

SAND SPRINGS PARK ROAD TRAIL  
BASE BID  
SJ#28844(04)

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	28844(04)			
DESCRIPTION				REVISIONS	DATE
Spec 220 moved to the construction block from roadway					8-14-17

0100 PAY QUANTITIES - ROADWAY

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
201(B)	0181	SELECTIVE CLEARING	2, 23	LS	1
202(A)	0183	UNCLASSIFIED EXCAVATION	3, 42	CY	200
202(D)	0184	UNCLASSIFIED BORROW	3, 19	CY	200
202(H)	0185	EARTHWORK	4, 5, 6, 7, 42	LSUM	1
221(C)	2801	TEMPORARY SILT FENCE	8, 9, 10	LF	5005
221(K)	0600	TEMPORARY FIBER LOG	8, 9, 10	LF	100
230(A)	2806	SOLID SLAB SODDING	11, 12, 48, R-7, R-9	SY	5785
231(E)	4625	(PL) LANDSCAPING	35, 43	LSUM	1
303(A)	2100	(PL) AGGREGATE BASE TYPE A	F-13, 44	CY	1098
307(J)	4290	MODIFIED SUBGRADE	6, 13	SY	267
310(B)	0149	SUBGRADE, METHOD B	14, TP-1	SY	6320
411(I)	6310	SUPERPAVE, TYPE S4 (PATCH) (PG64-22OK)	53	TON	10
501(G)	6315	CLSM - BACKFILL	15	CY	55
509(B)	0321	CLASS 'A' CONCRETE	16, 17, 28	CY	4.65
510(A)	6333	RETAINING WALL	5, 24, 25, 35	SY	71
510(C)	6134	SLOPE WALL (4")	26	SY	52
609(A)	0300	CONCRETE CURB (6" BARRIER-INTEGRAL)	21	LF	538
610(A)	0602	4" CONCRETE SIDEWALK	16, 17, 18, TP-1	SY	5173
610(A)	0605	6" CONCRETE SIDEWALK	16, 17, 18, 20, TR-1, TP-1	SY	220
610(A)	0654	6" DECORATIVE CONCRETE SIDEWALK	16, 17, 18, 29, TP-1	SY	22
610(C)	5824	DECORATIVE MEDIAN CONCRETE	16, 17, 18, 52	SY	4
612(A)	0641	MANHOLES ADJUST TO GRADE	30, 31	EA	4
612(E)	0647	VALVE BOXES ADJUST TO GRADE	32	EA	2
612(F)	0648	METER BOXES ADJUST TO GRADE	32	EA	2
619(A)	0920	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	33, R-49, R-50	LS	1
619(B)	4792	REMOVAL OF SIDEWALK	22, R-49, R-50	SY	224
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	22, R-49, R-50	SY	314
619(B)	4791	REMOVAL OF CURB	22, R-49, R-50	LF	371
619(B)	5881	REMOVAL OF CONCRETE DITCH LINER	22, R-49, R-50	LF	22
619(B)	4741	REMOVAL OF DRAINAGE INLETS	22, R-49, R-50	EA	1
619(B)	4778	REMOVAL OF EXISTING STRUCTURES	22, R-49, R-50	EA	2
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	22, R-49, R-50	SY	566
619(B)	4821	REMOVAL OF CONCRETE SLOPE PROTECTION	22, R-49, R-50	SY	222
622(A)	4445	2" PIPE RAILING	40	LF	63
624	4100	(PL) ORNAMENTAL FENCE	41	LF	20
631(A)	0210	(SP) REMOVABLE BOLLARD	1	EA	3

0300 PAY QUANTITIES - TRAFFIC

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
805(D)	8752	(PL) REMOVE AND RESET JUNCTION BOX	46, 47	EA	1
805(D)	8756	(PL) REMOVE AND RESET EXISTING SIGNS	47	EA	4
850(A)	8110	SHEET ALUMINUM SIGNS	34, C-60	SF	109
851(C)	8327	2-1/4" SQUARE TUBE POST	34, C-60, C-61, TS-33, C-69	LF	260
856(A)	8530	TRAFFIC STRIPE (MULTI-POLYMER) (4" WIDE)	37, 38, TS-24	LF	1630
856(A)	8540	TRAFFIC STRIPE (MULTI-POLYMER) (8" WIDE)	37, 38, TS-26	LF	160
856(A)	8555	TRAFFIC STRIPE (MULTI-POLYMER) (24" WIDE)	37, 38, TS-28	LF	274
857(F)	8006	PAVEMENT MARKING, REMOVAL (TRAF. STRIPE)	39, TS-32	LF	249
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	TC-25, C-52, C-54	LS	1

0640 PAY QUANTITIES - CONSTRUCTION

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	51	LSUM	1
641	1552	MOBILIZATION		LS	1
642(B)	0096	CONSTRUCTION STAKING LEVEL II	27	LS	1

ADDITIVE ALTERNATE #1  
REST AREA (STA. 11+66.90 - 11+86.90)

0101 PAY QUANTITIES - ROADWAY

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
510(E)	0100	DECORATIVE WALL	5, 24, 35, 49	LF	36
230(A)	2806	SOLID SLAB SODDING	12, 48, 50, R-7, R-9, R-13	SY	28
303(A)	2100	(PL) AGGREGATE BASE TYPE A	F-13	CY	3
610(A)	0602	4" CONCRETE SIDEWALK	16, 17, 18, TP-1	SY	18

ADDITIVE ALTERNATE #2  
REST AREA (STA. 43+74.56 - 43+94.56)

0102 PAY QUANTITIES - ROADWAY

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
510(E)	0100	DECORATIVE WALL	5, 24, 35, 49	LF	36
230(A)	2806	SOLID SLAB SODDING	12, 48, 50, R-7, R-9, R-13	SY	28
303(A)	2100	(PL) AGGREGATE BASE TYPE A	F-13	CY	3
610(A)	0602	4" CONCRETE SIDEWALK	16, 17, 18, TP-1	SY	18

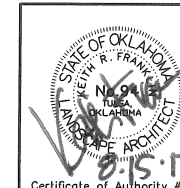
TRAIL PAY QUANTITY NOTES

- Removable Bollard: Unit Price Bid shall include all materials, labor and incidentals to construct bollard as shown in the plans and details. Method of measurement is per each bollard complete in place. Lock for removable bollard shall be supplied by Owner. Contractor shall coordinate the timing of bollard installation with the Owner.
- Selective Clearing: Remove each tree marked for removal as shown in the demo plans. Areas beyond cut/fill catch lines as shown on the Plan and Profile sheets shall not be selectively cleared unless approved by the Engineer. All trees marked to be removed on plan sheets must be tagged and approved by the Landscape Architect or the City of Sand Springs prior to removal. Remove all debris and trash piles, dead vegetation, undergrowth and stumps as a result of the tree removal operation. Disturbed area within the cut/fill catchlines shall be graded smooth. Resulting holes and low areas shall be filled with material approved by the engineer and compacted to 95% SPD. Finished grades shall allow for positive drainage away from trail surface.  
All work described herein shall be performed in a such a way that when complete, the designated areas shall be in a park-like condition that can be maintained economically. All remaining trees shall be protected from damage that may result from construction activities. Branches on all remaining existing deciduous trees shall be pruned above the trail surface to provide a minimum of 13' clearance for the entire length of the proposed trail for asphalt and concrete operations and machinery.
- Quantity is provided for contingency purposes only and is to be used for undercutting of unstable subgrade as approved and directed by Engineer. Quantity will vary depending on existing conditions encountered during construction. Unit Price Bid shall include cost of soil proctor testing for unclassified borrow prior to placing borrow on project site.
- Estimated raw earthwork quantities for the Sand Springs Park Road Trail and associated construction are based on cross-sections shown in the plans and are as follows: 1050 cy of cut and 553 cy fill for the base bid. Excess cut volumes of soil material generated by earthwork operations can be utilized for borrow as approved by Engineer to establish proposed grades for the trail. The finished ground shall be left in a parklike and maintainable condition. Refer to the cut and fill catchlines shown on the plan and profile sheets for the extent of disturbance.
- Includes cost for all necessary excavation, borrow, and compaction to achieve subgrade elevations as shown on the plans, sections and construction details. The Engineer will not measure additional volumes of excavation resulting from slips, slides, cave-ins, silting, or filling due to the action of the elements or carelessness that is the responsibility of the contractor. Water will not be classified as excavated material. Disposal of excess excavated material shall be considered incidental to excavation and will not be measured or paid for separately.
- Damage to existing utilities as a result of construction shall be repaired or replaced at the expense of the Contractor. All utilities shall be located and marked in all areas of excavation and earthwork operations.
- Earthwork pay item includes 265CY topsoil for the placement of sod. Unit Price Bid shall be full compensation for furnishing all materials, equipment, labor and incidentals to salvage, transport, stockpile and otherwise handle the materials as shown on the plans and meet the requirements of Section 205 in the ODOT Standard Specifications. Topsoil shall be placed at 2" depth in all areas requiring the establishment of sod. All areas receiving topsoil shall be fine graded and smooth prior to placement of sod.
- The Engineer shall include erosion control measures for trail construction on the demo plan sheets included in the plan set. Fencing quantity is estimated and will be placed as directed by the Engineer. All silt fence and fiber logs shall be removed by the contractor at a time specified by the Engineer. No earthwork shall take place prior to the installation of all erosion control devices.
- Unit Price Bid shall be full compensation for furnishing all materials, equipment, labor & incidentals for installation, maintenance and removal of silt fence or fiber logs along with the dressing of the disturbed areas after removal has taken place. Disposal of excess silt and soil material in silt fence locations shall be considered incidental to the cost of the item.
- Includes the cost of temporary sediment removal in accordance with ODOT Section 226 of the Standard Specifications.
- Total area for solid slab sodding shall be 5,259 SY in graded areas within the cut/fill catchlines along the Sand Springs Park Road Trail. Total quantity includes an additional 526 SY to be used at the discretion of the Engineer. Contractor will provide U3 bermuda sod or equivalent for placement in all disturbed areas within the cut/fill catchlines. All other disturbed areas outside the cut/fill catchlines shall be returned to their original condition at Contractor's expense.

TRAIL PAY QUANTITY NOTES

- Contractor shall refer to the sod specifications in section 02930 of the project manual for supplemental information on sod installation. Unit price bid includes all watering and fertilizer application as shown in the summary of surfaces.
- Unit Price Bid shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified. Includes undercutting of unstable soils to a depth of 8" below the finished subgrade level and tracking surge stone (crushed stone with particle size ranging from 3"-6") into the unstable soils with a bulldozer until a stable and firm platform is achieved with surge stone protruding from the ground surface. Following tracking of surge stone, type "a" aggregate base shall be placed to achieve a uniform finished subgrade elevation. Unit Price Bid shall include the cost of all materials, equipment, labor and incidentals to complete the work.
- Unit price shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified. Includes all provisions of ODOT Section 310 - Subgrade Method B. Quantities associated with Subgrade Method B are not included in the earthwork pay item. Scarify or process the subgrade to create uniform moisture to a depth of 8". Compact the top 8" uniformly to a maximum density of at least 95% SPD.
- Quantity is estimated for contingency purposes and to be used for backfill as directed and approved by the Engineer only. The Department will not pay for excess concrete when the Contractor omits footing backforms and fills the excavation with concrete.
- No allowance will be made for clips, wire, separators, wire chairs, and other material used in fastening the reinforcement in place. If bars are substituted upon the Contractor's request and as a result more steel is used than specified, only the amount specified will be included for payment. Additional steel required for splices that are not shown on the contract drawings will not be included for payment.
- Reinforcing steel, expansion joint material, joint sealant, contraction joints and all other related miscellaneous items as shown in the details will not be paid for separately, but the cost thereof shall be included in the unit price bid for this item. Refer to details and construction notes for supplemental information on concrete construction.
- The work shall consist of furnishing and placing concrete conforming to specifications as shown on the plans in close conformity with the lines, grades, and typical sections shown. The construction must comply with all applicable regulations and codes including, but not limited to the Americans with Disabilities Act. The concrete shall have a uniform finish (surface, joints, and color - if applicable) throughout the project. Methods of construction not providing a uniform surface shall be ceased immediately, and construction may resume only upon correction and the approval of the Engineer.
- Quantity is estimated for contingency purposes and to be used for backfill as directed and approved by the Engineer only. This item shall only be utilized if the excess cut material generated by trail earthwork is not suitable for fill material.
- All concrete, tactile warning devices, curb returns and items associated with trail ramp construction as shown in the details shall not be paid for separately but included in the cost for 610(A) - 6" Concrete Sidewalk.
- Price bid shall include all materials, equipment, labor & incidentals required to complete the work as shown in the plans and details. Associated items listed on drawings and not included as a separate pay quantity shall be considered incidental and the cost shall be included in the price bid for this item. Refer to ODOT detail ASCD-4 and CSCD-4 for construction of integral curb (6" barrier). Includes cost for all necessary excavation, borrow, and compaction to achieve subgrade elevations as shown on the plans, sections and construction details.
- Unit price includes the cost of full-depth saw-cutting. Removal of aggregate base associated with the existing paving shall be considered incidental and included in the unit price bid.
- Resulting holes and low areas shall be filled with material approved by the engineer. Finished grades shall allow for positive drainage away from removal area. Includes all incidentals.
- Items used in wall construction including, but not limited to, excavation, backfill, backfill material, concrete, wall footing, reinforcing steel, form liners, perforated and non-perforated pipe underdrain, geocomposites, filter fabric, pipe underdrain cover material, concrete surface finish, joint filler and sealant, wall veneer and cap (where applicable), outlet lateral headwall and sheeting and shoring, will not be measured as separate items for payment. Include the cost of these items in the unit price bid for wall construction. Includes the cost of installation of (3) size III concrete pull boxes and 243LF 1 1/2" sched. 40 PVC conduit behind the bridge wall. Refer to standards CCD1-1 and PBD1-1 (latest versions) for installation information.

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City of Sand Springs - Park Road Trail

PREPARED BY:  
LANDPLAN CONSULTANTS  
1110 Stout Street  
TULSA, OK 74107  
918-581-6664

Design	JM	8/16
Drawn	JM/BB	9/16
Checked	KF/JM	6/17
Approved		
Squad	LPCI	

PAY QUANTITIES AND NOTES

State Job No. 28844 (04)

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