100-1D
10-18-05

PROJECT DESCRIPTION

This project is for the paving of a four lane divided roadway as the relocation of US 34 from the Missouri River to east of the existing I-29/US 34 interchange in Mills County.

This project involves a new crossing located approximately 1 mile north of the confluence of the Platte River and the Missouri River on relocated US 34. The reconstruction of existing US 34 will extend east to approximately 500 ft east of the BNSF RR bridge at Sta 505+50. The RR bridge will be used as constructed (UAC). The I-29 interchange and ramps will be reconstructed and reconfigured to a par-clo layout.

100-1C
04-17-12

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: State Funding
Division 2: City Funding
Division 3:
Division 4:
Division 5:

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
1	2102-0425046	SELECTED BACKFILL	CY	33826					33826					
2	2102-0425070	SPECIAL BACKFILL	TON	23011					23011					
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	151807					151807					
4	2102-2712015	EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS	CY	25					25					
5	2105-8425011	TOPSOIL, SPREAD	CY	9039					9039					
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	9255					9255					
7	2107-0875100	COMPACTION WITH MOISTURE CONTROL	CY	141423					141423					
8	2108-5025000	OVERHAUL	ST-Y	1934432					1934432					
9	2111-8174100	GRANULAR SUBBASE	SY	111798.8					111798.8					
10	2115-0100000	MODIFIED SUBBASE	CY	4084.3					4084.3					
11	2121-7425010	GRANULAR SHOULDERS, TYPE A	TON	15000					15000					
12	2122-5190010	PAVED SHOULDER, P.C. CONCRETE, 10 IN.	SY	819.7					819.7					
13	2122-5190501	PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER PANEL FOR BRIDGE END DRAI	SY	204.1					204.1					
14	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	SY	33153					33153					
15	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	705					705					
16	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	45.3					45.3					
17	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	2					2					
18	2301-1003080	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY,	SY	14393.3					14393.3					
19	2301-1003100	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY,	SY	115182.8					115182.8					
20	2301-9090000	QUALITY MANAGEMENT - CONCRETE (QM-C)	CY	29894.3					29894.3					
21	2304-0100000	DETOUR PAVEMENT	SY	10070.3					10070.3					
22	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	2905					2905					
23	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	1					1					
24	2402-0425040	FLOODED BACKFILL	CY	497.3					497.3					
25	2402-2720100	EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT	CY	390					390					
26	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.	EACH	0					0					
27	2417-1040015	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 15 IN. DIA.	LF	220					220					
28	2417-2307036	DRAIN, CORRUGATED METAL SLOTTED PIPE, 36 IN., W/6 IN. GRATE	LF	112					112					
29	2417-5895015	BEVELED PIPE AND GUARD, 15 INCH	EACH	2					2					
30	2422-0360000	UNCLASSIFIED APRONS, 12 IN. DIA	EACH	6					6					
31	2422-0360018	APRONS, UNCLASSIFIED, 18 IN. DIA.	EACH	8					8					
32	2422-0360024	APRONS, UNCLASSIFIED, 24 IN. DIA.	EACH	5					5					
33	2422-0360030	APRONS, UNCLASSIFIED, 30 IN. DIA.	EACH	10					10					
34	2422-0360036	APRONS, UNCLASSIFIED, 36 IN. DIA.	EACH	4					4					
35	2422-1722030	CULVERT, UNCLASSIFIED ENTRANCE PIPE, 30 IN. DIA.	LF	316					316					
36	2422-1723018	CULVERT, UNCLASSIFIED ROADWAY PIPE, 18 IN. DIA.	LF	372					372					
37	2422-1723024	CULVERT, UNCLASSIFIED ROADWAY PIPE, 24 IN. DIA.	LF	194					194					
38	2422-1723036	CULVERT, UNCLASSIFIED ROADWAY PIPE, 36 IN. DIA.	LF	116					116					
39	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	1					1					
40	2435-0251224	INTAKE, SW-512, 24 IN.	EACH	1					1					
41	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	41166					41166					
42	2502-8220196	SUBDRAIN OUTLET, RF-19E	EACH	170					170					
43	2503-0110012	STORM SEWER GRAVITY MAIN, TRENCHED, 12 IN.	LF	238	405				643					
44	2503-0110018	STORM SEWER GRAVITY MAIN, TRENCHED, 18 IN.	LF	98	221				319					
45	2503-0110024	STORM SEWER GRAVITY MAIN, TRENCHED, 24 IN.	LF	116	136				252					
46	2503-0120018	STORM SEWER GRAVITY MAIN, TRENCHLESS, 18 IN.	LF	72	122				194					
47	2503-0500380	BRIDGE END DRAIN, RF-38	EACH	10					10					
48	2504-0230000	SEWAGE AIR RELEASE VALVE AND PIT	EACH	2					2					
49	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	850					850					
50	2505-4008300	STEEL BEAM GUARDRAIL	LF	1100					1100					
51	2505-4008400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	12					12					
52	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	12					12					
53	2505-4021700	STEEL BEAM GUARDRAIL END TERMINAL	EACH	12					12					
54	2506-4984000	FLOWABLE MORTAR	CY	30.5					30.5					
55	2510-6745850	REMOVAL OF PAVEMENT	SY	56623.6					56623.6					
56	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	1					1					
57	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	321.9					321.9					
58	2518-6891810	PERMANENT ROAD CLOSURE, RURAL, SI-181	LF	30					30					
59	2518-6910000	SAFETY CLOSURE	EACH	68					68					
60	2520-3350010	FIELD LABORATORY	EACH	1					1					
61	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	830.56					830.56					
62	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	84.84					84.84					
63	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	8					8					
64	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	141.05					141.05					
65	2527-9263190	SYMBOLS AND LEGENDS REMOVED	EACH	4					4					
66	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	195					195					

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67	2528-8400157	TEMPORARY FLOODLIGHTING LUMINAIRE	EACH	14					14					
68	2528-8445110	TRAFFIC CONTROL	LS	1					1					
69	2528-8445113	FLAGGERS	EACH	Per Proposal					Per Proposal					
70	2529-8174010	SUBBASE (PATCHES)	SY	48.5					48.5					
71	2533-4980005	MOBILIZATION	LS	1					1					
72	2551-0000110	TEMP CRASH CUSHION	EACH	1					1					
73	2552-0000210	TRENCH FOUNDATION	TON	40					40					
74	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1					1					
75	2599-9999005	FORCE MAIN CLEANOUT, 2 IN. DIA.	EACH	1					1					
76	2599-9999005	PIPELINE MARKERS	EACH	5					5					
77	2599-9999009	PIPE, PVC, 2 IN. DIA., SOLVENT WELD PIPE	LF	2354					2354					
78	2601-2634100	MULCHING	ACRE	25					25					
79	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	25					25					
80	2602-0000020	SILT FENCE	LF	15885					15885					
81	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	245					245					
82	2602-0000090	CLEAN-OUT OF SILT FENCE	LF	29040					29040					
83	2602-0000100	CLEAN-OUT OF SILT FENCE FOR DITCH CHECK	LF	670					670					
84	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	200					200					
85	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	200					200					
		ALTERNATE AA OPTION 1												
86	2102-0425070	SPECIAL BACKFILL	TON	3457.0					3457.0					
87	2122-5190007	PAVED SHOULDER, P.C. CONCRETE, 7 IN.	SY	9153.0					9153.0					
88	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, PCC SURFACE	STA	215.9					215.9					
		ALTERNATE AA OPTION 2												
89	2102-0425070	SPECIAL BACKFILL	TON	2823.0					2823.0					
90	2122-5500080	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 8 IN.	SY	9153.0					9153.0					
91	2548-0000100	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA	215.9					215.9					
92	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL	237.5					237.5					
		ALTERNATE BB OPTION 1												
93	2526-8285000	CONSTRUCTION SURVEY	LS	1.00					1.00					
		ALTERNATE BB OPTION 2												
94	2301-9090100	PCC PAVING 3-D MACHINE CONTROL	LS	1.00					1.00					
95	2526-8285000	CONSTRUCTION SURVEY	LS	1.00					1.00					
96	2526-8286000	GLOBAL POSITIONING SYSTEM (GPS) MACHINE CONTROL GRADING	LS	1.00					1.00					