



**TRANSPORTATION CABINET**

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

**Steven L. Beshear**  
Governor

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

October 10, 2012

CALL NO. 200  
CONTRACT ID NO. 121042  
ADDENDUM # 1

Subject: Barren County, 121GR12D042-IM NH  
Letting October 19, 2012

(1) Revised - Plan Sheets - R2G & R88

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:ks  
Enclosures



An Equal Opportunity Employer M/F/D

# GENERAL SUMMARY

|                 |          |           |
|-----------------|----------|-----------|
| COUNTY OF       | ITEM NO. | SHEET NO. |
| BARREN AND HART | 3-14.00  | R2G       |

| ITEM | DESCRIPTION                                  | UNIT  | BARREN COUNTY                  | HART COUNTY                    | HART COUNTY                   | BARREN COUNTY                 | HART COUNTY                      | KY 2747 | KY 218 | KY 335 | RAMP A | RAMP B | RAMP C | RAMP D | MOT | BARREN TOTALS | HART TOTALS | PROJECT TOTALS |   |
|------|--|-------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|----------------------------------|---------|--------|--------|--------|--------|--------|--------|-----|---------------|-------------|----------------|---|
|      |  |       | I-65 STA. 12823+00 TO 12848+46 | I-65 STA. 12848+46 TO 13017+00 | I-65 STA. 13017+00 TO 3066+00 | KY 2746 STA. 711+20 TO 714+00 | KY 2746 STA. 699+28.88 TO 711+20 |         |        |        |        |        |        |        |     |               |             |                |   |
| 71   | CRUSHED AGGREGATE SIZE NO. 57 (18)           | TON   | 22                             | 60                             | 30                            |                               |                                  |         |        |        |        |        |        |        |     | 22            | 90          | 112            |   |
| 78   | CRUSHED AGGREGATE SIZE NO. 2 (17)            | TON   | 6,096                          | 12,192                         | 6,096                         |                               |                                  |         |        |        |        |        |        |        |     | 6,096         | 18,288      | 24,384         |   |
| 1015 | INSPECT & CERTIFY EDGE DRAIN SYSTEM          | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 1310 | REMOVE PIPE (3)                              | LF    | 16                             | 100                            | 70                            |                               |                                  |         | 16     |        |        | 4      |        |        |     | 16            | 190         | 206            |   |
| 1584 | CAP DROP BOX INLET (3)                       | EACH  |                                | 4                              |                               |                               |                                  |         |        |        |        |        |        |        |     | 0             | 4           | 4              |   |
| 1691 | FLUME INLET TYPE 2                           | EACH  |                                | 1                              |                               |                               |                                  |         |        |        |        |        |        |        |     | 0             | 1           | 1              |   |
| 1706 | REMOVE CATCH BASIN (3)                       | EACH  | 3                              | 22                             |                               |                               |                                  |         |        |        |        |        |        |        |     | 3             | 22          | 25             |   |
| 1825 | ISLAND CURB AND GUTTER                       | LF    |                                |                                |                               |                               | 100                              |         |        |        |        |        |        |        |     | 0             | 100         | 100            |   |
| 1845 | ISLAND INTEGRAL CURB                         | LF    |                                |                                |                               |                               |                                  | 71      |        |        |        |        |        |        |     | 0             | 71          | 71             |   |
| 1955 | CONC MEDIAN BARRIER TYPE 12C1 (50)           | LF    |                                | 150                            | 76                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 226         | 226            |   |
| 1967 | CONC MEDIAN BARRIER TYPE 12C (50)            | LF    | 2449                           | 15,676                         | 7437                          |                               |                                  |         |        |        |        |        |        |        |     | 2,449         | 23,113      | 25,562         |   |
| 1982 | DELINEATOR FOR GUARDRAIL - WHITE             | EACH  | 14                             | 182                            | 114                           | 1                             | 31                               |         |        |        | 23     | 11     | 10     | 20     |     | 15            | 391         | 406            |   |
| 1983 | DELINEATOR FOR GUARDRAIL - YELLOW            | EACH  |                                |                                |                               |                               |                                  |         |        |        |        | 2      |        | 16     |     | 0             | 18          | 18             |   |
| 1984 | DELINEATOR FOR TEMP BARRIER - WHITE          | EACH  | 448                            | 4,016                          | 844                           |                               |                                  |         | 16     |        | 20     | 20     |        |        |     | 448           | 4,916       | 5,364          |   |
| 1985 | DELINEATOR FOR BARRIER - YELLOW              | EACH  | 28                             | 251                            | 1,792                         |                               |                                  |         | 16     |        | 20     | 20     |        |        |     | 28            | 2,099       | 2,127          |   |
| 2003 | RELOCATE TEMP CONC BARRIER (2)               | LF    | 17675                          | 126,125                        | 31,253                        |                               | 2100                             |         |        |        | 1000   | 1000   |        |        |     | 17,675        | 161,478     | 179,153        |   |
| 2014 | BARRICADE TYPE III                           | EACH  | 2                              |                                |                               | 1                             | 1                                |         | 5      |        | 1      | 1      |        |        |     | 3             | 9           | 12             |   |
| 2081 | JPC PAVEMENT 8 IN SHLD                       | SQ YD |                                |                                |                               |                               |                                  |         | 139    |        |        |        |        |        |     | 0             | 139         | 139            |   |
| 2159 | TEMPORARY DITCH                              | LF    | 2,746                          | 19,500                         | 10,000                        | 280                           | 446                              |         |        |        |        |        |        |        |     | 3026          | 29,946      | 32,972         |   |
| 2160 | CLEAN TEMPORARY DITCH                        | LF    | 2746                           | 19,500                         | 10,000                        | 280                           | 446                              |         |        |        |        |        |        |        |     | 3026          | 29,946      | 32,972         |   |
| 2165 | REMOVE PAVED DITCH                           | SQYD  | 69                             | 3,372                          | 1284                          |                               |                                  |         |        |        |        | 240    | 455    | 142    |     | 69            | 5,493       | 5,562          |   |
| 2200 | ROADWAY EXCAVATION                           | CU YD | 13,498                         | 190,239                        | 67,661                        | 348                           | 4117                             | 421     | 13754  |        | 1108   | 1646   | 2554   | 4601   |     | 13,846        | 286,101     | 299,947        |   |
| 2223 | GRANULAR EMBANKMENT (4)                      | CU YD |                                | 92                             | 50                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 142         | 142            |   |
| 2237 | DITCHING (5)                                 | LF    | 5000                           | 30,000                         | 4000                          |                               |                                  |         |        |        |        |        |        |        |     | 5,000         | 34,000      | 39,000         |   |
| 2259 | FENCE - TEMPORARY (6)                        | LF    | 3,000                          | 13,559                         | 500                           |                               |                                  |         |        |        |        |        |        |        |     | 3,000         | 14,059      | 17,059         |   |
| 2262 | FENCE - WOVEN WIRE TYPE 1 (6)                | LF    |                                |                                | 62                            |                               |                                  |         | 349    |        |        |        | 124    |        |     | 0             | 535         | 535            |   |
| 2265 | REMOVE FENCE (6)                             | LF    |                                |                                | 131                           |                               | 309                              |         | 110    |        |        |        |        |        |     | 0             | 550         | 550            |   |
| 2267 | REMOVE AND RESET FENCE (VINYL)               | LF    |                                |                                |                               |                               |                                  |         | 288    |        |        |        |        |        |     | 0             | 288         | 288            |   |
| 2268 | REMOVE AND REPLACE FENCE (WOVEN WIRE TYPE 1) | LF    | 5,080                          | 33,906                         | 9,274                         |                               | 215                              |         | 813    |        | 1003   | 1445   | 533    | 253    |     | 5,080         | 47,442      | 52,522         |   |
| 2351 | GUARDRAIL-STEEL W BEAM-S FACE                | LF    |                                |                                |                               |                               | 1625                             |         | 1862.5 |        | 1700   | 650    | 400    | 1962.5 |     | 0             | 8,200       | 8,200          |   |
| 2360 | GUARDRAIL TERMINAL SECTION NO 1              | EACH  |                                |                                |                               |                               | 1                                |         |        |        |        |        |        |        |     |               | 1           | 1              |   |
| 2363 | GUARDRAIL CONNECTOR TO BRIDGE END TYPE A     | EACH  |                                |                                |                               |                               | 4                                |         | 2      |        |        |        |        |        |     | 0             | 6           | 6              |   |
| 2367 | GUARDRAIL END TREATMENT TYPE 1               | EACH  | 1                              | 9                              |                               | 1                             | 1                                |         |        |        |        |        |        |        |     | 2             | 10          | 12             |   |
| 2369 | GUARDRAIL END TREATMENT TYPE 2A              | EACH  | 2                              | 8                              | 5                             |                               |                                  |         |        |        |        | 2      | 1      | 2      |     | 2             | 18          | 20             |   |
| 2371 | GUARDRAIL END TREATMENT TYPE 7               | EACH  |                                |                                |                               |                               | 1                                | 2       |        |        |        |        |        |        |     | 0             | 3           | 3              |   |
| 2373 | GUARDRAIL END TREATMENT TYPE 3               | EACH  |                                |                                | 1                             |                               |                                  |         |        |        |        |        |        |        |     | 0             | 1           | 1              |   |
| 2381 | REMOVE GUARDRAIL (8)                         | LF    | 1,385                          | 11,654                         | 4450                          | 42                            | 1,570                            |         | 2,287  |        |        | 546    | 374    | 1914   |     | 1,427         | 22,795      | 24,222         |   |
| 2391 | GUARDRAIL END TREATMENT TYPE 4A              | EACH  |                                |                                | 4                             |                               |                                  |         | 2      |        |        |        |        | 2      |     | 0             | 8           | 8              |   |
| 2429 | RIGHT-OF-WAY MONUMENT TYPE 1                 | EACH  |                                |                                |                               |                               | 3                                |         | 7      |        |        |        |        |        |     | 0             | 10          | 10             |   |
| 2432 | WITNESS POST                                 | EACH  |                                |                                |                               |                               | 3                                |         |        |        |        |        |        |        |     | 0             | 3           | 3              |   |
| 2469 | CLEAN SINKHOLE                               | EACH  |                                | 7                              | 5                             |                               |                                  |         |        |        |        |        |        |        |     | 0             | 12          | 12             |   |
| 2483 | CHANNEL LINING CLASS II (18)                 | TON   | 43                             | 301                            | 91                            |                               | 5.3                              |         |        |        |        |        |        |        |     | 43            | 397.3       | 440.3          |   |
| 2484 | CHANNEL LINING CLASS III                     | TON   |                                | 98                             | 604                           |                               |                                  |         |        |        |        | 88     | 87     | 71     |     | 0             | 948         | 948            |   |
| 2545 | CLEARING AND GRUBBING (1)                    | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2555 | CONCRETE - CLASS B (4)                       | CYUYD |                                | 19                             | 14                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 33          | 33             |   |
| 2562 | SIGNS  | SQ FT |                                |                                | 1500                          |                               |                                  |         | 350    |        | 100    | 100    | 100    | 100    | 392 |               | 2,642       | 2,642          |   |
| 2568 | MOBILIZATION                                 | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 1              |   |
| 2569 | DEMobilIZATION                               | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 1              |   |
| 2570 | PROJECT CPM SCHEDULE (9)                     | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2585 | EDGE KEY                                     | LF    | 72                             |                                | 72                            | 28                            | 28                               |         | 48     | 32     |        |        |        |        |     | 100           | 180         | 280            |   |
| 2596 | FABRIC - GEOTEXTILE TYPE I (18)              | SQ YD | 83                             | 367                            | 1,466                         |                               | 11                               |         |        |        |        | 240    | 455    | 142    |     | 83            | 2681        | 2,764          |   |
| 2599 | FABRIC - GEOTEXTILE TYPE IV (4)              | SQ YD | 21,183                         | 42,604                         | 21,293                        |                               |                                  |         |        |        |        |        |        |        |     | 21,183        | 63,897      | 85,080         |   |
| 2600 | FABRIC - GEOTEXTILE TYPE IV FOR PIPE         | SQ YD | 518                            | 7,201                          | 1,780                         |                               | 128                              |         | 919    |        |        | 12     |        | 423    |     | 518           | 10,463      | 10,981         |   |
| 2625 | REMOVE HEADWALL                              | EACH  |                                |                                | 1                             |                               | 1                                |         | 2      |        |        |        |        | 2      |     | 0             | 6           | 6              |   |
| 2650 | MAINTAIN AND CONTROL TRAFFIC                 | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2671 | PORTABLE CHANGEABLE MESSAGE SIGN             | EACH  | 2                              | 2                              | 10                            | 1                             | 1                                |         |        |        |        |        |        |        |     | 3             | 13          | 16             |   |
| 2676 | MOBILIZATION FOR MILLING & TEXTURING         | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     |               | 1           | 1              | 2 |
| 2690 | SAFELoading                                  | CU YD | 4.16                           | 13                             | 15                            |                               |                                  |         |        |        |        |        |        | 12     |     | 4.16          | 40          | 44.16          |   |
| 2696 | SHOULDER RUMBLE STRIPS - SAWED               | LF    | 10,184                         | 67,416                         | 36,386                        |                               |                                  |         |        |        |        |        |        |        |     | 10,184        | 103,802     | 113,986        |   |
| 2701 | TEMPORARY SILT FENCE                         | LF    | 2,546                          | 17,700                         | 9,700                         | 280                           | 446                              |         |        |        |        |        |        |        |     | 2,826         | 27,846      | 30,672         |   |

**NOTES:**

**EARTHWORK CALCULATIONS**

|         |                  |               |
|---------|------------------|---------------|
| 109,249 | COM              | (65)          |
| 384     | COM              | (2746)        |
| 4,081   | EMB BENCH        | (2746)        |
| 11      | COM              | (2747)        |
| 410     | EMB BENCH        | (2747)        |
| 12,221  | COM              | (218)         |
| 1,108   | COM              | RAMPA         |
| 1,646   | COM              | RAMPB         |
| 2,554   | COM              | RAMPC         |
| 4,092   | COM              | RAMPD         |
| 509     | COM              | RAMPD-TR      |
| 13,776  | COM              | MEDIAN ACCESS |
| 150,041 | EXC              |               |
| 149,906 | SR               |               |
| <hr/>   |                  |               |
| 299,947 | TOTAL EXCAVATION |               |
| <hr/>   |                  |               |
| 36,047  | EMB              | (65)          |
| 19,916  | EMB              | (2746)        |
| 722     | EMB              | (2747)        |
| 3,213   | EMB              | (218)         |
| 729     | EMB              | RAMPA         |
| 4,934   | EMB              | RAMPB         |
| 976     | EMB              | RAMPB-TR      |
| 715     | EMB              | RAMPC         |
| 948     | EMB              | RAMPD         |
| <hr/>   |                  |               |
| 68,200  | EMB              |               |

- ① APPROX. 80 ACRES (6 BARREN/74 HART)
  - ② ASSUMES A TOTAL OF 69,003 LF OF TEMP BARRIER WALL WILL BE REQUIRED OF THAT 35,160 LF WILL BE RELOCATED AND RETURNED TO REST AREA (MP 55) AND 33,843 LF IS TO BE FURNISHED BY THE CONTRACTOR AND WILL REMAIN THE CONTRACTORS PROPERTY UPON COMPLETION OF CONSTRUCTION
  - ③ INCLUDES QUANTITIES CARRIED OVER FROM PIPE DRAINAGE SUMMARY SHEETS
  - ④ NOMINAL QUANTITY TO BE USED FOR CAPPING SINKHOLES & ACCESS GATES
  - ⑤ FOR CLEANING OF EXISTING PIPES AND DROP BOXES
  - ⑥ CONTRACTOR SHALL CONTACT AND COORDINATE WITH ANY OWNERS AND THE KYTC ALONG EXISTING FENCE THAT HAS LIVESTOCK.
  - ⑦ CONTRARY TO STANDARD DRAWING GUARDRAIL POSTS WILL BE 7' IN LENGTH
  - ⑧ REMOVE ALL EXIST. GUARDRAIL ALONG PROJECT LIMITS AND TRANSPORT TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKERSON BLVD. IN FRANKFORT.
  - ⑨ THE PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL AFTER THE CPM SCHEDULE IS SUBMITTED.
  - ⑩ 50% OF THE TOTAL LINEAR FEET OF ALL INSTALLED PIPE REGARDLESS OF MATERIAL TYPE (SEE SUPPLEMENTAL SPECIFICATIONS).
  - ⑪ CLEAN PERMANENT CONTAINMENT FEATURE. BASED ON 3 CLEANING PER CONSTRUCTION SEASON, 2 CONSTRUCTION SEASON.
- NOTES CONTINUED SEE SHEET R2H

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

USER: PEC\_stephen  
 DATE: 10/4/2012  
 FILE NAME: R002G0SU.dgn  
 E-SHEET NAME:

# GENERAL SUMMARY

△ REVISED 10-4-12

|                 |          |           |
|-----------------|----------|-----------|
| COUNTY OF       | ITEM NO. | SHEET NO. |
| BARREN AND HART | 3-14.00  | R2G       |

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

| ITEM | DESCRIPTION                                  | UNIT  | BARREN COUNTY                  | HART COUNTY                    | HART COUNTY                   | BARREN COUNTY                 | HART COUNTY                      | KY 2747 | KY 218 | KY 335 | RAMP A | RAMP B | RAMP C | RAMP D | MOT | BARREN TOTALS | HART TOTALS | PROJECT TOTALS |   |
|------|--|-------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|----------------------------------|---------|--------|--------|--------|--------|--------|--------|-----|---------------|-------------|----------------|---|
|      |  |       | I-65 STA. 12823+00 TO 12848+46 | I-65 STA. 12848+46 TO 13017+00 | I-65 STA. 13017+00 TO 3066+00 | KY 2746 STA. 711+20 TO 714+00 | KY 2746 STA. 699+28.88 TO 711+20 |         |        |        |        |        |        |        |     |               |             |                |   |
| 71   | CRUSHED AGGREGATE SIZE NO. 57 (18)           | TON   | 22                             | 60                             | 30                            |                               |                                  |         |        |        |        |        |        |        |     | 22            | 90          | 112            |   |
| 78   | CRUSHED AGGREGATE SIZE NO. 2 (17)            | TON   | 6,096                          | 12,192                         | 6,096                         |                               |                                  |         |        |        |        |        |        |        |     | 6,096         | 18,288      | 24,384         |   |
| 1015 | INSPECT & CERTIFY EDGE DRAIN SYSTEM          | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 1310 | REMOVE PIPE (3)                              | LF    | 16                             | 100                            | 70                            |                               |                                  |         | 16     |        |        | 4      |        |        |     | 16            | 190         | 206            |   |
| 1584 | CAP DROP BOX INLET (3)                       | EACH  |                                | 4                              |                               |                               |                                  |         |        |        |        |        |        |        |     | 0             | 4           | 4              |   |
| 1691 | FLUME INLET TYPE 2                           | EACH  |                                | 1                              |                               |                               |                                  |         |        |        |        |        |        |        |     | 0             | 1           | 1              |   |
| 1706 | REMOVE CATCH BASIN (3)                       | EACH  | 3                              | 22                             |                               |                               |                                  |         |        |        |        |        |        |        |     | 3             | 22          | 25             |   |
| 1825 | ISLAND CURB AND GUTTER                       | LF    |                                |                                |                               |                               |                                  | 100     |        |        |        |        |        |        |     | 0             | 100         | 100            |   |
| 1845 | ISLAND INTEGRAL CURB                         | LF    |                                |                                |                               |                               |                                  |         | 71     |        |        |        |        |        |     | 0             | 71          | 71             |   |
| 1955 | CONC MEDIAN BARRIER TYPE 12C1 (50)           | LF    |                                | 150                            | 76                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 226         | 226            |   |
| 1967 | CONC MEDIAN BARRIER TYPE 12C (50)            | LF    | 2449                           | 15,676                         | 7437                          |                               |                                  |         |        |        |        |        |        |        |     | 2,449         | 23,113      | 25,562         |   |
| 1982 | DELINEATOR FOR GUARDRAIL - WHITE             | EACH  | 14                             | 182                            | 114                           | 1                             | 31                               |         |        |        | 23     | 11     | 10     | 20     |     | 15            | 391         | 406            |   |
| 1983 | DELINEATOR FOR GUARDRAIL - YELLOW            | EACH  |                                |                                |                               |                               |                                  |         |        |        |        | 2      |        | 16     |     | 0             | 18          | 18             |   |
| 1984 | DELINEATOR FOR TEMP BARRIER - WHITE          | EACH  | 448                            | 4,016                          | 844                           |                               |                                  |         | 16     |        | 20     | 20     |        |        |     | 448           | 4,916       | 5,364          |   |
| 1985 | DELINEATOR FOR BARRIER - YELLOW              | EACH  | 28                             | 251                            | 1,792                         |                               |                                  |         | 16     |        | 20     | 20     |        |        |     | 28            | 2,099       | 2,127          |   |
| 2003 | RELOCATE TEMP CONC BARRIER (2)               | LF    | 17675                          | 126,125                        | 31,253                        |                               | 2100                             |         |        |        | 1000   | 1000   |        |        |     | 17,675        | 161,478     | 179,153        |   |
| 2014 | BARRICADE TYPE III                           | EACH  | 2                              |                                |                               | 1                             | 1                                |         | 5      |        | 1      | 1      |        |        |     | 3             | 9           | 12             |   |
| 2081 | JPC PAVEMENT 8 IN SHLD                       | SQ YD |                                |                                |                               |                               |                                  |         | 139    |        |        |        |        |        |     | 0             | 139         | 139            |   |
| 2159 | TEMPORARY DITCH                              | LF    | 2,746                          | 19,500                         | 10,000                        | 280                           | 446                              |         |        |        |        |        |        |        |     | 3026          | 29,946      | 32,972         |   |
| 2160 | CLEAN TEMPORARY DITCH                        | LF    | 2746                           | 19,500                         | 10,000                        | 280                           | 446                              |         |        |        |        |        |        |        |     | 3026          | 29,946      | 32,972         |   |
| 2165 | REMOVE PAVED DITCH                           | SQYD  | 69                             | 3,372                          | 1284                          |                               |                                  |         |        |        |        | 240    | 455    | 142    |     | 69            | 5,493       | 5,562          |   |
| 2200 | ROADWAY EXCAVATION                           | CU YD | 13,498                         | 190,239                        | 67,661                        | 348                           | 4117                             | 421     | 13754  |        | 1108   | 1646   | 2554   | 4601   |     | 13,846        | 286,101     | 299,947        |   |
| 2223 | GRANULAR EMBANKMENT (4)                      | CU YD |                                | 92                             | 50                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 142         | 142            |   |
| 2237 | DITCHING (5)                                 | LF    | 5000                           | 30,000                         | 4000                          |                               |                                  |         |        |        |        |        |        |        |     | 5,000         | 34,000      | 39,000         |   |
| 2259 | FENCE - TEMPORARY (6)                        | LF    | 3,000                          | 13,559                         | 500                           |                               |                                  |         |        |        |        |        |        |        |     | 3,000         | 14,059      | 17,059         |   |
| 2262 | FENCE - WOVEN WIRE TYPE 1 (6)                | LF    |                                |                                | 62                            |                               |                                  |         | 349    |        |        |        | 124    |        |     | 0             | 535         | 535            |   |
| 2265 | REMOVE FENCE (6)                             | LF    |                                |                                | 131                           |                               | 309                              |         | 110    |        |        |        |        |        |     | 0             | 550         | 550            |   |
| 2267 | REMOVE AND RESET FENCE (VINYL)               | LF    |                                |                                |                               |                               |                                  |         | 288    |        |        |        |        |        |     | 0             | 288         | 288            |   |
| 2268 | REMOVE AND REPLACE FENCE (WOVEN WIRE TYPE 1) | LF    | 5,080                          | 33,906                         | 9,274                         |                               | 215                              |         | 813    |        | 1003   | 1445   | 533    | 253    |     | 5,080         | 47,442      | 52,522         |   |
| 2351 | GUARDRAIL-STEEL W BEAM-S FACE                | LF    |                                |                                |                               |                               | 1625                             |         | 1862.5 |        | 1700   | 650    | 400    | 1962.5 |     | 0             | 8,200       | 8,200          |   |
| 2360 | GUARDRAIL TERMINAL SECTION NO 1              | EACH  |                                |                                |                               |                               | 1                                |         |        |        |        |        |        |        |     |               | 1           | 1              |   |
| 2363 | GUARDRAIL CONNECTOR TO BRIDGE END TYPE A     | EACH  |                                |                                |                               |                               | 4                                |         | 2      |        |        |        |        |        |     | 0             | 6           | 6              |   |
| 2367 | GUARDRAIL END TREATMENT TYPE 1               | EACH  | 1                              | 9                              |                               | 1                             | 1                                |         |        |        |        |        |        |        |     | 2             | 10          | 12             |   |
| 2369 | GUARDRAIL END TREATMENT TYPE 2A              | EACH  | 2                              | 8                              | 5                             |                               |                                  |         |        |        |        | 2      | 1      | 2      |     | 2             | 18          | 20             |   |
| 2371 | GUARDRAIL END TREATMENT TYPE 7               | EACH  |                                |                                |                               |                               | 1                                | 2       |        |        |        |        |        |        |     | 0             | 3           | 3              |   |
| 2373 | GUARDRAIL END TREATMENT TYPE 3               | EACH  |                                |                                | 1                             |                               |                                  |         |        |        |        |        |        |        |     | 0             | 1           | 1              |   |
| 2381 | REMOVE GUARDRAIL (8)                         | LF    | 1,385                          | 11,654                         | 4450                          | 42                            | 1,570                            |         | 2,287  |        |        | 546    | 374    | 1914   |     | 1,427         | 22,795      | 24,222         |   |
| 2391 | GUARDRAIL END TREATMENT TYPE 4A              | EACH  |                                |                                | 4                             |                               |                                  |         | 2      |        |        |        |        | 2      |     | 0             | 8           | 8              |   |
| 2429 | RIGHT-OF-WAY MONUMENT TYPE 1                 | EACH  |                                |                                |                               |                               | 3                                |         | 7      |        |        |        |        |        |     | 0             | 10          | 10             |   |
| 2432 | WITNESS POST                                 | EACH  |                                |                                |                               |                               | 3                                |         |        |        |        |        |        |        |     | 0             | 3           | 3              |   |
| 2469 | CLEAN SINKHOLE                               | EACH  |                                | 7                              | 5                             |                               |                                  |         |        |        |        |        |        |        |     | 0             | 12          | 12             |   |
| 2483 | CHANNEL LINING CLASS II (18)                 | TON   | 43                             | 301                            | 91                            |                               | 5.3                              |         |        |        |        |        |        |        |     | 43            | 397.3       | 440.3          |   |
| 2484 | CHANNEL LINING CLASS III                     | TON   |                                | 98                             | 604                           |                               |                                  |         |        |        |        | 88     | 87     | 71     |     | 0             | 948         | 948            |   |
| 2545 | CLEARING AND GRUBBING (1)                    | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2555 | CONCRETE - CLASS B (4)                       | CYUYD |                                | 19                             | 14                            |                               |                                  |         |        |        |        |        |        |        |     | 0             | 33          | 33             |   |
| 2562 | SIGNS  | SQ FT |                                |                                | 1500                          |                               |                                  |         | 350    |        | 100    | 100    | 100    | 100    | 392 |               | 2,642       | 2,642          |   |
| 2568 | MOBILIZATION                                 | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 1              |   |
| 2569 | DEMobilIZATION                               | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 1              |   |
| 2570 | PROJECT CPM SCHEDULE (9)                     | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2585 | EDGE KEY                                     | LF    | 72                             |                                | 72                            | 28                            | 28                               |         | 48     | 32     |        |        |        |        |     | 100           | 180         | 280            |   |
| 2596 | FABRIC - GEOTEXTILE TYPE I (18)              | SQ YD | 83                             | 367                            | 1,466                         |                               | 11                               |         |        |        |        | 240    | 455    | 142    |     | 83            | 2681        | 2,764          |   |
| 2599 | FABRIC - GEOTEXTILE TYPE IV (4)              | SQ YD | 21,183                         | 42,604                         | 21,293                        |                               |                                  |         |        |        |        |        |        |        |     | 21,183        | 63,897      | 85,080         |   |
| 2600 | FABRIC - GEOTEXTILE TYPE IV FOR PIPE         | SQ YD | 518                            | 7,201                          | 1,780                         |                               | 128                              |         | 919    |        |        | 12     |        | 423    |     | 518           | 10,463      | 10,981         |   |
| 2625 | REMOVE HEADWALL                              | EACH  |                                |                                | 1                             |                               | 1                                |         | 2      |        |        |        |        | 2      |     | 0             | 6           | 6              |   |
| 2650 | MAINTAIN AND CONTROL TRAFFIC                 | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     | 1             | 1           | 2              |   |
| 2671 | PORTABLE CHANGEABLE MESSAGE SIGN             | EACH  | 2                              | 2                              | 10                            | 1                             | 1                                |         |        |        |        |        |        |        |     | 3             | 13          | 16             |   |
| 2676 | MOBILIZATION FOR MILLING & TEXTURING         | LS    |                                |                                |                               |                               |                                  |         |        |        |        |        |        |        |     |               | 1           | 1              | 2 |
| 2690 | SAFEOLOADING                                 | CU YD | 4.16                           | 13                             | 15                            |                               |                                  |         |        |        |        |        |        | 12     |     | 4.16          | 40          | 44.16          |   |
| 2696 | SHOULDER RUMBLE STRIPS - SAWED               | LF    | 10,184                         | 67,416                         | 36,386                        |                               |                                  |         |        |        |        |        |        |        |     | 10,184        | 103,802     | 113,986        |   |
| 2701 | TEMPORARY SILT FENCE                         | LF    | 2,546                          | 17,700                         | 9,700                         | 280                           | 446                              |         |        |        |        |        |        |        |     | 2,826         | 27,846      | 30,672         |   |

**NOTES:**

**EARTHWORK CALCULATIONS**

|         |                  |               |
|---------|------------------|---------------|
| 109,249 | COM              | (65)          |
| 384     | COM              | (2746)        |
| 4,081   | EMB BENCH        | (2746)        |
| 11      | COM              | (2747)        |
| 410     | EMB BENCH        | (2747)        |
| 12,221  | COM              | (218)         |
| 1,108   | COM              | RAMPA         |
| 1,646   | COM              | RAMPB         |
| 2,554   | COM              | RAMPC         |
| 4,092   | COM              | RAMPD         |
| 509     | COM              | RAMPD-TR      |
| 13,776  | COM              | MEDIAN ACCESS |
| 150,041 | EXC              |               |
| 149,906 | SR               |               |
| <hr/>   |                  |               |
| 299,947 | TOTAL EXCAVATION |               |
| <hr/>   |                  |               |
| 36,047  | EMB              | (65)          |
| 19,916  | EMB              | (2746)        |
| 722     | EMB              | (2747)        |
| 3,213   | EMB              | (218)         |
| 729     | EMB              | RAMPA         |
| 4,934   | EMB              | RAMPB         |
| 976     | EMB              | RAMPB-TR      |
| 715     | EMB              | RAMPC         |
| 948     | EMB              | RAMPD         |
| <hr/>   |                  |               |
| 68,200  | EMB              |               |

① APPROX. 80 ACRES (6 BARREN/74 HART)

② ASSUMES A TOTAL OF 69,003 LF OF TEMP BARRIER WALL WILL BE REQUIRED OF THAT 35,160 LF WILL BE RELOCATED AND RETURNED TO REST AREA (MP 55) AND 33,843 LF IS TO BE FURNISHED BY THE CONTRACTOR AND WILL REMAIN THE CONTRACTORS PROPERTY UPON COMPLETION OF CONSTRUCTION

③ INCLUDES QUANTITIES CARRIED OVER FROM PIPE DRAINAGE SUMMARY SHEETS

④ NOMINAL QUANTITY TO BE USED FOR CAPPING SINKHOLES & ACCESS GATES

⑤ FOR CLEANING OF EXISTING PIPES AND DROP BOXES

⑥ CONTRACTOR SHALL CONTACT AND COORDINATE WITH ANY OWNERS AND THE KYTC ALONG EXISTING FENCE THAT HAS LIVESTOCK.

⑦ CONTRARY TO STANDARD DRAWING GUARDRAIL POSTS WILL BE 7' IN LENGTH

⑧ REMOVE ALL EXIST. GUARDRAIL ALONG PROJECT LIMITS AND TRANSPORT TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKERSON BLVD. IN FRANKFORT.

⑨ THE PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL AFTER THE CPM SCHEDULE IS SUBMITTED.

⑩ 50% OF THE TOTAL LINEAR FEET OF ALL INSTALLED PIPE REGARDLESS OF MATERIAL TYPE (SEE SUPPLEMENTAL SPECIFICATIONS).

⑪ CLEAN PERMANENT CONTAINMENT FEATURE. BASED ON 3 CLEANING PER CONSTRUCTION SEASON, 2 CONSTRUCTION SEASON. NOTES CONTINUED SEE SHEET R2H

**GENERAL SUMMARY  
I-65 WIDENING**

USER: PEC\_stephen  
 DATE: 10/4/2012  
 FILE NAME: R002G0SU.dgn  
 E-SHEET NAME:

|                        |                |            |
|------------------------|----------------|------------|
| COUNTY OF              | ITEM NO.       | SHEET NO.  |
| <b>BARREN AND HART</b> | <b>3-14.00</b> | <b>R88</b> |

# MAINTENANCE OF TRAFFIC NOTES

## GENERAL

ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT STANDARD DRAWINGS AND THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL MAINTAIN TWO LANES IN EACH DIRECTION WITH A MINIMUM LANE WIDTH OF 11' EXCEPT WHERE NOTED. THE CONTRACTOR SHALL NOTIFY THE BARREN AND HART COUNTY POLICE A MINIMUM OF 2 WEEKS IN ADVANCE OF ANY CLOSURE ON MAINLINE. IF POLICE ASSISTANCE IS DEEMED NECESSARY BY THE CONTRACTOR, IT SHALL BE AT THEIR EXPENSE.

THE TEMPORARY CONCRETE BARRIER WALLS ARE TO BE CONSTRUCTED OR OBTAINED BY THE CONTRACTOR AS PER NOTE 2 ON R2G

THE CONTRACTOR WILL NOT BE ALLOWED TO HAUL EQUIPMENT OR DRIVE ACROSS THE MEDIAN FROM ONE SIDE OF THE INTERSTATE TO THE OTHER UNLESS APPROPRIATE BARRIER WALL GATES HAVE BEEN INSTALLED. ALL OTHER EQUIPMENT MOVEMENTS FROM ONE SIDE OF THE INTERSTATE TO THE OTHER SHALL UTILIZE THE NEAREST INTERCHANGE. HAULING EQUIPMENT THAT USES I-65 SHALL BE RESTRICTED TO LICENSED VEHICLES ONLY. VEHICLES SHALL NOT STOP OR PARK IN AREAS NOT DESIGNATED BY THE ENGINEER. ANY SHOULDER USED FOR A DECELERATION OR ACCELERATION LANE SHALL BE WIDENED AND PAVED TO ADEQUATELY SUPPORT HEAVY TRUCK TRAFFIC. ALL EXPENSES INCURRED TO CONSTRUCT BARRIER WALL GATES AND REMOVAL THEREOF SHALL BE BORNE BY THE CONTRACTOR AND BE INCIDENTAL TO THE CONTRACT. PAVEMENT NEEDED TO CONSTRUCT BARRIER WALL GATES INCORPORATED IN THE PERMANENT WORK SHALL BE MEASURED FOR PAYMENT.

THE CONTRACTOR SHALL EXPEDITE EXCAVATION OF ALL ROCK CUTS AND OTHER EXCAVATION IN A CONTINUOUS MANNER ONCE WORK HAS STARTED. IF THE CONTRACTOR STOPS WORK IN ANY ONE AREA FOR MORE THAN 2 DAYS, (EXCLUDING HOLIDAYS LISTED WITHIN THESE NOTES), THEN LIQUIDATED DAMAGES WILL BE ASSESSED AT THE CONTRACT RATE FOR EVERY DAY UNTIL WORK RESUMES.

IF THE CONTRACTOR DECIDES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS OR PROPOSAL, AN ALTERNATE PLAN SHALL BE SUBMITTED IN WRITING TO THE ENGINEER. THE ALTERNATE PLAN MAY BE USED ONLY IF APPROVED IN WRITING BY THE KENTUCKY DIVISION OF DESIGN, TRAFFIC, CONSTRUCTION AND FHWA.

OTHER MAINTENANCE OF TRAFFIC PROPOSALS WILL BE CONSIDERED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS; HOWEVER, ALTERNATE MAINTENANCE OF TRAFFIC SCHEMES WILL NOT BE SUBJECT TO VALUE ENGINEERING UNDER SECTION III.

THE REQUIREMENTS FOR ALTERNATE MAINTENANCE OF TRAFFIC SCHEMES SHALL BE AT LEAST 11 FOOT LANES FOR THROUGH TRAFFIC. TWO LANES PER DIRECTION SHALL BE OPEN TO TRAFFIC AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE IN SAG AREAS AT MEDIAN INLETS. WHEN THE MEDIAN IS USED AS A TRAVEL LANE AND BEFORE FINISHED ASPHALT IS PLACED, WEDGING IS REQUIRED AT ALL DRAINAGE INLETS. WEDGING IS INCIDENTAL TO THE DRAINAGE INLET. ALL SILT TRAP TYPE C MUST BE REMOVED FROM ALL MEDIAN INLETS PRIOR TO TRAFFIC BEING ALLOWED IN MEDIAN.

THE CONTRACTOR SHALL SUBMIT IN WRITING, PLANS FOR APPROVAL BY THE DEPARTMENT AND THE FHWA BEFORE STOPPING TRAFFIC.

NORMAL CONSIDERATION SHOULD BE GIVEN TO PROPERTY OWNERS FOR THEIR ACCESS.

REPAIR AND/OR UPGRADE PAVEMENT ALONG AND ACROSS EXISTING ROADS WHERE CONSTRUCTION TRAFFIC CROSSES. ACCESS TO ALL PUBLIC ROADS IS TO BE MAINTAINED EXCEPT AS INDICATED IN THE MAINTENANCE OF TRAFFIC NOTES.

CONSTRUCT EROSION CONTROLS AT POINTS WHERE RUNOFF LEAVES THE PROJECT SITE. BEGIN EARTHWORK, UTILIZING TEMPORARY DIVERSION DITCHES TO DIRECT RUNOFF TO EROSION CONTROLS.

THE CONTRACTOR MUST NOTIFY THE DISTRICT PUBLIC INFORMATION OFFICE (PIO), KEIRSTEN JAGGER (DISTRICT 3), AT 270-746-7898 (OFFICE) OR 270-202-0446 (CELL) AND CHRIS JESSIE (DISTRICT 4) 270-401-3193 (OFFICE) WITHIN THE FOLLOWING TIME FRAMES OF PENDING CHANGES IN THEIR WORK SCHEDULE WHICH WILL AFFECT TRAFFIC PATTERNS:

- 1) AT LEAST FOURTEEN (14) DAYS PRIOR TO BEGINNING PHASE I CONSTRUCTION IN EITHER DIRECTION
- 2) AT LEAST FIVE (5) DAYS PRIOR TO A RAMP CLOSURE
- 3) IF A DECISION IS MADE NOT TO CLOSE A RAMP, NOTICE MUST BE GIVEN TO THE PIO 5 DAYS PRIOR TO THE PROPOSED CLOSURE.

WHEN CONSTRUCTION WITHIN 8 FEET OF THE TRAVELED WAY IS IN PROGRESS AND/OR WHEN INSTALLING BARRIER WALL ADJACENT TO A TRAVELED WAY, ONE LANE MAY BE CLOSED. LANE CLOSURES SHALL ONLY BE DURING HOURS OF "LOW TRAFFIC VOLUMES" AS OUTLINED IN THESE TRAFFIC CONTROL NOTES. ALL SIGN PLACEMENT SHALL ALSO BE DONE DURING HOURS OF "LOW TRAFFIC VOLUMES".

ONCE CONSTRUCTION ADJACENT TO A TRAVELED WAY HAS BEGUN, THAT CONSTRUCTION SHALL BE EXPEDITED UNTIL COMPLETED. IF CONSTRUCTION CANNOT BE COMPLETED DURING ONE PERIOD OF "LOW TRAFFIC VOLUMES", THE CONTRACTOR SHALL REMOVE THE LANE CLOSURE AND SHALL PROVIDE THE PROPER SIGNING AND DELINEATION FOR A SHOULDER CLOSURE.

CONTRARY TO THE SPECIFICATIONS, LANE CLOSURE WILL NOT BE A PAY ITEM ON THE CONTRACT AND ALL SIGNS, LABOR, DELINEATORS, ETC, FOR LANE CLOSURES SHALL BE INCIDENTAL TO THE BID ITEM "MAINTAIN & CONTROL TRAFFIC".

## SHOULDER CLOSURES

IN OPEN CONSTRUCTION AREAS WITHIN 30 FEET OF THE EDGE OF A TRAVELED WAY THE SHOULDER SHALL BE CLOSED UNLESS POSITIVE SEPARATION HAS BEEN PROVIDED. USE STANDARD DRAWING TTC-135 CURRENT EDITION (SHOULDER CLOSURE) FOR DELINEATION OF OPEN CONSTRUCTION AREAS ADJACENT TO PAVEMENT. DRUMS OR BARRICADES MAY BE REQUIRED BY THE ENGINEER REGARDLESS OF THE TIME OF SHOULDER CLOSURE.

## HOURS OF LOW TRAFFIC VOLUMES

IN THESE NOTES AND FOLLOWING SEQUENCE OF CONSTRUCTION, THE PHRASE "HOURS OF LOW TRAFFIC VOLUMES" IS USED TO SPECIFY A PERIOD OF TIME IN WHICH A LANE CLOSURE MAY BE INSTALLED FOR CONSTRUCTION OPERATIONS ADJACENT TO A TRAVELED WAY. LISTED BELOW ARE THE HOURS OF LOW TRAFFIC VOLUMES.

PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION SEQUENCE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE PERIOD OF TIME SELECTED. THE ENGINEER, AT HIS DISCRETION, CAN CANCEL OR SHORTEN ANY PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE. IF THE ENGINEER SHORTENS A PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND INSTALL PROPER TRAFFIC CONTROL DEVICES.

|                            |                            |
|----------------------------|----------------------------|
| <b>SOUTHBOUND</b>          | <b>NORTHBOUND</b>          |
| MON 7:00 PM - TUE 7:00 AM  | MON 7:00 PM - TUE 7:00 AM  |
| TUE 7:00 PM - WED 7:00 AM  | TUE 7:00 PM - WED 7:00 AM  |
| WED 7:00 PM - THU 7:00 AM  | WED 7:00 PM - THU 7:00 AM  |
| THU 7:00 PM - FRI 7:00 AM  | THU 7:00 PM - FRI 7:00 AM  |
| FRI 10:00 PM - SAT 7:00 AM | FRI 8:00 PM - SAT 7:00 AM  |
| SAT 7:00 PM - SUN 7:00 AM  | SAT 7:00 PM - SUN 7:00 AM  |
| SUN 7:00 PM - MON 7:00 AM  | SUN 10:00 PM - MON 7:00 AM |

## HOURS OF MINIMUM TRAFFIC VOLUMES

IN THESE NOTES AND FOLLOWING SEQUENCE OF CONSTRUCTION, THE PHRASE "HOURS OF MINIMUM TRAFFIC VOLUMES" IS USED TO SPECIFY A TIME FRAME IN WHICH A ROADWAY CAN BE COMPLETELY CLOSED BETWEEN TWO ADJACENT INTERCHANGES IN ORDER TO PERFORM A PARTICULAR CONSTRUCTION SEQUENCE. LISTED BELOW ARE PERIODS OF TIME EACH WEEK THAT ARE CONSIDERED "HOURS OF MINIMUM TRAFFIC VOLUMES". PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION SEQUENCE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE PERIOD TIME SELECTED. THE ENGINEER, AT HIS DISCRETION, CAN CANCEL OR SHORTEN TIME PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE. IF THE ENGINEER SHORTENS A PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND INSTALL PROPER TRAFFIC CONTROL DEVICES. THE TIME A CONTRACTOR CAN COMPLETELY CLOSE DOWN THE ROADWAY SHALL NOT EXCEED 15 MINUTES. THESE INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE OFTEN THAN ONCE IN A SINGLE PERIOD OF "MINIMUM TRAFFIC VOLUMES" UNLESS TRAFFIC HAS BEEN RESTORED IN THE OPINION OF THE ENGINEER.

|                            |                            |
|----------------------------|----------------------------|
| <b>SOUTHBOUND</b>          | <b>NORTHBOUND</b>          |
| MON 10:00 PM - TUE 5:00 AM | MON 10:00 PM - TUE 5:00 AM |
| TUE 10:00 PM - WED 5:00 AM | TUE 10:00 PM - WED 5:00 AM |
| WED 10:00 PM - THU 5:00 AM | WED 10:00 PM - THU 5:00 AM |
| THU 10:00 PM - FRI 5:00 AM | THU 10:00 PM - FRI 5:00 AM |
| FRI MIDNIGHT - SAT 5:00 AM | FRI MIDNIGHT - SAT 5:00 AM |
| SAT MIDNIGHT - SUN 5:00 AM | SAT MIDNIGHT - SUN 5:00 AM |
| SUN MIDNIGHT - MON 5:00 AM | SUN MIDNIGHT - MON 5:00 AM |

## HOLIDAYS AND SPECIAL EVENTS

LISTED BELOW ARE DATES AND TIMES FOR HOLIDAYS AND SPECIAL EVENTS WHEN ROAD CLOSURES, LANE CLOSURES AND BLASTING WILL NOT BE ALLOWED.

|                    |  |
|--------------------|--|
| 2012               |  |
| THANKSGIVING       | 6:00 AM NOVEMBER 21 TO 6:00 AM NOVEMBER 26 |
| CHRISTMAS/NEWYEARS | 6:00 AM DECEMBER 17 TO 6:00 AM JANUARY 2   |

|  |  |
|--|--|
| 2013   |  |
| KEA (SPRING BREAK) TO BE DETERMINED BY THE DEPARTMENT. |  |
| EASTER   | 6:00 AM MARCH 31 TO 6:00 AM APRIL 1      |
| MEMORIAL DAY   | 6:00 AM MAY 24 TO 6:00 AM MAY 28         |
| JULY 4TH   | 6:00 AM JULY 3 TO 6:00 AM JULY 8         |
| LABOR DAY  | 6:00 AM AUGUST 30 TO 6:00 AM SEPTEMBER 3 |

FUTURE HOLIDAY DATES SHALL BE DETERMINED BY THE DEPARTMENT IF NECESSARY, COMPARABLE TO ABOVE DATES. THE ABOVE DATES ARE SUBJECT TO CHANGE IF THE DEPARTMENT DEEMS NECESSARY.

## PAVEMENT EDGE DROP-OFFS

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 1/2 INCHES. THIS MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER:

LESS THAN 1/2 INCH - NO PROTECTION REQUIRED.

1/2 TO 2 INCHES - WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

2 TO 4 INCHES - PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES SHALL BE PLACED EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR AND EVERY 100 FEET FOR SPEEDS OF 50 MILES PER HOUR AND GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, VERTICAL PANELS, AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

4 INCHES AND GREATER - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 5 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS 4 INCHES AND GREATER MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES FOR SHORT DISTANCES WHILE WORK IS BEING DONE IN THE DROP-OFF AREA IF THERE IS 8 FEET OR MORE OF SEPERATION BETWEEN DROP OFF AND TRAVELED WAY.

PAYMENT WILL BE ALLOWED FOR CSB MATERIAL USED FOR WEDGING.

## DOUBLE FINE NOTE

LOCATIONS NOT ROUTINELY PROTECTED BY A BARRIER WALL ARE ELIGIBLE FOR DOUBLE FINE SIGNS. A HIGHWAY ZONE WHICH HAS BARRIER WALLS BUT IN WHICH UNUSUAL OR HAZARDOUS CONDITIONS EXIST WHICH EXPOSE THE WORKERS TO TRAFFIC HAZARDS SHALL ALSO BE ELIGIBLE FOR DOUBLE FINE SIGNS. HOWEVER, THE SIGNS SHALL ONLY BE PLACED IN PORTIONS OF WORK ZONES IN WHICH WORKERS ARE EXPOSED TO TRAFFIC HAZARDS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 12 HOURS PRIOR TO USING DOUBLE FINE SIGNS.

AT THE BEGINNING OF THE HIGHWAY WORK ZONE, THE "FINE DOUBLED IN WORK ZONE" SIGN SHALL BE PLACED. AT THE END OF THE WORK ZONE THE "END DOUBLE FINE" SIGN SHALL BE PLACED. THE SIGNS SHALL BE COVERED OR REMOVED WHEN THE HIGHWAY WORK ZONE DOES NOT HAVE WORKERS FOR MORE THAN A 2 HOUR PERIOD.

PAYMENT FOR THE SIGNS SHALL BE MADE AT THE UNIT BID PRICE FOR SIGNS ERECTED. THE MOVING AND COVERING OF SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM SIGNS.

## TEMPORARY BARRIER WALL DELINEATORS

CONTRARY TO THE STANDARD DRAWINGS BARRIER WALL DELINEATORS SHALL BE INSTALLED EVERY 25 FEET.

## LIQUIDATED DAMAGES AND DISINCENTIVES

THE FOLLOWING DAMAGES SHALL BE ASSESSED IF ROAD CLOSURES ARE KEPT FOR LONGER THAN 15 MINUTES.

|                  |             |
|------------------|-------------|
| 15 TO 30 MINUTES | \$1,000.00  |
| 30 TO 45 MINUTES | \$2,000.00  |
| 45 TO 60 MINUTES | \$15,000.00 |

ALL ROAD CLOSURES LEFT IN PLACE FOR MORE THAN 60 MINUTES WILL BE ASSESSED DAMAGES OF \$15,000.00 PER HOUR OR FRACTION THEREOF. DISINCENTIVES OF \$1,300.00 PER LANE CLOSURE PER HOUR WILL BE CHARGED EACH HOUR OR FRACTION OF AN HOUR THAT TWO LANES IN EACH DIRECTION ARE NOT OPEN EXCEPT FOR PERMITTED HOURS DURING HOURS OF LOW TRAFFIC VOLUME. THE \$1,300.00 DISINCENTIVE SHALL ALSO APPLY TO ANY SINGLE LANE OF TRAFFIC NOT SPECIFICALLY PERMITTED IN THE TRAFFIC CONTROL PLAN. LANE CLOSURES IN PLACE FOR MORE THAN ONE HOUR IN EXPRESS OF PERMITTED HOURS WILL BE ASSESSED AT A GREATER RATE. THE SECOND HOUR OR FRACTION THEREOF WILL BE ASSESSED AT THE RATE OF \$2,600.00 PER HOUR. THE THIRD HOUR OR FRACTION THEREOF AND ALL ADDITIONAL HOURS SHALL BE ASSESSED AT THE RATE \$15,000.00 PER HOUR.

## SIGNS

ADDITIONAL TRAFFIC CONTROL SIGNS IN ADDITION TO NORMAL LANE CLOSURE SIGNING DETAILED ON THE LANE CLOSURE STANDARD DRAWINGS MAY BE REQUIRED BY THE ENGINEER. ADDITIONAL SIGNS NEEDED FOR LANE CLOSURES MAY INCLUDE, BUT ARE NOT LIMITED TO DUAL MOUNTED LEFT/RIGHT LANE CLOSED 1 MILE, LEFT/RIGHT LANE CLOSED 2 MILE, LEFT/RIGHT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD, KEEP RIGHT, KEEP LEFT, ETC.

CONTRARY TO SECTION 112.04.02, LOW SHOULDER SIGNS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE INCIDENTAL TO MAINTAIN & CONTROL TRAFFIC. CONTRARY TO SECTION 112.04.02 ONLY LONG TERM SIGNS (SIGNS INTENDED TO BE CONTINUOUSLY IN PLACE FOR MORE THAN THREE DAYS) WILL BE MEASURED FOR PAYMENT; SHORT TERM SIGNS (SIGNS INTENDED TO BE LEFT IN PLACE FOR THREE DAYS OR LESS) WILL NOT BE MEASURED FOR PAYMENT BUT WILL INCIDENTAL TO MAINTAIN & CONTROL TRAFFIC. INDIVIDUAL SIGNS WILL BE MEASURED ONLY ONCE FOR PAYMENT, REGARDLESS OF HOW MANY TIMES THEY ARE SET, RESET, REMOVED, AND RELOCATED DURING THE DURATION OF THE PROJECT. REPLACEMENTS FOR DAMAGED SIGNS DIRECTED BY THE ENGINEER TO BE REPLACED DUE TO POOR CONDITION OR REFLECTIVITY WILL NOT BE MEASURED FOR PAYMENT. TEMPORARY TRAFFIC CONTROL DEVICES (I.E. PAVEMENT MARKINGS AND SIGNS) SHALL BE REMOVED AS SOON AS POSSIBLE WHEN THEY ARE NO LONGER NEEDED AS PER THE MUTCD PART 6 CHAPTER 6B. PAVEMENT MARKINGS CONTRARY TO CURRENT TRAFFIC PATTERNS MUST BE COVERED OR REMOVED IMMEDIATELY WHEN IN CONFORMANCE WITH CURRENT TRAFFIC PATTERNS AND NO LONGER APPROPRIATE.

## PORTABLE CHANGEABLE MESSAGE SIGNS

PROVIDE A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS IN ADVANCE OF OR ON THE PROJECT AT LOCATIONS TO BE DETERMINED BY THE ENGINEER. IF WORK IS IN PROGRESS CONCURRENTLY IN BOTH DIRECTIONS OF TRAVEL, PROVIDE ADDITIONAL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER. THE LOCATIONS DESIGNATED MAY VARY AS THE WORK PROGRESSES. THE MESSAGE REQUIRED TO BE PROVIDED SHALL BE DESIGNATED BY THE ENGINEER. THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN OPERATION AT ALL TIMES. IN THE EVENT OF DAMAGE OR MECHANICAL/ELECTRICAL FAILURE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE THE PORTABLE CHANGEABLE MESSAGE SIGN. PORTABLE CHANGEABLE MESSAGE SIGNS WILL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER CONSTRUCTION IS COMPLETE.

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

USER: PEC stephen  
 DATE: 10/4/2012  
 FILE NAME: R0880MT.dgn  
 E-SHEET NAME: R0880MT.dgn  
 10/4/2012

FOR MAINTENANCE OF  
 TRAFFIC ONLY

MAINTENANCE OF TRAFFIC NOTES

|                 |          |           |
|-----------------|----------|-----------|
| COUNTY OF       | ITEM NO. | SHEET NO. |
| BARREN AND HART | 3-14.00  | R88       |

△ REVISED 10-4-12

# MAINTENANCE OF TRAFFIC NOTES

## GENERAL

ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT STANDARD DRAWINGS AND THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL MAINTAIN TWO LANES IN EACH DIRECTION WITH A MINIMUM LANE WIDTH OF 11' EXCEPT WHERE NOTED. THE CONTRACTOR SHALL NOTIFY THE BARREN AND HART COUNTY POLICE A MINIMUM OF 2 WEEKS IN ADVANCE OF ANY CLOSURE ON MAINLINE. IF POLICE ASSISTANCE IS DEEMED NECESSARY BY THE CONTRACTOR, IT SHALL BE AT THEIR EXPENSE.

THE TEMPORARY CONCRETE BARRIER WALLS ARE TO BE CONSTRUCTED OR OBTAINED BY THE CONTRACTOR AS PER NOTE 2 ON R2G

THE CONTRACTOR WILL NOT BE ALLOWED TO HAUL EQUIPMENT OR DRIVE ACROSS THE MEDIAN FROM ONE SIDE OF THE INTERSTATE TO THE OTHER UNLESS APPROPRIATE BARRIER WALL GATES HAVE BEEN INSTALLED. ALL OTHER EQUIPMENT MOVEMENTS FROM ONE SIDE OF THE INTERSTATE TO THE OTHER SHALL UTILIZE THE NEAREST INTERCHANGE. HAULING EQUIPMENT THAT USES I-65 SHALL BE RESTRICTED TO LICENSED VEHICLES ONLY. VEHICLES SHALL NOT STOP OR PARK IN AREAS NOT DESIGNATED BY THE ENGINEER. ANY SHOULDER USED FOR A DECELERATION OR ACCELERATION LANE SHALL BE WIDENED AND PAVED TO ADEQUATELY SUPPORT HEAVY TRUCK TRAFFIC. ALL EXPENSES INCURRED TO CONSTRUCT BARRIER WALL GATES AND REMOVAL THEREOF SHALL BE BORNE BY THE CONTRACTOR AND BE INCIDENTAL TO THE CONTRACT. PAVEMENT NEEDED TO CONSTRUCT BARRIER WALL GATES INCORPORATED IN THE PERMANENT WORK SHALL BE MEASURED FOR PAYMENT.

THE CONTRACTOR SHALL EXPEDITE EXCAVATION OF ALL ROCK CUTS AND OTHER EXCAVATION IN A CONTINUOUS MANNER ONCE WORK HAS STARTED. IF THE CONTRACTOR STOPS WORK IN ANY ONE AREA FOR MORE THAN 2 DAYS, (EXCLUDING HOLIDAYS LISTED WITHIN THESE NOTES), THEN LIQUIDATED DAMAGES WILL BE ASSESSED AT THE CONTRACT RATE FOR EVERY DAY UNTIL WORK RESUMES.

IF THE CONTRACTOR DECIDES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS OR PROPOSAL, AN ALTERNATE PLAN SHALL BE SUBMITTED IN WRITING TO THE ENGINEER. THE ALTERNATE PLAN MAY BE USED ONLY IF APPROVED IN WRITING BY THE KENTUCKY DIVISION OF DESIGN, TRAFFIC, CONSTRUCTION AND FHWA.

OTHER MAINTENANCE OF TRAFFIC PROPOSALS WILL BE CONSIDERED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS; HOWEVER, ALTERNATE MAINTENANCE OF TRAFFIC SCHEMES WILL NOT BE SUBJECT TO VALUE ENGINEERING UNDER SECTION III.

THE REQUIREMENTS FOR ALTERNATE MAINTENANCE OF TRAFFIC SCHEMES SHALL BE AT LEAST 11 FOOT LANES FOR THROUGH TRAFFIC. TWO LANES PER DIRECTION SHALL BE OPEN TO TRAFFIC AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE IN SAG AREAS AT MEDIAN INLETS. WHEN THE MEDIAN IS USED AS A TRAVEL LANE AND BEFORE FINISHED ASPHALT IS PLACED, WEDGING IS REQUIRED AT ALL DRAINAGE INLETS. WEDGING IS INCIDENTAL TO THE DRAINAGE INLET. ALL SILT TRAP TYPE C MUST BE REMOVED FROM ALL MEDIAN INLETS PRIOR TO TRAFFIC BEING ALLOWED IN MEDIAN.

THE CONTRACTOR SHALL SUBMIT IN WRITING, PLANS FOR APPROVAL BY THE DEPARTMENT AND THE FHWA BEFORE STOPPING TRAFFIC.

NORMAL CONSIDERATION SHOULD BE GIVEN TO PROPERTY OWNERS FOR THEIR ACCESS.

REPAIR AND/OR UPGRADE PAVEMENT ALONG AND ACROSS EXISTING ROADS WHERE CONSTRUCTION TRAFFIC CROSSES. ACCESS TO ALL PUBLIC ROADS IS TO BE MAINTAINED EXCEPT AS INDICATED IN THE MAINTENANCE OF TRAFFIC NOTES.

CONSTRUCT EROSION CONTROLS AT POINTS WHERE RUNOFF LEAVES THE PROJECT SITE. BEGIN EARTHWORK, UTILIZING TEMPORARY DIVERSION DITCHES TO DIRECT RUNOFF TO EROSION CONTROLS.

THE CONTRACTOR MUST NOTIFY THE DISTRICT PUBLIC INFORMATION OFFICE (PIO), KEIRSTEN JAGGER (DISTRICT 3), AT 270-746-7898 (OFFICE) OR 270-202-0446 (CELL) AND CHRIS JESSIE (DISTRICT 4) 270-401-3193 (OFFICE) WITHIN THE FOLLOWING TIME FRAMES OF PENDING CHANGES IN THEIR WORK SCHEDULE WHICH WILL AFFECT TRAFFIC PATTERNS:

- 1) AT LEAST FOURTEEN (14) DAYS PRIOR TO BEGINNING PHASE I CONSTRUCTION IN EITHER DIRECTION
- 2) AT LEAST FIVE (5) DAYS PRIOR TO A RAMP CLOSURE
- 3) IF A DECISION IS MADE NOT TO CLOSE A RAMP, NOTICE MUST BE GIVEN TO THE PIO 5 DAYS PRIOR TO THE PROPOSED CLOSURE.

LANE CLOSURES  
WHEN CONSTRUCTION WITHIN 8 FEET OF THE TRAVELED WAY IS IN PROGRESS AND/OR WHEN INSTALLING BARRIER WALL ADJACENT TO A TRAVELED WAY, ONE LANE MAY BE CLOSED. LANE CLOSURES SHALL ONLY BE DURING HOURS OF "LOW TRAFFIC VOLUMES" AS OUTLINED IN THESE TRAFFIC CONTROL NOTES. ALL SIGN PLACEMENT SHALL ALSO BE DONE DURING HOURS OF "LOW TRAFFIC VOLUMES".

ONCE CONSTRUCTION ADJACENT TO A TRAVELED WAY HAS BEGUN, THAT CONSTRUCTION SHALL BE EXPEDITED UNTIL COMPLETED. IF CONSTRUCTION CANNOT BE COMPLETED DURING ONE PERIOD OF "LOW TRAFFIC VOLUMES", THE CONTRACTOR SHALL REMOVE THE LANE CLOSURE AND SHALL PROVIDE THE PROPER SIGNING AND DELINEATION FOR A SHOULDER CLOSURE.

CONTRARY TO THE SPECIFICATIONS, LANE CLOSURE WILL NOT BE A PAY ITEM ON THE CONTRACT AND ALL SIGNS, LABOR, DELINEATORS, ETC, FOR LANE CLOSURES SHALL BE INCIDENTAL TO THE BID ITEM "MAINTAIN & CONTROL TRAFFIC".

## SHOULDER CLOSURES

IN OPEN CONSTRUCTION AREAS WITHIN 30 FEET OF THE EDGE OF A TRAVELED WAY THE SHOULDER SHALL BE CLOSED UNLESS POSITIVE SEPARATION HAS BEEN PROVIDED. USE STANDARD DRAWING TTC-135 CURRENT EDITION (SHOULDER CLOSURE) FOR DELINEATION OF OPEN CONSTRUCTION AREAS ADJACENT TO PAVEMENT. DRUMS OR BARRICADES MAY BE REQUIRED BY THE ENGINEER REGARDLESS OF THE TIME OF SHOULDER CLOSURE.

## HOURS OF LOW TRAFFIC VOLUMES

IN THESE NOTES AND FOLLOWING SEQUENCE OF CONSTRUCTION, THE PHRASE "HOURS OF LOW TRAFFIC VOLUMES" IS USED TO SPECIFY A PERIOD OF TIME IN WHICH A LANE CLOSURE MAY BE INSTALLED FOR CONSTRUCTION OPERATIONS ADJACENT TO A TRAVELED WAY. LISTED BELOW ARE THE HOURS OF LOW TRAFFIC VOLUMES.

PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION SEQUENCE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE PERIOD OF TIME SELECTED. THE ENGINEER, AT HIS DISCRETION, CAN CANCEL OR SHORTEN ANY PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE. IF THE ENGINEER SHORTENS A PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND INSTALL PROPER TRAFFIC CONTROL DEVICES.

|                            |                            |
|----------------------------|----------------------------|
| <b>SOUTHBOUND</b>          | <b>NORTHBOUND</b>          |
| MON 7:00 PM - TUE 7:00 AM  | MON 7:00 PM - TUE 7:00 AM  |
| TUE 7:00 PM - WED 7:00 AM  | TUE 7:00 PM - WED 7:00 AM  |
| WED 7:00 PM - THU 7:00 AM  | WED 7:00 PM - THU 7:00 AM  |
| THU 7:00 PM - FRI 7:00 AM  | THU 7:00 PM - FRI 7:00 AM  |
| FRI 10:00 PM - SAT 7:00 AM | FRI 8:00 PM - SAT 7:00 AM  |
| SAT 7:00 PM - SUN 7:00 AM  | SAT 7:00 PM - SUN 7:00 AM  |
| SUN 7:00 PM - MON 7:00 AM  | SUN 10:00 PM - MON 7:00 AM |

## HOURS OF MINIMUM TRAFFIC VOLUMES

IN THESE NOTES AND FOLLOWING SEQUENCE OF CONSTRUCTION, THE PHRASE "HOURS OF MINIMUM TRAFFIC VOLUMES" IS USED TO SPECIFY A TIME FRAME IN WHICH A ROADWAY CAN BE COMPLETELY CLOSED BETWEEN TWO ADJACENT INTERCHANGES IN ORDER TO PERFORM A PARTICULAR CONSTRUCTION SEQUENCE. LISTED BELOW ARE PERIODS OF TIME EACH WEEK THAT ARE CONSIDERED "HOURS OF MINIMUM TRAFFIC VOLUMES". PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION SEQUENCE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE PERIOD TIME SELECTED. THE ENGINEER, AT HIS DISCRETION, CAN CANCEL OR SHORTEN TIME PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE. IF THE ENGINEER SHORTENS A PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND INSTALL PROPER TRAFFIC CONTROL DEVICES. THE TIME A CONTRACTOR CAN COMPLETELY CLOSE DOWN THE ROADWAY SHALL NOT EXCEED 15 MINUTES. THESE INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE OFTEN THAN ONCE IN A SINGLE PERIOD OF "MINIMUM TRAFFIC VOLUMES" UNLESS TRAFFIC HAS BEEN RESTORED IN THE OPINION OF THE ENGINEER.

|                            |                            |
|----------------------------|----------------------------|
| <b>SOUTHBOUND</b>          | <b>NORTHBOUND</b>          |
| MON 10:00 PM - TUE 5:00 AM | MON 10:00 PM - TUE 5:00 AM |
| TUE 10:00 PM - WED 5:00 AM | TUE 10:00 PM - WED 5:00 AM |
| WED 10:00 PM - THU 5:00 AM | WED 10:00 PM - THU 5:00 AM |
| THU 10:00 PM - FRI 5:00 AM | THU 10:00 PM - FRI 5:00 AM |
| FRI MIDNIGHT - SAT 5:00 AM | FRI MIDNIGHT - SAT 5:00 AM |
| SAT MIDNIGHT - SUN 5:00 AM | SAT MIDNIGHT - SUN 5:00 AM |
| SUN MIDNIGHT - MON 5:00 AM | SUN MIDNIGHT - MON 5:00 AM |

## HOLIDAYS AND SPECIAL EVENTS

LISTED BELOW ARE DATES AND TIMES FOR HOLIDAYS AND SPECIAL EVENTS WHEN ROAD CLOSURES, LANE CLOSURES AND BLASTING WILL NOT BE ALLOWED.

|                    |  |
|--------------------|--|
| 2012               |  |
| THANKSGIVING       | 6:00 AM NOVEMBER 21 TO 6:00 AM NOVEMBER 26 |
| CHRISTMAS/NEWYEARS | 6:00 AM DECEMBER 17 TO 6:00 AM JANUARY 2   |

|  |  |
|--|--|
| 2013   |  |
| KEA (SPRING BREAK) TO BE DETERMINED BY THE DEPARTMENT. |  |
| EASTER   | 6:00 AM MARCH 31 TO 6:00 AM APRIL 1      |
| MEMORIAL DAY   | 6:00 AM MAY 24 TO 6:00 AM MAY 28         |
| JULY 4TH   | 6:00 AM JULY 3 TO 6:00 AM JULY 8         |
| LABOR DAY  | 6:00 AM AUGUST 30 TO 6:00 AM SEPTEMBER 3 |

FUTURE HOLIDAY DATES SHALL BE DETERMINED BY THE DEPARTMENT IF NECESSARY, COMPARABLE TO ABOVE DATES. THE ABOVE DATES ARE SUBJECT TO CHANGE IF THE DEPARTMENT DEEMS NECESSARY.

## PAVEMENT EDGE DROP-OFFS

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 1/2 INCHES. THIS MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER:

LESS THAN 1/2 INCH - NO PROTECTION REQUIRED.

1/2 TO 2 INCHES - WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

2 TO 4 INCHES - PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES SHALL BE PLACED EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR AND EVERY 100 FEET FOR SPEEDS OF 50 MILES PER HOUR AND GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, VERTICAL PANELS, AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

4 INCHES AND GREATER - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 5 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS 4 INCHES AND GREATER MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES FOR SHORT DISTANCES WHILE WORK IS BEING DONE IN THE DROP-OFF AREA IF THERE IS 8 FEET OR MORE OF SEPERATION BETWEEN DROP OFF AND TRAVELED WAY.

PAYMENT WILL BE ALLOWED FOR CSB MATERIAL USED FOR WEDGING.

## DOUBLE FINE NOTE

LOCATIONS NOT ROUTINELY PROTECTED BY A BARRIER WALL ARE ELIGIBLE FOR DOUBLE FINE SIGNS. A HIGHWAY ZONE WHICH HAS BARRIER WALLS BUT IN WHICH UNUSUAL OR HAZARDOUS CONDITIONS EXIST WHICH EXPOSE THE WORKERS TO TRAFFIC HAZARDS SHALL ALSO BE ELIGIBLE FOR DOUBLE FINE SIGNS. HOWEVER, THE SIGNS SHALL ONLY BE PLACED IN PORTIONS OF WORK ZONES IN WHICH WORKERS ARE EXPOSED TO TRAFFIC HAZARDS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 12 HOURS PRIOR TO USING DOUBLE FINE SIGNS.

AT THE BEGINNING OF THE HIGHWAY WORK ZONE, THE "FINE DOUBLED IN WORK ZONE" SIGN SHALL BE PLACED. AT THE END OF THE WORK ZONE THE "END DOUBLE FINE" SIGN SHALL BE PLACED. THE SIGNS SHALL BE COVERED OR REMOVED WHEN THE HIGHWAY WORK ZONE DOES NOT HAVE WORKERS FOR MORE THAN A 2 HOUR PERIOD.

PAYMENT FOR THE SIGNS SHALL BE MADE AT THE UNIT BID PRICE FOR SIGNS ERECTED. THE MOVING AND COVERING OF SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM SIGNS.

## TEMPORARY BARRIER WALL DELINEATORS

CONTRARY TO THE STANDARD DRAWINGS BARRIER WALL DELINEATORS SHALL BE INSTALLED EVERY 25 FEET.

## LIQUIDATED DAMAGES AND DISINCENTIVES

THE FOLLOWING DAMAGES SHALL BE ASSESSED IF ROAD CLOSURES ARE KEPT FOR LONGER THAN 15 MINUTES.

|                  |             |
|------------------|-------------|
| 15 TO 30 MINUTES | \$1,000.00  |
| 30 TO 45 MINUTES | \$2,000.00  |
| 45 TO 60 MINUTES | \$15,000.00 |

ALL ROAD CLOSURES LEFT IN PLACE FOR MORE THAN 60 MINUTES WILL BE ASSESSED DAMAGES OF \$15,000.00 PER HOUR OR FRACTION THEREOF. DISINCENTIVES OF \$1,300.00 PER LANE CLOSURE PER HOUR WILL BE CHARGED EACH HOUR OR FRACTION OF AN HOUR THAT TWO LANES IN EACH DIRECTION ARE NOT OPEN EXCEPT FOR PERMITTED HOURS DURING HOURS OF LOW TRAFFIC VOLUME. THE \$1,300.00 DISINCENTIVE SHALL ALSO APPLY TO ANY SINGLE LANE OF TRAFFIC NOT SPECIFICALLY PERMITTED IN THE TRAFFIC CONTROL PLAN. LANE CLOSURES IN PLACE FOR MORE THAN ONE HOUR IN EXPRESS OF PERMITTED HOURS WILL BE ASSESSED AT A GREATER RATE. THE SECOND HOUR OR FRACTION THEREOF WILL BE ASSESSED AT THE RATE OF \$2,600.00 PER HOUR. THE THIRD HOUR OR FRACTION THEREOF AND ALL ADDITIONAL HOURS SHALL BE ASSESSED AT THE RATE \$15,000.00 PER HOUR.

## SIGNS

ADDITIONAL TRAFFIC CONTROL SIGNS IN ADDITION TO NORMAL LANE CLOSURE SIGNING DETAILED ON THE LANE CLOSURE STANDARD DRAWINGS MAY BE REQUIRED BY THE ENGINEER. ADDITIONAL SIGNS NEEDED FOR LANE CLOSURES MAY INCLUDE, BUT ARE NOT LIMITED TO DUAL MOUNTED LEFT/RIGHT LANE CLOSED 1 MILE, LEFT/RIGHT LANE CLOSED 2 MILE, LEFT/RIGHT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD, KEEP RIGHT, KEEP LEFT, ETC.

CONTRARY TO SECTION 112.04.02, LOW SHOULDER SIGNS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE INCIDENTAL TO MAINTAIN & CONTROL TRAFFIC. CONTRARY TO SECTION 112.04.02 ONLY LONG TERM SIGNS (SIGNS INTENDED TO BE CONTINUOUSLY IN PLACE FOR MORE THAN THREE DAYS) WILL BE MEASURED FOR PAYMENT; SHORT TERM SIGNS (SIGNS INTENDED TO BE LEFT IN PLACE FOR THREE DAYS OR LESS) WILL NOT BE MEASURED FOR PAYMENT BUT WILL INCIDENTAL TO MAINTAIN & CONTROL TRAFFIC. INDIVIDUAL SIGNS WILL BE MEASURED ONLY ONCE FOR PAYMENT, REGARDLESS OF HOW MANY TIMES THEY ARE SET, RESET, REMOVED, AND RELOCATED DURING THE DURATION OF THE PROJECT. REPLACEMENTS FOR DAMAGED SIGNS DIRECTED BY THE ENGINEER TO BE REPLACED DUE TO POOR CONDITION OR REFLECTIVITY WILL NOT BE MEASURED FOR PAYMENT. TEMPORARY TRAFFIC CONTROL DEVICES (I.E. PAVEMENT MARKINGS AND SIGNS) SHALL BE REMOVED AS SOON AS POSSIBLE WHEN THEY ARE NO LONGER NEEDED AS PER THE MUTCD PART 6 CHAPTER 6B. PAVEMENT MARKINGS CONTRARY TO CURRENT TRAFFIC PATTERNS MUST BE COVERED OR REMOVED IMMEDIATELY WHEN IN CONFORMANCE WITH CURRENT TRAFFIC PATTERNS AND NO LONGER APPROPRIATE.

## PORTABLE CHANGEABLE MESSAGE SIGNS

PROVIDE A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS IN ADVANCE OF OR ON THE PROJECT AT LOCATIONS TO BE DETERMINED BY THE ENGINEER. IF WORK IS IN PROGRESS CONCURRENTLY IN BOTH DIRECTIONS OF TRAVEL, PROVIDE ADDITIONAL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER. THE LOCATIONS DESIGNATED MAY VARY AS THE WORK PROGRESSES. THE MESSAGE REQUIRED TO BE PROVIDED SHALL BE DESIGNATED BY THE ENGINEER. THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN OPERATION AT ALL TIMES. IN THE EVENT OF DAMAGE OR MECHANICAL/ELECTRICAL FAILURE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE THE PORTABLE CHANGEABLE MESSAGE SIGN. PORTABLE CHANGEABLE MESSAGE SIGNS WILL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER CONSTRUCTION IS COMPLETE.

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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FOR MAINTENANCE OF  
 TRAFFIC ONLY

MAINTENANCE OF TRAFFIC NOTES