



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 13, 2012

CALL NO. 301
CONTRACT ID NO. 121342
Addendum # 4

Subject: Barren County, FD04 SPP 005 NEW ROUTE
Letting September 14, 2012

- (1) Revised - Plan Sheet S001 Title Sheet
- (2) Revised - Bid Items - Pages 100-113 of 113

Proposal revisions are available at
<http://transportation.ky.gov/Construction-Procurement>

Plan Revisions are available at: <http://www.lynnimaging.com/kytransportation/>

If you have any questions, please contact us at (502) 564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:jj

Enclosures



An Equal Opportunity Employer M/F/D

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

BARREN COUNTY GLASGOW OUTER LOOP LOUIE B. NUNN PARKWAY OVER KY 1297 STA. 71+58.24

ESTIMATE OF QUANTITIES

BID ITEM CODE	08100	08104	08150	08151	08001	08002	08020	02231	02998	08046	08033	08094	08633	03299	21532ED	20598NC	02403	08551	08469												
BID ITEM	Concrete Class "A"	Concrete Class "AA"	Steel Reinforcement	Steel Reinforcement, Epoxy Coated	Structure Excavation, Common	Structure Excavation Solid Rock	Crushed Aggregate Slope Protection	Structure Granular Backfill	Masonry Coating	Piles - Steel HP 12x53	Test Piles	Pile Points 12 Inch	PPC I-Beam Type 3	Armored Edge for Concrete	Rail System Type 3	Bar Splice Phase Construction	Remove Concrete Masonry	Machine Preparation of Slab	Expansion Dam 1 1/2" Neoprene												
UNIT	C.Y.	C.Y.	LBS.	LBS.	C.Y.	C.Y.	Tons	C.Y.	S.Y.	L.F.	L.F.	Each	L.F.	L.F.	L.F.	Each	C.Y.	S.Y.	L.F.												
Westbound Substructure																															
End Bent #1	17.9	12.5		6220		43	6		45		33	5																			
Pier #1	29.5		15464	72	41	6																									
Pier #2	30.3		15198	72	41	4																									
End Bent #2	17.5	12.3		6169			995	44		145		5				4	7														
Superstructure			194.9		49191				311				335.9	95.5	389	338	59	539	95.5												
Westbound Totals		95.2	219.7	30662	61724	84	10	1857	89	311	265	33	10	335.9	95.5	389	346	73	539	95.5											
Eastbound Substructure																															
End Bent #1	30.9	16.3	*	*	38	14			84			8				4	7														
Pier #1	36.7		*	*	31	3																									
Pier #2	34.6		*	*																											
End Bent #2	31.0	16.2		*			*	85		231	34	8				4	7														
Superstructure			251.2		62281				311				503.9	117.2	389	337	59	539	117.2												
Eastbound Totals		133.2	283.7	*	62281	69	17	*	169	311	463	34	16	503.9	117.2	389	345	73	539	117.2											
BRIDGE TOTALS		228.4	503.4	30662	124005	153	27	1857	258	622	728	67	26	839.8	212.7	778	691	146	1078	212.7											

* Included in Westbound Quantities.

INDEX OF SHEETS

Sheet No.	Description
S1	Title Sheet
S2	General Notes
S3	Layout
S4	Phase Construction Details
S5-S6	Subsurface Data
S7-S8	Foundation Layout
S9	End Bent Removal Details
S10-S12	End Bent #1
S13	Pier #1
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S15-S17	End Bent #2
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S19	PPC I-Beam, Type 3, Details
S20	Intermediate Diaphragm Details
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S24-S26	Superstructure ~ WB
S27	Rail System Type 3
S28	Construction Elevations

SPECIAL NOTES

SPECIAL PROVISIONS

69 Embankment at Bridge End Bent Structures

STANDARD DRAWINGS

BBP-001-12	Elastomeric Bearing Pads for Prestressed Beams
BBP-002-04	Bearing Details
BGX-006-09	Stencils for Structures
BGX-012-02	Geotechnical Legend
BJE-001-12	Neoprene Expansion Dams and Armored Edges
BPS-003-09	HP12x53 Steel Pile

SPECIFICATIONS

2012 Standard Specifications for Road and Bridge Construction.
 2002 AASHTO Standard Specifications for Highway Bridges.

REVISION

DATE:	CHECKED BY
October 2007	D. Carpenter
DESIGNED BY: E. Kilgore	E. Kilgore
DETAILED BY: W. T. Mathews	

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS**

COUNTY
BARREN

ROUTE LBNP	CROSSING KY 1297
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TITLE SHEET

PREPARED BY
Division of Structural Design

D. Carpenter Section

ITEM NUMBER 3-7000.00	SHEET NO. S1
	DRAWING NO. 26194

▲ REVISED 9-12-12

LETTING DATE

CONSTRUCTION PROJECT NO.

FILE NAME: H:\Archives\Barren\26194_3-7000_00\26194.dgn

USERNAME: gary.newton

DATE: 18-JUN-2012

SHEET LOCATION: TIT

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

BARREN COUNTY GLASGOW OUTER LOOP LOUIE B. NUNN PARKWAY OVER KY 1297 STA. 71+58.24

ESTIMATE OF QUANTITIES

BID ITEM CODE	08100	08104	08150	08151	08001	08002	08020	02231	02998	08046	08033	08094	08633	03299	21532ED	20598NC	02403	08551	08469																
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UNIT	C.Y.	C.Y.	LBS.	LBS.	C.Y.	C.Y.	Tons	C.Y.	S.Y.	L.F.	L.F.	Each	L.F.	L.F.	L.F.	Each	C.Y.	S.Y.	L.F.																
Westbound Substructure	End Bent #1	17.9	12.5	6220			862	45		120	33	5				4	7																		
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Superstructure		251.2		62281				311				503.9	117.2	389	337	59	539	117.2																	
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Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
BARREN

ROUTE LBNP	CROSSING KY 1297
TITLE SHEET	
PREPARED BY Division of Structural Design	
D. Carpenter Section	
SHEET NO. S1	DRAWING NO. 26194

ITEM NUMBER
3-7000.00

CONTRACT ID: 121342
COUNTY: BARREN
PROPOSAL: FD04 SPP 005 NEW ROUTE

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 PAVING ALT GROUP AA1 (ALTERNATE A - ASPHALT W/ ASPHALT SHOULDERS)						
0010	00003	CRUSHED STONE BASE	92,831.000	TON		
0020	00013	LIME STABILIZED ROADBED	192,435.000	SQYD		
0030	00014	LIME	3,600.000	TON		
0040	00020	TRAFFIC BOUND BASE	696.000	TON		
0050	00100	ASPHALT SEAL AGGREGATE	725.000	TON		
0060	00103	ASPHALT SEAL COAT	87.000	TON		
0070	00190	LEVELING & WEDGING PG64-22	679.000	TON		
0080	00212	CL2 ASPH BASE 1.00D PG64-22	8,509.000	TON		
0090	00214	CL3 ASPH BASE 1.00D PG64-22	52,052.000	TON		
0100	00221	CL2 ASPH BASE 0.75D PG64-22	5,416.000	TON		
0110	00301	CL2 ASPH SURF 0.38D PG64-22	1,756.000	TON		
0120	00309	CL2 ASPH SURF 0.50D PG64-22	4,783.000	TON		
0130	00324	CL3 ASPH SURF 0.50B PG64-22	8,246.000	TON		
0140	00330	CL3 ASPH SURF 0.50A PG64-22	2,159.000	TON		
0150	00358	ASPHALT CURING SEAL	192.000	TON		
0160	01845	ISLAND INTEGRAL CURB	301.750	LF		
0170	01891	ISLAND HEADER CURB TYPE 2	604.000	LF		
0180	02200	ROADWAY EXCAVATION	876,663.000	CUYD		
0190	02696	SHOULDER RUMBLE STRIPS-SAWED	76,720.000	LF		
0200	02702	SAND FOR BLOTTER	482.000	TON		

CONTRACT ID: 121342
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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	(1.00)	LS	587,210.00	587,210.00
SECTION 0002 PAVING ALT GROUP AA2 (ALTERNATE B - CONCRETE W/ CONCRETE SHOULDERS)						
0220	00003	CRUSHED STONE BASE	78,559.000	TON		
0230	00013	LIME STABILIZED ROADBED	192,435.000	SQYD		
0240	00014	LIME	3,600.000	TON		
0250	00020	TRAFFIC BOUND BASE	696.000	TON		
0260	00100	ASPHALT SEAL AGGREGATE	725.000	TON		
0270	00103	ASPHALT SEAL COAT	87.000	TON		
0280	00190	LEVELING & WEDGING PG64-22	679.000	TON		
0290	00212	CL2 ASPH BASE 1.00D PG64-22	408.000	TON		
0300	00214	CL3 ASPH BASE 1.00D PG64-22	3,475.000	TON		
0310	00221	CL2 ASPH BASE 0.75D PG64-22	5,416.000	TON		
0320	00301	CL2 ASPH SURF 0.38D PG64-22	1,756.000	TON		
0330	00309	CL2 ASPH SURF 0.50D PG64-22	1,044.000	TON		
0340	00324	CL3 ASPH SURF 0.50B PG64-22	564.000	TON		
0350	00330	CL3 ASPH SURF 0.50A PG64-22	2,159.000	TON		
0360	00358	ASPHALT CURING SEAL	192.000	TON		
0370	01845	ISLAND INTEGRAL CURB	905.750	LF		
0380	02073	JPC PAVEMENT-9 IN	93,476.000	SQYD		
0390	02078	JPC PAVEMENT-6 IN SHLD	45,323.000	SQYD		
0400	02200	ROADWAY EXCAVATION	868,490.000	CUYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0410	02702	SAND FOR BLOTTER	482.000	TON		
0420	10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	(1.00)	LS	288,141.00	288,141.00
SECTION 0003		PAVING				
ALT GROUP AA3		(ALTERNATE C - CONCRETE W/ ASPHALT SHOULDERS)				
0430	00003	CRUSHED STONE BASE	80,575.000	TON		
0440	00013	LIME STABILIZED ROADBED	192,435.000	SQYD		
0450	00014	LIME	3,600.000	TON		
0460	00020	TRAFFIC BOUND BASE	696.000	TON		
0470	00100	ASPHALT SEAL AGGREGATE	725.000	TON		
0480	00103	ASPHALT SEAL COAT	87.000	TON		
0490	00190	LEVELING & WEDGING PG64-22	679.000	TON		
0500	00212	CL2 ASPH BASE 1.00D PG64-22	6,850.000	TON		
0510	00214	CL3 ASPH BASE 1.00D PG64-22	3,475.000	TON		
0520	00221	CL2 ASPH BASE 0.75D PG64-22	5,416.000	TON		
0530	00301	CL2 ASPH SURF 0.38D PG64-22	1,756.000	TON		
0540	00309	CL2 ASPH SURF 0.50D PG64-22	4,755.000	TON		
0550	00324	CL3 ASPH SURF 0.50B PG64-22	564.000	TON		
0560	00330	CL3 ASPH SURF 0.50A PG64-22	2,159.000	TON		
0570	00358	ASPHALT CURING SEAL	192.000	TON		
0580	01845	ISLAND INTEGRAL CURB	905.750	LF		
0590	02073	JPC PAVEMENT-9 IN	93,476.000	SQYD		
0600	02200	ROADWAY EXCAVATION	868,490.000	CUYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0610	02696	SHOULDER RUMBLE STRIPS-SAWED	76,720.000	LF		
0620	02702	SAND FOR BLOTTER	482.000	TON		
0630	10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	(1.00)	LS	288,141.00	288,141.00
SECTION 0004 ROADWAY						
0640	00078	CRUSHED AGGREGATE SIZE NO 2	20.000	TON		
0650	01000	PERFORATED PIPE-4 IN	3,202.000	LF		
0660	01010	NON-PERFORATED PIPE-4 IN	1,157.000	LF		
0670	01020	PERF PIPE HEADWALL TY 1-4 IN	7.000	EACH		
0680	01028	PERF PIPE HEADWALL TY 3-4 IN	2.000	EACH		
0690	01032	PERF PIPE HEADWALL TY 4-4 IN	11.000	EACH		
0700	01310	REMOVE PIPE	62.000	LF		
0710	01585	REMOVE DROP BOX INLET	1.000	EACH		
0720	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	150.000	EACH		
0730	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	42.000	EACH		
0740	01984	DELINEATOR FOR BARRIER - WHITE	110.000	EACH		
0750	01985	DELINEATOR FOR BARRIER - YELLOW	12.000	EACH		
0760	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL HITE	24.000	EACH		
0770	01992	INSTALL TEMP CONC MED BARR	10,000.000	LF		
0780	02003	RELOCATE TEMP CONC BARRIER	1,000.000	LF		
0790	02014	BARRICADE-TYPE III	20.000	EACH		
0800	02091	REMOVE PAVEMENT	4,799.000	SQYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0810	02159	TEMP DITCH	16,950.000	LF		
0820	02223	GRANULAR EMBANKMENT (REVISED: 9-7-12)	47,032.000	CUYD		
0830	02242	WATER	1,500.000	MGAL		
0840	02262	FENCE-WOVEN WIRE TYPE 1	28,494.000	LF		
0850	02265	REMOVE FENCE	4,893.000	LF		
0860	02351	GUARDRAIL-STEEL W BEAM-S FACE	12,650.000	LF		
0870	02352	GUARDRAIL-STEEL W BEAM-D FACE	275.000	LF		
0880	02360	GUARDRAIL TERMINAL SECTION NO 1	6.000	EACH		
0890	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	12.000	EACH		
0900	02365	CRASH CUSHION TYPE IX-A	2.000	EACH		
0910	02369	GUARDRAIL END TREATMENT TYPE 2A	9.000	EACH		
0920	02373	GUARDRAIL END TREATMENT TYPE 3	1.000	EACH		
0930	02381	REMOVE GUARDRAIL	3,041.000	LF		
0940	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	2.000	EACH		
0950	02391	GUARDRAIL END TREATMENT TYPE 4A	12.000	EACH		
0960	02432	WITNESS POST	6.000	EACH		
0970	02545	CLEARING AND GRUBBING (143 ACRES)	(1.00)	LS		
0980	02562	SIGNS	1,283.500	SQFT		
0990	02585	EDGE KEY	89.000	LF		
1000	02598	FABRIC-GEOTEXTILE TYPE III	21,021.000	SQYD		
1010	02599	FABRIC-GEOTEXTILE TYPE IV	200.000	SQYD		

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1020	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	9,851.000	SQYD	2.00	19,702.00
1030	02625	REMOVE HEADWALL	1.000	EACH		
1040	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
1050	02651	DIVERSIONS (BY-PASS DETOURS) (C MORGAN ROAD)	(1.00)	LS		
1060	02651	DIVERSIONS (BY-PASS DETOURS) (KY 1297 DIVERSION #1)	(1.00)	LS		
1070	02651	DIVERSIONS (BY-PASS DETOURS) (KY 1297 DIVERSION #2)	(1.00)	LS		
1080	02671	PORTABLE CHANGEABLE MESSAGE SIGN	3.000	EACH		
1090	02676	MOBILIZATION FOR MILL & TEXT	(1.00)	LS		
1100	02677	ASPHALT PAVE MILLING & TEXTURING	3,262.000	TON		
1110	02692	SETTLEMENT PLATFORM	2.000	EACH		
1120	02701	TEMP SILT FENCE	33,900.000	LF		
1130	02703	SILT TRAP TYPE A	143.000	EACH		
1140	02704	SILT TRAP TYPE B	143.000	EACH		
1150	02705	SILT TRAP TYPE C	143.000	EACH		
1160	02706	CLEAN SILT TRAP TYPE A	428.000	EACH		
1170	02707	CLEAN SILT TRAP TYPE B	428.000	EACH		
1180	02708	CLEAN SILT TRAP TYPE C	428.000	EACH		
1190	02709	CLEAN TEMP SILT FENCE	33,900.000	LF		
1200	02726	STAKING	(1.00)	LS		
1210	02775	ARROW PANEL	4.000	EACH		
1220	08905	CRASH CUSHION TY VI CLASS CT (REVISED: 8-30-12)	2.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1230	02898	RELOCATE CRASH CUSHION	2.000	EACH		
1240	02929	CRASH CUSHION TYPE IX	2.000	EACH		
1250	03340	STEEL PIPE-2 1/2 IN	68.250	LF		
1260	03343	STEEL PIPE-4 IN	68.250	LF		
1270	05950	EROSION CONTROL BLANKET	180,658.000	SQYD		
1280	05952	TEMP MULCH	509,266.000	SQYD		
1290	05953	TEMP SEEDING AND PROTECTION	50,927.000	SQYD		
1300	05966	TOPDRESSING FERTILIZER	26.000	TON		
1310	05985	SEEDING AND PROTECTION	505,103.000	SQYD		
1320	05990	SODDING	4,163.000	SQYD		
1330	06417	FLEXIBLE DELINEATOR POST-W	102.000	EACH		
1340	06418	FLEXIBLE DELINEATOR POST-Y	62.000	EACH		
1350	06510	PAVE STRIPING-TEMP PAINT-4 IN	7,412.000	LF		
1360	06511	PAVE STRIPING-TEMP PAINT-6 IN	7,771.000	LF		
1370	06514	PAVE STRIPING-PERM PAINT-4 IN	87,665.000	LF		
1380	06515	PAVE STRIPING-PERM PAINT-6 IN	36,791.000	LF		
1390	06517	PAVE STRIPING-PERM PAINT-12 IN	1,775.000	LF		
1400	06531	PAVE STRIPING REMOVAL-6 IN	1,957.000	LF		
1410	06550	PAVE STRIPING-TEMP REM TAPE-W	348.000	LF		
1420	06567	PAVE MARKING-THERMO STOP BAR-12IN	30.000	LF		
1430	06568	PAVE MARKING-THERMO STOP BAR-24IN	379.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1440	06574	PAVE MARKING--THERMO CURV ARROW	35.000	EACH		
1450	06588	PAVEMENT MARKER TY IVA-BY TEMP	60.000	EACH		
1460	06589	PAVEMENT MARKER TYPE V-MW	252.000	EACH		
1470	06591	PAVEMENT MARKER TYPE V-BY	166.000	EACH		
1480	06592	PAVEMENT MARKER TYPE V-B W/R	544.000	EACH		
1490	06593	PAVEMENT MARKER TYPE V-B Y/R	162.000	EACH		
1500	06600	REMOVE PAVEMENT MARKER TYPE V	50.000	EACH		
1510	08100	CONCRETE-CLASS A	122.610	CUYD		
1520	08150	STEEL REINFORCEMENT	4,694.000	LB		
1530	20411ED	LAW ENFORCEMENT OFFICER	800.000	HOURL		
1540	20449NS724	SHAGBARK HICKORY	565.000	EACH		
1550	20451NS724	WHITE OAK	565.000	EACH		
1560	20516NS724	TULIP POPLAR	565.000	EACH		
1570	20904ED	RECONSTRUCT CURB BOX INLET	1.000	EACH		
1580	23274EN11F	TURF REINFORCEMENT MAT 1	4,715.000	SQYD		
1590	23791EC	PAVE STRIPING-CHEVRON MARKINGS	18,217.000	SQFT		
1600	24540	R/W MONUMENT TYPE 3	126.000	EACH		
SECTION 0005 DRAINAGE						
1610	00440	ENTRANCE PIPE-15 IN	545.000	LF		
1620	00441	ENTRANCE PIPE-18 IN	36.000	LF		
1630	00443	ENTRANCE PIPE-24 IN	28.000	LF		

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1640	00445	ENTRANCE PIPE-30 IN	51.000	LF		
1650	00461	CULVERT PIPE-15 IN	940.000	LF		
1660	00462	CULVERT PIPE-18 IN	778.000	LF		
1670	00464	CULVERT PIPE-24 IN	319.000	LF		
1680	00466	CULVERT PIPE-30 IN	371.000	LF		
1690	00468	CULVERT PIPE-36 IN	442.000	LF		
1700	00469	CULVERT PIPE-42 IN	731.000	LF		
1710	00470	CULVERT PIPE-48 IN	78.000	LF		
1720	00471	CULVERT PIPE-54 IN	42.000	LF		
1730	00472	CULVERT PIPE-60 IN	22.000	LF		
1740	01432	SLOPED BOX OUTLET TYPE 1-15 IN	8.000	EACH		
1750	01450	S & F BOX INLET-OUTLET-18 IN	11.000	EACH		
1760	01451	S & F BOX INLET-OUTLET-24 IN	6.000	EACH		
1770	01452	S & F BOX INLET-OUTLET-30 IN	2.000	EACH		
1780	01453	S & F BOX INLET-OUTLET-36 IN	3.000	EACH		
1790	01480	CURB BOX INLET TYPE B	2.000	EACH		
1800	01493	DROP BOX INLET TYPE 2	1.000	EACH		
1810	01502	DROP BOX INLET TYPE 5A	1.000	EACH		
1820	01505	DROP BOX INLET TYPE 5B	2.000	EACH		
1830	01508	DROP BOX INLET TYPE 5C	1.000	EACH		
1840	01511	DROP BOX INLET TYPE 5D	7.000	EACH		

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1850	01517	DROP BOX INLET TYPE 5F	5.000	EACH		
1860	01568	DROP BOX INLET TYPE 13S	1.000	EACH		
1870	01650	JUNCTION BOX	2.000	EACH		
1880	01767	MANHOLE TYPE C	1.000	EACH		
1890	02484	CHANNEL LINING CLASS III	937.000	TON		
1910	08150	STEEL REINFORCEMENT	4,234.000	LB		
1920	23131ER701	PIPELINE VIDEO INSPECTION	1,855.000	LF		
SECTION 0006 BRIDGE						
1930	02220	FLOWABLE FILL	310.200	CUYD		
1940	02231	STRUCTURE GRANULAR BACKFILL	720.000	CUYD		
1950	02403	REMOVE CONCRETE MASONRY	146.000	CUYD		
1960	02998	MASONRY COATING	4,673.000	SQYD		
1970	03299	ARMORED EDGE FOR CONCRETE	465.400	LF		
1980	08001	STRUCTURE EXCAVATION-COMMON	1,999.600	CUYD		
1990	08002	STRUCTURE EXCAV-SOLID ROCK	1,030.400	CUYD		
2000	08019	CYCLOPEAN STONE RIP RAP	10,022.000	TON		
2010	08020	CRUSHED AGGREGATE SLOPE PROT	2,253.000	TON		
2020	08033	TEST PILES	253.000	LF		
2030	08046	PILES-STEEL HP12X53	728.000	LF		
2040	08051	PILES-STEEL HP14X89	2,430.500	LF		
2050	08094	PILE POINTS-12 IN	26.000	EACH		

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2060	08095	PILE POINTS-14 IN	58.000	EACH		
2070	08100	CONCRETE-CLASS A	2,797.900	CUYD		
2080	08104	CONCRETE-CLASS AA	2,217.300	CUYD		
2090	08150	STEEL REINFORCEMENT	344,299.000	LB		
2100	08151	STEEL REINFORCEMENT-EPOXY COATED	646,844.000	LB		
2101	08469	EXPANSION DAM-1.5 IN NEOPRENE (ADDED: 9-13-12)	212.700	LF		
2110	08551	MACHINE PREP OF SLAB	1,078.000	SQYD		
2120	08633	PRECAST PC I BEAM TYPE 3	839.800	LF		
2130	08635	PRECAST PC I BEAM TYPE 6	1,981.300	LF		
2140	08636	PRECAST PC I BEAM TYPE 5	4,113.300	LF		
2150	20598NC	BAR SPLICE-PHASE CONSTRUCTION	691.000	EACH		
2160	21532ED	RAIL SYSTEM TYPE III	2,316.000	LF		
SECTION 0007 SIGNING						
2170	06400	GMSS GALV STEEL TYPE A	2,025.000	LB		
2180	06405	SBM ALUMINUM PANEL SIGNS	1,039.000	SQFT		
2190	06406	SBM ALUM SHEET SIGNS .080 IN	1,004.000	SQFT		
2200	06407	SBM ALUM SHEET SIGNS .125 IN	369.000	SQFT		
2210	06410	STEEL POST TYPE 1	490.000	LF		
2220	06411	STEEL POST TYPE 2	2,159.000	LF		
2230	06417	FLEXIBLE DELINEATOR POST-W	50.000	EACH		
2240	06418	FLEXIBLE DELINEATOR POST-Y	100.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
2250	06441	GMSS GALV STEEL TYPE C	5,196.600	LB		
2260	06451	REMOVE SIGN SUPPORT BEAM	2.000	EACH		
2270	06490	CLASS A CONCRETE FOR SIGNS	25.000	CUYD		
2280	06491	STEEL REINFORCEMENT FOR SIGNS	1,232.000	LB		
2290	20419ND	ROADWAY CROSS SECTION	6.000	EACH		
2300	21373ND	REMOVE SIGN	1.000	EACH		
2310	21596ND	GMSS TYPE D	16.000	EACH		
SECTION 0008 SIGNALIZATION						
2320	04793	CONDUIT-1 1/4 IN	920.000	LF		
2330	04795	CONDUIT-2 IN	1,050.000	LF		
2340	04811	ELECTRICAL JUNCTION BOX TYPE B	10.000	EACH		
2350	04820	TRENCHING AND BACKFILLING	1,895.000	LF		
2360	04830	LOOP WIRE	4,893.000	LF		
2370	04844	CABLE-NO. 14/5C	1,576.000	LF		
2380	04850	CABLE-NO. 14/1 PAIR	10,126.000	LF		
2390	04895	LOOP SAW SLOT AND FILL	1,739.000	LF		
2400	20094ES835	TEMP RELOCATION OF SIGNAL HEAD	5.000	EACH		
2410	20188NS835	INSTALL LED SIGNAL-3 SECTION	6.000	EACH		
2420	20266ES835	INSTALL LED SIGNAL- 4 SECTION	2.000	EACH		
2430	21543EN	BORE AND JACK CONDUIT	75.000	LF		
2440	21659NN	RELOCATE SIGNAL HEAD	4.000	EACH		
SECTION 0009 LIGHTING						

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2450	04714	POLE 120 FT MTG HT HIGH MAST	8.000	EACH		
2460	04760	POLE W/SECONDARY CONTROL EQUIP	2.000	EACH		
2470	04773	HPS LUMINAIRE HIGH MAST	48.000	EACH		
2480	04797	CONDUIT-3 IN	1,758.000	LF		
2490	04800	MARKER	13.000	EACH		
2500	04820	TRENCHING AND BACKFILLING	6,195.000	LF		
2510	04860	CABLE-NO. 8/3C DUCTED	1,870.000	LF		
2520	04862	CABLE-NO. 4/3C DUCTED	2,990.000	LF		
2530	04863	CABLE-NO. 2/3C DUCTED	5,180.000	LF		
2540	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	4.000	EACH		
2550	20392NS835	ELECTRICAL JUNCTION BOX TYPE C	4.000	EACH		
2560	21543EN	BORE AND JACK CONDUIT	1,648.000	LF		
2570	23161EN	POLE BASE-HIGH MAST	79.000	CUYD		
SECTION 0010 WATERLINE						
2580	01075	STEEL ENCASEMENT PIPE-18 IN	170.000	LF		
2590	01099	DUCTILE IRON PIPE-12 IN	1,949.000	LF		
2600	03360	COPPER PIPE-3/4 IN	20.000	LF		
2610	03380	PVC PIPE-1 IN	335.000	LF		
2620	03385	PVC PIPE-6 IN	3,900.000	LF		
2630	03551	TAPPING SLEEVE & VALVE	1.000	EACH		
2640	20864ND	FIRE HYDRANT ASSEMBLY	3.000	EACH		

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2650	21193ND	CONNECT TO 4 IN	1.000	EACH		
2660	21916EN	PVC PIPE 6 IN-WITH STEEL PIPE 12 IN	574.000	LF		
2670	22780NN	RESTRAINED JOINT BEND-6 IN	5.000	EACH		
2680	22873NN	CUT IN & SLEEVE CONNECT-12 IN	2.000	EACH		
2690	22874NN	RESILIENT SEAT GATE VALVE-12 IN	2.000	EACH		
2700	22875NN	RESILIENT SEAT GATE VALVE-4 IN	1.000	EACH		
2710	23904EC	TAPPING SADDLE 2 X 1 IN WITH CORP STOP	1.000	EACH		
SECTION 0011 MOBILIZATION / DEMOBILIZATION						
2720	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
2730	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				