

**SCHEDULE OF BID ITEMS & MEASUREMENT OF PAYMENT SHEET FOR CONSTRUCTION OF
OAKS STIRWAY & OVERLOOK PROJECT**

FOR

WATERSHED CONSERVATION AUTHORITY
100 N OLD SAN GABRIEL CANYON ROAD
AZUSA, CA 91702

SECTION A - BASE BID ITEM SCHEDULE

BID ITEM	DESCRIPTION OF WORK	UNIT	PAYMENT DESCRIPTION
1	MOBILIZATION / DEMOBILIZATION & FINAL CLEANUP(NOT TO EXCEED 5% OF TOTAL ESTIMATE COST)	LS	Payment shall be full compensation for all costs incurred by the Contractor for doing all the work involved in mobilization as specified herein. The total lump sum cost of the mobilization line item shall not exceed 5% of the Contractor's bid. If the mobilization cost submitted by the Contractor exceeds 5 percent (5%) of the total contract bid amount, it shall not be grounds for determining the bid as non-responsive. The full mobilization amount will be considered eligible for payment under the contract. However, any portion of mobilization costs exceeding 5 percent (5%) will be withheld and paid only upon final acceptance of the work and completion of all contract requirements, including submittals and closeout documentation. When the monthly progress payment estimate of the amount earned, not including the amount earned for mobilization, is 5 percent or more of the contract price, the total amount earned for mobilization shall be 50 percent of the Contract Unit Price for mobilization and said the amount will be included in the said estimate for payment. When the monthly progress payment estimate of the amount earned, not including the amount earned for mobilization, is 50 percent or more of the Contract Price, the total amount earned for mobilization shall be 90 percent of the Contract Unit Price for mobilization, and said amount will be included in said estimate for payment and no additional compensation will be allowed. The total amount for mobilization shall be 100 percent of the contract unit price for mobilization once all demobilization and final cleanup are complete. All mobilizations shall be included in this item. Remobilizations by the Contractor or any Subcontractor due to phasing or scheduling shall be included herein.
2	ENVIRONMENTAL PROTECTION AND SWPPP IMPLEMENTATION AND MAINTENANCE (BMPS, FENCING, SIGNAGE, MONITORING)	LS	Payment shall include, but not be limited to compensation for coverage, development, preparation, filing of the Notice of Intent (NOI) and Notice of Termination (NOT), permit fees, and preparation/ implementation of a Storm Water Pollution Prevention Plan (SWPPP) under General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit, 99-08-DWQ) and shall be included in the contract lump sum bid price for "SWPPP Preparation and Compliance" and shall be full compensation for all costs incurred by the Contractor for performing all the work involved in carrying out the SWPPP with no additional compensation allowed. Payment includes implementation, monitoring, and maintenance of BMPs and the SWPPP provisions on the project during and after work hours including nights, weekends, inclement weather, holidays, and qsp responsibilities described in the contract documents.
3	REGULATORY PERMIT COMPLIANCE	LS	Payment shall include all labor, equipment, materials, coordination, and incidentals to comply will all requirements of the regulatory permits, Regulatory Permitting Handbook, and EIR. The Contractor shall comply with all scheduling, notification, and management requirements.
4	TEMPORARY TRAFFIC CONTROL PLAN (REVISIONS BY CONTRACTOR IF NEEDED)	LS	Payment shall be considered full compensation for furnishing all labor, materials, equipment, permits, incidentals, plan preparation, public notification, and for doing all work involved in placing, removing, storing, maintaining, moving to new locations, replacing, public notification, temporary paving, and disposing of the components of the traffic control system and shall be made based on the percentage of the total contract work completed as of the date of the progress payment, excluding contract change orders, and no additional compensation will be therefore allowed.
5	TRAFFIC CONTROL IMPLEMENTATION, MONITORING, MAINTENANCE AND TEMPORARY FACILITIES – POTABLE CHANGEABLE MESSAGE SIGN, PROJECT INFORMATION CONSTRUCTION SIGNAGE, TRAFFIC SIGNS, BARRIERS, TEMPORARY STRIPING, PAVEMENT MARKINGS, FLAGGING, & PERSONAL	LS	
6	DEVELOP WATER SUPPLY	LS	Payment shall be considered full compensation for furnishing all labor, materials, equipment necessary to establish the project-related water supply, including fees, water trucks, hoses, towers, pumps, and miscellaneous items, and shall be full compensation for all costs incurred by the Contractor for performing all the work involved in the Develop Water Supply measures as specified herein and as directed by the Engineer at no additional cost, and no additional compensation will be therefore allowed.

7	PERMITS AND FEES	FA	Payment shall be made on a force account basis. No markups will be allowed. All incidental costs incurred by the contractor, including the insurance requirements set forth herein, shall be considered as included in the various items of work, and no compensation will be allowed therefor.
8	DEMOLITION AND SITE CLEARING – REMOVE EXISTING RESTROOMS, CRIB WALLS, DEBRIS, AND NON-NATIVE VEGETATION	LS	Payment shall consist of demolition, removal, and disposal of existing structures, materials, and vegetation within the project limits, including the existing restrooms, crib walls, site debris, and non-native vegetation, complete as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Demolition and removal of existing restroom structures, including foundations, slabs, and associated utilities; Removal and off-haul of crib walls, concrete rubble, and other structural debris; Clearing and grubbing of non-native vegetation, brush, and trees as indicated; Selective clearing to protect native plants and features designated for preservation; Removal and proper disposal of debris and unsuitable materials at approved off-site locations; Protection of existing utilities, trees, and improvements designated to remain; Site cleanup, grading, and preparation for new construction. Measurement shall include all demolition, hauling, disposal, clearing, and restoration required by the Contract. No separate measurement will be made for salvage, temporary protection, or debris off-haul. No additional payment will be made for over-excavation, unforeseen debris, or disposal costs unless authorized by change order.
9	GRADING AND EARTHWORK – ROUGH/FINE GRADING, COMPACTION, EXCAVATION, AND FILL PER C-2 THROUGH C-3.04	LS	Payment shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Earthwork, complete in place, as shown on the plans, as specified in the Standard Specifications for Public Works Construction and these Special Provisions, and as directed by the Engineer for this item to be completed-in-place with no additional compensation allowed. The Contractor is required to follow all recommendations per the geotechnical reports.
10	DRAINAGE IMPROVEMENTS – HDPE STORM DRAIN, CATCH BASINS, STEEL GRATE, MEDIA FILTER, AND OUTLET CONCRETE COLLAR IN EXISTING WALL STRUCTURE	LS	Payment shall be considered full compensation for furnishing all labor, materials, tools, equipment, and incidentals, including trenching, dewatering, bedding, backfill, shoring, bracing, installation, compaction and for doing all work involved as specified in the LAFC Standard Specifications, these Technical Specifications, and as directed by the Engineer, and no additional compensation will be therefore allowed.
11	AGGREGATE BASE AND SUBGRADE PREPARATION FOR PAVING AND CONCRETE	LS	Payment shall be considered full compensation for furnishing all labor, materials, equipment, and incidentals necessary to prepare, place, and compact the subgrade and aggregate base for all paving and concrete flatwork areas, in accordance with the Drawings and Specifications, and as directed by the Engineer.
12	ASPHALT PAVING (CHIP SEAL SURFACE) – PARKING LOT AND DRIVE AISLE	SF	Payment shall consist of furnishing all labor, materials, equipment, surface preparation, and incidentals necessary to construct asphalt paving with chip seal surface treatment at the locations and to the thicknesses shown on the Drawings and as specified in the Technical Specifications. No additional payment will be made for rework due to improper compaction, segregation, or failure to meet grade, thickness, or smoothness tolerances.
13	CONCRETE FLAT WORK (EXPOSED AGGREGATE FINISH) WITH MONOLITHIC CURB	SF	Payment shall consist of furnishing all labor, materials, tools, equipment, reinforcement, dowels, joint sealant, formwork, finishing, curing, cleanup and incidentals required to construct concrete flatwork with an exposed aggregate finish for pedestrian paths, ramps, landings, curbs, and other flatwork areas as shown on the Drawings and described in the Specifications and as directed by the Engineer, and no additional compensation will be therefore allowed.
14	CONCRETE WORK – CURBS & GUTTER	LF	Payment shall consist of furnishing all labor, materials, tools, and equipment required to construct cast-in-place concrete curbs, gutters, and accessible ramps, including formwork, reinforcement, finishing, and all appurtenant work as shown on the Drawings and described in the Specifications. Work includes, but is not limited to: Preparation and fine grading of subgrade and aggregate base; Installation of forms, reinforcement, dowels, and joint materials; Placement, consolidation, and finishing of concrete to specified dimensions, grades, and slopes; Construction of curb returns, curb ramps, and transitions in compliance with ADA and CalDAG requirements; Installation of detectable warning surfaces (truncated domes) where shown; Saw cutting, edging, sealing of joints, and curing; Cleaning, protection, and removal of formwork upon completion. No separate measurement will be made for formwork, reinforcement, truncated domes, joint materials, or curing — these costs are included in this item. No additional payment will be made for rework required to meet grades, slopes, or surface finish tolerances.
15	CONCRETE WORK – FLUSHED CURBS WITH EXPOSED AGGREGATE FINISH	LF	
16	CONCRETE WORK – GUTTER	LF	
17	CONCRETE WORK (EXPOSED AGGREGATE FINISH) – PARALLEL CURB RAMPS	SF	
18	CONCRETE WORK (EXPOSED AGGREGATE FINISH) – PERPENDICULAR RAMPS/ENTRY CURB RAMPS	SF	
19	CONCRETE WORK (EXPOSED AGGREGATE FINISH) – STEPS WITH CURB & STAIR WALL (24 STEPS TOTAL)	LF	
20	CONCRETE WORK (EXPOSED AGGREGATE FINISH) –LANDINGS	SF	

21	RIVER ACCESS PATH - EXPOSED AGGREGATE CONCRETE	LF	Payment shall consist of furnishing all labor, materials, tools, equipment, and incidentals necessary to construct stone retaining walls, seat walls, and masonry benches, complete in place, as shown on the Drawings and described in the Specifications. Work includes, but is not limited to: Excavation, backfill, and compaction for wall foundations; Construction of concrete footings or wall bases; Furnishing and installing natural or manufactured stone veneer or full-depth stone units, including mortar, grout, anchors, and reinforcement; Forming and placing concrete or masonry cores for seat walls; Application of joint finishes, tooling, and cleaning of stone surfaces; Installation of capstones or precast coping units; Integration with adjacent pavements, stairs, and landscape features; Back drainage and weep holes where required; Final cleaning and protection of completed work. Measurement shall include the entire structure from foundation to cap, complete with stone facing, coping, drainage, and joint work. No separate measurement will be made for excavation, reinforcement, mortar, or grout. No additional payment will be made for rework required to meet alignment, level, or appearance tolerances.
22	RIVER ACCESS PATH - COMPACTED NATURAL MINERAL SOIL	LF	
23	RIVER ACCESS PATH - CURB EDGE WITH EXPOSED AGGREGATE FINISH & LOCAL STONE PER DETAIL SHEET L-2.51 / L-2.52	LF	
24	STONE BARRIER RETAINING WALL AT BEDROCK – LOCAL STONE PER DETAIL SHEET L-2.51 / L-2.52	LF	
25	STONE BARRIER WALLS AT OVERLOOK –VERTICAL STAMPED CONCRETE	LF	
26	STONE PYLON 'A' – LOCAL STONE PER DETAIL L-2.52 / L-2.53	EA	
27	STONE PYLON 'B' – LOCAL STONE PER DETAIL L-2.52 / L-2.53	EA	
28	MASONRY SEATWALLS – LOCAL STONE PER DETAIL L-2.52 / L-2.53	LF	
29	DECOMPOSED GRANITE SURFACING – OVERLOOK AND ACCESS AREAS	SF	Payment shall consist of furnishing all labor, materials, tools, equipment, and incidentals necessary to construct decomposed granite (DG) surfacing with binder, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Fine grading and preparation of the subgrade and aggregate base; Furnishing, hauling, placing, and compacting decomposed granite in uniform layers to the specified thickness; Incorporating and blending binder material (such as NexPave Binder or approved equal) to achieve a stable, firm, and drainable surface; Moisture conditioning and mechanical compaction to achieve design density and finish; Edging and shaping around adjacent pavements, curbs, and landscape areas; Final trimming, cleanup, and protection of finished surfaces. Measurement shall include the full compacted thickness of the DG layer and binder. No separate measurement will be made for subgrade preparation, edge restraints, or moisture conditioning.
30	BOULDERS - SIZES: 3', 2' & 18"	LS	Payment shall consist of furnishing, transporting, and installing new and salvaged boulders as landscape and structural features, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Salvaging existing on-site boulders during grading or demolition operations, stockpiling, and reinstalling them at new designated locations; Furnishing new natural rock boulders of specified size, type, and color where existing material is insufficient; Loading, hauling, unloading, and placing boulders in a stable, interlocked condition per the details on the Drawings; Partially burying boulders (minimum one-third depth) to achieve a natural appearance; Orientation of exposed faces for visual consistency and stability; Backfilling, compacting, and restoring adjacent grades and surfaces disturbed by installation; Cleaning, removal of debris, and protection of completed work. No separate payment will be made for handling, minor relocation, or adjustment of boulders to achieve required visual or structural alignment. A lump sum allowance of \$25,000 shall be included in the Schedule of Bids for this work. The allowance shall cover all labor, materials, equipment, and incidentals necessary to complete the work as described. Payment for this item will be made based on actual costs incurred, up to the allowance amount, and shall be adjusted in accordance with the Contract provisions for allowances.
31	SALVAGED BOULDERS - WASH BOULDERS & COBBLE AND STOCKPILE FOR REUSE	ALL	

32	CXT TIOGA 11'11" x 14'4" – COMPLETE INSTALL	EA	Payment shall consist of furnishing and installing complete prefab restroom buildings, including all structural, architectural, plumbing, electrical, and site work necessary for a fully functional installation, as shown on the Drawings and described in the Specifications, to the manufacturer's installation instructions. Work includes, but is not limited to: Furnishing and delivering restroom (CXT Tioga prefab restroom, or approved equal) to the project site; Excavation, and subgrade preparation; Connection of utilities, including water, electrical, and waste systems (if applicable), or installation of vault systems per manufacturer's requirements; Installation of all doors, vents, fixtures, partitions, and accessories provided by the manufacturer; Final connection, testing, and commissioning for functional operation; Site restoration, compaction, and cleanup of the surrounding area. Measurement shall include all required excavation, backfill, compaction, and structural support work. No separate measurement will be made for concrete pads, conduits, or testing. No additional payment will be made for rework required due to improper alignment, settlement, or installation not meeting manufacturer tolerances.
33	STEEL RAILING WITH 1 1/2" HANDRAIL	LF	Payment shall consist of furnishing, fabricating, finishing, and installing steel handrail systems, including all posts, rails, fittings, fasteners, and anchors, complete in place as shown on the Drawings and described in the Specifications. Work includes, but is not limited to: Fabrication of steel handrails, guardrails, and balusters to the shapes, dimensions, and profiles indicated; Shop priming, galvanizing, or powder coating (as specified) prior to delivery; Drilling, coring, and anchoring into concrete, masonry, or steel substrates using approved mechanical or epoxy anchors; Field welding, grinding, and touch-up finishing as required for a continuous, smooth appearance; Installation of handrail extensions and end returns per ADA/CalDAG accessibility requirements; Adjustment, alignment, and cleaning of handrails to meet grade and slope tolerances; Protection of adjacent surfaces and restoration of disturbed areas. Measurement shall include posts, fittings, connections, fasteners, and coatings. No separate measurement will be made for bends, returns, or embedded anchorages. No additional payment will be made for rework required to meet dimensional, finish, or alignment tolerances.
34	SHADE TRELLIS STRUCTURES – WEATHERING STEEL FRAMES AND STRUCTURAL FOOTINGS	EA	Payment shall consist of furnishing, fabricating, and installing complete shade trellis structures, including all structural roofing, steel framing, connections, finishes, foundations, and masonry bases, as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Preparation and construction of reinforced concrete foundations or footings; Fabrication of steel or weathering steel structural components, including columns, beams, rafters, and connections; Shop priming, galvanizing, or weathering steel finish per approved submittals; Delivery, erection, alignment, and field welding or bolting of trellis members; Construction of masonry or concrete base elements and integration with adjacent walls or seat structures; Installation of cap plates, fasteners, and hardware; Surface finishing, touch-up painting, and protection of exposed elements; Final adjustment and cleaning for a complete and stable structure. Measurement shall include all work required to deliver a fully assembled and finished trellis system. No separate measurement will be made for anchor bolts, foundations, coatings, or masonry bases. No additional payment will be made for rework due to improper alignment, fit-up, or finish defects.
35	KIOSK STRUCTURE – WEATHERED STEEL WITH STONE BASE AND STRUCTUURAL FOOTINGS PER S-203	EA	Payment shall consist of furnishing, fabricating, and installing complete shade trellis structures, including all structural steel framing, connections, finishes, foundations, and masonry bases, as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Preparation and construction of reinforced concrete foundations or footings; Fabrication of steel or weathering steel structural components, including columns, beams, rafters, and connections; Shop priming, galvanizing, or weathering steel finish per approved submittals; Delivery, erection, alignment, and field welding or bolting of trellis members; Construction of masonry or concrete base elements and integration with adjacent walls or seat structures; Installation of cap plates, fasteners, and hardware; Surface finishing, touch-up painting, and protection of exposed elements; Final adjustment and cleaning for a complete and stable structure. Measurement shall include all work required to deliver a fully assembled and finished trellis system. No separate measurement will be made for anchor bolts, foundations, coatings, or masonry bases. No additional payment will be made for rework due to improper alignment, fit-up, or finish defects.
36	SITE FURNISHINGS – 4 YARD DUMPSTER	EA	Payment shall consist of furnishing and installing site furnishings including benches, tables, bike racks, trash receptacles, and other appurtenant items, complete in place, as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Furnishing all specified site furniture items of the approved type, material, finish, and manufacturer; Verifying locations and elevations in the field prior to installation; Excavation, concrete footings, or embedded anchors as required for secure installation; Assembly,
37	SITE FURNISHINGS – DOUBLE BEAR-PROOF ADA TRASH CAN	EA	

38	SITE FURNISHINGS – BIKE RACK	EA	placement, and alignment of furnishings per manufacturer's instructions; Anchoring to concrete, masonry, or earth surfaces using corrosion-resistant fasteners; Surface protection, finishing, and adjustment for proper function and appearance; Cleaning, removal of packing materials, and protection of completed work. If directed, individual items (such as benches or tables) may be measured by the each (EA). Measurement includes all components, hardware, and foundation work. No additional payment will be made for reinstallation due to misalignment, improper anchoring, or damage during construction.
39	SITE FURNISHINGS – BENCHES	EA	
40	SITE FURNISHINGS – PICNIC TABLE	EA	
41	BOLLARD - IRON RANGER	EA	Payment shall consist of furnishing and installing fixed and removable steel bollards, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Furnishing steel pipe bollards of the specified size, wall thickness, and material (typically Schedule 40 or Schedule 80); Excavation and concrete footing installation to the required depth and alignment; Setting, leveling, and anchoring of bollards in concrete or sleeves as shown on the Drawings; Installation of removable bollard sleeves, locking devices, and covers where required; Field priming, galvanizing, powder coating, or painting per specification; Installation of reflective bands or vinyl wraps (if specified); Backfilling, surface restoration, cleaning, and protection of adjacent work. Measurement shall include all foundations, sleeves, locking mechanisms, and surface finishes. No separate measurement will be made for excavation, concrete, or hardware. No additional payment will be made for rework required to meet alignment, finish, or spacing tolerances.
42	CALPIPE BOLLARD - REMOVABLE	EA	
43	CALPIPE BOLLARD - FIXED	EA	
44	PRE-CAST WHEEL STOP	EA	Payment shall consist of furnishing and installing precast concrete wheel stops, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Furnishing precast reinforced concrete wheel stops of the specified dimensions and profile; Delivery, placement, and alignment of wheel stops at parking spaces per the plans; Anchoring wheel stops with galvanized steel pins, epoxy anchors, or other approved methods per manufacturer's instructions; Drilling or coring of pavement where required for anchor installation; Cleaning and sealing around anchor penetrations to prevent corrosion and water intrusion; Final alignment, adjustment, and protection of finished work. Measurement shall include all anchors, hardware, drilling, and installation work. No separate measurement will be made for drilling, adhesive anchors, or sealants. No additional payment will be made for reinstallation required due to improper alignment, spacing, or anchoring.
45	SIGNAGE – RULES SIGN (24" X 36") - MOUTED ON KIOSK	LS	Payment shall consist of furnishing and installing all metal signage, interpretive panels, and associated supports, complete in place, as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Fabrication and delivery of all metal sign panels, posts, bases, and hardware; Preparation of shop drawings and artwork layouts for Owner review and approval; Printing, etching, or powder-coating of graphic content per approved design submittals; Installation of posts, pedestals, or wall-mounted panels with concrete footings or mechanical anchors as shown on the plans; Alignment, leveling, and orientation of signs for visibility and readability; Surface protection, sealing, and finish coating of exposed metal; Cleaning, removal of protective film, and site restoration after installation. Measurement shall include all mounting hardware, posts, footings, finishes, and protective coatings. No separate measurement will be made for foundations, hardware, or surface treatments. No additional payment will be made for rework due to misalignment, graphic errors, or damage during installation.
	SIGNAGE – NO CAMP FIRES SIGN (24" X 9") - MOUNTED ON KIOSK		
	SIGNAGE – THE EAST FORK SIGN - MOUNTED ON KIOSK		
	SIGNAGE – ANGELES NATIONAL FOREST (BY ANF) - MOUNTED ON KIOSK		
	SIGNAGE – ADA PARKING SIGN AND POST		
	SIGNAGE – PEDESTRIAN WARNING SIGN POST		
	SIGNAGE – ANODIZED ALUMINUM INTERPRETTIVE PANEL WITH WEATHERING STEEL FRAME		
	SIGNAGE – ANODIZED ALUMINUM INTERPRETTIVE PANEL WITH WEATHERING STEEL FRAME		
	SIGNAGE – ANODIZED ALUMINUM INTERPRETTIVE PANEL WITH WEATHERING STEEL FRAME		
	SIGNAGE - INTERPRETIVE METAL CUT-OUTS EMBEDDED INTO PAVING WITH DECORATIVE AGGREGATE		
	SIGNAGE - PROJECT FUNDING SIGN CALIFORNIA WATER BOARDS, RIVERS & MOUNTAIN CONSERVACY, &WATERSHED CONSERVATION AUTHORITY		

46	STRIPING AND PAVEMENT MARKINGS – PARKING SPACES, ADA STALLS AND CROSSWALKS	SF	Payment shall consist of furnishing all labor, materials, tools, equipment, and incidentals necessary to install pavement striping and markings for parking spaces, ADA-accessible stalls, crosswalks, and related traffic markings, complete in place as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Layout and field alignment of all parking space striping, including standard, compact, and accessible stalls; Application of traffic paint markings, including lines, symbols, arrows, lettering, and crosswalks; Installation of ADA striping, symbols, and signage (accessible parking logos, loading zones, and blue boundary markings); Surface cleaning and preparation prior to application to ensure proper paint adhesion; Application of primer or sealer coats where required; Use of approved traffic paints, thermoplastic, or epoxy materials per specification (color, width, thickness, and reflectivity as indicated); Protection and curing of markings until fully dry and traffic-ready; Final cleanup and removal of overspray or layout markings. Measurement includes surface cleaning, layout, and all materials used. No additional payment will be made for re-striping due to improper layout, paint bleeding, or failure to meet color and reflectivity requirements.
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SECTION B - ALTERNATIVE BID ITEM SCHEDULE

ALT BID ITEM	DESCRIPTION OF WORK	UNIT	PAYMENT DESCRIPTION
A1	ASPHALT PAVING (CHIP SEAL SURFACE) – PARKING LOT AND DRIVE AISLE	LS	Payment shall consist a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to subgrade preparation and fine grading, furnishing and placing aggregate base (if required), application of prime or tack coat, furnishing and applying asphalt binder, placement and rolling of chip seal aggregate, brooming and removal of excess materials, traffic control, protection of adjacent improvements, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.
A2	CONCRETE FLAT WORK (EXPOSED AGGREGATE FINISH) WITH MONOLITHIC CURB	LS	Payment shall consist of a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to subgrade preparation and fine grading, furnishing and placing aggregate base (if required), forming, reinforcing, placement and finishing of concrete flatwork with exposed aggregate finish, integral construction of monolithic curb, curing, jointing, sealing, protection of adjacent improvements, traffic control, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.
A3	CONCRETE WORK – GUTTER	LS	Payment shall consist of furnishing all labor, materials, tools, and equipment required to construct cast-in-place concrete curbs, gutters, and accessible ramps, including formwork, reinforcement, finishing, and all appurtenant work as shown on the Drawings and described in the Specifications. Work includes, but is not limited to: Preparation and fine grading of subgrade and aggregate base; Installation of forms, reinforcement, dowels, and joint materials; Placement, consolidation, and finishing of concrete to specified dimensions, grades, and slopes; Construction of curb returns, curb ramps, and transitions in compliance with ADA and CalDAG requirements; Installation of detectable warning surfaces (truncated domes) where shown; Saw cutting, edging, sealing of joints, and curing; Cleaning, protection, and removal of formwork upon completion. No separate measurement will be made for formwork, reinforcement, truncated domes, joint materials, or curing — these costs are included in this item. No additional payment will be made for rework required to meet grades, slopes, or surface finish tolerances.
A4	MASONRY SEATWALLS – LOCAL STONE PER DETAIL L-2.52 / L-2.53 AND	LF	Payment shall consist of a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to excavation and subgrade preparation, concrete footings and foundations, reinforcing steel, furnishing and installing local stone masonry, mortar, setting, alignment, and finishing, installation of cap stones (if required), backfilling and compaction, integration with adjacent improvements, protection of completed work, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.

A5	SHADE TRELLIS STRUCTURES – WEATHERING STEEL FRAMES AND STRUCTURAL FOOTINGS	LS	Payment shall consist of a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to layout, excavation, forming and placement of concrete footings and foundations, reinforcing steel, furnishing, fabrication, delivery, and installation of weathering steel structural frames, connections and anchorage, shop drawings (if required), coatings or treatments (if specified), coordination with adjacent improvements, protection of completed work, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.
A6	PREFAB SHADE TRELLIS STRUCTURES - POLYGON:18' x 36' MONOSLOPE – COMPLETE INSTALL	LS	Payment shall consist of furnishing, fabricating, and installing complete prefabricated shade trellis structures, including all structural roofing, steel framing, connections, finishes, foundations, and masonry bases, as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Preparation and construction of reinforced concrete foundations or footings; Fabrication of steel or weathering steel structural components, including columns, beams, rafters, and connections; Shop priming, galvanizing, or weathering steel finish per approved submittals; Delivery, erection, alignment, and field welding or bolting of trellis members; Construction of masonry or concrete base elements and integration with adjacent walls or seat structures; Installation of cap plates, fasteners, and hardware; Surface finishing, touch-up painting, and protection of exposed elements; Final adjustment and cleaning for a complete and stable structure. Measurement shall include all work required to deliver a fully assembled and finished trellis system. No separate measurement will be made for anchor bolts, foundations, coatings, or masonry bases. No additional payment will be made for rework due to improper alignment, fit-up, or finish defects.
A7	SITE FURNISHINGS – TWO (2) PICNIC TABLE UNDER ALT BID SHADE STRUCTURE	LS	Payment shall consist of a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to procurement, delivery, assembly, anchoring or surface mounting of picnic tables, coordination with the shade structure installation, protection of adjacent improvements, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.
A8	STRIPING AND PAVEMENT MARKINGS – PARKING SPACES, ADA STALLS AND CROSSWALKS	LS	Payment shall consist a lump sum price bid for this Additive Alternate item and shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work as shown on the Drawings and specified in the Technical Specifications, including but not limited to layout, surface preparation and cleaning, furnishing and application of paint or thermoplastic striping, ADA symbols and markings, crosswalk striping, curb markings (if required), protection of markings during curing, traffic control, and final cleanup; no separate payment will be made for any incidental or subsidiary work, and this item will be paid only if the Alternate is accepted by the Owner at the time of award.
A9	PLANTING AND WATER TRUCK IRRIGATION – NATIVE HILLSIDE RESTORATION AND OVERLOOK PLANTING & 60-DAY ESTABLISHMENT	LS	Payment shall consist of furnishing and installing all native plant materials and providing water truck irrigation for the establishment of the native hillside restoration and overlook planting areas, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes, but is not limited to: Preparation of planting areas, including soil scarification, minor grading, and removal of rocks, weeds, and debris; Furnishing, transporting, and installing native container plants and hydroseed mix per the approved plant list and locations; Amendment and conditioning of soils as required by the specifications; Installation of plant protection devices, such as tree tubes, stakes, or wire cages; Water truck irrigation, including furnishing water, hoses, and equipment, and applying water at the rate and frequency necessary for establishment; Maintenance and replacement of plants damaged or lost prior to final acceptance; Erosion control and slope stabilization measures within planting zones; Cleanup and restoration of disturbed areas following completion. Measurement shall include all soil preparation, planting, water truck irrigation, and maintenance work through the establishment period. No separate measurement will be made for temporary watering, mulch, or plant protection devices. No additional payment will be made for replanting required due to inadequate watering, vandalism, or plant loss prior to acceptance. This item will be paid only if the Alternate is accepted by the Owner at the time of award.

A10	ESTABLISHMENT AND MAINTENANCE PERIOD – 24 MONTH MAINTENANCE	LS	Payment shall consist of providing all labor, materials, equipment, water, and supervision necessary to maintain and establish native plantings for a 60-day establishment period followed by a 24-month maintenance period, complete in accordance with the Drawings and Technical Specifications. The work includes, but is not limited to: Initial establishment care immediately following planting, including supplemental watering, weeding, and replacement of failed plants; Ongoing irrigation via water truck or portable system, sufficient to maintain healthy plant growth and root establishment; Regular inspection and maintenance of planted areas, including removal of invasive species and replacement of any dead or declining plants; Repair or replacement of erosion control materials, mulch, or plant protection devices as needed; Soil moisture monitoring and adjustment of watering frequency per season; Maintenance of slope stability and drainage control within planted areas; Final inspection and acceptance at the end of the maintenance period upon demonstration of healthy, self-sustaining vegetation. Measurement shall include all labor, equipment, water, materials, and replacement planting necessary for full compliance. No separate measurement will be made for individual site visits or replanting efforts. Partial payments may be made monthly during the maintenance period, based on satisfactory performance and approved progress by the Owner or Engineer.
A11	SOIL AMENDMENT/ PLANTING PREP	LS	Payment shall consist of performing all soil preparation and amendment work required to support native planting and restoration areas, complete in place as shown on the Drawings and described in the Technical Specifications. Work includes, but is not limited to: Clearing and scarifying existing soil surfaces to the specified depth; Incorporating approved soil amendments (compost, mulch, mycorrhizal inoculants, or other organic materials) at the specified application rate; Tillage, disking, or rototilling to achieve uniform mixing and loosen compacted soils; Fine grading and contouring of planting areas to achieve positive drainage and natural appearance; Removal of debris, rocks, and weeds from the planting areas; Testing of soil samples for pH, organic content, and texture if required; Spreading and raking of mulch or top dressing to protect prepared soil prior to planting; Protection of adjacent finished areas during preparation operations. Measurement shall include all amendment materials, labor, and equipment necessary for proper soil preparation. No separate measurement will be made for tillage, cleanup, or temporary protection. No additional payment will be made for re-working areas due to contamination, poor mixing, or erosion prior to planting. This item will be paid only if the Alternate is accepted by the Owner at the time of award.
A12	5 GALLON CONTAINER PLANT	LS	Payment shall consist of furnishing and installing 5-gallon container plants, complete in place, as shown on the Drawings and specified in the Technical Specifications. Work includes: Furnishing nursery-grown plants of the specified species, container size, and condition; Excavating planting holes to the proper depth and diameter; Backfilling with amended soil mix, watering-in, and proper compaction; Installation of plant protection devices (stakes, tree tubes, or wire guards, if required); Initial watering and cleanup of planting area; Replacement of damaged or rejected plants prior to acceptance. Payment shall be made at the contract unit price per each (EA), which includes all labor, materials, equipment, planting, soil backfill, watering, protection devices, and cleanup.
A13	1 GALLON CONTAINER PLANT	LS	Payment shall consist of furnishing and installing 1-gallon container plants, complete in place as shown on the Drawings and specified in the Technical Specifications. Work includes: Handling and placement of 1-gallon native plants; Excavating planting holes, backfilling, and watering-in; Installing plant protection where required; Cleanup, inspection, and replacement of damaged plants before acceptance. Payment shall be made at the contract unit price per each (EA), which includes all labor, materials, equipment, soil amendments, planting, watering, and protection. This item will be paid only if the Alternate is accepted by the Owner at the time of award.
A14	HYDROSEEDING	LS	This item shall consist of furnishing and applying hydroseed, including seed, fertilizer, mulch, tackifier, and water, to establish native vegetation on designated slopes and disturbed areas, complete as shown on the Drawings and specified in the Technical Specifications. Work includes: Soil surface preparation prior to hydroseeding; Mixing and applying the hydroseed slurry with approved seed mix, mulch, binder, and soil amendments; Watering and maintenance through establishment; Protection of seeded areas from traffic, erosion, and overspray; Reapplication in patch areas as needed to achieve coverage. Payment shall be made at the contract unit price per square foot (SF) or acre (AC), which includes all materials, mixing, application, watering, and protection until acceptance. This item will be paid only if the Alternate is accepted by the Owner at the time of award.

A15	STONE BARRIER WALLS AT OVERLOOK – LOCAL STONE PER DETAIL SHEET L-2.52 / L-2.53 -	LS	Payment shall consist of furnishing all labor, materials, tools, equipment, and incidentals necessary to construct stone walls, complete in place, as shown on the Drawings and described in the Specifications. Work includes, but is not limited to: Excavation, backfill, and compaction for wall foundations; Construction of concrete footings or wall bases; Furnishing and installing natural or manufactured stone veneer or full-depth stone units, including mortar, grout, anchors, and reinforcement; Forming and placing concrete or masonry cores for barrier walls; Application of joint finishes, tooling, and cleaning of stone surfaces; Installation of capstones or precast coping units; Integration with adjacent pavements, stairs, and landscape features; Back drainage and weep holes where required; Final cleaning and protection of completed work. Measurement shall include the entire structure from foundation to cap, complete with stone facing, coping, drainage, and joint work. No separate measurement will be made for excavation, reinforcement, mortar, or grout. No additional payment will be made for rework required to meet alignment, level, or appearance tolerances. Natural stone barrier walls at overlook in lieu of base item 25 (Vertical Stamped Concrete) if the Owner accepts A15, Base Bid Item 25 is deleted from the contract
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