

SECTION 02 41 00

DEMOLITION

PART 1 – GENERAL

1.1 DESCRIPTION

- A. This Section includes provisions for existing surface improvements to be cleared or removed from the site as shown on the Drawings.
- B. Existing improvements will include, but are not limited to, asphalt concrete and concrete base roadway pavement, subgrade, concrete pavement, concrete parking strip, concrete gutter, concrete curb, concrete sidewalk, concrete curb ramps, and all other existing facilities or improvements as indicated on the Drawings and as described in these Specifications.

1.2 REFERENCE STANDARDS

- A. Standard Drawings of the City and County of San Francisco Department of Public Works, Bureau of Engineering (SSDPWSF), revised April, 2007.
- B. Standard Specifications of the City and County of San Francisco Department of Public Works, Bureau of Engineering (SSDPWSF), revised November, 2000.
- C. State of California Department of Transportation Standard Specifications (CTSS), dated 2018 and Caltrans 2018 Standard Plans.

1.3 RELATED SECTIONS

- A. Section 01 20 00 – Price and Payment Procedures
- B. Section 01 50 00 – Temporary Facilities and Controls
- C. Section 01 71 23 – Field Engineering
- D. Section 01 71 33 – Protection of Adjacent Construction
- E. Section 31 23 33 – Trenching and Backfilling
- F. Section 31 23 36 – Excavation and Backfill for Water Work

1.4 QUALITY CONTROL

- A. The Contractor shall perform demolition work in accordance with the requirements of Sections 700 and 701 of the DPW Standard Specifications, except as indicated herein.

1.5 EXISTING SITE CONDITIONS

- A. Bidders will visit, inspect and be familiar with existing site conditions, and compare all such conditions with the Drawings and Specifications to satisfy themselves as to the accuracy thereof. The submittal of a bid will be considered an acknowledgment by the bidder of familiarity with conditions under which the Work is to be performed.
- B. No allowance will be made for any unfavorable conditions or events, which might have been foreseen from a thorough examination of the Contract Documents and the existing site conditions.

PART 2 – PRODUCTS

2.1 MATERIALS AND EQUIPMENT

- A. The Contractor shall furnish all labor, materials and equipment, as required for removing or salvaging existing surface facilities as shown on the Drawings.

PART 3 – EXECUTION

3.1 PREPARATION

A. Notifications

- 1. Underground Service Alert
 - a. Before commencing any excavation, the Contractor shall obtain an Underground Service Alert (USA) inquiry identification number by calling (800) 642-2444.
 - b. The Contractor shall allow four (4) calendar days after the identification number is obtained and before excavation work is started so that utility owners can be notified by the Contractor.
 - c. Identification numbers will not be given more than ten (10) calendar days prior to starting excavation work.

3.2 PROTECTION

- A. The Contractor shall provide for temporary protection of street lighting and traffic signals required for construction operations.
- B. The Contractor shall take necessary precautions to preserve and protect private and public property within and adjacent to the site.
- C. The Contractor shall provide and maintain barricades, guard rails, plates and other safety devices as required, as Incidental Work. Refer to Section 01 50 00 – Temporary Facilities and Controls.

3.3 SURVEY REFERENCE POINTS

- A. The Contractor shall locate and preserve horizontal coordinates, and vertical elevations of San Francisco survey monument points during construction. The Contractor shall notify the County Surveyor at (415) 554-5833 to report any monuments in danger of disturbance, destruction or removal. All City monuments are to be protected per State Land Surveyors Act and Section 01 71 33 – Protection of Adjacent Construction.
- B. The Contractor shall not disturb, destroy or remove any survey monuments without approval from the County Surveyor. The Contractor shall salvage any monuments removed during construction and deliver these monuments to the Subdivision & Mapping County Surveyor at 1155 Market Street, 3rd Floor, San Francisco.

3.4 SURFACE FACILITIES

- A. The Contractor shall remove as part of the surface facilities, all related subsurface foundations, footings and encasements of removed or salvaged facilities as indicated on the Drawings and as necessary to accommodate the Work, including new foundations, footings and encasements.
- B. For work located within Landmark and/or Conservation Historic Districts, all distinctive

- sidewalk elements (such as brick surfacing, brick gutters, granite curbs, cobblestones, non-standard sidewalk scoring and streetscape elements that appear to be 45 years or older) will be treated as potentially character defining features of their respective historic districts.
- C. Historic materials shall be protected in place, salvaged and re-installed, or replaced in kind to match the character of the existing condition as shown on the plans.
 - D. Contractor shall avoid damaging and protect in place any features described above and shall notify the City Representative of any feature not identified on the plans that is in conflict with the proposed work
 - E. The Contractor shall provide 48 hours notice prior to any delivery of salvaged items.
 - F. Salvaged traffic signs will be delivered to the Municipal Transportation Agency (MTA) Sign Section at 1508 Bancroft Street, San Francisco. Telephone (415) 554-9785. Refer to Section 01 55 26 for Sign Inventory Form submittal requirements.
 - G. Salvaged traffic signals, poles and other related equipment will be delivered to MTA's Traffic Signal Division Shop Yard at 2650 Bayshore Blvd, Daly City, CA 94104, Phone (415) 550-2736.
 - H. Salvaged street lighting equipment specified or shown to be salvaged as City property will be delivered to the Bureau of Light, Heat and Power at 15th and Harrison Streets, San Francisco, Phone (415) 554-0730.
 - I. Salvaged rims, gratings and covers of DPW catch basins, sewer water inlets and manholes will be delivered to the City Yard at 2323 Cesar Chavez Street, San Francisco.
 - J. All facilities to be removed as the Contractor's property will be removed from the site and disposed of in a legal manner.
 - K. The Contractor shall remove debris from the site daily, unless otherwise directed. Refer to Section 01 50 00 – Temporary Facilities and Controls, for maintenance of the site and dust control requirements.
 - L. Granite Curb
 - 1. Granite Curb shall only be replaced with concrete curb on curved sections and as part of the curb ramp construction. Existing granite curb in good condition shall be reset to new grade. If existing granite curb is damaged, contractor shall notify City Representative.
 - 2. In the event granite curb is to be replaced with concrete curb, the Contractor shall remove them from the site as City property. All delivery must be initiated and authorized by City Representative. Only granite curb greater than 4 feet in length will be accepted. The granite curb will be neatly and securely placed on pallets so they can be moved about safely after delivery. The granite curb will be delivered, including off loading, to the Treasure Island Maintenance Yard at 701 14th Street at Avenue I, Treasure Island, or where directed by the City Representative within the City.
 - a. Contact Mike Kelly of the Bureau of Street and Sewer Repair at Mike.Kelly@sfdpw.org.
 - b. Provide a minimum of 48 hour notice for delivery / cancellation via written notification with the following information:
 - Project Name
 - Project Number
 - City Representative Name
 - Contractor Contact Number

Estimated Delivery Quantity

3. The Contractor shall clean the granite curb of dirt, debris, and other construction material and exercise care in transporting the granite curb so as to minimize damage.
4. Salvage, hauling and delivery of existing granite curb to the designated areas from the site will be done as Incidental Work.
 - a. Delivery is to be made between 8am to 3pm, Monday through Friday.
 - b. During delivery, driver is to check in with the Yard Master for designated deliver location.
 - c. Yard Master may reject mix and/or unclean load.
 - d. Additional charges will be incurred for:
 - 1) Cleaning and Sorting, if Yard must double-handle load to sort, clean and stack delivery;
 - 2) Yard Opening and Operation during non-operation hours and unscheduled deliveries.

3.5 SUBSURFACE FACILITIES

- A. If applicable, the Contractor shall remove as part of the surface facilities all related subsurface foundations, footings and encasements of removed or salvaged facilities as indicated on the Drawings and as necessary to accommodate the Work.

B. Cobblestones

1. In the event cobblestones are encountered in any street under construction, the Contractor shall remove them from the site as City property. All delivery must be initiated and authorized by City Representative. The cobblestones will be neatly and securely placed on pallets so they can be moved about safely after delivery. The cobblestones will be delivered, including off loading, to Treasure Island Maintenance Yard at 701 14th Street at Avenue I, Treasure Island, or where directed by the City Representative within the City.
 - a. Contact Mike Kelly of the Bureau of Street and Sewer Repair at Mike.Kelly@sfdpw.org.
 - b. Provide a minimum of 48 hour notice for delivery / cancellation via written notification with the following information:
 - Project Name
 - Project Number
 - City Representative Name
 - Contractor Contact Number
 - Estimated Delivery Quantity
2. The Contractor shall clean the cobblestones of dirt, debris, and other construction material and exercise care in transporting the cobblestones so as to minimize damage.
3. Salvage, hauling and delivery of existing cobblestones to the designated areas from the site will be done as Incidental Work.
 - a. Delivery is to be made between 8am to 3pm, Monday through Friday.
 - b. During delivery, driver is to check in with the Yard Master for designated deliver location.
 - c. Yard Master may reject mix and/or unclean load.
 - d. Additional charges will be incurred for:
 - 1) Cleaning and Sorting, if Yard must double-handle load to sort, clean and stack delivery;
 - 2) Yard Opening and Operation during non-operation hours and unscheduled deliveries.

3.6 PAVEMENT CUTTING

- A. Pavement cutting will be performed in accordance with the requirements of Section 31 23 33 – Trenching and Backfilling and Section 31 23 36 – Excavation and Backfill for Water Work

3.7 DISPOSAL

- A. The Contractor shall dispose of all removed and demolished materials, in a legal manner as the Contractor's property, except for items indicated to be salvaged and delivered to the City.
- B. Excavated materials to be disposed of by the Contractor in a legal manner as the Contractor's property, will include, but are not limited to the following:
 - 1. Asphalt concrete and concrete base roadway pavement, concrete pavement and parking strip, concrete gutter, concrete curb, concrete sidewalk, shrubbery, roots, garbage, extra soil material, and other debris.

END OF SECTION