



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

May 17, 2011

CALL NO. 106
CONTRACT ID NO. 111022
ADDENDUM # 2

Subject: Fayette County, NH 2681 (026)
Letting May 20, 2011

- (1) Revised - Plan Sheets - R2N, R68, T1, T18, T19, T20, T21 & T22
- (2) Revised - Table of Contents - Page 2 of 109
- (3) Deleted - Asphalt Pavement Ride Quality - Page 16 of 109
- (4) Deleted - Special Note - Page 68 of 109
- (5) Revised - Bid Items - Pages 99-109 of 109

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

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	R2N

GENERAL NOTES

PROPOSAL ATTACHMENTS

SPECIAL NOTE 11 FOR PORTABLE CHANGEABLE MESSAGE SIGNS (1-1-08)
SPECIAL NOTE 7S FOR STRUCTURAL ADHESIVES WITH EXTENDED CONTACT TIME (1-1-08)
SPECIAL NOTE 10W FOR WATERBLASTING STRIPING REMOVAL (1-1-08)
SPECIAL NOTE 10Z EXCAVATION AND EMBANKMENT (1-1-08)

N.G.S. (U.S.G.S.) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH THE KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE MADE A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF THE UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

CLEARING AND GRUBBING

CONTRARY TO SECTION 202 OF THE STANDARD SPECIFICATIONS, CLEARING AND GRUBBING WILL BE CONSIDERED INCIDENTAL TO EARTHWORK ON THIS PROJECT.

COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY AT (502) 564-3670.

BOLLARDS

BOLLARDS TO BE INSTALLED ON THE PROJECT FOR THE SHARED USE PATH SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION

EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

ASPHALT PAVEMENT RIDE QUALITY

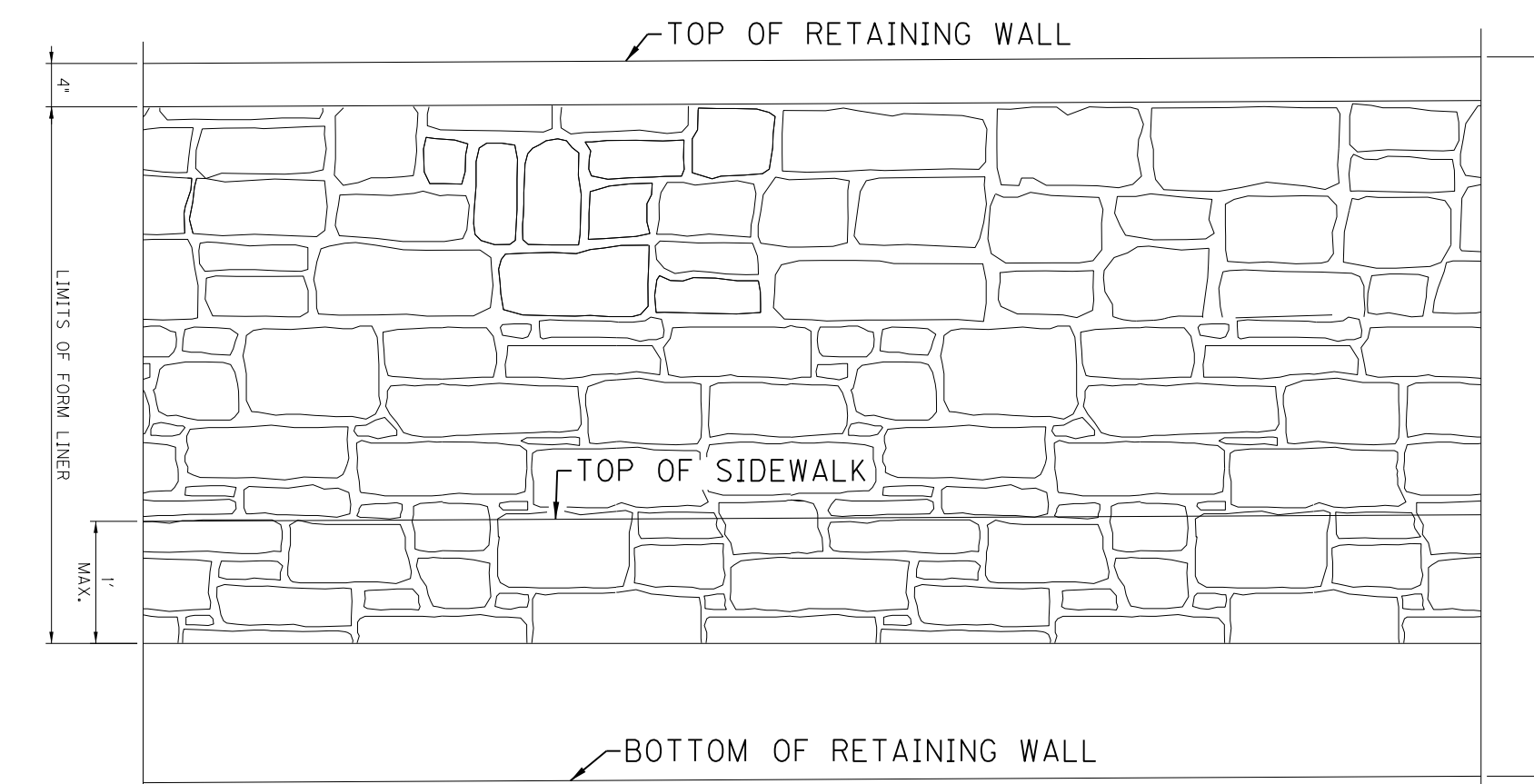
PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

DELIVERY OF REMOVED GUARDRAIL

REMOVED GUARDRAIL, END TREATMENTS, TERMINAL SECTIONS, AND POSTS SHALL BE DELIVERED TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER IN FRANKFORT, KY (502-564-8187) BETWEEN THE HOURS OF 8:00 AM AND 3:00 PM MONDAY THROUGH FRIDAY AND SHALL BE NEATLY STACKED IN ACCORDANCE WITH SECTION 719.03.07 OF THE STANDARD SPECIFICATIONS. CONTRACTOR, ENGINEER, AND CENTRAL SIGN SHOP AND RECYCLE CENTER REPRESENTATIVE MUST ALL SIGN OFF A GUARDRAIL DELIVERY VERIFICATION SHEET BEFORE PAYMENT MAY BE MADE.

GRAVITY TYPE RETAINING WALL

CONSTRUCT GRAVITY TYPE RETAINING WALL IN ACCORDANCE WITH SECTION 613 OF THE STANDARD SPECIFICATIONS. BACKFILL BEHIND RETAINING WALL WITH STRUCTURE GRANULAR BACKFILL.



PART ELEVATION - RETAINING WALL FORM LINER

(CUSTOM ROCK - PATTERN #1305 VISTA DRYSTACK)

NOTES FOR RETAINING WALL FORM LINER FOR WALL AT RT STA 207+30 TO 209+70

SIMULATED ROCK PATTERN: THE TEXTURED CONCRETE SURFACES, AS INDICATED IN THESE DRAWINGS, ARE TO BE FORMED USING CUSTOM ROCK FORM LINER PATTERN #1305 VISTA DRYSTACK, MULTI-LITE FORM LINER, AS MANUFACTURED BY CUSTOM ROCK FORMLINER, 2020 WEST 7TH STREET, ST. PAUL, MN 55116, (651) 699-1345, OR AN APPROVED EQUIVALENT. THE CONTRACTOR SHALL FOLLOW WRITTEN INSTRUCTIONS AND RECOMMENDATIONS PROVIDED BY CUSTOM ROCK RELATIVE TO FORM LINER STORAGE, HANDLING, ACCESSORIES, FABRICATION, PREPARATION AND INSTALLATION. EXERCISE ALL MEANS AVAILABLE TO ENSURE AN ADEQUATE SEAL BETWEEN PANELS TO PREVENT LEAKAGE BEHIND THE LINER AND TO MINIMIZE THE VISUAL EFFECTS OF PATCHING.

PAYMENT: THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR RETAINING WALL FORM LINER SHALL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE TASKS OF FORMING TEXTURES ON THE SURFACES DESCRIBED ON THIS SHEET.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designs\$file\$specifications\$\$\$
E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	R2N

REVISSED 05-16-2011

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REMOVED SPECIAL NOTE 11G

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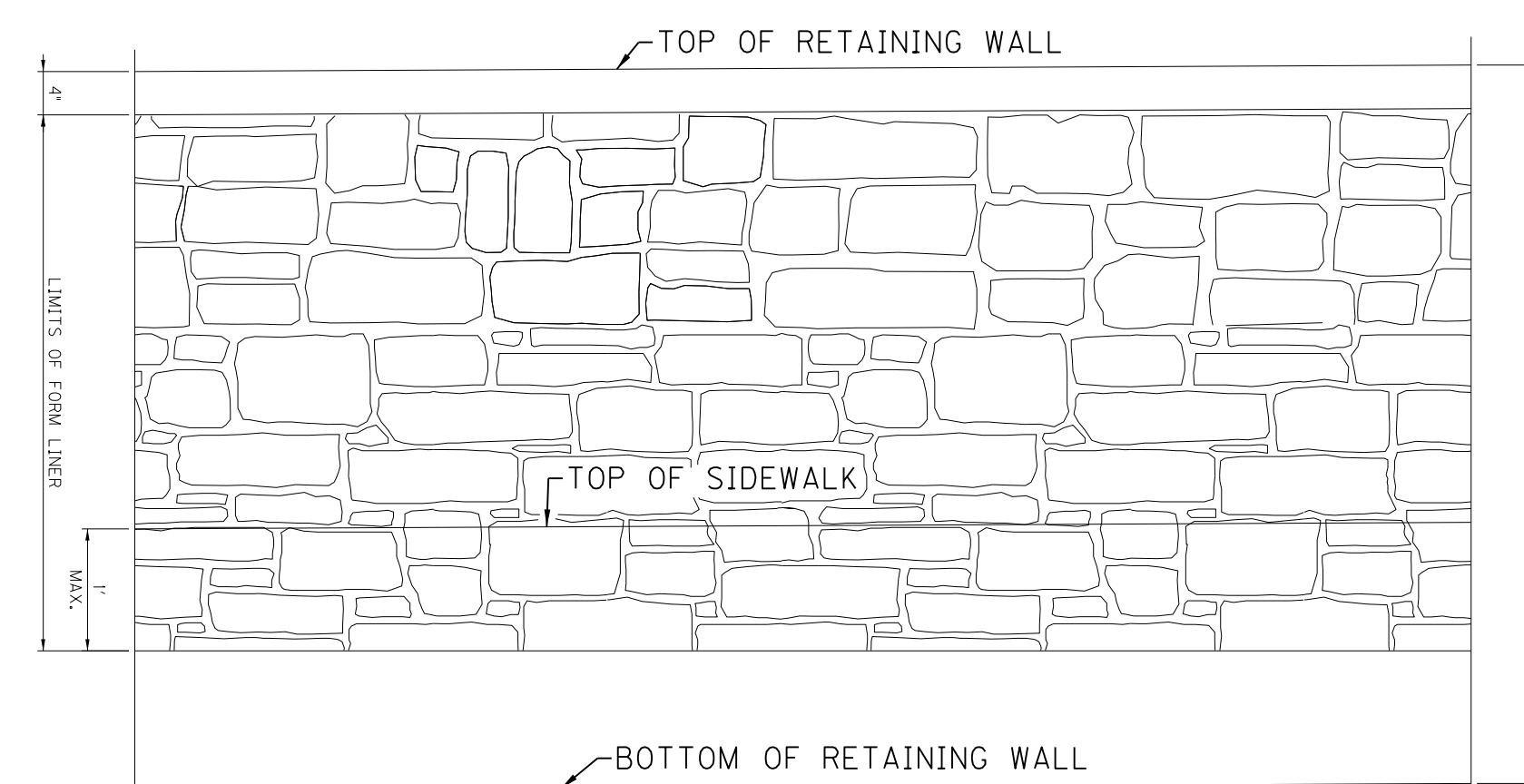
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 APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
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 E-SHEET NAME:

TRAFFIC CONTROL PLAN NOTES SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	R68

GENERAL TRAFFIC CONTROL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) 350 REPORT.
- LANE CLOSURES SHALL NOT BE ALLOWED DURING THE HOURS OF 6:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY, FURTHER, THEY SHALL NOT BE ALLOWED DURING HOLIDAYS IDENTIFIED IN SECTION 101 OF THE STANDARD SPECIFICATIONS (INDEPENDENCE DAY, LABOR DAY & VETERAN'S DAY), OR DURING SPECIAL EVENTS (SPECIAL EVENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, UNIVERSITY OF KENTUCKY HOME FOOTBALL GAMES AND THE KEENELAND FALL RACING MEET).
- THE PROPOSED DRAINAGE INLETS ON THIS PROJECT SHALL HAVE WEEP HOLES, BLEEDERS OR ANOTHER ACCEPTABLE FORM OF TEMPORARY DRAINAGE INSTALLED TO ALLOW FOR POSITIVE DRAINAGE DURING CONSTRUCTION PHASING.
- EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID FOR AT THE LUMP SUM PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS AND OPERATIONS:
 - ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER REQUIRED. IF A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DETOUR CONSTRUCTION".
 - ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.
 - ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS, BARRICADES, VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.
- ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELLED WAY ON PASADENA AND ALEXANDRIA DRIVE AT ALL TIMES. A MINIMUM OF ONE THROUGH LANE AND ONE LEFT LANE SHALL BE MAINTAINED ON US 68 AT ALL TIMES. A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON ALL ROADWAYS WITHIN THE PROJECT LIMITS AT ALL TIMES UNLESS OTHERWISE NOTED IN THE TRAFFIC CONTROL PLAN AND/OR APPROVED BY THE ENGINEER. ALL EXISTING PEDESTRIAN WALKWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED. THE CONTRACTOR MAY RELOCATE ANY EXISTING SIGN DISTURBED BY ACTIVE CONSTRUCTION WHICH REMAINS APPLICABLE WHILE CONSTRUCTION IS OCCURRING TO A LOCATION AS APPROVED BY THE ENGINEER.
- IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC. TRAFFIC CONTROL DEVICES SHALL BE MOVED DURING CONSTRUCTION ACTIVITIES TO ACCOMMODATE THE GREATEST LANE WIDTH ALLOWABLE FOR ALL TRAVEL LANES. THE DEVICES WILL NEED TO BE MOVED THROUGHOUT ALL OPERATIONS DURING WORKING HOURS.
- THE ENGINEER AND CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
- IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.
- IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE OR AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

- THE SIGNALIZATION OF THE FOUR INTERSECTIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. BOTH PEDESTRIAN AND VEHICULAR SIGNALIZATION SCHEMES SHALL BE MAINTAINED. SIGNAL TIMING PLANS APPROVED OR MANDATED BY THE ENGINEER OR LFUCG SHALL BE MAINTAINED AT THE INTERSECTIONS WITH A COMBINATION OF TEMPORARY AND/OR PERMANENT SIGNALIZATION EQUIPMENT. THE LOCATION AND TYPE OF TEMPORARY SIGNALIZATION EQUIPMENT MUST BE APPROVED BY THE ENGINEER OR LFUCG. EXCEPT FOR THE HOURS OF 7 A.M. TO 9 P.M., THE SIGNALS MAY BE OPERATED MANUALLY FOR BRIEF PERIODS OF TIME IF APPROVED BY THE ENGINEER OR LFUCG. THESE HOURS MAY BE EXTENDED BY THE ENGINEER IF SPECIAL EVENTS WARRANT. SIGNAL POLES AFFECTED BY ANY PHASE OF CONSTRUCTION WILL HAVE TEMPORARY POLES OR NEW POLES CONSTRUCTED BEFORE GRADING ACTIVITIES BEGIN OR ANY EXISTING SIGNAL POLE IS REMOVED. RELOCATION OF SIGNAL HEADS IF REQUIRED SHOULD BE PERFORMED DURING HOURS OF LOW TRAFFIC FLOW UTILIZING FLAGGERS AS NEEDED DURING THESE OPERATIONS. KYTC/LFUCG SHALL BE GIVEN 48 HOURS NOTICE BEFORE ANY SIGNALS ARE CHANGED OR RELOCATED.
- ALL EXISTING SIGNALIZATION EQUIPMENT REMOVED REMAINS THE PROPERTY OF THE KYTC AND THE EQUIPMENT SHALL BE DELIVERED TO THE DISTRICT 7 TRAFFIC FACILITY AT KEARNEY ROAD, AS DIRECTED BY THE ENGINEER.
- TEMPORARY SIGNALS WILL BE UTILIZED AT THE RAMP INTERSECTIONS DURING CONSTRUCTION. THE TEMPORARY SIGNALS SHALL MAINTAIN THE EXISTING TRAFFIC PATTERNS. TRAFFIC SHALL NOT BE SHIFTED TO THE ULTIMATE CONFIGURATION UNTIL PERMANENT SIGNALS ARE IN OPERATION AT THE PROPOSED CROSSOVERS. THE TEMPORARY SIGNALS SHALL BE COMPLETELY INDEPENDENT FROM THE EXISTING AND PROPOSED SIGNALS TO ALLOW FOR REMOVAL OF THE EXISTING SIGNALS AND CONSTRUCTION OF THE PROPOSED SIGNALS WITHOUT INTERRUPTING THE ACTIVE SIGNALIZATION AT ANY TIME.
- PROPOSED MAST ARM POLES AND THEIR RESPECTIVE BASES WHICH HAVE BEEN CONSTRUCTED MAY BE SHIELDED WITH TEMPORARY CRASH CUSHIONS UNTIL SUCH TIME THAT TRAFFIC HAS BEEN SHIFTED TO THE ULTIMATE CONFIGURATIONS.
- LIGHTING CONSTRUCTION SHALL BE ACCOMPLISHED BY TEMPORARY SHOULDER CLOSURES AND TEMPORARY LANE CLOSURES.
- THE SPEED LIMIT ON THIS PROJECT WILL BE REDUCED TO 35 M.P.H. ONLY WHEN TRAFFIC IS RESTRICTED TO ONE LANE OR WHEN CONSTRUCTION CREWS ARE PRESENT.
- EMERGENCY ACCESS TO FIRE HYDRANTS MUST BE MAINTAINED AT ALL TIMES.
- REASONABLE MEANS OF INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS AT ALL TIMES.
- RAMP 'C' AND RAMP 'A' MAY BE CLOSED INDEPENDENTLY FOR A PERIOD OF ONE EXTENDED WEEKEND BEGINNING AT 7:00 PM THURSDAY UNTIL THE FOLLOWING MONDAY AT 6:00 AM. THE PROPOSED CLOSURES DO NOT HAVE TO BE CONSECUTIVE. CONSTRUCT THE REMAINING PORTIONS OF THESE RAMPS UP THROUGH THE BASE COURSES AS DEPICTED IN THE TRAFFIC CONTROL PLAN. WHEN THE RAMPS HAVE BEEN COMPLETED, CONSTRUCT TEMPORARY STRIPING AS NEEDED FOR THE RAMPS TO FUNCTION WITH EXISTING TRAFFIC USAGE. TEMPORARY CRASH CUSHIONS MAY BE UTILIZED TO PROTECT THE PROPOSED MAST ARM POLES AND BASES, TO BE CONSTRUCTED IN THE FUTURE EXIT RAMP ISLANDS, UNTIL TRAFFIC IS SHIFTED TO THE ULTIMATE CONFIGURATION AND THE RAMP ISLAND CURBS HAVE BEEN CONSTRUCTED. LIQUIDATED DAMAGES OF \$ 5000.00/HOUR WILL BE ASSESSED UNTIL THESE ITEMS OF WORK ARE COMPLETE AND THE RAMPS REOPENED TO FOUR USEABLE LANES.
- THE FINAL STRIPING CONFIGURATION WILL BE PLACED TWICE DURING CONSTRUCTION, ONCE WHEN COMPLETING THE PROPOSED SCRATCH COURSE AND REPEATED UPON COMPLETION OF THE FINAL SURFACE COURSE. THE PROPOSED CURB PAINTING WILL ONLY FOR ONCE.
- TRAFFIC SHALL BE SHIFTED TO THE ULTIMATE CONFIGURATION PRIOR TO AUGUST 31, 2011. LIQUIDATED DAMAGES OF \$5000.00/HOUR WILL BE ASSESSED UNTIL THIS HAS OCCURRED.
- THE FIXED COMPLETION DATE FOR THE PROJECT SHALL BE NOVEMBER 15, 2011.

PAVEMENT EDGE DROP-OFF NOTES

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 ½ 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 ½ INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

LESS THAN TWO INCHES – NO PROTECTION REQUIRED. WARNING SIGNS PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

TWO TO FOUR INCHES – PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEED LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

GREATER THAN FOUR INCHES – POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANELS OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

TRAFFIC COORDINATOR

THE CONTRACTOR SHALL DESIGNATE AN EMPLOYEE OR EMPLOYEES TO BE TRAFFIC COORDINATOR(S). THE TRAFFIC COORDINATOR SHALL INSPECT THE PROJECT MAINTENANCE OF TRAFFIC AT LEAST ONCE A DAY, MONDAY THROUGH FRIDAY, AND TWICE A DAY (MORNING AND EVENING) SATURDAY AND SUNDAY, FOR THE LIFE OF THE PROJECT. ADDITIONALLY, THE TRAFFIC COORDINATOR SHALL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER ON THE PROJECT. A TRAFFIC COORDINATOR SHALL BE ON THE PROJECT AT ALL TIMES WHEN LANE CLOSURES ARE IN USE TO INSPECT THE TRAFFIC CONTROL, MAINTAIN THE SIGNING AND DEVICES AND RELOCATE VARIABLE MESSAGE BOARDS AS NEEDED OR AS DIRECTED BY THE ENGINEER. A TRAFFIC COORDINATOR SHALL BE ON CALL 24 HOURS A DAY, 7 DAYS A WEEK FOR THE PROJECT DURATION. THE TRAFFIC COORDINATOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AND SHALL MAKE AT LEAST ONE PASS-THROUGH INSPECTION ON THE PROJECT PER HOUR AT ALL TIMES LANES ARE CLOSED. THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE THE TRAFFIC COORDINATOR CAN BE CONTACTED AT ANY TIME. THE TRAFFIC COORDINATOR SHALL HAVE ACCESS ON THE PROJECT TO A RADIO OR TELEPHONE TO BE USED IN CASE OF EMERGENCIES OR ACCIDENTS.

TEMPORARY PAVEMENT

TEMPORARY PAVEMENT SHALL CONSIST OF:

ALT 1: 1.25" CL2 ASPH SURF 0.38D PG 64-22
4.00" CL 2 ASPH BASE 1.0D PG 64-22
4.00" CRUSHED STONE BASE

OR
ALT 2: CEMENT CONCRETE PAVEMENT
(TO BE USED IN AREAS 4 FEET WIDE OR LESS, UNLESS APPROVED BY THE ENGINEER. THICKNESS VARIES – MATCH TOP OF EXISTING ASPHALT SURFACE)
(TO BE PAID FOR BY ITEM NO. 2065 – PCC BASE-10 IN)

SCALE: 1"=

TRAFFIC CONTROL NOTES

FILE NAME: G:\PWORK\VALEXI.SMITH\00144517\KYTC_SHEET_CEL

USER: Alexi.Smith
DATE PLOTTED: January 1, 2001

E-SHEET NAME:

MicroStation v8.11.7.180

TRAFFIC CONTROL PLAN NOTES SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	R68

REVISED 05-12-2011

GENERAL TRAFFIC CONTROL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) 350 REPORT.
- LANE CLOSURES SHALL NOT BE ALLOWED DURING THE HOURS OF 6:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY, FURTHER, THEY SHALL NOT BE ALLOWED DURING HOLIDAYS IDENTIFIED IN SECTION 101 OF THE STANDARD SPECIFICATIONS (INDEPENDENCE DAY, LABOR DAY & VETERAN'S DAY), OR DURING SPECIAL EVENTS (SPECIAL EVENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, UNIVERSITY OF KENTUCKY HOME FOOTBALL GAMES AND THE KEENELAND FALL RACING MEET).
- THE PROPOSED DRAINAGE INLETS ON THIS PROJECT SHALL HAVE WEEP HOLES, BLEEDERS OR ANOTHER ACCEPTABLE FORM OF TEMPORARY DRAINAGE INSTALLED TO ALLOW FOR POSITIVE DRAINAGE DURING CONSTRUCTION PHASING.
- EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID FOR AT THE LUMP SUM PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS AND OPERATIONS:
 - ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER REQUIRED. IF A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DETOUR CONSTRUCTION".
 - ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.
 - ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS, BARRICADES, VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.
- ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELLED WAY ON PASADENA AND ALEXANDRIA DRIVE AT ALL TIMES. A MINIMUM OF ONE THROUGH LANE AND ONE LEFT LANE SHALL BE MAINTAINED ON US 68 AT ALL TIMES. A MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ON ALL ROADWAYS WITHIN THE PROJECT LIMITS AT ALL TIMES UNLESS OTHERWISE NOTED IN THE TRAFFIC CONTROL PLAN AND/OR APPROVED BY THE ENGINEER. ALL EXISTING PEDESTRIAN WALKWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED. THE CONTRACTOR MAY RELOCATE ANY EXISTING SIGN DISTURBED BY ACTIVE CONSTRUCTION WHICH REMAINS APPLICABLE WHILE CONSTRUCTION IS OCCURRING TO A LOCATION AS APPROVED BY THE ENGINEER.
- IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC. TRAFFIC CONTROL DEVICES SHALL BE MOVED DURING CONSTRUCTION ACTIVITIES TO ACCOMMODATE THE GREATEST LANE WIDTH ALLOWABLE FOR ALL TRAVEL LANES. THE DEVICES WILL NEED TO BE MOVED THROUGHOUT ALL OPERATIONS DURING WORKING HOURS.
- THE ENGINEER AND CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
- IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.
- IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE OR AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

- THE SIGNALIZATION OF THE FOUR INTERSECTIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. BOTH PEDESTRIAN AND VEHICULAR SIGNALIZATION SCHEMES SHALL BE MAINTAINED. SIGNAL TIMING PLANS APPROVED OR MANDATED BY THE ENGINEER OR LFUCG SHALL BE MAINTAINED AT THE INTERSECTIONS WITH A COMBINATION OF TEMPORARY AND/OR PERMANENT SIGNALIZATION EQUIPMENT. THE LOCATION AND TYPE OF TEMPORARY SIGNALIZATION EQUIPMENT MUST BE APPROVED BY THE ENGINEER OR LFUCG. EXCEPT FOR THE HOURS OF 7 A.M. TO 9 P.M., THE SIGNALS MAY BE OPERATED MANUALLY FOR BRIEF PERIODS OF TIME IF APPROVED BY THE ENGINEER OR LFUCG. THESE HOURS MAY BE EXTENDED BY THE ENGINEER IF SPECIAL EVENTS WARRANT. SIGNAL POLES AFFECTED BY ANY PHASE OF CONSTRUCTION WILL HAVE TEMPORARY POLES OR NEW POLES CONSTRUCTED BEFORE GRADING ACTIVITIES BEGIN OR ANY EXISTING SIGNAL POLE IS REMOVED. RELOCATION OF SIGNAL HEADS IF REQUIRED SHOULD BE PERFORMED DURING HOURS OF LOW TRAFFIC FLOW UTILIZING FLAGGERS AS NEEDED DURING THESE OPERATIONS. KYTC/LFUCG SHALL BE GIVEN 48 HOURS NOTICE BEFORE ANY SIGNALS ARE CHANGED OR RELOCATED.
- ALL EXISTING SIGNALIZATION EQUIPMENT REMOVED REMAINS THE PROPERTY OF THE KYTC AND THE EQUIPMENT SHALL BE DELIVERED TO THE DISTRICT 7 TRAFFIC FACILITY AT KEARNEY ROAD, AS DIRECTED BY THE ENGINEER.
- TEMPORARY SIGNALS WILL BE UTILIZED AT THE RAMP INTERSECTIONS DURING CONSTRUCTION. THE TEMPORARY SIGNALS SHALL MAINTAIN THE EXISTING TRAFFIC PATTERNS. TRAFFIC SHALL NOT BE SHIFTED TO THE ULTIMATE CONFIGURATION UNTIL PERMANENT SIGNALS ARE IN OPERATION AT THE PROPOSED CROSSOVERS. THE TEMPORARY SIGNALS SHALL BE COMPLETELY INDEPENDENT FROM THE EXISTING AND PROPOSED SIGNALS TO ALLOW FOR REMOVAL OF THE EXISTING SIGNALS AND CONSTRUCTION OF THE PROPOSED SIGNALS WITHOUT INTERRUPTING THE ACTIVE SIGNALIZATION AT ANY TIME.
- PROPOSED MAST ARM POLES AND THEIR RESPECTIVE BASES WHICH HAVE BEEN CONSTRUCTED MAY BE SHIELDED WITH TEMPORARY CRASH CUSHIONS UNTIL SUCH TIME THAT TRAFFIC HAS BEEN SHIFTED TO THE ULTIMATE CONFIGURATIONS.
- LIGHTING CONSTRUCTION SHALL BE ACCOMPLISHED BY TEMPORARY SHOULDER CLOSURES AND TEMPORARY LANE CLOSURES.
- THE SPEED LIMIT ON THIS PROJECT WILL BE REDUCED TO 35 M.P.H. ONLY WHEN TRAFFIC IS RESTRICTED TO ONE LANE OR WHEN CONSTRUCTION CREWS ARE PRESENT.
- EMERGENCY ACCESS TO FIRE HYDRANTS MUST BE MAINTAINED AT ALL TIMES.
- REASONABLE MEANS OF INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS AT ALL TIMES.
- RAMP 'C' AND RAMP 'A' MAY BE CLOSED INDEPENDENTLY FOR A PERIOD OF ONE EXTENDED WEEKEND BEGINNING AT 7:00 PM THURSDAY UNTIL THE FOLLOWING MONDAY AT 6:00 AM. THE PROPOSED CLOSURES DO NOT HAVE TO BE CONSECUTIVE. CONSTRUCT THE REMAINING PORTIONS OF THESE RAMPS UP THROUGH THE BASE COURSES AS DEPICTED IN THE TRAFFIC CONTROL PLAN. WHEN THE RAMPS HAVE BEEN COMPLETED, CONSTRUCT TEMPORARY STRIPING AS NEEDED FOR THE RAMPS TO FUNCTION WITH EXISTING TRAFFIC USAGE. TEMPORARY CRASH CUSHIONS MAY BE UTILIZED TO PROTECT THE PROPOSED MAST ARM POLES AND BASES, TO BE CONSTRUCTED IN THE FUTURE EXIT RAMP ISLANDS, UNTIL TRAFFIC IS SHIFTED TO THE ULTIMATE CONFIGURATION AND THE RAMP ISLAND CURBS HAVE BEEN CONSTRUCTED. LIQUIDATED DAMAGES OF \$ 5000.00/HOUR WILL BE ASSESSED UNTIL THESE ITEMS OF WORK ARE COMPLETE AND THE RAMPS REOPENED TO FOUR USEABLE LANES.
- THE FINAL STRIPING CONFIGURATION WILL BE PLACED TWICE DURING CONSTRUCTION, ONCE WHEN COMPLETING THE PROPOSED SCRATCH COURSE AND REPEATED UPON COMPLETION OF THE FINAL SURFACE COURSE. THE PROPOSED CURB PAINTING WILL ONLY FOR ONCE.
- TRAFFIC SHALL BE SHIFTED TO THE ULTIMATE CONFIGURATION PRIOR TO AUGUST 31, 2011. LIQUIDATED DAMAGES OF \$5000.00/HOUR WILL BE ASSESSED UNTIL THIS HAS OCCURRED.
- THE FIXED COMPLETION DATE FOR THE PROJECT SHALL BE NOVEMBER 15, 2011.

PAVEMENT EDGE DROP-OFF NOTES

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 ½ 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 ½ INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

LESS THAN TWO INCHES – NO PROTECTION REQUIRED. WARNING SIGNS PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

TWO TO FOUR INCHES – PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEED LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

GREATER THAN FOUR INCHES – POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANELS OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

TRAFFIC COORDINATOR

THE CONTRACTOR SHALL DESIGNATE AN EMPLOYEE OR EMPLOYEES TO BE TRAFFIC COORDINATOR(S). THE TRAFFIC COORDINATOR SHALL INSPECT THE PROJECT MAINTENANCE OF TRAFFIC AT LEAST ONCE A DAY, MONDAY THROUGH FRIDAY, AND TWICE A DAY (MORNING AND EVENING) SATURDAY AND SUNDAY, FOR THE LIFE OF THE PROJECT. ADDITIONALLY, THE TRAFFIC COORDINATOR SHALL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER ON THE PROJECT. A TRAFFIC COORDINATOR SHALL BE ON THE PROJECT AT ALL TIMES WHEN LANE CLOSURES ARE IN USE TO INSPECT THE TRAFFIC CONTROL, MAINTAIN THE SIGNING AND DEVICES AND RELOCATE VARIABLE MESSAGE BOARDS AS NEEDED OR AS DIRECTED BY THE ENGINEER. A TRAFFIC COORDINATOR SHALL BE ON CALL 24 HOURS A DAY, 7 DAYS A WEEK FOR THE PROJECT DURATION. THE TRAFFIC COORDINATOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AND SHALL MAKE AT LEAST ONE PASS-THROUGH INSPECTION ON THE PROJECT PER HOUR AT ALL TIMES LANES ARE CLOSED. THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE THE TRAFFIC COORDINATOR CAN BE CONTACTED AT ANY TIME. THE TRAFFIC COORDINATOR SHALL HAVE ACCESS ON THE PROJECT TO A RADIO OR TELEPHONE TO BE USED IN CASE OF EMERGENCIES OR ACCIDENTS.

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TEMPORARY PAVEMENT SHALL CONSIST OF:

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OR
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(TO BE USED IN AREAS 4 FEET WIDE OR LESS, UNLESS APPROVED BY THE ENGINEER. THICKNESS VARIES – MATCH TOP OF EXISTING ASPHALT SURFACE)
(TO BE PAID FOR BY ITEM NO. 2065 – PCC BASE-10 IN)

SCALE: 1"=

TRAFFIC CONTROL NOTES

FILE NAME: G:\PWORK\VALEXI.SMITH\00144517\KYTC-SHEET.CEL

USER: Alexi.Smith
DATE PLOTTED: January 1, 2001

E-SHEET NAME:

MicroStation v8.11.7.180

SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T1

ESTIMATE OF QUANTITIES

ITEM	CODE NUMBER	UNIT	U.S.				TOTALS
			QUANTITY				
GROUND MOUNTED SIGN SUPPORTS							
① TYPE A	6400	LBS.					
TYPE C	6441	LBS.	4500.0				4500.0
FOOTINGS FOR SIGNS							
CONCRETE - CLASS "A" FOR SIGNS	6490	CU.YD.	13.44				13.44
REINFORCEMENT STEEL	6491	LBS.	792				792
SIGN BASE MATERIAL							
ALUMINUM							
② PANEL SIGNS	6405	SQ.FT.	910				910
③ SHEETING SIGNS							
0.080 GAUGE	6406	SQ.FT.	488				488
0.125 GAUGE	6407	SQ.FT.	270				270
STEEL POST ④⑤							
TYPE 1	6410	LN.FT.	1017				1017
TYPE 2	6411	LN.FT.					
⑥ TYPE D	21596ND	EACH	4				4
⑦ MILE MARKERS	6412	EACH					
REFERENCE MARKERS	4903	EACH					
DELINEATORS							
WHITE	6413	EACH					
AMBER	6414	EACH					
REMOVAL ITEMS ⑧⑨							
REMOVE OVERHEAD SIGN SUPPORT STRUCTURE	6449	EACH	2				2
⑩ REMOVE OVERHEAD SIGN SUPPORT STRUCTURE CONCRETE BASE	6450	EACH					
⑪ REMOVE SIGN SUPPORT BEAMS	6451	EACH	8				8
REMOVE SIGN	21373ND	EACH	51				51
MOVE CANTILEVER SIGN SUPPORT	20995ND	EACH					
REMOVE AND RELOCATE SIGN	20418ED	EACH	18				18
STEEL "W" BEAM GUARDRAIL							
SINGLE FACE	2351	LN.FT.					
DOUBLE FACE	2352	LN.FT.					
END TREATMENT TYPE 1	2367	EACH					
END TREATMENT TYPE 2A	2369	EACH					

ITEM	CODE NUMBER	UNIT	U.S.				TOTALS
			QUANTITY				
OVERHEAD SIGN SUPPORTS ⑫							
OSS ALUMINUM 60 FT TRUSS	6422	EACH					
OSS ALUMINUM 65 FT TRUSS	6424	EACH					
OSS ALUMINUM 70 FT TRUSS	6426	EACH					
OSS ALUMINUM 75 FT TRUSS	6436	EACH					
OSS ALUMINUM 80 FT TRUSS	6438	EACH					
OSS ALUMINUM 85 FT TRUSS	6443	EACH					
OSS ALUMINUM 90 FT TRUSS	6445	EACH					
OSS ALUMINUM 100 FT TRUSS	6455	EACH					
OSS ALUMINUM 105 FT TRUSS	6457	EACH					
OSS ALUMINUM 110 FT TRUSS	6459	EACH					
OSS ALUMINUM 115 FT TRUSS	6461	EACH					
OSS ALUMINUM 120 FT TRUSS	6463	EACH					
OSS ALUMINUM 125 FT TRUSS	6465	EACH					
OSS ALUMINUM 130 FT TRUSS	6467	EACH					
OSS ALUMINUM 135 FT TRUSS	6469	EACH					
OSS ALUMINUM 140 FT TRUSS	6471	EACH					
OSS GALV STEEL CANTILEVER MOD	6201	EACH					
OSS GALV STEEL CANTILEVER	6415	EACH					
SIGN BRIDGE ATTACHMENT BRACKET	6448	EACH	2				2
MISCELLANEOUS							
BARRIER MOUNTING BRACKET	4904	EACH					
BARRIER WALL POST	20912ND	EACH					
ROADWAY CROSS SECTION	20419ND	EACH					
FLEXIBLE DELINEATOR POSTS							
⑬ WHITE	6417	EACH	137				137
YELLOW	6418	EACH	109				109
STAKING	2726	L.S.					
FLASHING ARROW	2775	EACH					
DEMobilIZATION	2569	L.S.					
MAINTAIN & CONTROL TRAFFIC	2650	L.S.					

NOTES :

- (1) PAYMENT FOR GROUND MOUNTED SIGN SUPPORTS TYPE A AND TYPE C SHALL BE BASED ON THE NOMINAL WEIGHT OF THE BEAMS. THE NECESSARY GALVANIZING, HARDWARE, ETC. IS TO BE CONSIDERED INCIDENTAL. QUANTITIES FOR TYPE C SUPPORTS SHALL INCLUDE ALL NECESSARY HARDWARE TO FORM COMPLETE BREAK-AWAY BEAMS. SEE PANEL SIGN DETAIL SHEET.
- (2) QUANTITY SHALL INCLUDE ALL COPY AND HARDWARE NECESSARY TO FORM COMPLETE SIGNS. NO DEDUCTION IN AREA IS TO BE MADE FOR ROUNDING OF CORNERS.
- (3) WITH PERMISSION OF THE ENGINEER, SHEETING SIGNS ON THE RAMPS AND SIDE ROADS MAY BE MOVED TO BE COMPATIBLE WITH THE EXISTING SIGNS.
- (4) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- (5) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.
- (6) QUANTITY SHALL INCLUDE ALL MATERIAL NECESSARY TO FORM A COMPLETE BREAK-AWAY ASSEMBLY. TYPE I POSTS AND CONCRETE SHALL BE PAID SEPARATELY. SEE SHEETING SIGN DETAIL SHEET.
- (7) QUANTITY SHALL INCLUDE SIGN AND POST.
- (8) ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN LIGHTS, SIGN SUPPORTS, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED ON THESE PLANS OR AS DIRECTED BY THE ENGINEER.
- (9) THE REMOVAL OF ALL TYPE I OR II POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL PAYMENT BEING ALLOWED. ALL MATERIAL SHALL BE STORED IN ACCORDANCE WITH NOTE (8) ABOVE.
- (10) WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.
- (11) WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.
- (12) QUANTITY SHALL INCLUDE W-BARS AND ALL HARDWARE NECESSARY FOR ATTACHING SIGNS TO SUPPORTS.
- (13) QUANTITY IS ESTIMATED. THE EXACT NUMBER SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SEE SIGNING POSITIONING DETAIL SHEET FOR DELINEATOR PLACEMENT.

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

Cell Library: kytic sheet.cel
 Cell Name: Summary Sheet
 03-Dec-2007 HH:MM

**KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
FAYETTE**

PROJECT US 68 ITEM NO. 7-144.01
 NUMBERS FD52 034 0068 002-004
 NH 2681 (026)

SIGNING QUANTITY SHEET

SIGNING

ESTIMATE OF QUANTITIES

NOTES :

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			QUANTITY								QUANTITY				
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DELINEATORS															
WHITE	6413	EACH													
AMBER	6414	EACH													
REMOVAL ITEMS ⑧⑨															
REMOVE OVERHEAD SIGN SUPPORT STRUCTURE	6449	EACH	2											2	
⑩ REMOVE OVERHEAD SIGN SUPPORT STRUCTURE CONCRETE BASE	6450	EACH													
⑪ REMOVE SIGN SUPPORT BEAMS	6451	EACH	8											8	
REMOVE SIGN	21373ND	EACH	51											51	
MOVE CANTILEVER SIGN SUPPORT	20995ND	EACH													
REMOVE AND RELOCATE SIGN	20418ED	EACH	18											18	
STEEL "W" BEAM GUARDRAIL															
SINGLE FACE	2351	LN.FT.													
DOUBLE FACE	2352	LN.FT.													
END TREATMENT TYPE 1	2367	EACH													
END TREATMENT TYPE 2A	2369	EACH													
OVERHEAD SIGN SUPPORTS ⑫															
OSS ALUMINUM 60 FT TRUSS	6422	EACH													
OSS ALUMINUM 65 FT TRUSS	6424	EACH													
OSS ALUMINUM 70 FT TRUSS	6426	EACH													
OSS ALUMINUM 75 FT TRUSS	6436	EACH													
OSS ALUMINUM 80 FT TRUSS	6438	EACH													
OSS ALUMINUM 85 FT TRUSS	6443	EACH													
OSS ALUMINUM 90 FT TRUSS	6445	EACH													
OSS ALUMINUM 100 FT TRUSS	6455	EACH													
OSS ALUMINUM 105 FT TRUSS	6457	EACH													
OSS ALUMINUM 110 FT TRUSS	6459	EACH													
OSS ALUMINUM 115 FT TRUSS	6461	EACH													
OSS ALUMINUM 120 FT TRUSS	6463	EACH													
OSS ALUMINUM 125 FT TRUSS	6465	EACH													
OSS ALUMINUM 130 FT TRUSS	6467	EACH													
OSS ALUMINUM 135 FT TRUSS	6469	EACH													
OSS ALUMINUM 140 FT TRUSS	6471	EACH													
OSS GALV STEEL CANTILEVER MOD	6201	EACH													
OSS GALV STEEL CANTILEVER	6415	EACH													
SIGN BRIDGE ATTACHMENT BRACKET	6448	EACH	2											2	
MISCELLANEOUS															
BARRIER MOUNTING BRACKET	4904	EACH													
BARRIER WALL POST	20912ND	EACH													
ROADWAY CROSS SECTION	20419ND	EACH													
FLEXIBLE DELINEATOR POSTS															
⑬ WHITE	6417	EACH	137											137	
YELLOW	6418	EACH	109											109	
STAKING	2726	L.S.													
FLASHING ARROW	2775	EACH													
DEMobilIZATION	2569	L.S.													
MAINTAIN & CONTROL TRAFFIC	2650	L.S.													

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

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 Cell Name: Summary Sheet
 03-Dec-2007 HH:MM

**KENTUCKY
 DEPARTMENT OF HIGHWAYS
 COUNTY OF
 FAYETTE**



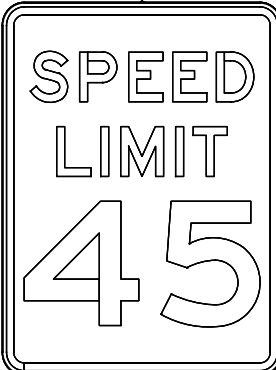
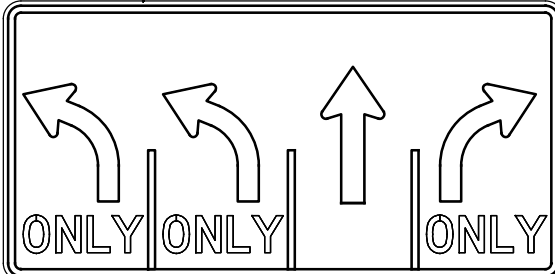

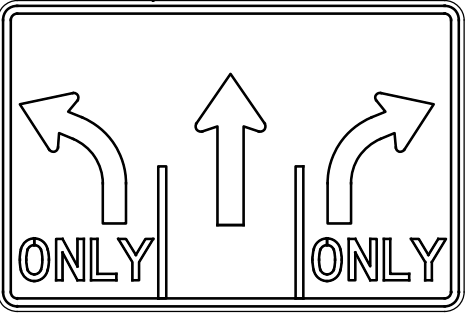
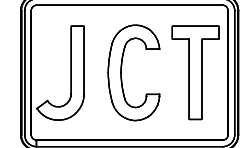
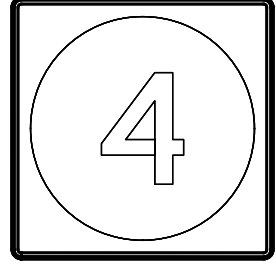
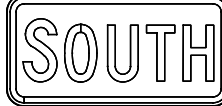
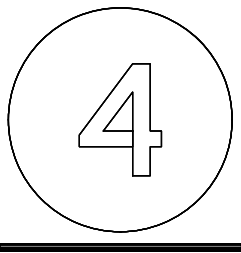
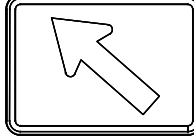

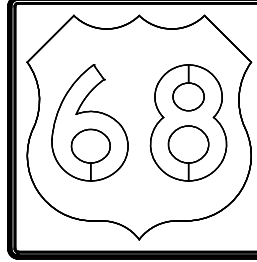

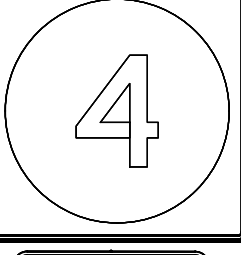
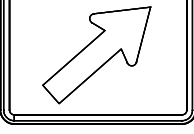


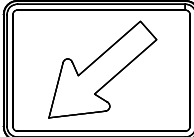
PROJECT US 68 ITEM NO. 7-144.01
 NUMBERS FD52 034 0068 002-004
 NH 2681 (026)

SIGNING QUANTITY SHEET

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T18

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-1	36	36		R3-7	MEDIAN	EAST	US 68	182+00	S-7	30	36		R2-1	RT	EAST	US 68	188+50
S-2	30	36		R2-1	RT	WEST	US 68	184+50	S-8	63	30		R3-8 (MOD.)	RT	NORTH	PASADENA	47+30
S-3	36	36		R3-7	MEDIAN	EAST	US 68	185+00	S-9	48	30		R3-8B	RT	SOUTH	ALEXANDRIA	52+90
S-4	21	15	 	M2-1	RT	WEST	US 68	185+70	S-10	24	12	  	M3-3	RT	WEST	US 68	196+10
	24	24		24						24	MI-5						
				21						15	M6-2L						
S-5	24	12	 	M3-2	RT	EAST	US 68	186+10	S-11	24	12	  	M3-1	RT	WEST	US 68	196+10
	24	24		24						24	MI-5						
				21						15	M6-2R						
S-6	36	36		R3-7	MEDIAN	EAST	US 68	188+00	S-12	36	36	 	W11-2	RT	NORTH	RAMP B	0+75
										24	12		W16-7P				

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.


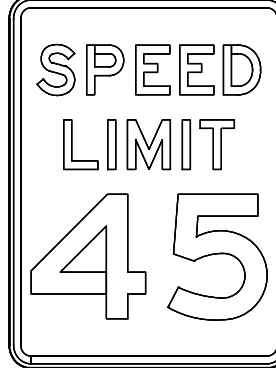
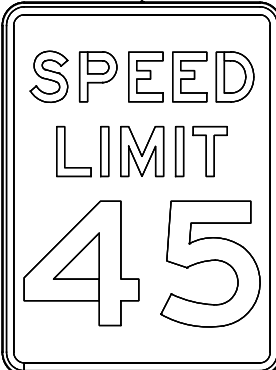
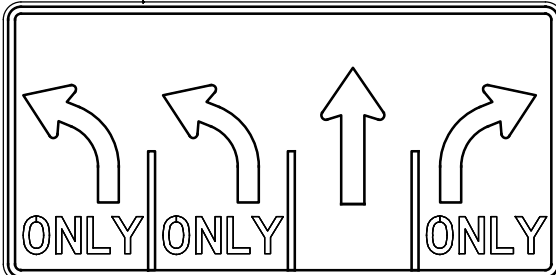

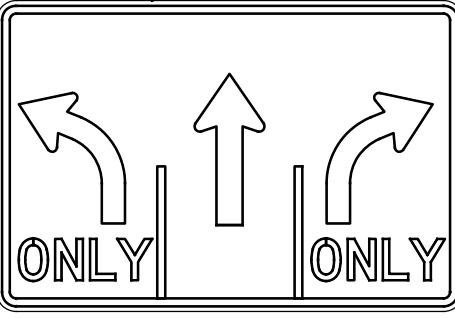
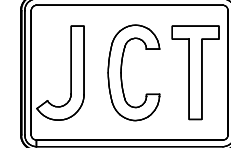
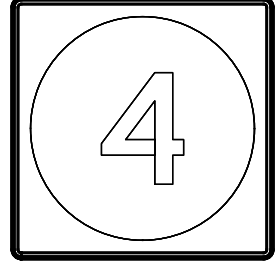

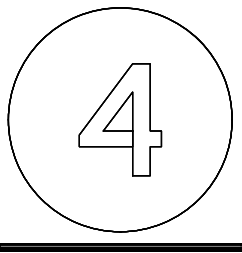
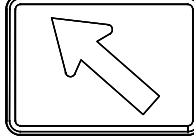

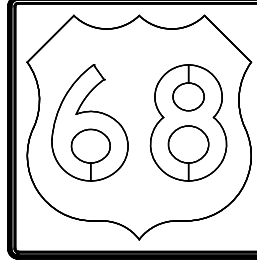

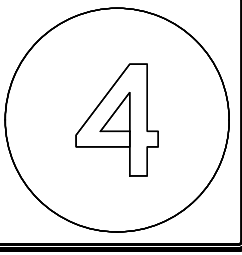
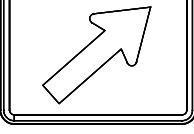


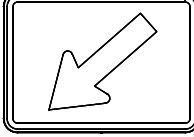
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 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

REVISÉD 05-16-2011

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T18

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION																		
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)															
S-1	36	36		R3-7	MEDIAN	EAST	US 68	182+00	S-7	30	36		R2-1	RT	EAST	US 68	188+50															
S-2	30	36		R2-1	RT	WEST	US 68	184+50	S-8	63	30		R3-8 (MOD.)	RT	NORTH	PASADENA	47+30															
S-3	36	36		R3-7	MEDIAN	EAST	US 68	185+00	S-9	48	30		R3-8B	RT	SOUTH	ALEXANDRIA	52+90															
S-4	21	15	 	M2-1	RT	WEST	US 68	185+70	S-10	24	12	  	M3-3	RT	WEST	US 68	196+10															
	24	24		24						24	MI-5		21					15	M6-2L													
S-5	24	12	 	M3-2	RT	EAST	US 68	186+10	S-11	24	12	  	M3-1	RT	WEST	US 68	196+10															
	24	24		24						24	MI-5		21					15	M6-2R													
S-6	36	36		R3-7	MEDIAN	EAST	US 68	188+00	S-12	36	36	 	W11-2	RT	NORTH	RAMP B	0+75															

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
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USER: \$\$\$USER\$\$\$

DATE: \$\$\$DATE\$\$\$

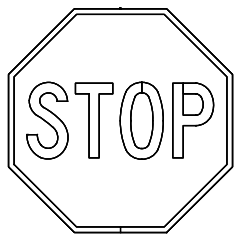

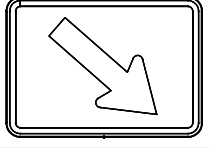
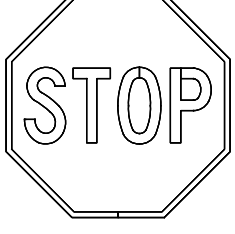
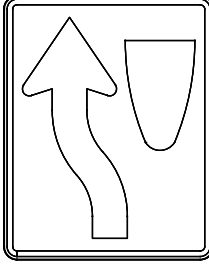
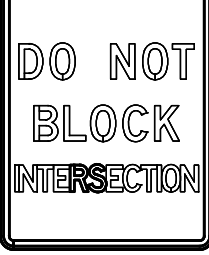
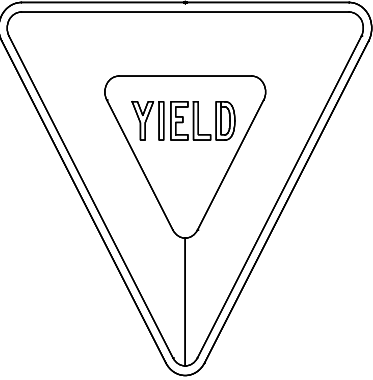

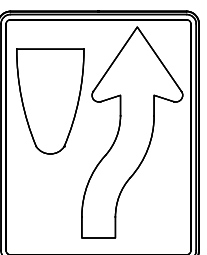
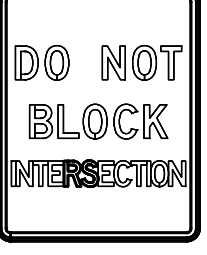
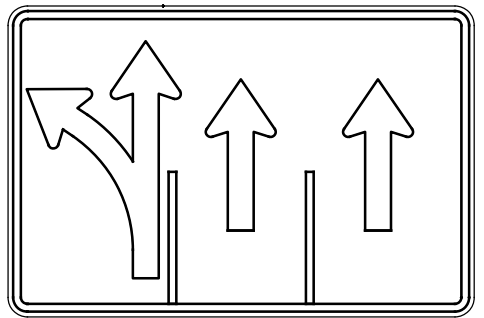
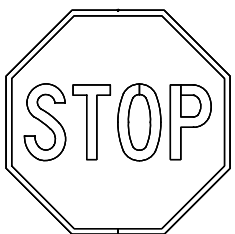

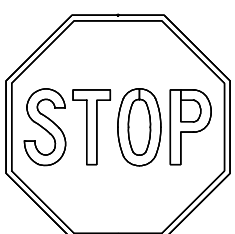

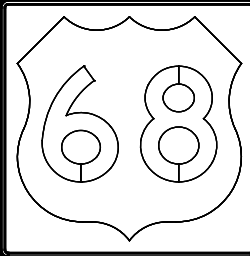
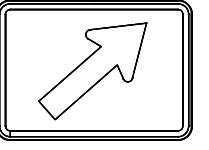
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E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T19

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-13	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	RT	WEST	RIGHT SHARED PATH	4+12	S-19	36	36	 	W11-2	LT	NORTH	RAMP B-1	10+65
	24	12															
S-14	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	LT	EAST	RIGHT SHARED PATH	4+37	S-20	24	30	 	R4-8	MEDIAN	WEST	US 68	197+95
	24	30															
S-15	36	36		R1-2	RT	NORTH	RAMP B	2+00	S-21	54	18		R6-1	MEDIAN	WEST	US 68	198+40
S-16	24	30	 	R4-7	MEDIAN	EAST	US 68	196+53	S-22	48	30		R3-8 (MOD.)	LT	WEST	US 68	200+30
	24	30		R10-7													
S-17	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	RT	WEST	RIGHT SHARED PATH	5+77	S-23	54	18		R6-1	RT	WEST	RAMP C-2	2013+17
S-18	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	LT	EAST	RIGHT SHARED PATH	6+26	S-24	24	12	  	M3-2	ISLAND	NORTH	RAMPS C-1 AND C-2	RAMP C-1 1012+61
										M1-4							
	24	24								M6-2R							
		21	15														

SPECIAL NOTES:

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SHEETING SIGN DETAIL SHEET

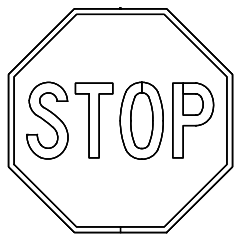

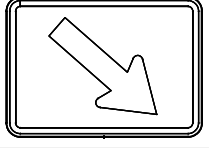
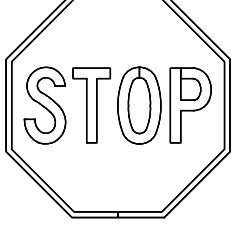
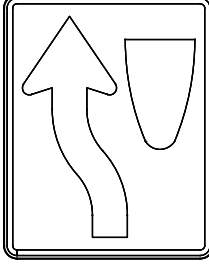
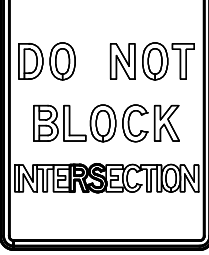
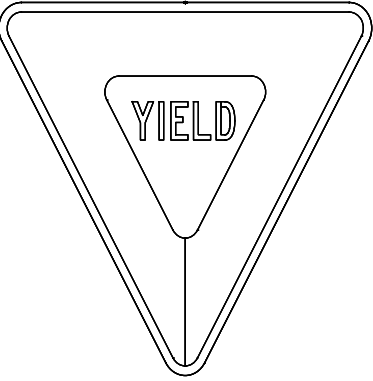

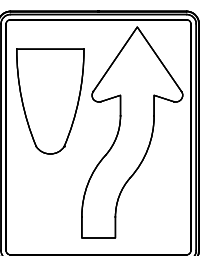
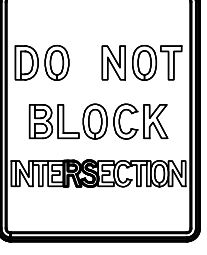
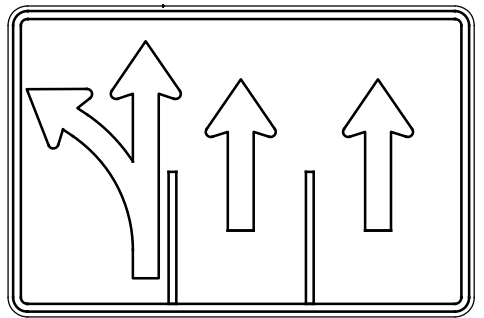
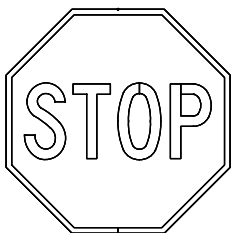

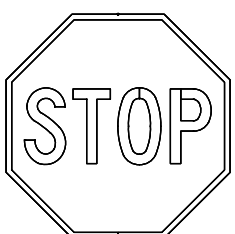

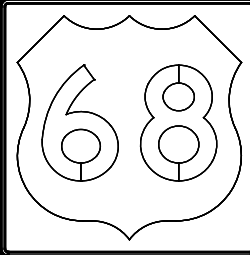
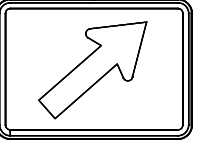
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 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$filespecification\$\$\$
 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

REVISÉD 05-16-2011

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T19

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-13	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	RT	WEST	RIGHT SHARED PATH	4+12	S-19	36	36	 	W11-2	LT	NORTH	RAMP B-1	10+65
S-14	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	LT	EAST	RIGHT SHARED PATH	4+37	S-20	24	30	 	R4-8	MEDIAN	WEST	US 68	197+95
S-15	36	36		R1-2	RT	NORTH	RAMP B	2+00	S-21	54	18		R6-1	MEDIAN	WEST	US 68	198+40
S-16	24	30	 	R4-7	MEDIAN	EAST	US 68	196+53	S-22	48	30		R3-8 (MOD.)	LT	WEST	US 68	200+30
	24	30		R10-7													
S-17	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	RT	WEST	RIGHT SHARED PATH	5+77	S-23	54	18		R6-1	RT	WEST	RAMP C-2	2013+17
S-18	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	LT	EAST	RIGHT SHARED PATH	6+26	S-24	24	12	  	M3-2	ISLAND	NORTH	RAMPS C-1 AND C-2	RAMP C-1 1012+61
										M1-4							
										M6-2R							

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE 1 POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.



USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$filespecification\$\$\$
 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T20

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-25	24	12	 	M3-4	ISLAND	NORTH	RAMPS C-1 AND C-2	RAMP C-1 1012+61	S-31	36	36	 	W1-2	LT	NORTH	RAMP C	7+75
	24	24		M1-4						18	18		W3-1P				
	21	15		M6-2L													
S-26	42	30		R5-1A	RT	SOUTH	RAMP C	10+50	S-32	36	36	 	W1-2	RT	NORTH	RAMP C	7+75
										18	18		W3-1P				
S-27	42	30		R5-1A	LT	SOUTH	RAMP C	10+50	S-33	48	30		R3-8 (MOD.)	RT	EAST	US 68	201+80
S-28			 NOTE: SEE SIGN DETAIL SHEETS FOR TEXT SIZE, LAYOUT AND DIMENSIONS	DESTINATION SIGN (SEE SHEET SIGN DETAIL SHEET T17)	RT	NORTH	RAMP C	10+00	S-34	54	18		R6-1	MEDIAN	EAST	US 68	203+03
													FROM RAMP A-2				
S-29	48	48		W3-3	RT	NORTH	RAMP C	9+00	S-35	24	30	 	R4-8	MEDIAN	EAST	US 68	203+54
										24	30		R10-7				
S-30	48	48		W3-3	LT	NORTH	RAMP C	9+00	S-36	54	18		R6-1	RT	EAST	RAMP A-2	2013+23

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

SHEETING SIGN DETAIL SHEET

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$file\$specifications\$\$\$
 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

REVISÉD 05-16-2011

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T20

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-25	24	12	 	M3-4	ISLAND	NORTH	RAMPS C-1 AND C-2	RAMP C-1 1012+61	S-31	36	36	 	W1-2	LT	NORTH	RAMP C	7+75
	24	24		M1-4						18	18		W3-1P				
	21	15		M6-2L													
S-26	42	30		R5-1A	RT	SOUTH	RAMP C	10+50	S-32	36	36	 	W1-2	RT	NORTH	RAMP C	7+75
										18	18		W3-1P				
S-27	42	30		R5-1A	LT	SOUTH	RAMP C	10+50	S-33	48	30		R3-8 (MOD.)	RT	EAST	US 68	201+80
S-28			 NOTE: SEE SIGN DETAIL SHEETS FOR TEXT SIZE, LAYOUT AND DIMENSIONS	DESTINATION SIGN (SEE SHEET SIGN DETAIL SHEET T17)	RT	NORTH	RAMP C	10+00	S-34	54	18		R6-1	MEDIAN	EAST	US 68	203+03
													FROM RAMP A-2				
S-29	48	48		W3-3	RT	NORTH	RAMP C	9+00	S-35	24	30	 	R4-8	MEDIAN	EAST	US 68	203+54
										24	30		R10-7				
S-30	48	48		W3-3	LT	NORTH	RAMP C	9+00	S-36	54	18		R6-1	RT	EAST	RAMP A-2	2013+23

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE T POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

SHEETING SIGN DETAIL SHEET


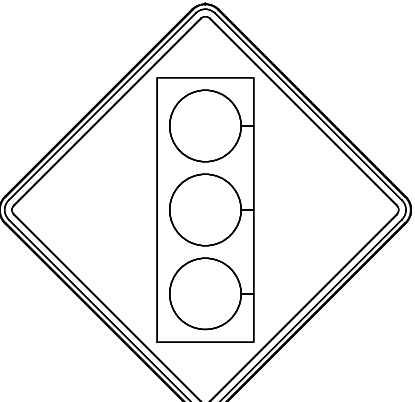
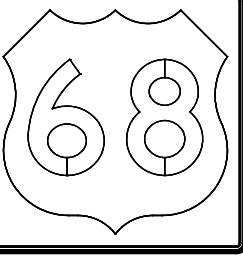
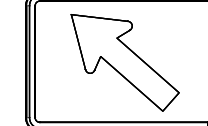

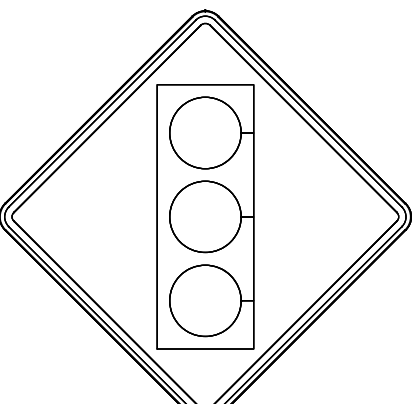
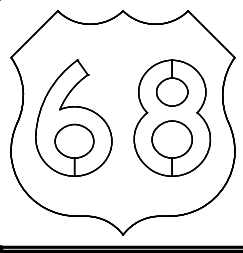
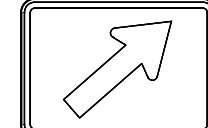
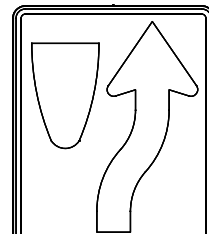

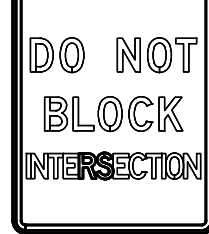

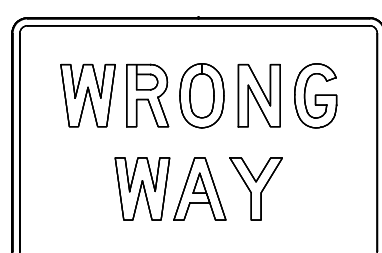
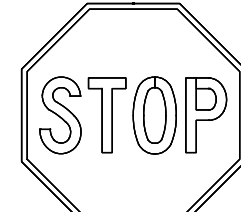
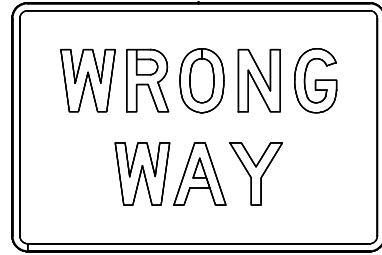
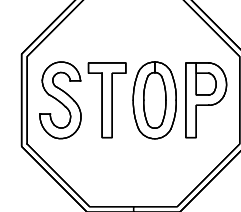
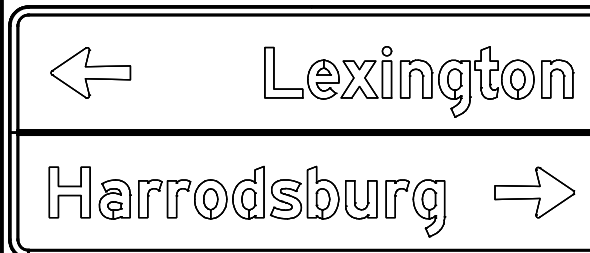
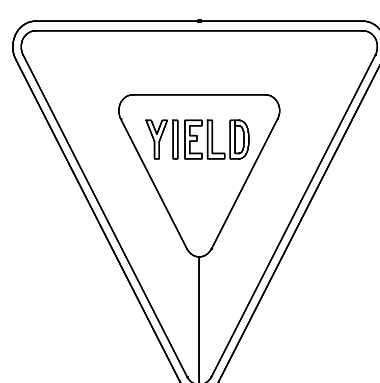


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 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T21

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION					
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		
S-37	24	12		M3-2	ISLAND	SOUTH	RAMPS A-1 AND A-2	RAMP A-1	1012+65	S-43	48	48		W3-3	RT	SOUTH	RAMP A	8+10	
	24	24		MI-4															
	21	15		M6-2L															
S-38	24	12		M3-4	ISLAND	SOUTH	RAMPS A-1 AND A-2	RAMP A-1	1012+65	S-44	48	48		W3-3	LT	SOUTH	RAMP A	8+10	
	24	24		MI-4															
	21	15		M6-2R															
S-39	24	30		R4-7	MEDIAN	WEST	US 68	205+00	S-45	36	36		W11-2	LT	SOUTH	RAMP D-1	1302+55		
	24	30		R10-7							24	12		W16-7P					
S-40	42	30		R5-1A	LT	NORTH	RAMP A	10+70	S-46	18	18	 <small>NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG.790)</small>	R1-1	RT	WEST	LEFT SHARED PATH	11+89		
S-41	42	30		R5-1A	RT	NORTH	RAMP A	10+70	S-47	18	18	 <small>NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG.790)</small>	R1-1	LT	EAST	LEFT SHARED PATH	12+27		
S-42			 <small>NOTE: SEE SIGN DETAIL SHEETS FOR TEXT SIZE, LAYOUT AND DIMENSIONS</small>	DESTINATION SIGN (SEE SHEET SIGN DETAIL SHEET T17)	RT	SOUTH	RAMP A	9+10	S-48	36	36		R1-2	RT	SOUTH	RAMP D	304+00		

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$filespecification\$\$\$
 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

REVISÉD 05-16-2011

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T21

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-37	24	12	 	M3-2	ISLAND	SOUTH	RAMPS A-1 AND A-2	RAMP A-1 1012+65	S-43	48	48		W3-3	RT	SOUTH	RAMP A	8+10
	24	24		MI-4													
	21	15		M6-2L													
S-38	24	12	 	M3-4	ISLAND	SOUTH	RAMPS A-1 AND A-2	RAMP A-1 1012+65	S-44	48	48		W3-3	LT	SOUTH	RAMP A	8+10
	24	24		MI-4													
	21	15		M6-2R													
S-39	24	30	 	R4-7	MEDIAN	WEST	US 68	205+00	S-45	36	36	 	W11-2	LT	SOUTH	RAMP D-1	1302+55
	24	30		R10-7									W16-7P				
S-40	42	30		R5-1A	LT	NORTH	RAMP A	10+70	S-46	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG.790)	R1-1	RT	WEST	LEFT SHARED PATH	11+89
S-41	42	30		R5-1A	RT	NORTH	RAMP A	10+70	S-47	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG.790)	R1-1	LT	EAST	LEFT SHARED PATH	12+27
S-42			 NOTE: SEE SIGN DETAIL SHEETS FOR TEXT SIZE, LAYOUT AND DIMENSIONS	DESTINATION SIGN (SEE SHEET SIGN DETAIL SHEET T17)	RT	SOUTH	RAMP A	9+10	S-48	36	36		R1-2	RT	SOUTH	RAMP D	304+00

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE II POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

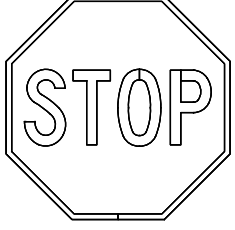
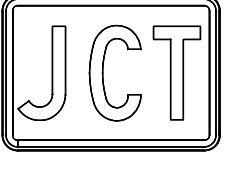
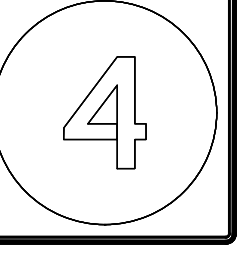
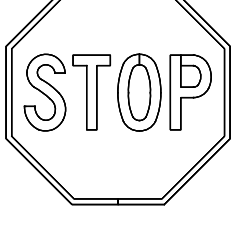

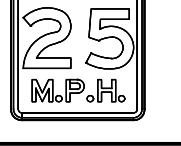

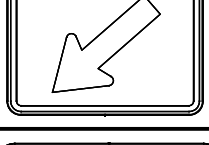

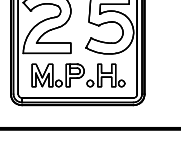

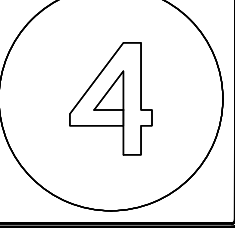
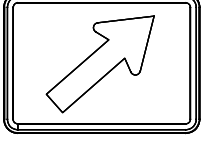

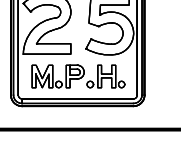

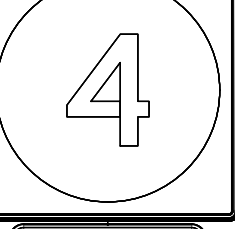
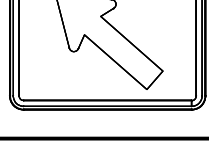

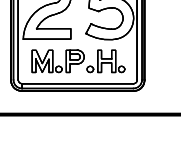

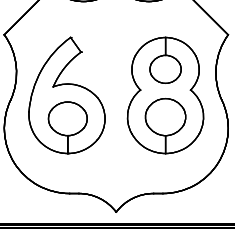


USER: \$\$\$USER\$\$\$
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 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T22

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION						
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)			
S-49	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	RT	WEST	LEFT SHARED PATH	13+99	S-55	21	15	 	M2-1	LT	EAST	US 68	218+86			
				M1-5																
S-50	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	R1-1	LT	EAST	LEFT SHARED PATH	14+24	S-58	36	36	 	CUSTOM WARNING SIGN	MEDIAN	WEST	US 68	193+50			
				W3-1P																
S-51	36	36	 	W11-2	RT	SOUTH	RAMP D	302+53	S-59	36	36	 	CUSTOM WARNING SIGN	RT	WEST	US 68	193+50			
		24		12	W16-7P								18	18	W3-1P					
S-52	24	12	  	M3-3	LT	EAST	US 68	205+75	S-60	36	36	 	CUSTOM WARNING SIGN	LT	EAST	US 68	210+00			
		24		24	M1-5						18		18	W3-1P						
		21		15	M6-2R															
S-53	24	12	  	M3-1	LT	EAST	US 68	205+75	S-61	36	36	 	CUSTOM WARNING SIGN	MEDIAN	EAST	US 68	210+00			
		24		24	M1-5						18		18	W3-1P						
		21		15	M6-2L															
S-54	24	12	 	M3-4	RT	WEST	US 68	209+60												
		24		24	M1-4															

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

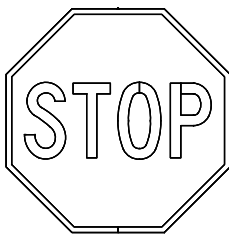
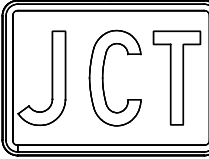
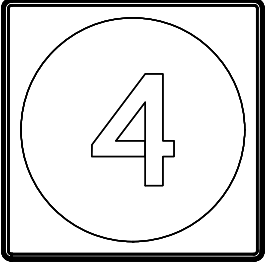
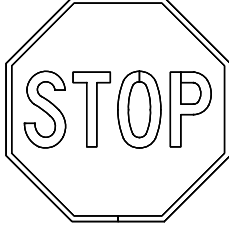



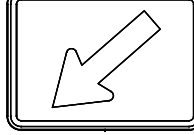


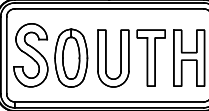
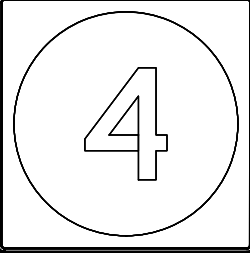
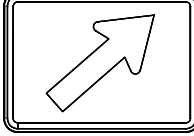



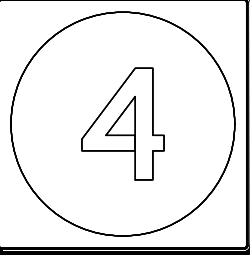




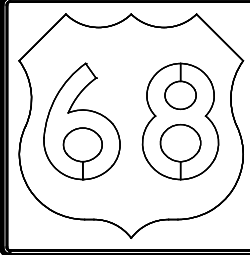
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 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

SHEETING SIGNS DETAIL SHEET

REVISÉD 05-16-2011

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	7-144.01	T22

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION						
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S-49	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	RI-1	RT	WEST	LEFT SHARED PATH	13+99	S-55	21	15	 	M2-1	LT	EAST	US 68	218+86			
S-50	18	18	 NOTE: SIGNS ON SHARED PATH TO BE SET AT A HEIGHT OF 4 FT. FROM GROUND TO BOTTOM OF SIGN (MUTCD PG. 790)	RI-1	LT	EAST	LEFT SHARED PATH	14+24	S-58	36	36	 	CUSTOM WARNING SIGN	MEDIAN	WEST	US 68	193+50			
																W3-1P				
S-51	36	36	 	W11-2	RT	SOUTH	RAMP D	302+53	S-59	36	36	 	CUSTOM WARNING SIGN	RT	WEST	US 68	193+50			
		24		12												W3-1P				
S-52	24	12	  	M3-3	LT	EAST	US 68	205+75	S-60	36	36	 	CUSTOM WARNING SIGN	LT	EAST	US 68	210+00			
		24		24	MI-5											W3-1P				
		21		15	M6-2R															
S-53	24	12	  	M3-1	LT	EAST	US 68	205+75	S-61	36	36	 	CUSTOM WARNING SIGN	MEDIAN	EAST	US 68	210+00			
		24		24	MI-5											W3-1P				
		21		15	M6-2L															
S-54	24	12	 	M3-4	RT	WEST	US 68	209+60												
		24		24	MI-4															

SPECIAL NOTES:

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
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SHEETING SIGN DETAIL SHEET



USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$filespecification\$\$\$
 E-SHEET NAME: T050 SHEETING SIGN DETAIL SHEET

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PART II	SPECIFICATIONS AND STANDARD DRAWINGS <ul style="list-style-type: none">• SPECIFICATIONS REFERENCE• SUPPLEMENTAL SPECIFICATIONS• [SN-1I] PORTABLE CHANGEABLE SIGNS• [SN-7S] STRUCTURAL ADHESIVES WITH EXTENDED CONTACT TIME• [SN-10W] WATERBLASTING STRIPING REMOVAL• [SN-10Z] EXCAVATION AND EMBANKMENT
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PART IV	INSURANCE
PART V	BID ITEMS

ASPHALT MIXTURE

The rate of application for all asphalt mixtures shall be estimated at 110 lbs/sy per inch of depth, unless otherwise noted.

DGA BASE

The rate of application for DGA Base shall be estimated at 115 lbs/sy per inch of depth.

DGA BASE FOR SHOULDERS

The rate of application shall be estimated at 115 lbs/sy per inch of depth. Payment for necessary grading and/or shaping of existing shoulders prior to placing of Dense Graded Aggregate Base shall be included in the unit price bid per ton for Dense Graded Aggregate Base.

INCIDENTAL SURFACING

The quantities established in the proposal include estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, and road and street approaches. These items are to be paved to the limits as shown on Standard Drawing RPM 110 or to the limits as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, the paving of the crossroads shall be to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. These areas are to be surfaced or resurfaced as directed by the Engineer and no direct payment will be allowed for placing and compacting.

FUEL AND ASPHALT PAY ADJUSTMENT

The following contract items: Asphalt Adjustment and Fuel Adjustment, are for possible future payments. Additional monies may need to be setup with an additional change order if existing contract amount is insufficient to pay all items on the contract. Unit price is \$1.00. Quantity will be actual adjustment after work is completed.

OPTION A

The Contractor is advised that the compaction of asphalt mixtures furnished for driving lanes and ramps, at 25mm (1 inch) or greater, on this project will be accepted according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specification. Joint cores as described in subsection 402.03.02 are required for surface mixtures only. The compaction of all other asphalt mixtures will be accepted by OPTION B.

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COUNTY: FAYETTE
PROPOSAL: NH 2681(026)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 ROADWAY						
0010	00001	DGA BASE	7,984.000	TON		
0020	00003	CRUSHED STONE BASE	4,754.000	TON		
0030	00071	CRUSHED AGGREGATE SIZE NO 57	8.000	TON		
0040	00100	ASPHALT SEAL AGGREGATE	20.000	TON		
0050	00190	LEVELING & WEDGING PG64-22	2,156.000	TON		
0060	00193	ASPHALT SCRATCH COURSE PG76-22	1,739.000	TON		
0070	00212	CL2 ASPH BASE 1.00D PG64-22	210.000	TON		
0080	00214	CL3 ASPH BASE 1.00D PG64-22	6,355.000	TON		
0090	00221	CL2 ASPH BASE 0.75D PG64-22	361.000	TON		
0100	00223	CL3 ASPH BASE 0.75D PG64-22	900.000	TON		
0110	00291	EMULSIFIED ASPHALT RS-2	3.000	TON		
0120	00301	CL2 ASPH SURF 0.38D PG64-22	242.000	TON		
0130	00336	CL3 ASPH SURF 0.38A PG76-22	3,793.000	TON		
0140	00521	STORM SEWER PIPE-15 IN	1,368.000	LF		
0150	00522	STORM SEWER PIPE-18 IN	1,877.000	LF		
0160	00524	STORM SEWER PIPE-24 IN	292.000	LF		
0170	00526	STORM SEWER PIPE-30 IN	48.000	LF		
0180	00528	STORM SEWER PIPE-36 IN	146.000	LF		
0190	01000	PERFORATED PIPE-4 IN	7,000.000	LF		
0200	01010	NON-PERFORATED PIPE-4 IN	700.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	(1.00)	LS		
0220	01310	REMOVE PIPE	185.000	LF		
0230	01314	PLUG PIPE	1.000	EACH		
0240	01432	SLOPED BOX OUTLET TYPE 1-15 IN	1.000	EACH		
0250	01433	SLOPED BOX OUTLET TYPE 1-18 IN	4.000	EACH		
0260	01456	CURB BOX INLET TYPE A	30.000	EACH		
0270	01480	CURB BOX INLET TYPE B	2.000	EACH		
0280	01496	DROP BOX INLET TYPE 3	2.000	EACH		
0290	01499	DROP BOX INLET TYPE 4	1.000	EACH		
0300	01544	DROP BOX INLET TYPE 11	2.000	EACH		
0310	01550	DROP BOX INLET TYPE 12A	14.000	LF		
0320	01559	DROP BOX INLET TYPE 13G	4.000	EACH		
0330	01568	DROP BOX INLET TYPE 13S	2.000	EACH		
0340	01585	REMOVE DROP BOX INLET	2.000	EACH		
0350	01634	CAP CURB BOX INLET	17.000	EACH		
0360	01641	JUNCTION BOX-15 IN	1.000	EACH		
0370	01645	JUNCTION BOX-36 IN	1.000	EACH		
0380	01655	REMOVE JUNCTION BOX	1.000	EACH		
0390	01691	FLUME INLET TYPE 2	1.000	EACH		
0400	01705	REMOVE CURB & GUTTER BOX INLET	6.000	EACH		
0410	01740	CORED HOLE DRAINAGE BOX CON-4 IN	30.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0420	01756	MANHOLE TYPE A	2.000	EACH		
0430	01767	MANHOLE TYPE C	2.000	EACH		
0440	01791	ADJUST MANHOLE FRAME TO GRADE	1.000	EACH		
0450	01810	STANDARD CURB AND GUTTER	1,153.000	LF		
0460	01811	STANDARD CURB AND GUTTER MOD	3,224.000	LF		
0470	01815	BARRIER CURB AND GUTTER	1,142.000	LF		
0480	01875	STANDARD HEADER CURB	1,190.000	LF		
0490	01880	BARRIER HEADER CURB	1,174.000	LF		
0500	01897	ASPHALT WEDGE CURB	50.000	LF		
0510	01904	REMOVE CURB	397.000	LF		
0520	01982	DELINEATOR FOR GUARDRAIL-WHITE	7.000	EACH		
0530	01984	DELINEATOR FOR BARRIER-WHITE	6.000	EACH		
0540	01985	DELINEATOR FOR BARRIER-YELLOW	6.000	EACH		
0550	02065	PCC BASE-10 IN	2,267.000	SQYD		
0560	02091	REMOVE PAVEMENT	1,574.000	SQYD		
0570	02101	CEM CONC ENT PAVEMENT-8 IN	118.000	SQYD		
0580	02155	PAVED DITCH TYPE 1 MOD	16.000	SQYD		
0590	02157	PAVED DITCH TYPE 1	667.000	SQYD		
0600	02159	TEMP DITCH	3,000.000	LF		
0610	02165	REMOVE PAVED DITCH	471.000	SQYD		
0620	02220	FLOWABLE FILL	140.000	CUYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0630	02231	STRUCTURE GRANULAR BACKFILL	360.000	CUYD		
0640	02351	GUARDRAIL-STEEL W BEAM-S FACE	638.000	LF		
0650	02369	GUARDRAIL END TREATMENT TYPE 2A	2.000	EACH		
0660	02381	REMOVE GUARDRAIL	888.000	LF		
0670	02429	RIGHT-OF-WAY MONUMENT TYPE 1	2.000	EACH		
0680	02555	CONCRETE-CLASS B	366.200	CUYD		
0690	02562	SIGNS	1,000.000	SQFT		
0700	02585	EDGE KEY	93.000	LF		
0710	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	1,106.000	SQYD	2.00	2,212.00
0720	02625	REMOVE HEADWALL	14.000	EACH		
0730	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
0740	02671	PORTABLE CHANGEABLE MESSAGE SIGN	10.000	EACH		
0750	02676	MOBILIZATION FOR MILL & TEXT	(1.00)	LS		
0760	02677	ASPHALT PAVE MILLING & TEXTURING	3,218.000	TON		
0770	02690	SAFELOADING	52.000	CUYD		
0780	02701	TEMP SILT FENCE	3,000.000	LF		
0790	02704	SILT TRAP TYPE B	15.000	EACH		
0800	02705	SILT TRAP TYPE C	20.000	EACH		
0810	02707	CLEAN SILT TRAP TYPE B	30.000	EACH		
0820	02708	CLEAN SILT TRAP TYPE C	20.000	EACH		
0830	02709	CLEAN TEMP SILT FENCE	3,000.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0840	02720	SIDEWALK-4 IN CONCRETE	2,875.000	SQYD		
0850	02726	STAKING	(1.00)	LS		
0860	02775	ARROW PANEL	6.000	EACH		
0870	02998	MASONRY COATING	708.000	SQYD		
0880	03171	CONCRETE BARRIER WALL TYPE 9T	200.000	LF		
0890	03387	PVC PIPE-8 IN	4.000	LF		
0900	05950	EROSION CONTROL BLANKET	16,451.000	SQYD		
0910	05952	TEMP MULCH	23,500.000	SQYD		
0920	05953	TEMP SEEDING AND PROTECTION	23,500.000	SQYD		
0930	05966	TOPDRESSING FERTILIZER	1.200	TON		
0940	05990	SODDING	1,874.000	SQYD		
0950	06510	PAVE STRIPING-TEMP PAINT-4 IN	40,816.000	LF		
0960	06514	PAVE STRIPING-PERM PAINT-4 IN	51,000.000	LF		
0970	06515	PAVE STRIPING-PERM PAINT-6 IN	12,188.000	LF		
0980	06516	PAVE STRIPING-PERM PAINT-8 IN	444.000	LF		
0990	06517	PAVE STRIPING-PERM PAINT-12 IN	3,540.000	LF		
1000	06549	PAVE STRIPING-TEMP REM TAPE-B	2,000.000	LF		
1010	06570	PAVE MARKING-PAINT CROSS-HATCH	4,258.000	SQFT		
1020	06591	PAVEMENT MARKER TYPE V-BY	25.000	EACH		
1030	06592	PAVEMENT MARKER TYPE V-B W/R	488.000	EACH		
1040	06593	PAVEMENT MARKER TYPE V-B Y/R	301.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1050	06600	REMOVE PAVEMENT MARKER TYPE V	350.000	EACH		
1060	06601NC	PAVE MARKING-PAINT WORDS	30.000	EACH		
1070	06602NC	PAVE MARKING-PAINT SYMBOL	4.000	EACH		
1080	08001	STRUCTURE EXCAVATION-COMMON	799.000	CUYD		
1090	08100	CONCRETE-CLASS A	92.000	CUYD		
1100	08150	STEEL REINFORCEMENT	1,386.000	LB		
1110	08151	STEEL REINFORCEMENT-EPOXY COATED	2,558.000	LB		
1120	08901	CRASH CUSHION TY VI CLASS BT TL2	4.000	EACH		
1130	10020NS	FUEL ADJUSTMENT	27,067.000	DOLL	1.00	27,067.00
1140	10030NS	ASPHALT ADJUSTMENT	37,444.000	DOLL	1.00	37,444.00
1150	20099ES842	PAVE MARK TEMP PAINT STOP BAR	275.000	LF		
1160	20205EC	PAVE MARK STOP BAR-24 IN PAINT	1,256.000	LF		
1170	20208NC	PAVE MARK-PAINT ARROWS	364.000	EACH		
1180	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	931.000	LF		
1190	20418ED	REMOVE & RELOCATE SIGNS	18.000	EACH		
1200	20430ED	SAW CUT	7,507.000	LF		
1210	20432ES112	REMOVE CRASH CUSHION	2.000	EACH		
1220	21289ED	LONGITUDINAL EDGE KEY	979.000	LF		
1230	21341ND	BOLLARDS	2.000	EACH		
1240	21342ED	FORM LINER	969.000	SQFT		
1250	21533EN	EMBANKMENT	8,232.000	CUYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1260	21554EN	EXCAVATION	13,096.000	CUYD		
1270	23131ER701	PIPELINE VIDEO INSPECTION	1,853.000	LF		
1280	23158ES505	DETECTABLE WARNINGS	564.000	SQFT		
1290	23237EN10W	WATERBLAST STRIPE REMOVAL	1,000.000	LF		
1300	23979EC	CRASH CUSHION TY VI CLASS C TL3	4.000	EACH		
1310	24109EC	BARRIER CURB AND GUTTER-MOD	3,115.000	LF		
1320	24110EC	PERM PAINT-BARRIER CURB	5,317.000	LF		
SECTION 0002 SIGNING						
1330	06405	SBM ALUMINUM PANEL SIGNS	910.000	SQFT		
1340	06406	SBM ALUM SHEET SIGNS .080 IN	488.000	SQFT		
1350	06407	SBM ALUM SHEET SIGNS .125 IN	270.000	SQFT		
1360	06410	STEEL POST TYPE 1 (REVISED: 5-17-11)	1,017.000	LF		
1380	06417	FLEXIBLE DELINEATOR POST-W	137.000	EACH		
1390	06418	FLEXIBLE DELINEATOR POST-Y	109.000	EACH		
1400	06441	GMSS GALV STEEL TYPE C	4,500.000	LB		
1410	06448	SIGN BRIDGE ATTACHMENT BRACKET	2.000	EACH		
1420	06449	REM OVERHEAD SIGN SUPPORT STR	2.000	EACH		
1430	06451	REMOVE SIGN SUPPORT BEAM	8.000	EACH		
1440	06490	CLASS A CONCRETE FOR SIGNS	13.440	CUYD		
1450	06491	STEEL REINFORCEMENT FOR SIGNS	792.000	LB		
1460	20418ED	REMOVE & RELOCATE SIGNS	18.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1470	21373ND	REMOVE SIGN	51.000	EACH		
1480	21596ND	GMSS TYPE D	4.000	EACH		
SECTION 0003 SIGNALIZATION						
1490	04700	POLE 30 FT MTG HT	2.000	EACH		
1500	04740	POLE BASE	2.000	EACH		
1510	04750	TRANSFORMER BASE	2.000	EACH		
1520	04795	CONDUIT-2 IN	2,520.000	LF		
1530	04797	CONDUIT-3 IN	120.000	LF		
1540	04811	JUNCTION BOX TYPE B	8.000	EACH		
1550	04820	TRENCHING AND BACKFILLING	1,750.000	LF		
1560	04821	OPEN CUT ROADWAY	750.000	LF		
1570	04830	LOOP WIRE	14,640.000	LF		
1580	04845	CABLE-NO. 14/7C	21,590.000	LF		
1590	04850	CABLE-NO. 14/1 PAIR (REVISED: 5-9-11)	5,930.000	LF		
1600	04871	POLE 35 FT WOODEN	1.000	EACH		
1601	04881	MAST ARM POLE (ADDED: 5-9-11)	8.000	EACH		
1610	04884	ANCHOR	1.000	EACH		
1620	04886	MESSENGER-15400 LB	1,200.000	LF		
1630	04895	LOOP SAW SLOT AND FILL	5,510.000	LF		
1640	04932	INSTALL STEEL STRAIN POLE	8.000	EACH		
1650	04934	TEMP SIGNAL MULTI PHASE	2.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1660	04950	REMOVE SIGNAL EQUIPMENT	4.000	EACH		
1670	20188NS835	INSTALL LED SIGNAL-3 SECTION	63.000	EACH		
1680	20189NS835	INSTALL LED SIGNAL-5 SECTION	1.000	EACH		
1690	20266ES835	INSTALL LED SIGNAL- 4 SECTION	1.000	EACH		
1710	20391NS835	JUNCTION BOX TYPE A	10.000	EACH		
1720	20392NS835	JUNCTION BOX TYPE C	8.000	EACH		
1730	21543EN	BORE AND JACK CONDUIT	1,850.000	LF		
1740	21743NN	INSTALL PEDESTRIAN DETECTOR	20.000	EACH		
1760	23052NN	SPAN MOUNTED SIGN	25.000	EACH		
1770	23064NN	INSTALL SIGNAL-PEDESTRIAN COUNTDOWN	20.000	EACH		
1780	23157EN	TRAFFIC SIGNAL POLE BASE	75.400	CUYD		
1790	23222EC	INSTALL SIGNAL PEDESTAL	9.000	EACH		
1800	23235EC	INSTALL PEDESTAL POST	2.000	EACH		
1810	24107EC	CABLE-NO. 14/8 PAIR	1,450.000	LF		
1820	24108EC	INSTALL SIG CONTROLLER-TY 2070	3.000	EACH		
1830	24121EC	HDPE CONDUIT-2 IN-SCHEDULE 80	650.000	LF		
1840	24122EC	TRANSFORMER PAD	3.000	CUYD		
1850	24123EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 40	225.000	LF		
1860	24124EC	PVC CONDUIT-2 IN-SCHEDULE 40 (REVISED: 5-9-11)	3,350.000	LF		
1870	24125EC	PVC CONDUIT-3 IN-SCHEDULE 40	490.000	LF		

SECTION 0004 LIGHTING

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1880	04700	POLE 30 FT MTG HT	18.000	EACH		
1890	04701	POLE 40 FT MTG HT	37.000	EACH		
1900	04710	POLE 80 FT MTG HT HIGH MAST	4.000	EACH		
1910	04720	BRACKET 4 FT (REVISED: 5-9-11)	5.000	EACH		
1940	04723	BRACKET 10 FT (REVISED: 5-9-11)	15.000	EACH		
1950	04724	BRACKET 12 FT	8.000	EACH		
1960	04725	BRACKET 15 FT	27.000	EACH		
1970	04740	POLE BASE	55.000	EACH		
1980	04750	TRANSFORMER BASE	55.000	EACH		
1990	04761	LIGHTING CONTROL EQUIPMENT (REVISED: 5-9-11)	2.000	EACH		
2000	04770	HPS LUMINAIRE	55.000	EACH		
2010	04773	HPS LUMINAIRE HIGH MAST	20.000	EACH		
2020	04780	FUSED CONNECTOR KIT	116.000	EACH		
2030	04793	CONDUIT-1 1/4 IN (REVISED: 5-9-11)	9,940.000	LF		
2040	04795	CONDUIT-2 IN (REVISED: 5-9-11)	240.000	LF		
2050	04797	CONDUIT-3 IN (REVISED: 5-9-11)	1,680.000	LF		
2060	04800	MARKER	7.000	EACH		
2070	04820	TRENCHING AND BACKFILLING	15,830.000	LF		
2071	04821	OPEN CUT ROADWAY (ADDED: 5-9-11)	300.000	LF		
2080	04832	WIRE-NO. 12	10,300.000	LF		
2090	04833	WIRE-NO. 8 (REVISED: 5-9-11)	7,700.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
2100	04834	WIRE-NO. 6 (REVISED: 5-9-11)	3,000.000	LF		
2110	04860	CABLE-NO. 8/3C DUCTED	3,000.000	LF		
2120	04861	CABLE-NO. 6/3C DUCTED	800.000	LF		
2130	20391NS835	JUNCTION BOX TYPE A	10.000	EACH		
2140	20392NS835	JUNCTION BOX TYPE C	11.000	EACH		
2150	21543EN	BORE AND JACK CONDUIT (REVISED: 5-9-11)	1,830.000	LF		
2160	23022NN	INSTALL HIGH MAST CONTROL CABLE	1.000	EACH		
2170	23023NN	RETROFIT HIGH MAST LOWERING DEVICE	1.000	EACH		
2180	23161EN	POLE BASE-HIGH MAST (REVISED: 5-9-11)	38.000	CUYD		
2190	24111EC	LUMINAIRE WITH CEILING MOUNT	2.000	EACH		
2200	24121EC	HDPE CONDUIT-2 IN-SCHEDULE 80	2,470.000	LF		
2210	24124EC	PVC CONDUIT-2 IN-SCHEDULE 40	1,200.000	LF		
SECTION 0005 DEMOB AND MOB						
2220	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
2230	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
TOTAL BID						