

**HEN-NEW MAUMEE RIVER BRIDGE
 22984**

ESTIMATED COST

Major Cost Drivers

<i>Description</i>				Group Total
Construction Materials Cost	from ODOT Estimator			\$10,332,815
Total Construction Cost Before Contingency & Inflationary Factor				\$10,332,815
<i>PDP Design Risk Contingency</i>			3%	
<i>Inflation per ODOT Business Plan Inflation Calculator</i>			9.4%	
<i>Total Contingency (above items combined)</i>			12.68%	\$1,310,408
Total Stage 3 Construction Materials Cost Estimate				\$11,643,223
Additional Construction Cost				
<i>Environmental Mitigation</i>				\$500,000
<i>Construction Materials Testing & Inspection</i>				\$1,200,000
<i>Mussel Relocation</i>				\$250,000
Total Stage 3 Construction Cost Estimate				\$13,593,223

Estimate Notes:

The Stage 3 cost estimate has been reduced by approximately \$2.47M (from \$16,062,280). This is a result of MSG design efforts to economize the design, refined quantities, revised published unit costs (February 2016 catalog), and contingency factors, per the following:

- Removal of Temporary Signals in the amount of approximately \$500K
- Redesign of fill type placed in the "Uncontrolled Fill" area in the amount of approximately \$500K
- Reduction in Bridge Cost is approximately \$300K (refined quantities using current unit costs)
- Reduction in Roadway Cost is approximately \$300K (refined quantities using current unit costs)
- Revised design contingency factor for Stage 3 (reduced from 10% to 3%), reduction of \$870K

Also included as additional construction costs are Environmental Mitigation, Construction Materials Testing & Inspection, and Mussel Relocation.

Estimate Cost Estimate

Estimated Cost:\$10,332,814.86

Contingency: 0.00%

Estimated Total: \$10,332,814.86

HEN-NEW BRIDGE

Base Date: 03/01/16

Spec Year: 16

Unit System: E

Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE

Highway Type: 441 (446) ON 301

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: HENRY

Latitude of Midpoint: 412417

Longitude of Midpoint: -840614

District: 02

Federal/State Project Number: G02 (069)

Estimate Type: Stage 3 Cost Estimate

Prepared by Xianan Feng on 04/20/16

Checked by Christopher Beaulieu on 04/20/16

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0100: ROADWAY

0005	201E11000 CLEARING AND GRUBBING	1.000	LS	\$50,000.00000	\$50,000.00
0006	202E23000 PAVEMENT REMOVED	76.000	SY	\$14.53575	\$1,104.72
0007	202E23010 PAVEMENT REMOVED, ASPHALT	8,563.000	SY	\$4.38264	\$37,528.55
0008	202E38000 GUARDRAIL REMOVED	1,207.000	FT	\$1.70031	\$2,052.27
0009	202E56000 BUILDING DEMOLISHED : 16'x12' SHED WITH FOUNDATION	1.000	LS	\$5,000.00000	\$5,000.00
0010	202E98400 REMOVAL MISC.: FLOWER BED REMOVED	180.000	SF	\$2.00000	\$360.00
0011	203E10000 EXCAVATION	10,617.000	CY	\$10.84789	\$115,172.05
0012	203E10001 EXCAVATION, AS PER PLAN	16,879.000	CY	\$11.00000	\$185,669.00
0013	203E20000 EMBANKMENT	64,482.000	CY	\$5.38745	\$347,393.55
0014	203E65000 SPECIAL - SETTLEMENT PLATFORM	4.000	EACH	\$1,248.78194	\$4,995.13
0015	606E15050 GUARDRAIL, TYPE MGS	87.500	FT	\$19.66167	\$1,720.40
0016	606E15100 GUARDRAIL, TYPE MGS WITH LONG POSTS	1,700.000	FT	\$16.05359	\$27,291.10
0017	606E26100 ANCHOR ASSEMBLY, TYPE E	2.000	EACH	\$1,800.91191	\$3,601.82
0018	606E26500 ANCHOR ASSEMBLY, TYPE T	1.000	EACH	\$620.34443	\$620.34
0019	606E35000 BRIDGE TERMINAL ASSEMBLY, TYPE 1	2.000	EACH	\$1,300.30405	\$2,600.61
0020	606E35100 BRIDGE TERMINAL ASSEMBLY, TYPE 2	2.000	EACH	\$266.71361	\$533.43
0021	608E10000 4" CONCRETE WALK	2,852.000	SF	\$5.74646	\$16,388.90
0022	608E52000 CURB RAMP	1,118.000	SF	\$11.96259	\$13,374.18

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<u>Description</u>					
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0023	623E38500	7.000	EACH	\$811.47257	\$5,680.31
MONUMENT ASSEMBLY					
0024	623E39500	1.000	EACH	\$549.71249	\$549.71
MONUMENT BOX ADJUSTED TO GRADE					
0025	623E40500	1.000	EACH	\$383.99658	\$384.00
REFERENCE MONUMENT					
0026	638E10400	1.000	EACH	\$1,168.13851	\$1,168.14
FIRE HYDRANT ADJUSTED TO GRADE					
0027	638E10800	2.000	EACH	\$228.22445	\$456.45
VALVE BOX ADJUSTED TO GRADE					
0028	690E50000	2.000	EACH	\$179.98346	\$359.97
SPECIAL - MAILBOX SUPPORT					
0029	690E50350	3.000	EACH	\$144.65291	\$433.96
SPECIAL - MAILBOX REMOVED AND RESET					

Total for Group 0100:\$824,438.59

Group 0200: EROSION CONTROL

0030	601E21060	88.000	SY	\$76.98799	\$6,774.94
TIED CONCRETE BLOCK MAT, TYPE 2					
0031	601E32200	14.000	CY	\$153.99368	\$2,155.91
ROCK CHANNEL PROTECTION, TYPE C WITH FILTER					
0032	659E00300	3,156.000	CY	\$15.54416	\$49,057.37
TOPSOIL					
0033	659E10000	28,428.000	SY	\$0.50652	\$14,399.35
SEEDING AND MULCHING					
0034	659E14000	1,421.000	SY	\$0.44723	\$635.51
REPAIR SEEDING AND MULCHING					
0035	659E15000	1,421.000	SY	\$0.19159	\$272.25
INTER-SEEDING					
0036	659E20000	3.960	TON	\$461.46378	\$1,827.40
COMMERCIAL FERTILIZER					
0037	659E31000	5.880	ACRE	\$16.40071	\$96.44
LIME					
0038	659E35000	158.000	MGAL	\$0.77630	\$122.66
WATER					

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0039	659E40000	64.000	MSF	\$2.00000	\$128.00
MOWING					
0040	670E00700	1,506.000	SY	\$1.90894	\$2,874.86
DITCH EROSION PROTECTION					
0041	832E15000	1.000	LS	\$25,000.00000	\$25,000.00
STORM WATER POLLUTION PREVENTION PLAN					
0042	832E30000	110,000.000	EACH	\$1.00000	\$110,000.00
EROSION CONTROL					

Total for Group 0200:\$213,344.69

Group 0300: DRAINAGE

0043	202E35100	232.000	FT	\$12.47917	\$2,895.17
PIPE REMOVED					
0044	202E58100	2.000	EACH	\$372.90785	\$745.82
CATCH BASIN REMOVED					
0045	602E20000	2.000	CY	\$1,753.70168	\$3,507.40
CONCRETE MASONRY					
0046	605E11100	5,873.000	FT	\$9.85583	\$57,883.29
6" SHALLOW PIPE UNDERDRAINS					
0047	611E00900	201.000	FT	\$33.03039	\$6,639.11
6" CONDUIT, TYPE B					
0048	611E01400	100.000	FT	\$12.59613	\$1,259.61
6" CONDUIT, TYPE E					
0049	611E01500	455.000	FT	\$14.96200	\$6,807.71
6" CONDUIT, TYPE F					
0050	611E04400	664.000	FT	\$70.91440	\$47,087.16
12" CONDUIT, TYPE B					
0051	611E04600	676.000	FT	\$44.87220	\$30,333.61
12" CONDUIT, TYPE C					
0052	611E04900	20.000	FT	\$67.32123	\$1,346.42
12" CONDUIT, TYPE D					
0053	611E05200	94.000	FT	\$50.90345	\$4,784.92
12" CONDUIT, TYPE F					
0054	611E06100	149.000	FT	\$78.93528	\$11,761.36
15" CONDUIT, TYPE C					

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0055	611E07400 18" CONDUIT, TYPE B	63.000	FT	\$111.85011	\$7,046.56
0056	611E07600 18" CONDUIT, TYPE C	141.000	FT	\$72.89509	\$10,278.21
0057	611E10600 24" CONDUIT, TYPE C	155.000	FT	\$95.97935	\$14,876.80
0058	611E98150 CATCH BASIN, NO. 3	6.000	EACH	\$3,194.90807	\$19,169.45
0059	611E98180 CATCH BASIN, NO. 3A	12.000	EACH	\$2,426.22814	\$29,114.74
0060	611E98470 CATCH BASIN, NO. 2-2B	5.000	EACH	\$1,460.23052	\$7,301.15
0061	611E98510 CATCH BASIN, NO. 2-3	1.000	EACH	\$1,922.40156	\$1,922.40
0062	611E99654 MANHOLE ADJUSTED TO GRADE	3.000	EACH	\$643.94715	\$1,931.84
0063	611E99710 PRECAST REINFORCED CONCRETE OUTLET	3.000	EACH	\$259.32187	\$777.97

Total for Group 0300:\$267,470.70

Group 0400: PAVEMENT

0064	204E10000 SUBGRADE COMPACTION	10,733.000	SY	\$1.19961	\$12,875.41
0065	204E13000 EXCAVATION OF SUBGRADE	4,226.000	CY	\$13.83069	\$58,448.50
0066	204E30010 GRANULAR MATERIAL, TYPE B	4,226.000	CY	\$37.01053	\$156,406.50
0067	204E45000 PROOF ROLLING	4.000	HOUR	\$218.42616	\$873.70
0068	254E01000 PAVEMENT PLANING, ASPHALT CONCRETE	590.000	SY	\$7.88150	\$4,650.09
0069	301E46000 ASPHALT CONCRETE BASE, PG64-22	2,037.000	CY	\$108.73177	\$221,486.62
0070	304E20000 AGGREGATE BASE	3,254.000	CY	\$45.41486	\$147,779.95

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0071	407E10000 TACK COAT	1,544.000	GAL	\$1.82501	\$2,817.82
0072	409E98010 SEALING, MISC.: LONGITUDINAL JOINT SEALER	2,498.000	LB	\$1.00000	\$2,498.00
0073	441E10101 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN	442.000	CY	\$180.00000	\$79,560.00
0074	441E10201 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN	618.000	CY	\$150.00000	\$92,700.00
0075	441E50200 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (WEDGING)	13.000	CY	\$134.80593	\$1,752.48
0076	452E10010 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	44.000	SY	\$55.66386	\$2,449.21
0077	452E19200 NON-REINFORCED CONCRETE PAVEMENT, MISC.: :DECORATIVE, TRUCK APRON	754.000	SY	\$75.00000	\$56,550.00
0078	608E30000 AGGREGATE WALK : 1" LIMESTONE SCREENINGS	4,178.000	SF	\$4.50000	\$18,801.00
0079	608E98000 WALKWAY, MISC.: DECORATIVE CONCRETE, 6" SPLITTER ISLAND	13,284.000	SF	\$12.00000	\$159,408.00
0080	609E12000 COMBINATION CURB AND GUTTER, TYPE 2	3,607.000	FT	\$17.26376	\$62,270.38
0081	609E12001 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	32.000	FT	\$18.00000	\$576.00
0082	609E14000 CURB, TYPE 2-A	376.000	FT	\$5.86565	\$2,205.48
0083	609E18001 COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN	590.000	FT	\$25.50000	\$15,045.00
0084	609E24510 CURB, TYPE 4-C	52.000	FT	\$34.07115	\$1,771.70
0085	609E26000 CURB, TYPE 6	2,690.000	FT	\$13.08015	\$35,185.60

Total for Group 0400:\$1,136,111.44

Group 0700: LIGHTING

0086	625E00450 CONNECTION, FUSED PULL APART	28.000	EACH	\$73.83223	\$2,067.30
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<u>Description</u>					
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0087	625E00480	8.000	EACH	\$80.10605	\$640.85
CONNECTION, UNFUSED PERMANENT					
0088	625E10490	6.000	EACH	\$2,075.50882	\$12,453.05
LIGHT POLE, CONVENTIONAL AT08B30					
0089	625E10490	8.000	EACH	\$2,075.50882	\$16,604.07
LIGHT POLE, CONVENTIONAL AT14B30					
0090	625E14000	14.000	EACH	\$945.40710	\$13,235.70
LIGHT POLE FOUNDATION, 24" X 6' DEEP					
0091	625E23304	6,652.000	FT	\$1.39381	\$9,271.62
NO. 8 AWG 600 VOLT DISTRIBUTION CABLE					
0092	625E23400	1,160.000	FT	\$1.09762	\$1,273.24
NO. 10 AWG POLE AND BRACKET CABLE					
0093	625E25300	1,423.000	FT	\$7.39216	\$10,519.04
CONDUIT, 1-1/2", 725.04					
0094	625E25500	311.000	FT	\$14.40622	\$4,480.33
CONDUIT, 3", 725.04					
0095	625E26250	8.000	EACH	\$295.82519	\$2,366.60
LUMINAIRE, CONVENTIONAL 150 W, TYPE II DISTRIBUTION					
0096	625E26250	6.000	EACH	\$295.82519	\$1,774.95
LUMINAIRE, CONVENTIONAL 250 W, TYPE II DISTRIBUTION					
0097	625E29002	1,423.000	FT	\$5.62042	\$7,997.86
TRENCH, 24" DEEP					
0098	625E30700	10.000	EACH	\$681.47557	\$6,814.76
PULL BOX, 725.08, 18"					
0099	625E32000	14.000	EACH	\$166.77482	\$2,334.85
GROUND ROD					
0100	625E34001	2.000	EACH	\$2,400.00000	\$4,800.00
POWER SERVICE, AS PER PLAN					
0101	625E36000	1,423.000	FT	\$0.19638	\$279.45
PLASTIC CAUTION TAPE					

Total for Group 0700:\$96,913.67

Group 1100: TRAFFIC CONTROL

0102	620E60000	7.000	EACH	\$52.07516	\$364.53
DELINEATOR, POST SURFACE MOUNTED					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0103	621E00100 RPM	17.000	EACH	\$112.59716	\$1,914.15
0104	626E00100 BARRIER REFLECTOR	59.000	EACH	\$6.36082	\$375.29
0105	630E03101 GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	836.500	FT	\$12.00000	\$10,038.00
0106	630E08600 SIGN POST REFLECTOR	22.000	EACH	\$35.48836	\$780.74
0107	630E79604 SIGN SUPPORT ASSEMBLY, BRIDGE MOUNTED, TYPE 2	1.000	EACH	\$1,242.84887	\$1,242.85
0108	630E80100 SIGN, FLAT SHEET	365.300	SF	\$13.74798	\$5,022.14
0109	630E81100 SIGN ERECTED, FLAT SHEET	365.300	SF	\$2.74619	\$1,003.18
0110	630E84900 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	9.000	EACH	\$11.91647	\$107.25
0111	630E85000 REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	1.000	EACH	\$18.99942	\$19.00
0112	630E85100 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	2.000	EACH	\$44.22503	\$88.45
0113	630E86002 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	10.000	EACH	\$12.63986	\$126.40
0114	630E87500 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	7.000	EACH	\$26.96492	\$188.75
0115	630E97700 SIGNING, MISC.: REMOVAL OF SOLID WOOD POST	1.000	EACH	\$350.00000	\$350.00
0116	630E97900 SIGNING, MISC.: 4"x6" SOLID WOOD POST	15.200	FT	\$12.00000	\$182.40
0117	642E00090 EDGE LINE, 4"	1.610	MILE	\$874.94163	\$1,408.66
0118	642E00290 CENTER LINE	0.770	MILE	\$1,556.00122	\$1,198.12
0119	644E00601 CROSSWALK LINE, AS PER PLAN	260.000	FT	\$7.00000	\$1,820.00
0120	644E00700	144.000	FT	\$5.84846	\$842.18

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<u>Description</u>					
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TRANSVERSE/DIAGONAL LINE					
0121	644E01000	1.000	EACH	\$536.65644	\$536.66
RAILROAD SYMBOL MARKING					
0122	644E01300	8.000	EACH	\$95.52119	\$764.17
LANE ARROW					
0123	644E01520	306.000	FT	\$1.65860	\$507.53
DOTTED LINE, 12"					
0124	644E20800	113.000	FT	\$9.99511	\$1,129.45
YIELD LINE					

Total for Group 1100:\$30,009.90

Group 1300: LANDSCAPING

0125	661E00500	74.000	CY	\$68.85803	\$5,095.49
MULCH					
0126	661E12000	176.000	EACH	\$4.00000	\$704.00
GROUNDCOVER AND VINES, 1 YEAR, POTTED <i>SCHIZACHYRIUM SCOPARIUM - 'LITTILE BLUESTEM'</i>					
0127	661E30000	64.000	EACH	\$30.00000	\$1,920.00
EVERGREEN SHRUB, 12" HEIGHT <i>JUNIPERUS HORIZONTALIS - 'ANDORRA YOUNGSTOWN'</i>					
0128	661E31000	1,400.000	GAL	\$0.50000	\$700.00
LANDSCAPE WATERING					
0129	661E50160	6.000	EACH	\$500.00000	\$3,000.00
EVERGREEN TREE, 8' HEIGHT <i>TAXODIUM DISTICHUM - 'BALDCYPRESS'</i>					

Total for Group 1300:\$11,419.49

Group 1900: STRUCTURE 20 FOOT SPAN AND OVER (CTY-RTE-SECT or SFN)

0130	503E11100	1.000	LS	\$1,940,640.00000	\$1,940,640.00
COFFERDAMS AND EXCAVATION BRACING					
0131	503E21301	1.000	LS	\$4,000.00000	\$4,000.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
0132	505E11100	1.000	LS	\$35,000.00000	\$35,000.00
PILE DRIVING EQUIPMENT MOBILIZATION					
0133	507E00200	1,630.000	FT	\$33.43627	\$54,501.12
STEEL PILES HP12X53, FURNISHED					
0134	507E00250	1,360.000	FT	\$11.01136	\$14,975.45
STEEL PILES HP12X53, DRIVEN					
0135	509E10001	606,696.000	LB	\$1.05000	\$637,030.80

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EPOXY COATED REINFORCING STEEL, AS PER PLAN					
0136	511E21523	1,060.000	CY	\$700.00000	\$742,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN					
0137	511E33418	93.000	CY	\$1,000.00000	\$93,000.00
CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE					
0138	511E34450	152.000	CY	\$575.00000	\$87,400.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
0139	511E41013	499.000	CY	\$850.00000	\$424,150.00
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS, AS PER P LAN					
0140	511E43512	409.000	CY	\$428.70463	\$175,340.19
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING					
0141	511E51512	205.000	CY	\$350.00000	\$71,750.00
CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK					
0142	512E10100	5,528.000	SY	\$14.82093	\$81,930.10
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0143	512E33000	1.000	SY	\$64.65971	\$64.66
TYPE 2 WATERPROOFING					
0144	513E10201	9,389.000	LB	\$8.75000	\$82,153.75
STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN					
0145	515E15130	32.000	EACH	\$45,000.00000	\$1,440,000.00
DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LE VEL 3, TYPE WF72-49					
0146	515E20001	72.000	EACH	\$1,463.00000	\$105,336.00
INTERMEDIATE DIAPHRAGMS, AS PER PLAN					
0147	516E12400	78.000	FT	\$2,000.00000	\$156,000.00
SPECIAL - MODULAR EXPANSION JOINT					
0148	516E13600	115.000	SF	\$6.58000	\$756.70
1" PREFORMED EXPANSION JOINT FILLER					
0149	516E13800	126.000	SF	\$8.00000	\$1,008.00
1-1/2" PREFORMED EXPANSION JOINT FILLER					
0150	516E44100	52.000	EACH	\$847.26003	\$44,057.52
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 15"x41"x2"					
0151	516E44100	4.000	EACH	\$847.26003	\$3,389.04
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 15"x41"x2.1875"					
0152	516E44200	8.000	EACH	\$1,126.14789	\$9,009.18
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 15.5"x41"x2"					

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0153	517E75120	1,008.000	FT	\$132.72581	\$133,787.62
RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING)					
0154	518E12001	8.000	EACH	\$1,300.00000	\$10,400.00
SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN					
0155	518E21200	189.000	CY	\$67.42691	\$12,743.69
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0156	518E40000	137.000	FT	\$7.18761	\$984.70
6" PERFORATED CORRUGATED PLASTIC PIPE					
0157	518E40010	56.000	FT	\$17.49923	\$979.96
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0158	518E43300	25.000	FT	\$360.00000	\$9,000.00
6" PIPE DOWNSPOUT, INCLUDING SPECIALS					
0159	524E94935	231.000	FT	\$800.00000	\$184,800.00
DRILLED SHAFTS, 66" DIAMETER, INTO BEDROCK, AS PER PLAN					
0160	524E94947	104.000	FT	\$3,000.00000	\$312,000.00
DRILLED SHAFTS, 72" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0161	524E95100	1.000	EACH	\$70,000.00000	\$70,000.00
DRILLED SHAFTS, MISC.: DRILLED SHAFT OSTERBERG LOAD TEST, AS PER PLAN					
0162	526E30001	265.000	SY	\$202.00000	\$53,530.00
REINFORCED CONCRETE APPROACH SLABS (T=17"), AS PER PLAN					
0163	526E90010	81.000	FT	\$240.00000	\$19,440.00
TYPE A INSTALLATION					
0164	601E32210	615.000	CY	\$77.96662	\$47,949.47
ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER					
0165	611E04600	784.000	FT	\$44.87220	\$35,179.80
12" CONDUIT, TYPE C 707.45					
0166	846E00110	81.000	CF	\$338.72090	\$27,436.39
POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					

Total for Group 1900:\$7,121,724.14

Group 2100: MAINTENANCE OF TRAFFIC

0167	410E12000	100.000	CY	\$40.41903	\$4,041.90
TRAFFIC COMPACTED SURFACE, TYPE A OR B					
0168	614E12336	4.000	EACH	\$2,556.46300	\$10,225.85
WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0169	614E12420 DETOUR SIGNING	1.000	LS	\$10,000.00000	\$10,000.00
0170	614E13302 BARRIER REFLECTOR, TYPE B2	24.000	EACH	\$9.08915	\$218.14
0171	614E13360 OBJECT MARKER, TWO WAY	24.000	EACH	\$13.88205	\$333.17
0172	614E21200 WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	0.370	MILE	\$11,495.08038	\$4,253.18
0173	614E22100 WORK ZONE EDGE LINE, CLASS I, 642 PAINT	0.540	MILE	\$1,992.70639	\$1,076.06
0174	615E20000 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	239.000	SY	\$61.99330	\$14,816.40
0175	616E10000 WATER	230.000	MGAL	\$49.21383	\$11,319.18
0176	622E41000 PORTABLE BARRIER, 32"	1,070.000	FT	\$19.22072	\$20,566.17

Total for Group 2100:\$76,850.05

Group 2300: INCIDENTALS

0177	103E05000 PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	1.000	LS	\$50,000.00000	\$50,000.00
0178	614E11000 MAINTAINING TRAFFIC	1.000	LS	\$200,000.00000	\$200,000.00
0179	619E16020 FIELD OFFICE, TYPE C	24.000	MNTH	\$2,688.84108	\$64,532.19
0180	623E10000 CONSTRUCTION LAYOUT STAKES AND SURVEYING	1.000	LS	\$40,000.00000	\$40,000.00
0181	624E10000 MOBILIZATION	1.000	LS	\$200,000.00000	\$200,000.00

Total for Group 2300:\$554,532.19