

OSAGE PRAIRIE TRAIL EXTENSION

SJ#28839(04); STP-157E(189)EH Δ

0100 PAY QUANTITIES - ROADWAY

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
202(A)	0183	UNCLASSIFIED EXCAVATION	3, 42	CY	200
202(H)	0185	EARTHWORK	2, 4, 5, 6, 7, 19, 21, 42	LSUM	1
221(C)	2801	TEMPORARY SILT FENCE	8, 9, 10	LF	1707
221(K)	0600	TEMPORARY FIBER LOG	8, 9, 10	LF	100
230(A)	2806	SOLID SLAB SODDING	11, 12, R-9, R-13	SY	329
241	2832	MOWING	26	AC	1.000
303(A)	2100	(PL) AGGREGATE BASE TYPE A	24, 44, 46, F-13	CY	839
307(J)	4290	MODIFIED SUBGRADE	6, 13	SY	266
310(B)	0149	SUBGRADE, METHOD B	14, TP-1	SY	12215
411(C)	5960	SUPERPAVE TYPE S4 (PG 64-22 OK)	15, R-30, R-32	TON	1708
610(A)	0605	6" CONCRETE SIDEWALK	16, 17, 18, 20, TR-1, TP-1	SY	14
631(A)	0210	(SP) REMOVABLE BOLLARD	1	EA	1

0300 PAY QUANTITIES - TRAFFIC

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
802(B)	8338	1 1/2" PVC SCH.40 PLASTIC CONDUIT TRENCHED	6, 28, TP-1, TL-3, TL-7	LF	575
803(A)	8067	PULL BOX SIZE III	38	EA	4
804(A)	2915	STRUCTURAL CONCRETE	6, 29	CY	2
804(B)	2916	REINFORCING STEEL	29	LB	137
809	8090	ENHANCEMENT LIGHTING (COMPLETE)	31, 32, 33, 40, 45	EA	5
811	8040	1/2" NO.6 ELECTRICAL CONDUCTOR	31, 32, 33, 45	LF	1725
824(C)	6551	(SP) CABINET	31, 32, 33, 41	EA	1
850(A)	8110	SHEET ALUMINUM SIGNS	34, C-60	SF	41
850(D)	8120	SPECIAL SIGNS	34, 35	SF	16
850(D)	8121	SPECIAL SIGNS	34, 35	EA	3
851(C)	8324	2" SQUARE TUBE POST	34, C-60, C-61, TS-33, C-69	LF	184
856(A)	8530	TRAFFIC STRIPE (MULTI-POLYMER) (4" WIDE)	37, TS-24	LF	2288
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	TC-25	LS	1

0600 PAY QUANTITIES - STAKING

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
642(B)	0096	CONSTRUCTION STAKING LEVEL II	27	LS	1

0640 PAY QUANTITIES - CONSTRUCTION

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	47	LSUM	1
641	1552	MOBILIZATION		LS	1

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.
- Remove all debris and trash piles, dead vegetation, undergrowth and resulting stumps from the disturbed area within the cut/fill catchlines. Resulting holes and low areas shall be filled with material approved by the engineer. Finished grades shall allow for positive drainage away from trail surface. All work described herein shall be performed in a such way that when complete, the designated areas shall be in a park-like condition that can be maintained economically. Branches on all existing deciduous trees shall be pruned as necessary 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. The work described in this paynote shall not be paid for separately, but included in the cost of earthwork.
- Quantity is estimated for contingency purposes and to be used for undercutting of unstable subgrade as approved and directed by Engineer only. 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 Osage Prairie Trail Extension and associated construction are based on cross-sections shown in the plans and are as follows: 3,026 cy of cut and 215 cy fill for the base bid. Excess cut volumes of soil and rail ballast material generated by earthwork operations shall be utilized for borrow as approved by Engineer to establish proposed grades for the trail or in areas with unstable subgrade. Excess cut volumes of rail ballast material generated by earthwork operations may be wasted along the rail ballast side slopes as approved by the Engineer. Ballast side slopes shall be graded smooth and left in a maintainable condition. Earthwork along trail alignment not within the rail ballast segment of trail shall be graded smooth and sodded. 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.
- Includes cost for all necessary excavation, borrow, and compaction to achieve subgrade elevations as shown on the plans, sections and construction details.

OSAGE PRAIRIE TRAIL EXTENSION

HAWK BEACON

SJ#32530(04); STPG-257E(235)IG Δ

0100 PAY QUANTITIES - ROADWAY

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
230(A)	2806	SOLID SLAB SODDING	11, 12, R-9, R-13	SY	25
303(A)	2100	(PL) AGGREGATE BASE TYPE A	F-13	CY	10
310(B)	0149	SUBGRADE, METHOD B	14, TP-1	SY	58
411(I)	6310	SUPERPAVE TYPE S4 (PATCH) (PG 64-22 OK)	48	TON	10
610(A)	0602	4" CONCRETE SIDEWALK	16, 17, 18, TP-1	SY	36
610(A)	0605	6" CONCRETE SIDEWALK	16, 17, 18, 20, TR-1, TP-1	SY	14
619(B)	4726	REMOVAL OF CURB AND GUTTER	6, 22, R-49, R-50	LF	24
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	6, 22, 23, R-49, R-50	SY	12
619(B)	4792	REMOVAL OF SIDEWALK	6, 22, 23, R-49, R-50	SY	17
624	4100	(PL) ORNAMENTAL FENCE	25	LF	48
631(A)	0210	(SP) REMOVABLE BOLLARD	1	EA	2

0300 PAY QUANTITIES - TRAFFIC

SPEC NUMBER	CODE NUMBER	DESCRIPTION	PAY NOTES	UNITS	QUAN.
802(B)	8340	2" PVC SCH.40 PLASTIC CONDUIT BORED	TP-1	LF	15
802(B)	8342	2" PVC SCH.40 PLASTIC CONDUIT TRENCHED	TP-1	LF	5
802(C)	8553	3" HIGH DENSITY PE PIPE - BORED	TP-1	LF	60
803(A)	8065	PULL BOX SIZE I	45	EA	2
804(A)	2915	STRUCTURAL CONCRETE	TP-1	CY	10
804(B)	2916	REINFORCING STEEL	TP-1	LB	1437
805(D)	8744	(PL)REMOVE AND RESET LIGHT POLE	6, 30	EA	1
806(A)	8726	POLE & 25' TS MST. ARM (G.STL.)	46	EA	1
806(A)	8351	32' MH POLE 25' TS & 0' LMA (G.STL.)	46	EA	1
809(A)	8090	ROADWAY LUMINAIRE	TL-24	EA	1
810(A)	3118	SERVICE POLE	TL-35	EA	1
811	8040	1/2" NO.6 ELECTRICAL CONDUCTOR	TP-1, 47	LF	200
811	8044	1/2" NO.10 ELECTRICAL CONDUCTOR	TP-1	LF	275
834(A)	8207	5/8" TRAFFIC SIGNAL ELECTRICAL CABLE	TP-1	LF	300
834(A)	8208	7/8" TRAFFIC SIGNAL ELECTRICAL CABLE	TP-1	LF	100
834(B)	8220	2" SHIELDED LOOP DETECTOR LEAD-IN CABLE	TP-1, 52	LF	10
850(A)	8110	SHEET ALUMINUM SIGNS	TP-1, 54, 55	SF	33
850(C)	8118	MAST ARM MOUNTED SIGNS (ALUMINUM)	TP-1, 53, 54	SF	66
851(C)	8324	2" SQUARE TUBE POST	TP-1	LF	50
856(A)	8530	TRAFFIC STRIPE (MULTI-POLYMER)(4" WIDE)	TS-24	LF	350
856(A)	8555	TRAFFIC STRIPE (MULTI-POLY)(24" WIDE)	TS-28	LF	125
857(F)	8006	PAVEMENT MARKING REMOVAL (TRAFFIC STRIPE)	TS-32	LF	400
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	TC-25	LSUM	1
890	7700	(PL) TRAFFIC ITEMS	48, 49, 50, 51	LSUM	1

*Refer to sheet 22 and 23 of 32 for Hawk Beacon pay quantity notes 45-55.

TRAFFIC SIGNING AND ROADWAY PAY QUANTITY NOTES

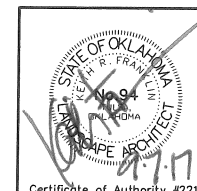
- C-60 The stations and locations of the sign placement, as shown on the plan sheets, are approximate. Exact stations and locations shall be determined by the contractor so that the sign is installed in accordance with department standards and the MUTCD in order to provide optimum visibility to the oncoming/approaching motorist. If a proposed location conflicts with other signs, utilities or other roadway features, the engineer shall be notified.
- C-61 Post lengths shown on the sign summary are approximate. Exact length shall be determined by field survey by the contractor.
- C-69 For new or existing ground mounted signs, maximum stub post projection above footing/ground line shall be 1-3/4" +/- 1/4". Maximum footing projection above ground line shall be no more than 2". Should additional soil be required, the engineer will designate an area to obtain additional soil. All associated costs shall be included in other items of work.
- F-13 Measurement will be based on the theoretical cross section shown on the typical section, multiplied by the actual length.
- R-30 Unit Price Bid to include cost of tack coat, meeting the requirements of Section 407 of the Standard Specifications.
- R-32 Est. At 112 pounds/square yard per 1" thickness. Includes asphalt and aggregate and other ingredients as specified in the job mix formula.
- R-49 To become the property of and disposed of by the contractor in a manner approved by the Engineer.
- R-50 Materials removed shall not be measured for payment under section 202.06 Unclassified Excavation.

TRAIL PAY QUANTITY NOTES

- Damage to existing utilities as a result of construction shall be repaired or replaced at the expense of the Contractor. Contractor shall insure all utilities shall be located and marked in all areas of excavation and earthwork operations.
- Earthwork pay item includes 20CY 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. Includes all necessary earthwork associated with the construction of the hawk beacon.
- The design consultant shall submit an erosion control plan to the Owner for trail construction (refer to demo sheets 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 354 SY in graded areas within the cut/fill catchlines along the base bid Osage Prairie Trail Extension. Total quantity includes an additional 35 SY to be used at the discretion of the Engineer. The additional 35 SY shall be included in the cost of solid slab sodding. Contractor will provide U3 bermuda sod 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.
- Contractor shall refer to the sod specifications in section 02930 of the project manual for supplemental information on sod installation.
- 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.
- The aggregates shall meet the requirements for a wearing course mixture with 10,000 ADT or more, as shown in Table 1 of section 708.02 (ODOT Standard Specs.). Replace section 708.04(C) with the following: Reclaimed Asphalt Concrete Pavement (RAP) shall not be used in the plant mix bituminous mixture. Asphalt cement shall be PG 64-22 OK.
- 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, tooled 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.

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	28839(04); 32530(04)			
REVISIONS					
DESCRIPTION	DATE				
Added project number next to JP number in title	9-06-17				
Revised code number for 411(C)					
Revised code number and description for 851(C)					
Moved item 220 to the 640 Construction category					
Moved item 642(B) to the 600 Staking category					

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Osage Prairie Trail Extension		PREPARED BY: LANDPLAN CONSULTANTS
1110 West 23rd Street		TULSA, OK 74107 918-584-6464
Design	JM	8/16
Drawn	JM/BB	8/16
Checked	JM/KF	6/17
Approved		
Squad	LPCI	

PAY QUANTITIES AND NOTES

State Job No. 28839 (04), 32530 (04) Sheet No. 2 of 32