

5. SCOPE OF WORK/MINIMUM TECHNICAL SPECIFICATIONS

5.1. GENERAL

Due to age of the Copley Park Division (CPD), multiple issues have appeared that require repairs, including the southern fence with vehicle gates, and multiple panels in the driveways. Additionally, there is currently a tree that is causing continual lifting of pedestrian walkway concrete panels creating trip hazards and interfering with a pedestrian exit door on the adjacent building. The tree will need to be removed and the planter partially demoed and replaced with an additional parking space.

5.2. STAGING

Contractor is to keep and store all materials within a predesignated laydown area. It is assumed the laydown area will be within and adjacent to the fence line/driveways, and later, the planter being removed. Size and location of the laydown area is to be coordinated with the MTS Project Manager. All property stored onsite is the responsibility of the contractor and MTS shall not be held liable for any and all equipment, material, tools, etc. All deliveries to the site shall be coordinated through the MTS Project Manager. Only vehicles necessary for that day's controlling activities may be parked onsite adjacent to the work area. Remaining vehicles are to be park on adjacent streets and public parking areas.

5.3. TEMP FACILITIES

Contractor is responsible for providing all necessary temporary facilities including but not limited to power, water, temporary fencing with fabric, K-rails, and any/all best management practices necessary for the duration of the project. Contractor will also be responsible for developing storm water protection plan, as well as obtaining any storm water permits necessary, and maintaining them for the duration of the project. Contractor is responsible for temporary fencing on southern property line during demo and installation of the new fencing to ensure that no buses or other MTS vehicles risk being damaged by the public entering the bus lot. Contractor is responsible for partial closure of sidewalk where necessary and is responsible for obtaining any permits necessary to facilitate closure. Contractor is responsible for providing all their own dumpsters and is responsible for collection and disposal of all generated waste. Contractor is not to utilize any MTS dumpsters.

5.4. SAFETY

Diligent caution must be taken during the undertaking of this work. Due to the 24-hour nature of operations at CPD, extreme caution must be observed while driving on the lot and working at CPD. At the end of each day the entirety of the area being worked on must be surrounded by temporary fencing with fabric surrounding the South fence line wherever there are holes left during the demolition and installation phases of the new fencing. Contractor must be aware of their surroundings at all times and yield the right-of-way to buses.

Max speed on the lot is 10 MPH. Contractor, subcontractors, vendors and supplier are to adhere to the speed limit, stop at all stop signs, and stop at all crosswalks. Failure to do so will result in

MTS not granting any future vehicular access to the CPD property. All contractors, subcontractors, vendors, and suppliers on site must wear hi-vis vests/clothing at all times will on property.

5.5. WASTE

The contractor is responsible for legally disposing of any and all waste in relation to the work. The contractor shall not use any MTS receptacles to dispose of material generated during the performance of this contract. Contractor is responsible for general cleanup at the end of each workday and the Contractor is to perform a final clean to meet the current condition and cleanliness of the on-site paving.

It is assumed that there will be concrete, reinforcing bar, and asphalt that will have to be exported. The Contractor is responsible for any and all costs associated with the removal, permits, hauling, and disposing of the exported concrete, reinforcing bar, and asphalt.

5.6. SUBMITTALS

The contractor shall provide submittals showing product data, details, and necessary information for all items described in the project specifications including but not limited to the following:

- Phasing & Work Plan
- Construction Schedule
- Laydown area plan & impact footprint plan
- Asphaltic concrete mix design
- Concrete mix design for both vehicular panels and fence footings
- Fencing materials including paint- if not factory coated

5.7. DRAWINGS

There are known As-builts for the area where the work is to occur. The applicable as-builts (ATT 3) are included in the bid package as additional attachments. The contractor shall verify all existing site conditions and familiarize themselves with the Contract Documents and existing site conditions.

5.8. SCHEDULE AND SEQUENCING

All base bid work shall be completed within Ninety (90) calendar days from issuance of the Notice to Proceed. MTS is aware of existing supply chain and fabrication delays that may lead to delays in delivery of materials, this lead time is to be included as part of the (90) day basis of construction. As such, contractor is to provide a submittal for the fencing and order materials as soon as possible to help mitigate these lead times as much as possible.

The base bid work consists of two phases. Contractor will provide a work plan and phasing plan for approval prior to the start of any construction. The intent of this phasing plan is to ensure that there will be as minimal site impact as possible in the temporary closure of the driveways in need of repair, and partial closure of the parking lot for the tree/planter removal. The primary phase of this project will consist of demolition and installation of the southern elevation fencing, and driveway concrete repairs. The second phase will include removal of the problem tree, portion of

the surrounding planter, placement of new asphalt or concrete where planter was previously located, and minimal concrete replacement of damaged walkway panels.

5.9. GEOTECHNICAL ENGINEER/ MONITORING

Contractor is to provide MTS project manager 48-hour notice of any potential changes to construction schedule. Due to existing conditions of the site, MTS is required to have off-gas monitoring personnel on the site for the duration of the project. Contractor will not be required to pay for monitoring services but is asked to work as efficiently and expeditiously as possible to help mitigate the added costs that MTS will incur for ongoing monitoring.

5.10. PERMITTING

Contractor is responsible for obtaining and paying for all necessary permits from the County of San Diego, City of San Diego, and any other necessary reporting bodies or authorities having jurisdiction for the portion of the work that encroaches into the City Right-of-Way as well as a traffic control and possibly, storm water permit.

5.11. SCOPE OF WORK

Contractor will be responsible for providing all labor and equipment required to complete the following scope of work:

Contractor will be responsible for full demolition and replacement of approximately 700 LF of existing fence line on southern property line. This includes removal of all panels, posts, and footings. Contractor will also be responsible for full replacement of (3) pedestrian and (4) double swing vehicle gates on the southern fence line. New fence is to match adjacent fencing being tied into. All new fencing is to be the same color, dimensions, style including post size, picket size, post caps, picket top style, and overall picket and post height), and is to be installed in the identical locations of the previous wrought iron fence. All new footings are to utilize 520-C-2500 concrete and shall be installed in accordance with San Diego Regional drawing SDRSD M-6. Contractor is also responsible for any minor grading required to maintain air gap between bottom rail of fence and the dirt below so that the bottom rail of the new fence is not sitting on the dirt. Contractor shall provide temporary fence throughout replacement of the South Fence as to ensure to gaps in the fence exist on any part of the perimeter through demolition and installation. Contractor will be responsible for the disposal of all fencing as well as all concrete footings and other related demolished fence components associated with the original wrought iron fence. Contractor to replace entire southern fence line with no tops or gaps. Only openings in fence should be in the same location as existing vehicle and pedestrian gates and are to receive new vehicle and pedestrian gates in identical size, shape, material, color, and style.

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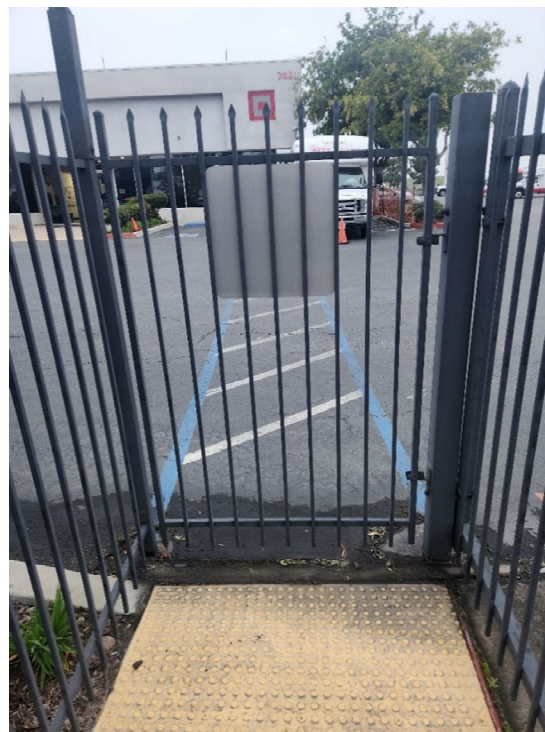
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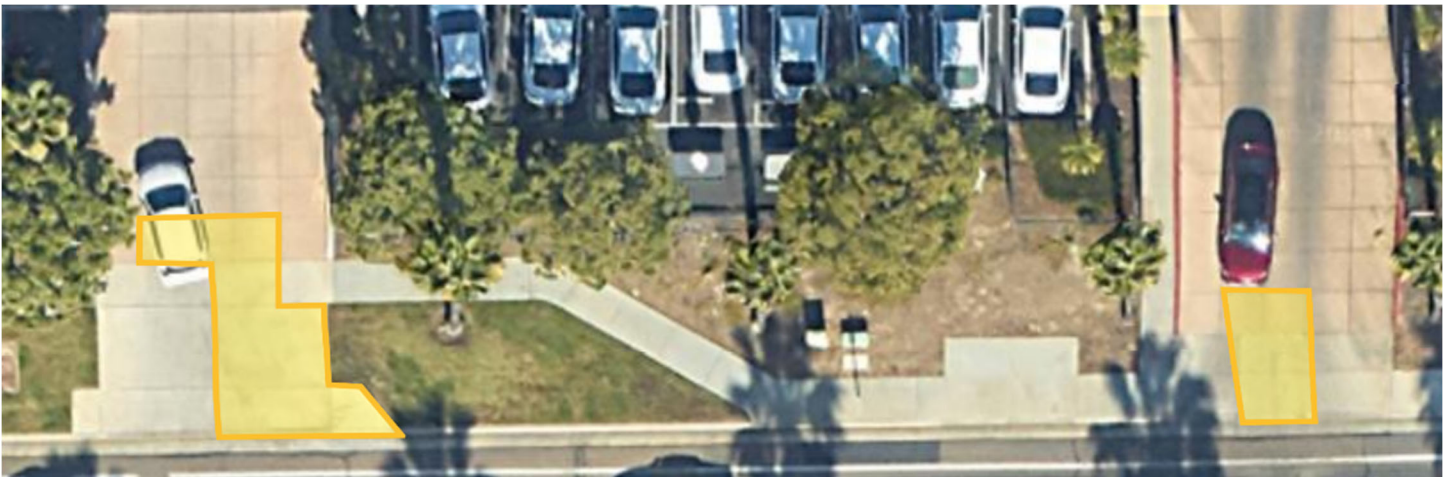
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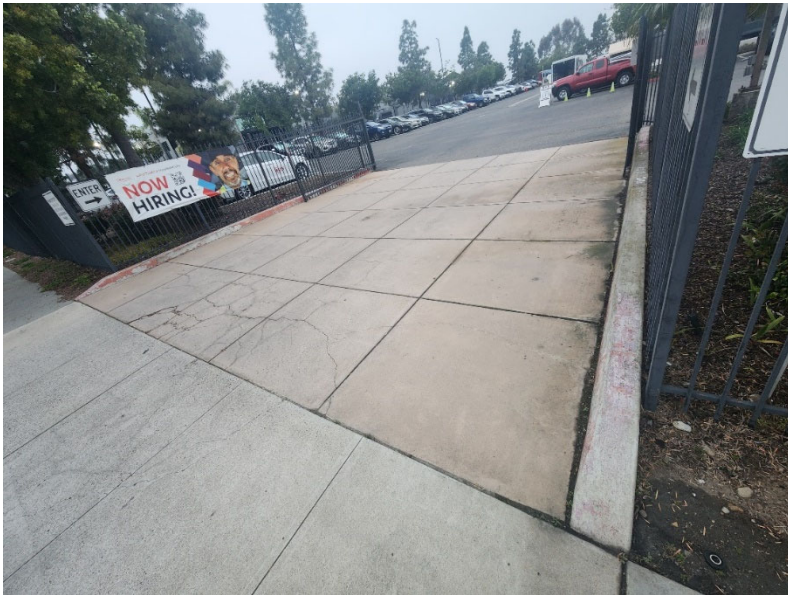
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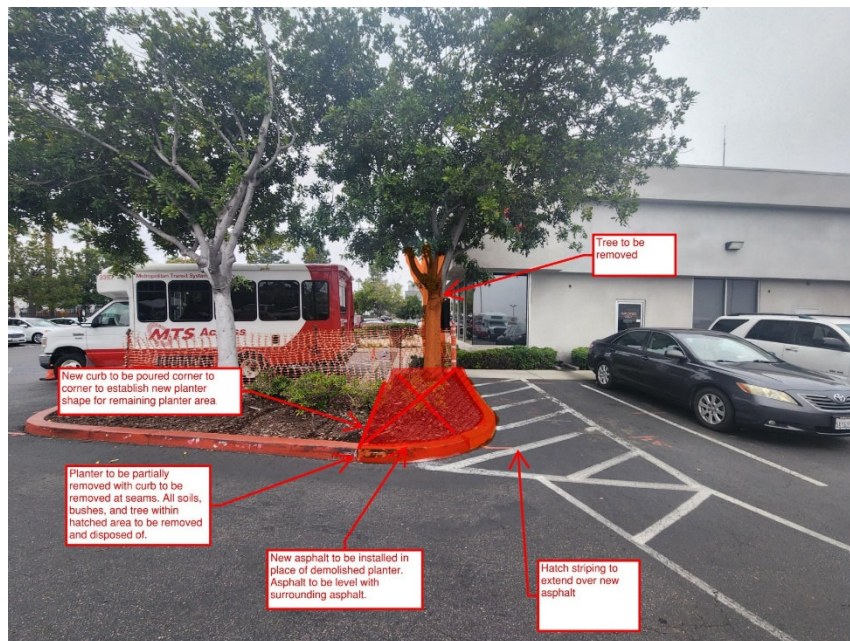
Contractor will be responsible for full removal and replacement of approximately 500 square feet of concrete driveway. Portions of the concrete driveways have begun to sink and fail due to soil movement. Contractor may fully close both driveways concurrently to maintain efficiency. Concrete shall adhere to all standard specifications for vehicular traffic concrete paving. After removal of damaged concrete panels, contractor shall properly prepare the soil and re-grade where necessary to ensure new panels are level with all existing and surrounding panels. Top 12" of soil

is to be compacted to a minimum of 95%. Concrete shall be placed at a minimum thickness of 7.5". Cementitious material shall be in accordance with Section 90-1.02B, "Cementitious Materials", of the Caltrans Standard Specifications. A. Contractor shall prepare the Mix Designs in accordance with Section 40-1.01C(9), "Mix Design", of the Caltrans Standard Specifications. Concrete will have a minimum 3-day compressive strength of 3500 psi and a minimum 5-day flexural strength of 580 psi. Concrete will have a minimum 28-day compressive strength of 6500 psi and a minimum 28-day flexural strength of 625 psi. Contractor shall prepare a mix design for unreinforced concrete pavement with doweled joints. New concrete paving is to be connected to surrounding panels utilizing 24" #4 dowels, drilled 12" into existing surrounding panels, and epoxied in place @12" O.C. Dowel bars shall conform to Section 40-1.02F, "Dowel Bars of the Caltrans Standard Specifications. Dowel bar lubricant shall conform to Section 40-1.02F(1), "dowel Bar Lubricant", of the Caltrans Standard Specifications. Concrete shall be reinforced per Caltrans Standard Specifications 2015 Section 52. Contractor is responsible for full removal and legal disposal of all waste generated throughout duration of project, including concrete removal.





Contractor will be responsible for removal of 1 tree and shrub, approximately 55 LF of curb, removal of soils and preparation of area to receive approximately 160 SQFT of asphalt paving, and replacement of approximately 12 LF of new curb. Contractor is to install new asphalt in area where planter is removed. All new asphalt is to be level with surrounding asphalt. Asphalt is to be 6" of AC over 6" of class 2 base compacted to 95%. New curb is to be 520-C-2500 with profile and dimensions to match adjacent curb. Contractor is to continue existing 4" white hatch striping over new pavement and touch up existing white hatch paint where damaged by removal of curb and planter contents. Contractor is to paint new curb red to match adjacent curbs. All waste associated with the demolition of the plants, soil, and surrounding curb are to be legally disposed of by contractor.



Southern Fence Line. Contractor to replace entire southern fence line with no stops or gaps. Only openings in fence should be in the same location as existing vehicle and pedestrian gates and are to receive new vehicle and pedestrian gates in identical size, shape, material, color, and style.

