIER II (CLOSEST TO COMMUNITY RECEPTORS)	4.9 ppm

1. The Styrene Mitigation Plan:
 - a. shall be reviewed and approved by a Certified Industrial Hygienist (CIH).
 - b. shall provide sufficient details on how to reduce the emission of styrene at the project location and throughout the CIPL installation process to meet the requirements in the table above, particularly: when opening the storage unit and on preventing styrene odor; from travelling up sewer laterals and into private properties, and from being released into the environment.
 - c. may include engineering measures, such as: airtight barriers or containment, use of local exhaust ventilation or similar controls for a minimum of 24 hours.
 - d. shall include additional mitigation measures that the Contractor shall implement within 1 hour if either the Project Action Level Tier I or Tier II are exceed.
 - e. shall be provided as a submittal per Section 01 33 00 - Submittal Procedures.
2. If styrene emission level exceeds the Project Action Level, Tier I or Tier II, as shown in the table above, Contractor shall implement additional mitigation measures approved in the Contractor's Styrene Mitigation Plan as soon as possible, but within 1 hour or less of being notified of the exceedance. If the additional mitigation measures are not successful in reducing the styrene emission levels within 2 consecutive calendar days, the City may issue a stop work notice immediately and/or suspend the future CIPL work until the Contractor (with recommendation from the Contractor's CIH) inform the City via a submittal on the additional measures to mitigate the styrene emission levels at Contractor's cost.
3. The City will be conducting ambient air monitoring at the project Tier I and Tier II locations. The City's monitoring data will take precedence over the Contractor's data with regards to implementing additional mitigation measures, with work suspension or work stoppage with this Contract. The Contractor may conduct its own air monitoring at its own costs.
4. The Styrene Monitoring Plan does not replace nor negates Contractor's sole responsibility to identify and comply with all applicable health and safety requirements for the health and safety of Contractor's employees and Subcontractors as set forth in applicable statues, laws and regulations. Contractor shall submit site-specific Contractor Health and Safety Plan

(HASP) prior to commencement of CIPL work activities, refer to Section 00 73 19.

5. If styrene emission levels exceed the regulatory limits established by the Cal/OSHA and NIOSH as shown in table above, Contractor shall suspend work immediately. For work suspensions due to exceedance with Cal/OSHA requirements, there shall be no compensation to the Contractor. It is the Contractor's responsibility to maintain levels below the requirements of Cal/OSHA and NIOSH.

1.2 HAZARDOUS OR CONTAMINATED MATERIALS, DUST CONTROLS, & EXCAVATION LIMITS

- A. Work will involve working in contaminated soils and environments. The Contractor shall adhere to the following requirements as written in its specific section:
 1. Environmental Mitigation Measures - Refer to Section 01 57 30.
 2. Regulatory Requirements - Refer to Section 01 41 00.
 3. Health & Safety Criteria - Refer to Section 00 73 19.
 4. Temporary Erosion and Sediment Controls (BMP) - Refer to Section 01 57 13.
 5. Excavation area limits (at any given time) that shall trigger additional requirements of the San Francisco Department of Public Health (SFPDH) Dust Control Ordinance - Article 22B, and the California Code of Regulations, Title 17, Section 93105 - Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations in areas of Serpentine containing Naturally Occurring Asbestos (NOA), and Cal/OSHA. Refer to Sections 01 57 30, and 02 81 00.
 6. For environmental training, manifest requirements, stockpiling, re-use of excavated soils, import fill criteria - Refer to Section 02 81 00.
 7. For handling, transportation and disposal of excavated materials and contaminated soils - Refer to Section 02 81 00.
 8. For pre-excavation soil profiling, environmental training, manifest requirements, stockpiling, re-use of excavated soils, import fill criteria - Refer to Section 02 81 00.

9. This project is not located within the Air Pollutant Exposure Zone (APEZ) in San Francisco or within 1,000 feet of a Sensitive Use, as set forth in Chapter 25 of the Environment Code and Section 6.25 of the Administrative Code.
- B. The Contractor is strongly advised to familiarize itself as to the actual site conditions that may be encountered during construction by all means available to it including, but not limited to, the use of USGS geologic maps.
- C. If the Contractor by its means and methods disturbs, grades or excavates more than one half acre surface area (21780 sq ft) at any given time, then the Contractor shall submit a Site-Specific Dust Control Plan (including Air Monitoring Protocols) for the review and approval from the City Representative and the San Francisco Department of Public Health, prior to start of construction. The Contractor at its own cost shall then furnish all labor, equipment, and means required to conduct the ambient and perimeter air monitoring as required by the San Francisco Department of Public Health (SFDPH) Dust Control Ordinance - Article 22B, and the Air Quality Monitoring Guidelines for San Francisco Health Code (SFHC) Article 22B, Real Time Dust Monitoring and Reporting. Refer to Section 01 57 30.
- D. Unforeseen hazardous/contaminated material work: In the event that unforeseen hazardous/contaminated material is discovered beyond the above referenced reports, the Contractor shall immediately notify the City Representative both verbally and in writing.
In the event that unforeseen Hazardous material is discovered, all work in the affected area will stop pending further direction from the City Representative. Upon receipt of such notification, the City, at its sole option, may either
 1. Stop all work in the affected area pending further direction from the City Representative
 2. The City Representative shall determine whether the remediation/abatement and hazard removal process requires suspension of all, none or any part of the work under this Contract.
 3. The City will perform the remediation/abatement work using its own forces or using an outside contractor specializing in remediation/abatement work or
 4. Direct the Contractor to perform all or any part of the remediation/abatement and hazardous materials removal work.
 5. If the City Representative directs the Contractor to perform the unforeseen remediation/abatement and removal of the hazardous

materials, the City Representative will do so by change order, and the Contractor must promptly provide a properly licensed and insured subcontractor (with CSLB hazardous substance removal certification and C-22 license pertinent to the task as per applicable law) to perform remediation/abatement work.

6. Refer to Section 00 73 16 – Insurance Requirements for a description of the Contractor’s required insurance.

- E. All work that affects intact paint with any level of lead will be performed by the Contractor or its sub-contractors under the Cal/OSHA Lead in Construction Standard 8 CCR 1532.1 as well as all Federal, State, and local regulations at no additional cost. If personal exposures to the workers exceed the 8-hr Permissible Exposure Level (PEL) of 50 micrograms/cubic meter, such worker(s) must have received training as a CDPH Certified Lead Worker (as per 17 CCR Division 1, Chapter 8).

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION