



**TRANSPORTATION CABINET**

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

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

October 19, 2011

CALL NO. 103  
CONTRACT ID NO. 111342  
ADDENDUM # 2

Subject: Barren County, IM-NH 0652 (081)  
Letting October 21, 2011

- (1) Revised - Plan Sheet - R2J
- (2) Revised - Bid Items - Pages 186-196 of 196

Proposal revisions are available at <http://transportation.ky.gov/contract/>.  
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:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## GENERAL SUMMARY

|           |          |           |
|-----------|----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| BARREN    | 3-13.11  | R2J       |

| ITEM       | DESCRIPTION                                    | UNIT    | 1-65 NB                          | 1-65 SB                          | 1-65                             | KY70/<br>KY90 | RAMP A | RAMP B | RAMP C | RAMP D | PROJECT<br>TOTALS |
|------------|--|---------|----------------------------------|----------------------------------|----------------------------------|---------------|--------|--------|--------|--------|-------------------|
|            |  |         | STA. 1830+00<br>TO<br>1972+27.24 | STA. 1830+00<br>TO<br>1931+47.61 | STA. 2692+80<br>TO<br>2790+36.56 |               |        |        |        |        |                   |
| 2705       | SILT TRAP TYPE C                               | EACH    | 35                               |                                  | 90                               |               |        |        |        |        | 125               |
| 2706       | CLEAN SILT TRAP TYPE A ⑬                       | EACH    | 444                              |                                  | 540                              |               |        |        |        |        | 984               |
| 2707       | CLEAN SILT TRAP TYPE B ⑬                       | EACH    | 148                              |                                  | 540                              |               |        |        |        |        | 688               |
| 2708       | CLEAN SILT TRAP TYPE C ⑬                       | EACH    | 105                              |                                  | 270                              |               |        |        |        |        | 375               |
| 2709       | CLEAN TEMPORARY SILT FENCE ⑬                   | LF      | 42,681                           |                                  | 69,447                           |               |        |        |        |        | 112,128           |
| 2720       | SIDEWALK - 4 IN CONCRETE                       | SOYD    |                                  |                                  |                                  | 135           |        |        |        |        | 135               |
| 2726       | STAKING  | LS      |                                  |                                  |                                  |               |        |        |        |        | 1                 |
| 2731       | REMOVE STRUCTURE ④                             | LS      |                                  |                                  |                                  | 1             |        |        |        |        | 1                 |
| 2775       | ARROW PANEL                                    | EACH    | 2                                | 2                                |                                  |               |        |        |        |        | 4                 |
| 2894       | CRASH CUSHION TYPE VI-T                        | EACH    |                                  |                                  |                                  | 2             |        |        |        |        | 2                 |
| 2898       | RELOCATE CRASH CUSHION                         | EACH    | 3                                |                                  | 4                                | 2             |        |        |        |        | 9                 |
| 3171       | CONCRETE BARRIER WALL TYPE 9T ⑩                | LF      | 13,090                           | 10,150                           | 22,580                           |               |        |        |        |        | 45,820            |
| 3225       | TUBULAR MARKERS                                | EACH    | 24                               | 24                               | 48                               |               |        |        |        |        | 96                |
| 3262       | CLEAN PIPE STRUCTURE ⑤                         | EACH    | 16                               | 11                               | 16                               |               |        |        |        |        | 43                |
| 3287       | SIDEWALK RAMP TYPE I                           | EACH    |                                  |                                  |                                  | 2             |        |        |        |        | 2                 |
| 5950       | EROSION CONTROL BLANKET                        | SOYD    | 5,900                            | 3,900                            | 16,445                           | 1,113         | 95     |        | 1,167  |        | 28,620            |
| 5952       | TEMPORARY MULCH                                | SOYD    | 1,059,960                        |                                  | 1,291,050                        |               |        |        |        |        | 2,351,010         |
| 5953       | TEMPORARY SEEDING AND PROTECTION               | SOYD    | 105,996                          |                                  | 129,105                          |               |        |        |        |        | 235,101           |
| 5966       | TOPDRESSING FERTILIZER                         | TON     | 18.3                             |                                  | 22.3                             |               |        |        |        |        | 40.6              |
| 5985       | SEEDING AND PROTECTION                         | SOYD    | 353,320                          |                                  | 430,350                          |               |        |        |        |        | 783,670           |
| 6417       | FLEXIBLE DELINEATOR POST - W                   | EACH    | 180                              |                                  | 50                               |               | 23     | 14     | 18     | 15     | 300               |
| 6418       | FLEXIBLE DELINEATOR POST - Y                   | EACH    | 80                               |                                  |                                  |               | 23     | 14     | 18     | 15     | 150               |
| 6511       | PAVE STRIPING - TEMP PAINT - 6 IN              | LF      | 126,600                          | 48,000                           | 250,484                          | 6,990         | 8,058  | 4,292  | 6,429  | 5,243  | 456,096           |
| 6514       | PAVE STRIPING - PERM PAINT - 4 IN              | LF      |                                  |                                  |                                  | 9,539         |        |        |        |        | 9,539             |
| 6550       | PAVE STRIPING - TEMP REM - TAPE W              | LF      | 3,000                            | 4,800                            |                                  |               |        |        |        |        | 7,800             |
| 6551       | PAVE STRIPING - TEMP REM - TAPE Y              | LF      | 2,400                            | 4,200                            |                                  |               |        |        |        |        | 6,600             |
| 6567       | PAVE MARKING - THERMO STOP BAR - 12 IN         | LF      |                                  |                                  |                                  | 47            |        |        |        |        | 47                |
| 6568       | PAVE MARKING - THERMO STOP BAR-24 IN           | LF      |                                  |                                  |                                  |               | 50     |        | 53     |        | 103               |
| 6570       | PAVE MARKING - PAINT CROSS HATCH - TEMP        | SOFT    | 520                              | 520                              | 484                              |               |        |        |        |        | 1,524             |
| 6570       | PAVE MARKING - PAINT CROSS HATCH - PERM        | SOFT    |                                  |                                  |                                  | 9,030         | 16,828 |        | 10,789 |        | 36,647            |
| 6574       | PAVE MARKING-PREF THERM CURV ARROW             | EACH    |                                  |                                  |                                  | 11            | 8      |        | 6      |        | 25                |
| 6586       | PAVEMENT MARKER TYPE IV-A - MY TEMP            | EACH    |                                  |                                  | 31                               |               |        |        |        |        | 31                |
| 6591       | PAVEMENT MARKER TYPE V BY                      | EACH    |                                  |                                  |                                  | 28            |        |        |        |        | 28                |
| 6592       | PAVEMENT MARKER TYPE V-B W/R                   | EACH    | 702                              | 254                              | 652                              |               | 11     | 9      | 6      | 8      | 1,642             |
| 6593       | PAVEMENT MARKER TYPE V-B Y/R                   | EACH    | 351                              | 127                              | 326                              |               | 35     | 37     | 23     | 25     | 924               |
| 24255EC    | REMOVE CABLE GUARDRAIL BARRIER SYSTEM ⑮        | LF      |                                  |                                  | 8,160                            |               |        |        |        |        | 8,160             |
| 6600       | REMOVE PAVEMENT MARKER TYPE V                  | EACH    | 300                              | 127                              | 326                              |               |        |        |        |        | 753               |
| 8100       | CLASS "A" CONCRETE ③                           | CUYD    | 9.33                             | 5.55                             | 3.03                             | 1.86          | 5.18   |        |        |        | 24.95             |
| 8150       | STEEL REINFORCING ③                            | LB      | 520                              | 264                              | 149                              | 16            | 11,470 |        |        |        | 12,419            |
| 1003ONS    | ASPHALT ADJUSTMENT                             | DOLLARS |                                  |                                  |                                  |               |        |        |        |        | 604,889           |
| 20315ED    | CLAY SOIL CAP ④                                | CUYD    | 280                              |                                  | 112                              | 107           | 4      |        |        |        | 503               |
| 2003       | RELOCATE CONC BARRIER WALL ⑩                   | LF      | 66,421                           | 40,364                           | 89,450                           |               |        |        |        |        | 196,235           |
| 21370ED    | LONGITUDINAL SAW CUT - 6 INCH                  | LF      | 18,562                           | 10,150                           | 26,040                           |               |        |        |        |        | 54,752            |
| 23143ED    | KY PERMIT & TEMP EROSION CONTROL               | LS      |                                  |                                  |                                  |               |        |        |        |        | 1                 |
| 21430ES508 | CONCRETE MEDIAN BARRIER TYPE 12C (50) ⑪        | LF      | 4,112                            |                                  | 12,545                           |               |        |        |        |        | 16,657            |
| 21597EN    | REMOVE PERFORATED PIPE HEADWALL                | EACH    | 4                                | 12                               | 20                               |               |        |        |        |        | 36                |
| 21802EN    | GUARDRAIL - STEEL W BEAM - S FACE - 7' POSTS ⑦ | LF      | 7,181                            | 4,988                            | 8,112                            | 1,903         | 2,121  | 1,652  | 1,736  | 1,030  | 28,723            |
| 23237EN10W | WATERBLAST STRIPE REMOVAL                      | LF      | 70,260                           | 23,340                           | 159,840                          |               |        |        |        |        | 253,440           |
| 24189ER    | DURABLE WATERBORNE MARKING - 6 IN W            | LF      | 28,500                           | 15,222                           | 34,232                           |               | 3,385  | 2,877  | 1,820  | 2,428  | 88,464            |
| 24190ER    | DURABLE WATERBORNE MARKING - 6 IN Y            | LF      | 14,500                           | 10,150                           | 26,040                           |               | 1,400  | 1,412  | 890    | 982    | 55,374            |
| 24191ER    | DURABLE WATERBORNE MARKING - 12 IN W           | LF      |                                  |                                  | 1,398                            |               | 272    | 202    | 110    | 245    | 2,227             |
| 22883EN    | CONCRETE WEDGE CURB                            | LF      |                                  |                                  |                                  | 58            | 524    | 1,163  | 620    | 969    | 3,334             |
| 23131ER70I | PIPELINE VIDEO INSPECTION ⑫                    | LF      | 2,025                            |                                  | 441                              | 39            | 35     |        |        |        | 2,540             |
| 23274EN1IF | TURF REINFORCEMENT MAT TY-1                    | SOYD    | 10,300                           | 9,750                            | 11,811                           | 514           | 1,142  | 770    | 513    | 1,107  | 35,907            |
| 23394EC    | CRASH CUSHION TY VI CLASS C TL3-1              | EACH    | 3                                |                                  | 5                                |               |        |        |        |        | 8                 |
| 23545EC    | CLEAN ENHANCED SILT TRAP ⑬                     | EACH    | 75                               | 39                               | 111                              | 6             | 18     | 12     | 18     | 12     | 291               |
| 1002ONS    | FUEL ADJUSTMENT                                | DOLLAR  |                                  |                                  |                                  |               |        |        |        |        | 476,837           |
| 24277EC    | FLUSH SEDIMENT ⑰                               | LS      |                                  |                                  |                                  |               |        |        |        |        | 1                 |
| 2469       | CLEAN SINKHOLE                                 | EACH    | 15                               | 10                               | 11                               |               |        |        |        |        | 36                |
| 20411ED    | LAW ENFORCEMENT OFFICER ⑱                      | HOURL   |                                  |                                  |                                  |               |        |        |        |        | 750               |
| 20509ED    | BLOW UP/RELIEF JOINT ⑱                         | SOYD    |                                  |                                  |                                  |               |        |        |        |        | 362               |

**NOTES:**

- ① - ⑧ SEE SHEET R2L
- ⑨ THE PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL AFTER THE CPM SCHEDULE IS SUBMITTED
- ⑩ THE EXISTING TEMPORARY BARRIER WALL LOCATED ALONG THE INSIDE LANE OF NORTHBOUND I-65 (M.P. 49.9 TO 52.34) WILL BE UTILIZED TO MAINTAIN TRAFFIC DURING CONSTRUCTION. A QUANTITY (12,877 L.F.) FOR RELOCATING THIS EXISTING BARRIER WALL FOR M.O.T. PHASE I THROUGH THESE LIMITS IS INCLUDED WITH RELOCATE CONC. BARRIER WALL. THE QUANTITIES SHOWN FOR ITEM 3171 ARE THE AMOUNT OF TEMPORARY CONCRETE BARRIER WALL THE CONTRACTOR WILL BE REQUIRED TO FURNISH AFTER CONSTRUCTION IS COMPLETE THE BARRIER WALL WILL BE HAULED AND STORED AT THE REST AREA ON I-65 IN HART COUNTY (M.P. 55.00). 1500 L.F. WILL BE PLACED ALONG THE INSIDE NORTHBOUND LANE OF I-65 AT THE NORTH TERMINUS OF THIS PROJECT. A QUANTITY OF 1400 L.F. OF WALL IS INCLUDED WITH THE TOTALS FOR USE ON KY 70/90.
- ⑪ 7986' TO BE ASYMMETRICAL MEDIAN BARRIER. SEE DETAILS ON SHEETS R86 - R95.
- ⑫ 50% OF THE TOTAL LINEAR FEET OF ALL INSTALLED PIPE REGARDLESS OF MATERIAL TYPE (SEE SUPPLEMENTAL SPECIFICATIONS)
- ⑬ CLEAN PERMANENT CONTAINMENT FEATURE. BASED ON 3 CLEANING PER CONSTRUCTION SEASON, 2 CONSTRUCTION SEASON.
- ⑭ INCLUDES 29,007 CY FOR EMB FND BENCH & 4,644 C.Y. TRAVERSE BENCHING.
- ⑮ REMOVE AND SALVAGE THE EXISTING CABLE BARRIER AND POST, AND DELIVER TO THE HART COUNTY MAINTENANCE FACILITY.
- ⑯ SEE NOTE ON SHEET R104
- ⑰ THE CONTRACTOR IS TO FLUSH SEDIMENT FROM THE DRAINAGE BLANKET LAYER PRIOR TO CONSTRUCTING THE FINAL COURSES OF PAVEMENT. SEE SHEET R109 FOR DETAILS AND LOCATIONS.
- ⑱ BLOW UP/RELIEF JOINTS TO BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET R2h
- ④ LT. STA. 115+89 KY 70/90 BRIDGE OVER I-65

FOR PAVING QUANTITIES -  
SEE PAVING SUMMARY SHEET

FOR PIPE DRAINAGE QUANTITIES -  
SEE PIPE DRAINAGE SUMMARY SHEETS

**GENERAL SUMMARY  
I-65 WIDENING**

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$design\$file\$specification\$\$\$  
 E-SHEET NAME: \_\_\_\_\_

# GENERAL SUMMARY

|           |          |           |
|-----------|----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| BARREN    | 3-13.11  | R2J       |

⚠ REVISÉD 10-18-11

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FOR PAVING QUANTITIES -  
SEE PAVING SUMMARY SHEET

FOR PIPE DRAINAGE QUANTITIES -  
SEE PIPE DRAINAGE SUMMARY SHEETS

**GENERAL SUMMARY  
I-65 WIDENING**

| ITEM       | DESCRIPTION                                    | UNIT    | 1-65 NB                          | 1-65 SB                          | 1-65                             | KY70/<br>KY90 | RAMP A | RAMP B | RAMP C | RAMP D | PROJECT<br>TOTALS |
|------------|--|---------|----------------------------------|----------------------------------|----------------------------------|---------------|--------|--------|--------|--------|-------------------|
|            |  |         | STA. 1830+00<br>TO<br>1972+27.24 | STA. 1830+00<br>TO<br>1931+47.61 | STA. 2692+80<br>TO<br>2790+36.56 |               |        |        |        |        |                   |
| 2705       | SILT TRAP TYPE C                               | EACH    | 35                               |                                  | 90                               |               |        |        |        |        | 125               |
| 2706       | CLEAN SILT TRAP TYPE A ⑬                       | EACH    | 444                              |                                  | 540                              |               |        |        |        |        | 984               |
| 2707       | CLEAN SILT TRAP TYPE B ⑬                       | EACH    | 148                              |                                  | 540                              |               |        |        |        |        | 688               |
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| 2709       | CLEAN TEMPORARY SILT FENCE ⑬                   | LF      | 42,681                           |                                  | 69,447                           |               |        |        |        |        | 112,128           |
| 2720       | SIDEWALK - 4 IN CONCRETE                       | SOYD    |                                  |                                  |                                  | 135           |        |        |        |        | 135               |
| 2726       | STAKING  | LS      |                                  |                                  |                                  |               |        |        |        |        | 1                 |
| 2731       | REMOVE STRUCTURE ④                             | LS      |                                  |                                  |                                  | 1             |        |        |        |        | 1                 |
| 2775       | ARROW PANEL                                    | EACH    | 2                                | 2                                |                                  |               |        |        |        |        | 4                 |
| 2894       | CRASH CUSHION TYPE VI-T                        | EACH    |                                  |                                  |                                  | 2             |        |        |        |        | 2                 |
| 2898       | RELOCATE CRASH CUSHION                         | EACH    | 3                                | 4                                |                                  | 2             |        |        |        |        | 9                 |
| 3171       | CONCRETE BARRIER WALL TYPE 9T ⑩                | LF      | 13,090                           | 10,150                           | 22,580                           |               |        |        |        |        | 45,820            |
| 3225       | TUBULAR MARKERS                                | EACH    | 24                               | 24                               | 48                               |               |        |        |        |        | 96                |
| 3262       | CLEAN PIPE STRUCTURE ⑤                         | EACH    | 16                               | 11                               | 16                               |               |        |        |        |        | 43                |
| 3287       | SIDEWALK RAMP TYPE I                           | EACH    |                                  |                                  |                                  | 2             |        |        |        |        | 2                 |
| 5950       | EROSION CONTROL BLANKET                        | SOYD    | 5,900                            | 3,900                            | 16,445                           | 1,113         | 95     |        | 1,167  |        | 28,620            |
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| 21802EN    | GUARDRAIL - STEEL W BEAM - S FACE - 7' POSTS ⑦ | LF      | 7,181                            | 4,988                            | 8,112                            | 1,903         | 2,121  | 1,652  | 1,736  | 1,030  | 28,723            |
| 23237EN10W | WATERBLAST STRIPE REMOVAL                      | LF      | 70,260                           | 23,340                           | 159,840                          |               |        |        |        |        | 253,440           |
| 24189ER    | DURABLE WATERBORNE MARKING - 6 IN W            | LF      | 28,500                           | 15,222                           | 34,232                           |               | 3,385  | 2,877  | 1,820  | 2,428  | 88,464            |
| 24190ER    | DURABLE WATERBORNE MARKING - 6 IN Y            | LF      | 14,500                           | 10,150                           | 26,040                           |               | 1,400  | 1,412  | 890    | 982    | 55,374            |
| 24191ER    | DURABLE WATERBORNE MARKING - 12 IN W           | LF      |                                  |                                  | 1,398                            |               | 272    | 202    | 110    | 245    | 2,227             |
| 22883EN    | CONCRETE WEDGE CURB                            | LF      |                                  |                                  |                                  | 58            | 524    | 1,163  | 620    | 969    | 3,334             |
| 23131ER70I | PIPELINE VIDEO INSPECTION ⑫                    | LF      | 2,025                            |                                  | 441                              | 39            | 35     |        |        |        | 2,540             |
| 23274EN1IF | TURF REINFORCEMENT MAT TY-1                    | SOYD    | 10,300                           | 9,750                            | 11,811                           | 514           | 1,142  | 770    | 513    | 1,107  | 35,907            |
| 23394EC    | CRASH CUSHION TY VI CLASS C TL3-1              | EACH    | 3                                |                                  | 5                                |               |        |        |        |        | 8                 |
| 23545EC    | CLEAN ENHANCED SILT TRAP ⑬                     | EACH    | 75                               | 39                               | 111                              | 6             | 18     | 12     | 18     | 12     | 291               |
| 1002ONS    | FUEL ADJUSTMENT                                | DOLLAR  |                                  |                                  |                                  |               |        |        |        |        | 476,837           |
| 24277EC    | FLUSH SEDIMENT ⑰                               | LS      |                                  |                                  |                                  |               |        |        |        |        | 1                 |
| 2469       | CLEAN SINKHOLE                                 | EACH    | 15                               | 10                               | 11                               |               |        |        |        |        | 36                |
| 20411ED    | LAW ENFORCEMENT OFFICER ⑱                      | HOURL   |                                  |                                  |                                  |               |        |        |        |        | 750               |
| 20509ED    | BLOW UP/RELIEF JOINT ⑱                         | SOYD    |                                  |                                  |                                  |               |        |        |        |        | 362               |

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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 FILE NAME: \$\$\$design\$file\$specification\$\$\$  
 E-SHEET NAME: \_\_\_\_\_

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| SECTION 0001 PAVING  |       |  |                      |      |            |        |
| 0010                 | 00001 | DGA BASE                                 | 97,037.000           | TON  |            |        |
| 0020                 | 00008 | CEMENT STABILIZED ROADBED                | 168,530.000          | SQYD |            |        |
| 0030                 | 00018 | DRAINAGE BLANKET-TYPE II-ASPH            | 115,922.000          | TON  |            |        |
| 0040                 | 00078 | CRUSHED AGGREGATE SIZE NO 2              | 12,420.000           | TON  |            |        |
| 0050                 | 00100 | ASPHALT SEAL AGGREGATE                   | 779.000              | TON  |            |        |
| 0060                 | 00190 | LEVELING & WEDGING PG64-22               | 28,584.000           | TON  |            |        |
| 0070                 | 00214 | CL3 ASPH BASE 1.00D PG64-22              | 80,673.000           | TON  |            |        |
| 0080                 | 00217 | CL4 ASPH BASE 1.00D PG64-22              | 52,890.000           | TON  |            |        |
| 0090                 | 00219 | CL4 ASPH BASE 1.00D PG76-22              | 55,414.000           | TON  |            |        |
| 0100                 | 00103 | ASPHALT SEAL COAT<br>(REVISED: 10-10-11) | 96.000               | TON  |            |        |
| 0110                 | 00312 | CL3 ASPH SURF 0.50D PG64-22              | 11,922.000           | TON  |            |        |
| 0120                 | 00335 | CL4 ASPH SURF 0.50A PG76-22              | 20,483.000           | TON  |            |        |
| 0130                 | 00358 | ASPHALT CURING SEAL                      | 240.000              | TON  |            |        |
| 0140                 | 02542 | CEMENT                                   | 3,274.000            | TON  |            |        |
| 0150                 | 02598 | FABRIC-GEOTEXTILE TYPE III               | 9,300.000            | SQYD |            |        |
| 0160                 | 02677 | ASPHALT PAVE MILLING & TEXTURING         | 7,211.000            | TON  |            |        |
| 0170                 | 02702 | SAND FOR BLOTTER                         | 420.000              | TON  |            |        |
| SECTION 0002 ROADWAY |       |  |                      |      |            |        |
| 0180                 | 00071 | CRUSHED AGGREGATE SIZE NO 57             | 358.000              | TON  |            |        |
| 0190                 | 00078 | CRUSHED AGGREGATE SIZE NO 2              | 258.000              | TON  |            |        |

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|---------|-------|-------------------------------------|----------------------|------|------------|--------|
| 0200    | 01000 | PERFORATED PIPE-4 IN                | 66,387.000           | LF   |            |        |
| 0210    | 01001 | PERFORATED PIPE-6 IN                | 18,275.000           | LF   |            |        |
| 0220    | 01010 | NON-PERFORATED PIPE-4 IN            | 2,940.000            | LF   |            |        |
| 0230    | 01011 | NON-PERFORATED PIPE-6 IN            | 234.000              | LF   |            |        |
| 0240    | 01015 | INSPECT & CERTIFY EDGE DRAIN SYSTEM | ( 1.00)              | LS   |            |        |
| 0250    | 01020 | PERF PIPE HEADWALL TY 1-4 IN        | 37.000               | EACH |            |        |
| 0260    | 01024 | PERF PIPE HEADWALL TY 2-4 IN        | 6.000                | EACH |            |        |
| 0270    | 01028 | PERF PIPE HEADWALL TY 3-4 IN        | 29.000               | EACH |            |        |
| 0280    | 01032 | PERF PIPE HEADWALL TY 4-4 IN        | 74.000               | EACH |            |        |
| 0290    | 01310 | REMOVE PIPE                         | 1,126.000            | LF   |            |        |
| 0300    | 01584 | CAP DROP BOX INLET                  | 5.000                | EACH |            |        |
| 0310    | 01690 | FLUME INLET TYPE 1                  | 3.000                | EACH |            |        |
| 0320    | 01691 | FLUME INLET TYPE 2                  | 3.000                | EACH |            |        |
| 0330    | 01706 | REMOVE CATCH BASIN                  | 30.000               | EACH |            |        |
| 0340    | 01741 | CORED HOLE DRAINAGE BOX CON-6 IN    | 38.000               | EACH |            |        |
| 0350    | 01810 | STANDARD CURB AND GUTTER            | 211.000              | LF   |            |        |
| 0360    | 01982 | DELINEATOR FOR GUARDRAIL-WHITE      | 208.000              | EACH |            |        |
| 0370    | 01983 | DELINEATOR FOR GUARDRAIL-YELLOW     | 60.000               | EACH |            |        |
| 0380    | 01984 | DELINEATOR FOR BARRIER-WHITE        | 814.000              | EACH |            |        |
| 0390    | 01985 | DELINEATOR FOR BARRIER-YELLOW       | 1,378.000            | EACH |            |        |
| 0400    | 02001 | CURB TO BARRIER WALL TRANS          | 2.000                | EACH |            |        |

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|---------|-------|--|----------------------|------|------------|--------|
| 0410    | 02014 | BARRICADE-TYPE III                     | 10.000               | EACH |            |        |
| 0420    | 02159 | TEMP DITCH                             | 37,376.000           | LF   |            |        |
| 0430    | 02160 | CLEAN TEMP DITCH                       | 37,376.000           | LF   |            |        |
| 0440    | 02165 | REMOVE PAVED DITCH                     | 2,076.000            | SQYD |            |        |
| 0450    | 02200 | ROADWAY EXCAVATION                     | 435,141.000          | CUYD |            |        |
| 0460    | 02223 | GRANULAR EMBANKMENT                    | 680.000              | CUYD |            |        |
| 0470    | 02237 | DITCHING                               | 5,390.000            | LF   |            |        |
| 0480    | 02259 | FENCE-TEMP                             | 25,479.000           | LF   |            |        |
| 0490    | 02262 | FENCE-WOVEN WIRE TYPE 1                | 57,972.000           | LF   |            |        |
| 0500    | 02265 | REMOVE FENCE                           | 57,968.000           | LF   |            |        |
| 0510    | 02367 | GUARDRAIL END TREATMENT TYPE 1         | 22.000               | EACH |            |        |
| 0520    | 02369 | GUARDRAIL END TREATMENT TYPE 2A        | 26.000               | EACH |            |        |
| 0530    | 02378 | GUARDRAIL CONNECTOR TO BRIDGE END TY D | 4.000                | EACH |            |        |
| 0540    | 02381 | REMOVE GUARDRAIL                       | 34,135.000           | LF   |            |        |
| 0550    | 02383 | REMOVE & RESET GUARDRAIL               | 500.000              | LF   |            |        |
| 0560    | 02391 | GUARDRAIL END TREATMENT TYPE 4A        | 3.000                | EACH |            |        |
| 0570    | 02429 | RIGHT-OF-WAY MONUMENT TYPE 1           | 4.000                | EACH |            |        |
| 0580    | 02432 | WITNESS POST                           | 4.000                | EACH |            |        |
| 0590    | 02469 | CLEAN SINKHOLE                         | 36.000               | EACH |            |        |
| 0600    | 02483 | CHANNEL LINING CLASS II                | 2,169.000            | TON  |            |        |
| 0610    | 02484 | CHANNEL LINING CLASS III               | 380.000              | TON  |            |        |

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|---------|-------|--------------------------------------|----------------------|------|------------|-----------|
| 0620    | 02545 | CLEARING AND GRUBBING<br>(120 ACRES) | ( 1.00)              | LS   |            |           |
| 0630    | 02555 | CONCRETE-CLASS B                     | 92.000               | CUYD |            |           |
| 0640    | 02562 | SIGNS                                | 448.000              | SQFT |            |           |
| 0650    | 02570 | PROJECT CPM SCHEDULE                 | ( 1.00)              | LS   |            |           |
| 0660    | 02585 | EDGE KEY                             | 172.000              | LF   |            |           |
| 0670    | 02596 | FABRIC-GEOTEXTILE TYPE I             | 5,375.000            | SQYD |            |           |
| 0680    | 02599 | FABRIC-GEOTEXTILE TYPE IV            | 1,681.000            | SQYD |            |           |
| 0690    | 02600 | FABRIC GEOTEXTILE TY IV FOR PIPE     | 13,862.000           | SQYD | 2.00       | 27,724.00 |
| 0700    | 02625 | REMOVE HEADWALL                      | 47.000               | EACH |            |           |
| 0710    | 02650 | MAINTAIN & CONTROL TRAFFIC           | ( 1.00)              | LS   |            |           |
| 0720    | 02671 | PORTABLE CHANGEABLE MESSAGE SIGN     | 6.000                | EACH |            |           |
| 0730    | 02676 | MOBILIZATION FOR MILL & TEXT         | ( 1.00)              | LS   |            |           |
| 0740    | 02690 | SAFELOADING                          | 14.200               | CUYD |            |           |
| 0750    | 02696 | SHOULDER RUMBLE STRIPS-SAWED         | 108,988.000          | LF   |            |           |
| 0760    | 02701 | TEMP SILT FENCE                      | 37,376.000           | LF   |            |           |
| 0770    | 02703 | SILT TRAP TYPE A                     | 328.000              | EACH |            |           |
| 0780    | 02704 | SILT TRAP TYPE B                     | 253.000              | EACH |            |           |
| 0790    | 02705 | SILT TRAP TYPE C                     | 125.000              | EACH |            |           |
| 0800    | 02706 | CLEAN SILT TRAP TYPE A               | 984.000              | EACH |            |           |
| 0810    | 02707 | CLEAN SILT TRAP TYPE B               | 688.000              | EACH |            |           |
| 0820    | 02708 | CLEAN SILT TRAP TYPE C               | 375.000              | EACH |            |           |

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| 0830    | 02709 | CLEAN TEMP SILT FENCE                                | 112,128.000          | LF   |            |        |
| 0840    | 02720 | SIDEWALK-4 IN CONCRETE                               | 135.000              | SQYD |            |        |
| 0850    | 02726 | STAKING  | ( 1.00)              | LS   |            |        |
| 0860    | 02731 | REMOVE STRUCTURE                                     | ( 1.00)              | LS   |            |        |
| 0870    | 02775 | ARROW PANEL  | 4.000                | EACH |            |        |
| 0880    | 02894 | CRASH CUSHION TYPE VI-T                              | 2.000                | EACH |            |        |
| 0890    | 02898 | RELOCATE CRASH CUSHION                               | 9.000                | EACH |            |        |
| 0910    | 03171 | CONCRETE BARRIER WALL TYPE 9T<br>(REVISED: 10-19-11) | 45,820.000           | LF   |            |        |
| 0920    | 03225 | TUBULAR MARKERS                                      | 96.000               | EACH |            |        |
| 0930    | 03262 | CLEAN PIPE STRUCTURE                                 | 43.000               | EACH |            |        |
| 0940    | 03287 | SIDEWALK RAMP TYPE 1                                 | 2.000                | EACH |            |        |
| 0950    | 05950 | EROSION CONTROL BLANKET                              | 28,620.000           | SQYD |            |        |
| 0960    | 05952 | TEMP MULCH   | 2,351,010.000        | SQYD |            |        |
| 0970    | 05953 | TEMP SEEDING AND PROTECTION                          | 235,101.000          | SQYD |            |        |
| 0980    | 05966 | TOPDRESSING FERTILIZER                               | 40.600               | TON  |            |        |
| 0990    | 05985 | SEEDING AND PROTECTION                               | 783,670.000          | SQYD |            |        |
| 1000    | 06417 | FLEXIBLE DELINEATOR POST-W                           | 300.000              | EACH |            |        |
| 1010    | 06418 | FLEXIBLE DELINEATOR POST-Y                           | 150.000              | EACH |            |        |
| 1020    | 06511 | PAVE STRIPING-TEMP PAINT-6 IN                        | 456,096.000          | LF   |            |        |
| 1030    | 06514 | PAVE STRIPING-PERM PAINT-4 IN                        | 9,539.000            | LF   |            |        |
| 1040    | 06550 | PAVE STRIPING-TEMP REM TAPE-W                        | 7,800.000            | LF   |            |        |



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| 1050    | 06551     | PAVE STRIPING-TEMP REM TAPE-Y                     | 6,600.000            | LF    |            |            |
| 1060    | 06567     | PAVE MARKING-THERMO STOP BAR-12IN                 | 47.000               | LF    |            |            |
| 1070    | 06568     | PAVE MARKING-THERMO STOP BAR-24IN                 | 103.000              | LF    |            |            |
| 1080    | 06570     | PAVE MARKING-PAINT CROSS-HATCH<br>(PERM)          | 36,647.000           | SQFT  |            |            |
| 1090    | 06570     | PAVE MARKING-PAINT CROSS-HATCH<br>(TEMP)          | 1,524.000            | SQFT  |            |            |
| 1100    | 06574     | PAVE MARKING-THERMO CURV ARROW                    | 25.000               | EACH  |            |            |
| 1110    | 06586     | PAVEMENT MARKER TY IVA-MY TEMP                    | 31.000               | EACH  |            |            |
| 1120    | 06591     | PAVEMENT MARKER TYPE V-BY                         | 28.000               | EACH  |            |            |
| 1130    | 06592     | PAVEMENT MARKER TYPE V-B W/R                      | 1,642.000            | EACH  |            |            |
| 1140    | 06593     | PAVEMENT MARKER TYPE V-B Y/R                      | 924.000              | EACH  |            |            |
| 1150    | 06600     | REMOVE PAVEMENT MARKER TYPE V                     | 753.000              | EACH  |            |            |
| 1160    | 08100     | CONCRETE-CLASS A                                  | 24.950               | CUYD  |            |            |
| 1170    | 08150     | STEEL REINFORCEMENT                               | 12,419.000           | LB    |            |            |
| 1180    | 10020NS   | FUEL ADJUSTMENT                                   | 476,837.000          | DOLL  | 1.00       | 476,837.00 |
| 1190    | 10030NS   | ASPHALT ADJUSTMENT                                | 604,889.000          | DOLL  | 1.00       | 604,889.00 |
| 1200    | 20209EP69 | GRANULAR PILE CORE                                | 210.000              | CUYD  |            |            |
| 1210    | 20315ED   | CLAY SOIL CAP                                     | 503.000              | CUYD  |            |            |
| 1220    | 02003     | RELOCATE TEMP CONC BARRIER<br>(REVISED: 10-19-11) | 196,235.000          | LF    |            |            |
| 1230    | 20411ED   | LAW ENFORCEMENT OFFICER                           | 750.000              | HOURL |            |            |
| 1240    | 20509ED   | BLOW UP/RELIEF JOINT                              | 362.000              | SQYD  |            |            |
| 1250    | 20758ED   | REMOVE AND RESET PERF PIPE HEADWALL               | 112.000              | EACH  |            |            |

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| 1260                  | 21370ED    | LONGITUDINAL SAW CUT- 6 IN            | 54,752.000           | LF   |            |        |
| 1270                  | 21430ES508 | CONC MEDIAN BARRIER TYPE 12C(50)      | 16,657.000           | LF   |            |        |
| 1280                  | 21597EN    | REMOVE PERF PIPE HEADWALL             | 36.000               | EACH |            |        |
| 1290                  | 21802EN    | G/R STEEL W BEAM-S FACE (7 FT POST)   | 28,723.000           | LF   |            |        |
| 1300                  | 22883EN    | CONCRETE WEDGE CURB                   | 3,334.000            | LF   |            |        |
| 1310                  | 23131ER701 | PIPELINE VIDEO INSPECTION             | 2,540.000            | LF   |            |        |
| 1320                  | 23143ED    | KPDES PERMIT AND TEMP EROSION CONTROL | ( 1.00)              | LS   |            |        |
| 1330                  | 23237EN10W | WATERBLAST STRIPE REMOVAL             | 253,440.000          | LF   |            |        |
| 1340                  | 23274EN11F | TURF REINFORCEMENT MAT 1              | 35,907.000           | SQYD |            |        |
| 1350                  | 23394EC    | CRASH CUSHION TY VI CLASS C TL3-1     | 8.000                | EACH |            |        |
| 1360                  | 23545EC    | CLEAN ENHANCED SILT TRAP              | 291.000              | EACH |            |        |
| 1370                  | 24189ER    | DURABLE WATERBORNE MARKING-6 IN W     | 88,464.000           | LF   |            |        |
| 1380                  | 24190ER    | DURABLE WATERBORNE MARKING-6 IN Y     | 55,374.000           | LF   |            |        |
| 1390                  | 24191ER    | DURABLE WATERBORNE MARKING-12 IN W    | 2,227.000            | LF   |            |        |
| 1400                  | 24255EC    | REMOVE CABLE GUARDRAIL BARRIER SYSTEM | 8,160.000            | LF   |            |        |
| 1410                  | 24277EC    | FLUSH SEDIMENT                        | ( 1.00)              | LS   |            |        |
| SECTION 0003 DRAINAGE |            |                                       |                      |      |            |        |
| 1420                  | 00461      | CULVERT PIPE-15 IN                    | 51.000               | LF   |            |        |
| 1430                  | 00462      | CULVERT PIPE-18 IN                    | 936.000              | LF   |            |        |
| 1440                  | 00464      | CULVERT PIPE-24 IN                    | 308.000              | LF   |            |        |
| 1450                  | 00466      | CULVERT PIPE-30 IN                    | 26.000               | LF   |            |        |

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| 1460    | 00468   | CULVERT PIPE-36 IN                      | 28.000               | LF   |            |        |
| 1470    | 00470   | CULVERT PIPE-48 IN                      | 76.000               | LF   |            |        |
| 1480    | 00521   | STORM SEWER PIPE-15 IN                  | 469.000              | LF   |            |        |
| 1490    | 00522   | STORM SEWER PIPE-18 IN                  | 2,752.000            | LF   |            |        |
| 1500    | 00524   | STORM SEWER PIPE-24 IN                  | 58.000               | LF   |            |        |
| 1510    | 01075   | STEEL ENCASEMENT PIPE-18 IN             | 56.000               | LF   |            |        |
| 1520    | 01432   | SLOPED BOX OUTLET TYPE 1-15 IN          | 1.000                | EACH |            |        |
| 1530    | 01433   | SLOPED BOX OUTLET TYPE 1-18 IN          | 14.000               | EACH |            |        |
| 1540    | 01434   | SLOPED BOX OUTLET TYPE 1-24 IN          | 2.000                | EACH |            |        |
| 1550    | 01450   | S & F BOX INLET-OUTLET-18 IN            | 11.000               | EACH |            |        |
| 1560    | 01451   | S & F BOX INLET-OUTLET-24 IN            | 4.000                | EACH |            |        |
| 1570    | 01490   | DROP BOX INLET TYPE 1                   | 15.000               | EACH |            |        |
| 1580    | 01505   | DROP BOX INLET TYPE 5B                  | 2.000                | EACH |            |        |
| 1590    | 01642   | JUNCTION BOX-18 IN                      | 20.000               | EACH |            |        |
| 1600    | 01643   | JUNCTION BOX-24 IN                      | 4.000                | EACH |            |        |
| 1610    | 21602NN | CONC MED BARR BOX INLET TY 12B2-50      | 10.000               | EACH |            |        |
| 1620    | 23126EN | BORE AND JACK PIPE-18 IN                | 297.000              | LF   |            |        |
| 1630    | 23975EC | CONC MED BARR BOX INLET TY 12A1-50(MOD) | 2.000                | EACH |            |        |
| 1640    | 23977EC | CONC MED BARR BOX INLET TY 12B1-50(MOD) | 21.000               | EACH |            |        |
| 1650    | 23978EC | CONC MED BARR BOX INLET TY 12B2-50(MOD) | 5.000                | EACH |            |        |

SECTION 0004 BRIDGE

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| 1660    | 02231   | STRUCTURE GRANULAR BACKFILL      | 1,215.000            | CUYD |            |        |
| 1670    | 02274   | FENCE-6 FT CHAIN LINK            | 538.000              | LF   |            |        |
| 1680    | 02599   | FABRIC-GEOTEXTILE TYPE IV        | 1,276.000            | SQYD |            |        |
| 1690    | 02998   | MASONRY COATING                  | 2,270.000            | SQYD |            |        |
| 1700    | 03299   | ARMORED EDGE FOR CONCRETE        | 160.000              | LF   |            |        |
| 1710    | 08001   | STRUCTURE EXCAVATION-COMMON      | 1,169.000            | CUYD |            |        |
| 1720    | 08020   | CRUSHED AGGREGATE SLOPE PROT     | 558.000              | TON  |            |        |
| 1730    | 08033   | TEST PILES                       | 90.000               | LF   |            |        |
| 1740    | 08039   | PRE-DRILLING FOR PILES           | 980.000              | LF   |            |        |
| 1750    | 08046   | PILES-STEEL HP12X53              | 704.000              | LF   |            |        |
| 1760    | 08050   | PILES-STEEL HP14X73              | 678.000              | LF   |            |        |
| 1770    | 08094   | PILE POINTS-12 IN                | 66.000               | EACH |            |        |
| 1780    | 08095   | PILE POINTS-14 IN                | 49.000               | EACH |            |        |
| 1790    | 08100   | CONCRETE-CLASS A                 | 725.000              | CUYD |            |        |
| 1800    | 08104   | CONCRETE-CLASS AA                | 983.000              | CUYD |            |        |
| 1810    | 08134   | MECHANICAL REINF COUPLER #9      | 40.000               | EACH |            |        |
| 1820    | 08150   | STEEL REINFORCEMENT              | 90,311.000           | LB   |            |        |
| 1830    | 08151   | STEEL REINFORCEMENT-EPOXY COATED | 312,447.000          | LB   |            |        |
| 1840    | 08500   | APPROACH SLAB                    | 400.000              | SQYD |            |        |
| 1850    | 21532ED | RAIL SYSTEM TYPE III             | 538.000              | LF   |            |        |
| 1860    | 24383EC | PC I-BEAM TY NH 66 61-HYBRID     | 2,144.000            | LF   |            |        |

SECTION 0005 SIGNING

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| LINE NO               | ITEM    | DESCRIPTION                    | APPROXIMATE QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|-----------------------|---------|--------------------------------|----------------------|------|------------|--------|
| 1870                  | 04903   | REFERENCE MARKER               | 50.000               | EACH |            |        |
| 1880                  | 04904   | BARRIER MOUNTING BRACKET       | 16.000               | EACH |            |        |
| 1890                  | 06400   | GMSS GALV STEEL TYPE A         | 20,948.000           | LB   |            |        |
| 1900                  | 06405   | SBM ALUMINUM PANEL SIGNS       | 1,766.000            | SQFT |            |        |
| 1910                  | 06406   | SBM ALUM SHEET SIGNS .080 IN   | 320.000              | SQFT |            |        |
| 1920                  | 06407   | SBM ALUM SHEET SIGNS .125 IN   | 501.000              | SQFT |            |        |
| 1930                  | 06410   | STEEL POST TYPE 1              | 924.000              | LF   |            |        |
| 1940                  | 06411   | STEEL POST TYPE 2              | 660.000              | LF   |            |        |
| 1950                  | 06441   | GMSS GALV STEEL TYPE C         | 7,308.000            | LB   |            |        |
| 1960                  | 06451   | REMOVE SIGN SUPPORT BEAM       | 52.000               | EACH |            |        |
| 1970                  | 06490   | CLASS A CONCRETE FOR SIGNS     | 79.000               | CUYD |            |        |
| 1980                  | 06491   | STEEL REINFORCEMENT FOR SIGNS  | 752.000              | LB   |            |        |
| 1990                  | 20418ED | REMOVE & RELOCATE SIGNS        | 23.000               | EACH |            |        |
| 2000                  | 20912ND | BARRIER WALL POST              | 4.000                | EACH |            |        |
| 2010                  | 21373ND | REMOVE SIGN                    | 2.000                | EACH |            |        |
| 2020                  | 21596ND | GMSS TYPE D                    | 10.000               | EACH |            |        |
| SECTION 0006 LIGHTING |         |                                |                      |      |            |        |
| 2030                  | 04714   | POLE 120 FT MTG HT HIGH MAST   | 7.000                | EACH |            |        |
| 2040                  | 04760   | POLE W/SECONDARY CONTROL EQUIP | 1.000                | EACH |            |        |
| 2050                  | 04773   | HPS LUMINAIRE HIGH MAST        | 37.000               | EACH |            |        |
| 2060                  | 04797   | CONDUIT-3 IN                   | 840.000              | LF   |            |        |

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| LINE NO                                    | ITEM       | DESCRIPTION                                     | APPROXIMATE QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--|------------|---|----------------------|------|------------|--------|
| 2070                                       | 04800      | MARKER  | 15.000               | EACH |            |        |
| 2080                                       | 04820      | TRENCHING AND BACKFILLING                       | 5,275.000            | LF   |            |        |
| 2090                                       | 04860      | CABLE-NO. 8/3C DUCTED                           | 1,005.000            | LF   |            |        |
| 2100                                       | 04862      | CABLE-NO. 4/3C DUCTED                           | 9,730.000            | LF   |            |        |
| 2110                                       | 04940      | REMOVE LIGHTING                                 | ( 1.00)              | LS   |            |        |
| 2120                                       | 20391NS835 | JUNCTION BOX TYPE A                             | 4.000                | EACH |            |        |
| 2130                                       | 20392NS835 | JUNCTION BOX TYPE C                             | 4.000                | EACH |            |        |
| 2140                                       | 21543EN    | BORE AND JACK CONDUIT                           | 840.000              | LF   |            |        |
| 2150                                       | 23161EN    | POLE BASE-HIGH MAST                             | 66.060               | CUYD |            |        |
| SECTION 0007 TRAINEES                      |            |   |                      |      |            |        |
| 2160                                       | 02742      | TRAINEE PAYMENT REIMBURSEMENT<br>1 CEMENT MASON | 1,200.000            | HOUR |            |        |
| SECTION 0008 MOBILIZATION / DEMOBILIZATION |            |   |                      |      |            |        |
| 2170                                       | 02568      | MOBILIZATION (NO MORE THAN 5%)                  |                      | LUMP |            |        |
| 2180                                       | 02569      | DEMOBILIZATION (AT LEAST 1.5%)                  |                      | LUMP |            |        |
|  |            | TOTAL BID                                       |                      |      |            |        |