

Bid Category: 32-01 SITE CONCRETE

A. INCLUDES:

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements, or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

DIVISION 00
DIVISION 01
01 2300 ALTERNATES (AS APPLICABLE)
03 1000 CONCRETE FORMING AND ACCESSORIES
03 0000 CONCRETE REINFORCING
03 3000 CAST-IN-PLACE CONCRETE
07 2100 THERMAL INSULATION (AS APPLICABLE)
07 9200 JOINT SEALANTS (AS APPLICABLE)
32 1726 TACTILE WARNING SURFACE
32 1313 CONCRETE PAVING
32 1373 CONCRETE PAVING JOINT SEALANTS
32 9219 GRADING (AS APPLICABLE)

B. SPECIFICALLY INCLUDED:

1. Prevailing Wages **ARE REQUIRED** per Spec Section 00 3132 INFORMATION AVAILABLE TO BIDDERS.
2. Include all applicable taxes, duties, and related fees. This project is **NOT TAX EXEMPT** per Spec Section 00 3132 INFORMATION AVAILABLE TO BIDDERS.
3. Bidders shall include a 2-year warranty for all material and labor in addition to all other warranty periods identified in the technical specification sections. If less than a 2-year warranty period is specified, this 2-year warranty shall govern. Bidders shall be responsible for coordinating with vendors and suppliers as well as third-tier subcontractors. Note that ALL warranties begin at the date of substantial completion. Warranties that begin at the date of shipment or any other date are NOT acceptable as referenced in Spec Section 01 700 EXECUTION REQUIREMENTS.

4. All workers on site will be required to submit information for background checks per VBPS Policy 4205 – Hiring and Background Checks & Criminal Background Disclosure Affidavit. Refer to APPENDIX O. All contractors will be responsible for ensuring that employee background check paperwork is submitted timely prior to the start of work. Any employee not satisfying the background check requirement will not be allowed on site per Spec Section 00 2113 INSTRUCTIONS TO BIDDERS.
5. All permits, licenses, road closures, etc. that are necessary for this scope of work shall be included per Spec Section 01 1100 SUMMARY OF WORK. Building permit is by CM.
6. Provide continuous trash removal and clean up required by Spec Section 01 700 EXECUTION REQUIREMENTS. This contractor should include participation in joint clean ups and Construction Waste Management Plan. Refuse containers will be furnished by Construction Manager.
7. Foreman must be onsite whenever trades or sub-trades are performing work, and during final inspections to ensure quality workmanship, safety and schedule compliance. Foreman must be issued a tablet, to access the documents on PROCORE as called out in Spec Section 00 2113 INSTRUCTIONS TO BIDDERS. Access to PROCORE will be granted by the CM.
8. Provide all labor, supervision, tools, equipment, incidental hardware, and materials required to receive, unload, store, protect, and install all work associated with this bid category, including materials furnished by others but designated to be installed under this contract.
9. Provide all surveying, layout, control, and field engineering necessary to complete the work of this bid category. Verify and cross-check all layout against control points, benchmarks, gridlines, and reference surveys established by the CM.
10. Materials testing, special inspections and building envelope commissioning will be conducted by the Owner's selected testing agencies. This bid category shall coordinate inspections, testing, etc. as required with the testing agents/inspectors and the Construction Manager. Coordinate schedules for work to allow all specified testing, special inspections and building envelop commissioning. All costs for additional testing due to failed tests & inspections, including fees and costs incurred by the Architect, Owner, and Owner's Representative shall be paid for by this bid category.
11. Provide all standard and reinforced concrete paving, sidewalks, curbs and gutters, concrete aprons, frost free concrete stoop, frost free concrete stoops with bollards, stoop foundations, concrete apron around light poles and similar site concrete. Include all formwork, chamfer, expansion joints, bond breakers, control joints, sawcutting, bulkheads, dowels, finishing, curing, wire mesh, drilling epoxy and reinforcing steel indicated or required.
12. Verify subgrade, subbase, and prepared surfaces prior to placement of site concrete. Immediately notify the General Contractor of any discrepancies, unsuitable conditions, or conflicts that would inhibit installation of acceptable work.
13. Provide a comprehensive joint layout and control joint diagram for review and approval prior to commencement of concrete placement.

14. Perform independent verification of existing grades and report discrepancies before work begins.
15. Provide all ADA detectable warning pads integral to site concrete.
16. Coordinate installation of snow melt system with Mechanical Contractor. This contractor is responsible to provide the wire mesh, chairs & insulation. Refer to the plumbing & mechanical drawings for location outside the bus wash.
17. Install all exterior bollards as shown provided by 05-01 Misc. Steel Contractor. Coordinate installation of exterior bollards with gutters, underground downspouts and snow melt system.
18. This contractor shall be responsible for providing concrete washout dumpsters as it relates to their scope of work. Contractor of this category shall coordinate the location of washout dumpsters with CM.
19. Trade contractor shall control all silica dust per MIOSHA standards.
20. This contractor is responsible to install the concrete mow strip around the building. Furnish and install all required joints, joint materials, fillers, saw-cutting, backer rod, and joint sealants at the concrete mow strip.
21. This contractor should provide their own excavation and backfill for their own work. Locate all spoils in a designated location for 31-01 Earthwork & Utilities to remove from the site.
22. This contractor is required to provide the footings for the monument sign flood lights and flag pole flood lights as shown on SHEETS SD1.01 & E5.02. Coordinate electrical rough-in requirements with 26-01 Electrical.
23. Form, place and finish all exterior concrete housekeeping and equipment pads. This contractor is required to excavate, backfill and install the generator pad, DTE Transformer pad, ACCU-1 pad, HP-1 & HP-2. Refer to Structural & MEP drawings for locations, sizes, thicknesses and reinforcement requirements. Contractor to include separate mobilizations ahead of site concrete to allow other trades to set their equipment.
24. Furnish and install all required joints, joint materials, fillers, saw-cutting, backer rod, and joint sealants necessary to complete this scope of work in accordance with the Contract Documents and manufacturer requirements.
25. Provide public protection operations as necessary to aid the public in navigating around construction traffic & Haggerty Road. Public protection operations as required include but are not limited to the following:
 - i. Traffic controls
 - ii. Temp striping
 - iii. Temp barricades
 - iv. Signage
 - v. Flagger(s)

C. EXCLUDED:

1. Excludes monument sign footing provided by 03-01 Structural Concrete.
2. Excludes furnishing the exterior pipe bollards by 05-01 Misc. Steel.

3. Exclude all site furnishings, site signage and flag pole foundation concrete by 06-01 General Trades.
4. Exclude all Light pole bases, by 26-01 Electrical.
5. Exclude Asphalt paving by 32-02 Asphalt.
6. Exclude all traffic markings and crosswalk striping by 32-02 Asphalt.
7. Exclude salt storage bin, by Owner.

D. ALLOWANCES:

1. None.

E. REQUIRED ALTERNATES:

2. ALTERNATE No. G-2: Provide expansion paper, backer rod and joint sealants around the bus canopy concrete foundations. Concrete foundations and infill for bollards at the EV Charging Stations. Refer to SHEET C2.10, A1.15 & EPS1.01 ALT.
3. ALTERNATE G-4: Install housekeeping pad & joint sealants for Manual Transfer Switch (MTS-2). Concrete foundations and infill for bollards. Refer to SHEET C2.10 ALT G-2 ELEC. EQUIP. Layout & EPS1.01ALT.

F. UNIT PRICES:

1. Provide Add (\$ / SF) for 5" construction sidewalk.
2. Provide Add (\$ / LF) for additional curb & gutter.

END OF BID CATEGORY 32-01