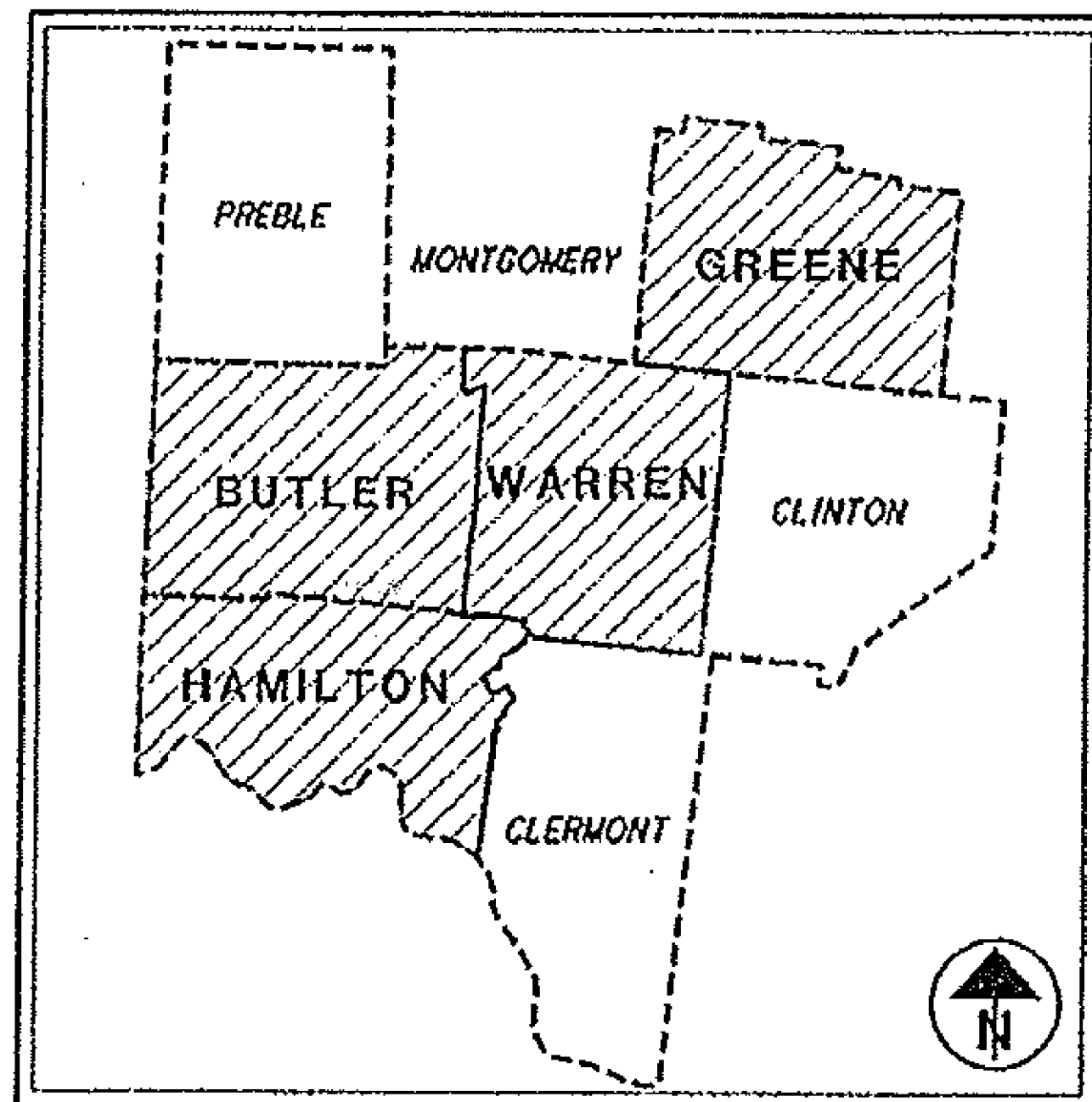


D08 - SIGN-FY2015
148032 PID - 87029
Dist 8 9/18/2014
Contract Proposal Available @ www.
contracts.dot.state.oh.us/home



LOCATION MAP
(NOT TO SCALE)
LATITUDE: 39°25'52" LONGITUDE: 84°17'03"

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

D08-SIGN-FY2015

DISTRICT 8
BUTLER, GREENE, HAMILTON,
AND WARREN COUNTIES

CITY OF HAMILTON, CITY OF BLUE ASH,
CITY OF MONTGOMERY, CITY OF MASON,
CITY OF LEBANON, CITY OF NORTH COLLEGE HILL,
CITY OF MT HEALTHY, CITY OF CINCINNATI,
CITY OF READING, CITY OF BEAVERCREEK,
CITY OF XENIA, VILLAGE OF AMBERLEY,
VILLAGE OF SOUTH LEBANON

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ELEVATION VIEWS	105 - 131
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DESIGN EXCEPTIONS
NONE REQUIRED

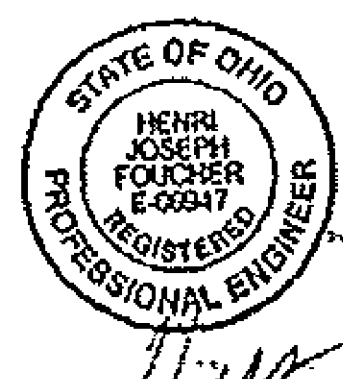
UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG
CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: 1-800-925-0988

PLAN PREPARED BY:



1105 SCHROCK ROAD, SUITE 400, COLUMBUS, OH 43229

ENGINEERS SEAL:



SIGNED: *[Signature]*
DATE: 12/17/13

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
NCS-1.1	7/18/13	TC-7.65	1/21/11	TC-41.41	1/21/11	800 7/18/2014	
NCS-2.1	7/19/13	TC-9.10	1/21/11	TC-41.50	1/18/13	821 4/20/12	
NCS-3.2	1/18/13	TC-9.30	1/21/11	TC-42.10	1/19/07	832 7/17/14	
NCS-4.2	7/19/13	TC-12.30	1/21/11	TC-42.20	1/21/11	878 10/18/13	
NCS-4.3	1/18/13	TC-15.115	1/21/11	TC-51.11	1/21/11	921 4/20/12	
NCS-5.3	7/19/13	TC-16.21	4/15/11	TC-51.12	10/21/11		
		TC-17.10	1/21/11	TC-52.10	1/18/13		
LA-1.1	10/15/10	TC-18.26	1/21/11	TC-52.20	1/18/13		
		TC-21.10	1/19/07				
MT-95.30	7/19/13	TC-21.20	1/18/13				
MT-95.31	7/19/13	TC-22.10	1/19/01				
MT-95.32	7/19/13	TC-22.20	1/18/13				
MT-95.50	7/19/13	TC-41.10	7/19/13				
MT-99.50	1/18/13	TC-41.20	1/19/01				
MT-101.60	7/20/12	TC-41.30	1/19/07				
MT-105.10	7/20/12	TC-41.40	7/18/04				

PROJECT DESCRIPTION

DISTRICT-WIDE SIGNING REPLACEMENT CONTRACT
FOR FY2015. REMOVAL AND REPLACEMENT OF
VARIOUS SIGNS AND SUPPORTS WITHIN BUTLER,
GREENE, HAMILTON, AND WARREN COUNTIES IN
DISTRICT 8.

PROJECT EARTH DISTURBED AREA: N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF
OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING
CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED
IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE
THAT THE MAKING OF THIS IMPROVEMENT WILL NOT
REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY
AND THAT PROVISIONS FOR THE MAINTENANCE AND
SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE
PLANS AND ESTIMATES.

APPROVED: *[Signature]*
DATE 12/19/13 DISTRICT DEPUTY DIRECTOR

APPROVED: *[Signature]*
DATE 12/19/13 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

FEDERAL PROJECT NO.
E110(748)

PID NO.
87029

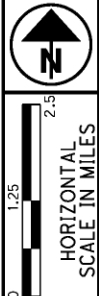
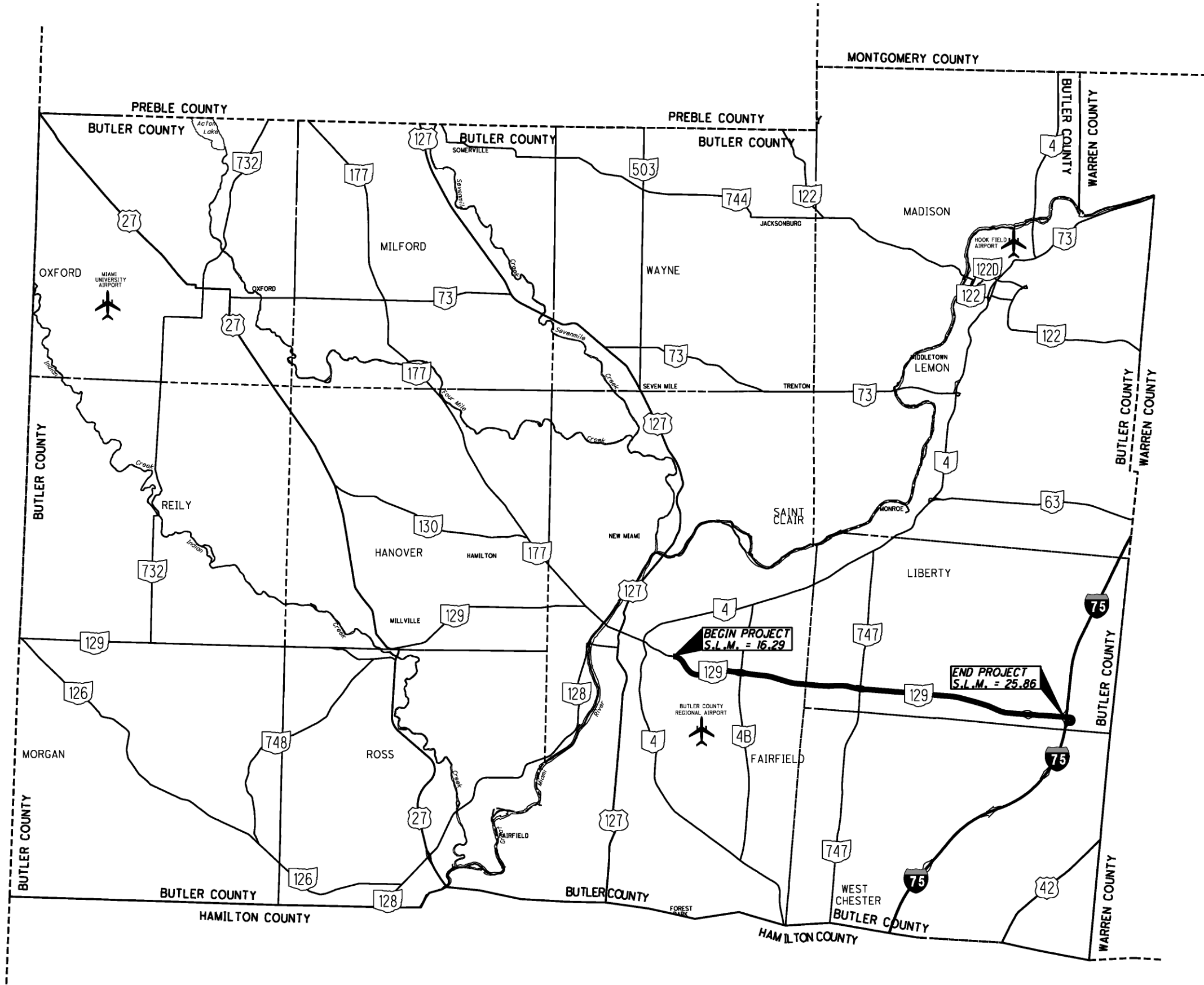
CONSTRUCTION PROJECT NO.

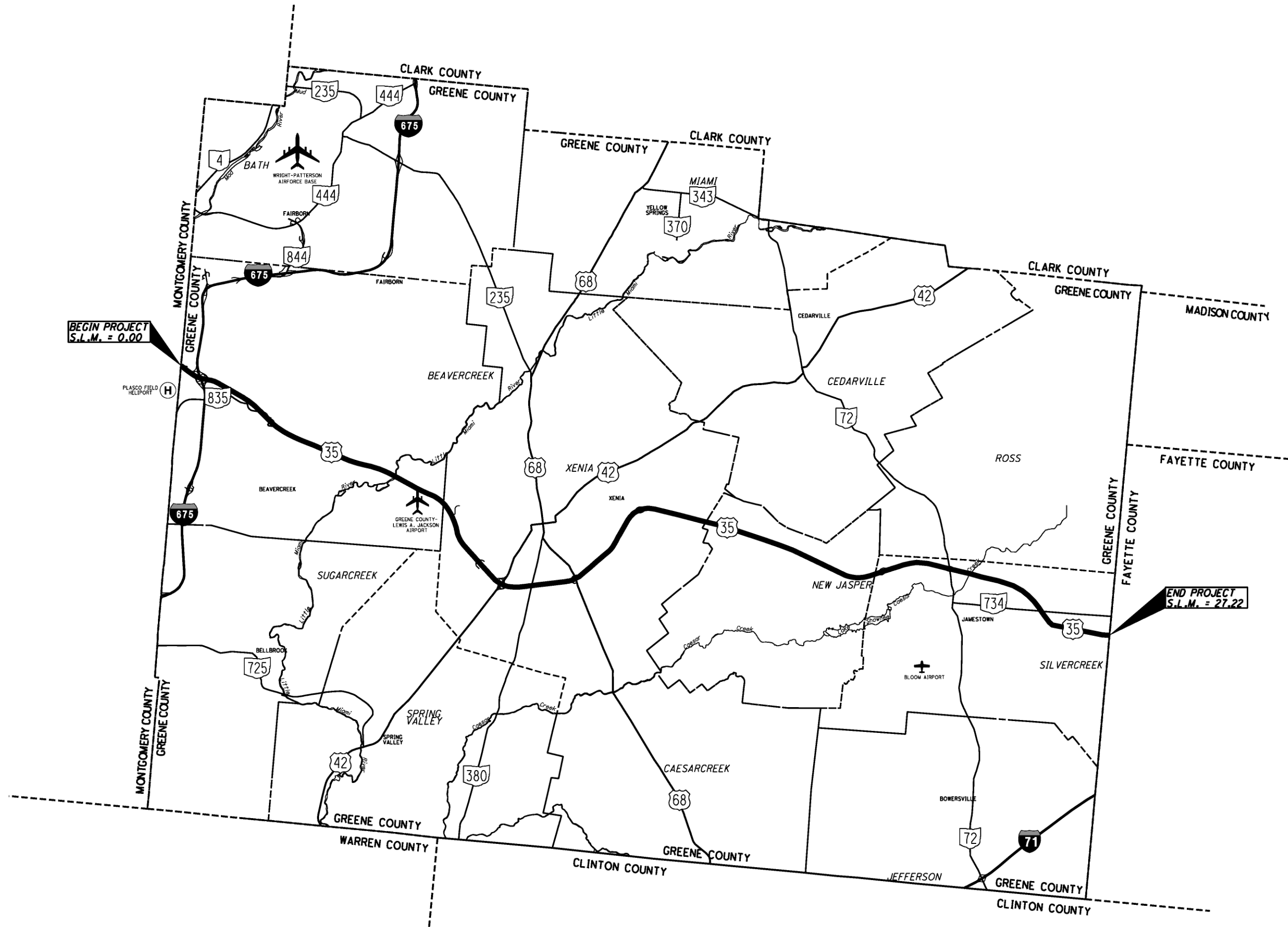
RAILROAD INVOLVEMENT
NONE

D08-SIGN-FY2015

1
132

INDIANA

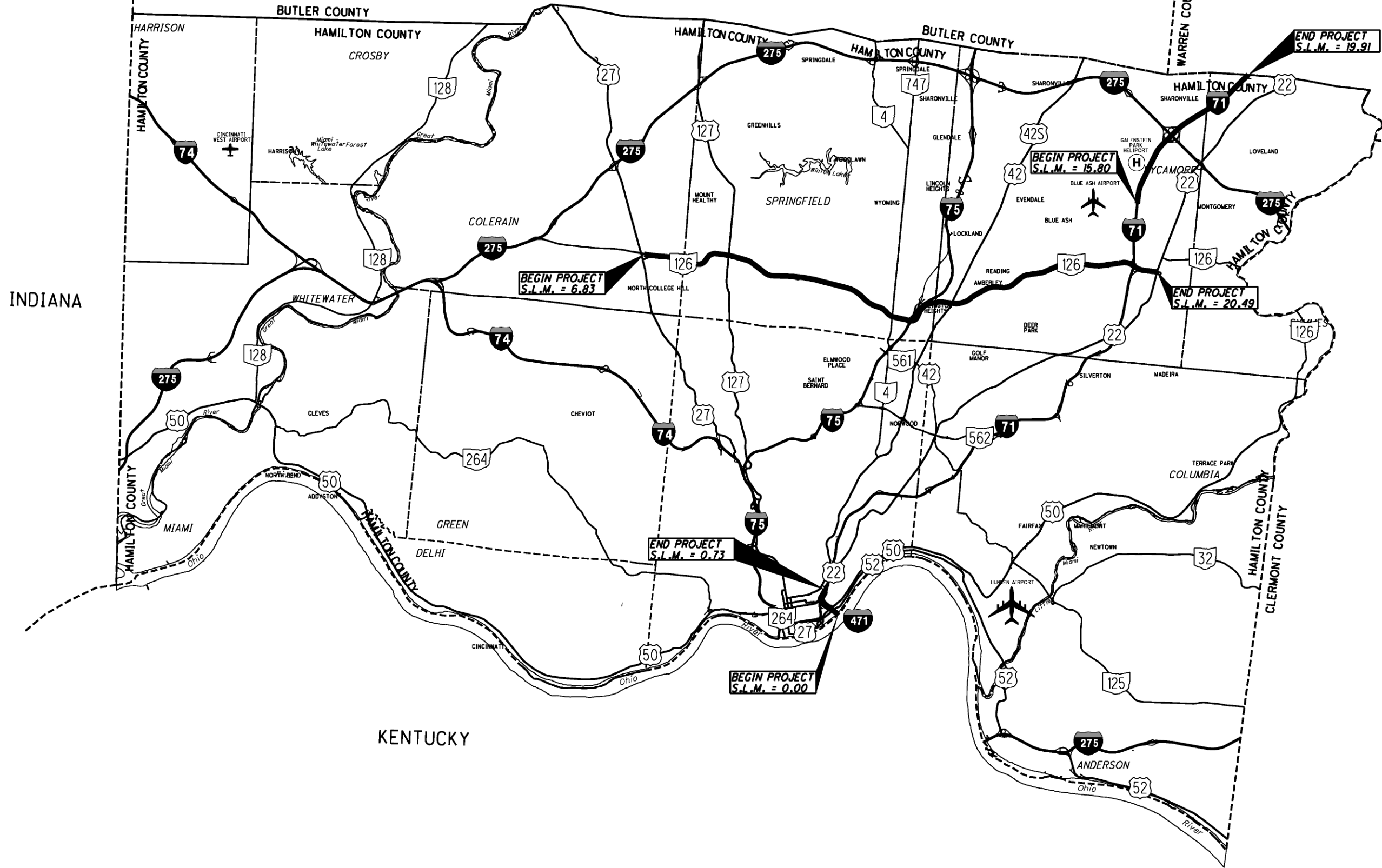


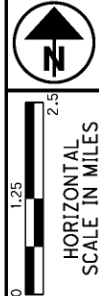
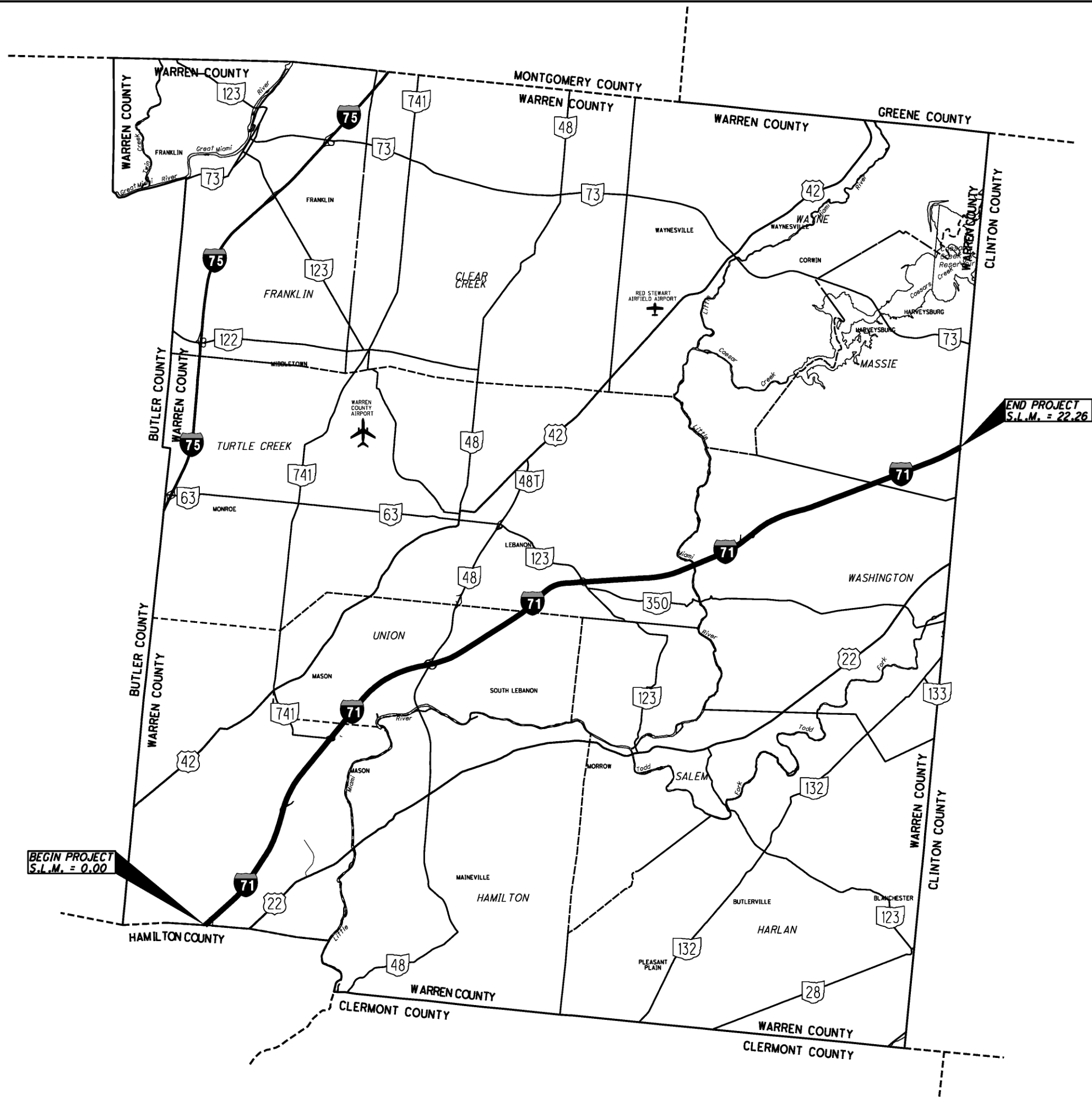


0 1.25 2.5
HORIZONTAL
SCALE IN MILES

LOCATION MAP - GREENE COUNTY

D08-SIGN-FY2015





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UTILITIES

LISTED BELOW ARE ALL UTILITIES KNOWN TO BE LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

BUTLER COUNTY:

BP PIPELINES (NORTH AMERICA), INC.
LAND & ROW DEPARTMENT
150 W. WARRENVILLE RD., BLDG. 605 3RD FLOOR
NAPERVILLE, IL 60563-9922
630-536-2519 (ALICE JOHNSON)

CINCINNATI BELL
221 E. 4TH ST., BLDG. 121-900
CINCINNATI, OH 45201
513-565-7043 (MARK CONNER)

DUKE ENERGY; GAS
139 E. 4TH ST., ROOM 460A
CINCINNATI, OH 45202
513-287-3102 (MEGAN PLASSMAN)

DUKE ENERGY; ELECTRIC
139 E. 4TH ST., ROOM 467A
CINCINNATI, OH 45202
513-287-3674 (AARON WRIGHT)

GREENE COUNTY:

WINDSTREAM COMMUNICATIONS, INC.
1925 ENTERPRISE PARKWAY
TWINSBURG, OHIO 44087
330-650-7663 (DOUG NELISSE)

GREENE COUNTY WATER AND SEWER
667 DAYTON-XENIA ROAD
XENIA, OH 45385
937-562-7462 (TIM GROW)

HAMILTON COUNTY:

CINCINNATI STORMWATER MANAGEMENT
225 W. GALBRAITH RD.
CINCINNATI, OH 45215

CINCINNATI BELL (SEE BUTLER COUNTY)

DUKE ENERGY; GAS (SEE BUTLER COUNTY UNLESS WITHIN CITY OF CINCINNATI LIMITS)
139 E. 4TH ST., ROOM 460A
CINCINNATI, OH 45202
513-287-2594 (LAURA MATE)

DUKE ENERGY; ELECTRIC (SEE BUTLER COUNTY)

MCI/VERIZON
120 RAVINE ST
AKRON, OH 44303
330-253-8267 (AL GUEST)

WARREN COUNTY:

DUKE ENERGY; GAS
139 E. 4TH ST., ROOM 460A
CINCINNATI, OH 45202
513-287-1098 (BILL ROTH)

DUKE ENERGY
139 E. 4TH ST., ROOM 467A
CINCINNATI, OH 45202
513-287-1748 (GINNY MEYER)

GENERAL ELECTRIC
8700 GOVERNOR'S HILL DRIVE
CINCINNATI, OHIO 45249
DIRECT: 513-583-3488 (RON NABER)

WESTERN WATER COMPANY
1775 S.R. 28
GOSHEN, OH 45122
513-899-3211 EXT. 22 (KURT MEEKER)

201 CLEARING AND GRUBBING, AS PER PLAN

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

CLEARING AND GRUBBING SHALL BE PERFORMED IN THE AREA OF NEW GROUND MOUNTED SIGNAGE ALONG THE WESTBOUND MAIN STREET APPROACH TO US-35 IN GREEN COUNTY AS DEPICTED ON SHEET \$TE2IN ADDITION, CLEARING AND GRUBBING SHOULD BE PERFORMED IN LOCATIONS AS DIRECTED BY THE ENGINEER. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN.

659 SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE PERFORMED IN THE AREA OF NEW GROUND MOUNTED SIGNAGE ALONG THE WESTBOUND MAIN STREET APPROACH TO US-35 IN GREEN COUNTY AS DEPICTED ON SHEET \$TE2IN ADDITION, SEEDING AND MULCHING SHOULD BE PERFORMED IN LOCATIONS AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 659 - SEEDING AND MULCHING	2,360 SQ YD
ITEM 659 - SEEDING AND MULCHING (CONTINGENCY)	120 SQ YD
TOTAL	2,480 SQ YD

ITEM 659 - COMMERCIAL FERTILIZER	0.34 TON
ITEM 659 - WATER	14 M GAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

690 SPECIAL - MISC: TREE TRIMMING

THIS ITEM IS PROVIDED AS A CONTINGENCY, AS DIRECTED BY THE ENGINEER, FOR THE CONTRACTOR TO REMOVE TREE LIMBS AND BRUSH, WHICH OBSTRUCT THE VISIBILITY OF PROPOSED SIGNS.

ALL CUT VEGETATION SHALL BE DISPOSED OF OFF OF THE RIGHT OF WAY.

PAYMENT WILL BE MADE PER LINEAL FOOT OF TREES AND BRUSH TRIMMED, AS MEASURED ALONG THE EDGE OF PAVEMENT, AND WILL INCLUDED THE REMOVAL OF ALL VEGETATION WITHIN THE MEASURED AREA NECESSARY TO PROVIDE FULL VISIBILITY OF THE SIGN FROM THE NEAR EDGE OF PAVEMENT, AND TO THE SATISFACTION OF THE ENGINEER. TREES SHALL BE TRIMMED SO THAT THE SIGN IS VISIBLE FROM A DISTANCE OF 1000 FEET, WHERE POSSIBLE. COORDINATE WITH THE ENGINEER FOR EXCEPTIONS.

LOCATIONS THAT REQUIRED TREE TRIMMING AT THE TIME OF SURVEY HAVE BEEN IDENTIFIED THROUGHOUT THE ESTIMATED QUANTITIES. IN ADDITION, A CONTINGENCY QUANTITY OF 1,000 FEET HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR TREE TRIMMING AS DIRECTED BY THE ENGINEER.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF PUBLIC USE AIRPORTS AND HELIPORTS (SEE TABLE BELOW). NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 50 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1, ADVISING THE FAA THAT AERONAUTICAL STUDY NO. 2007-AGL-750-NRA IS BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION IS REQUESTED.

COPIES OF THE ALTERATION AND FORM 7460-1 SHALL BE FORWARDED TO THE ODOT OFFICE OF AVIATION. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKE UP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
614-387-2346

LOCATIONS REQUIRING FAA NOTIFICATION:

	BUTLER COUNTY REGIONAL AIRPORT	GALENSTEIN PARK HELIPORT
LOCATION DESCRIPTION	SOUTHEAST OF THE CITY OF HAMILTON	WEST SIDE OF HAM-71, JUST SOUTH OF 275 INTERCHANGE
NOTIFICATION SLOPE	100:1	25:1
AIRPORT ELEVATION	609	830
PROJECT ELEVATION	822	829
PORT TO PROJECT DISTANCE	8,828	1,065
NEGATIVE CLEARANCE	-124.72	-6.40

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS (CONT.)

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF PUBLIC USE AIRPORTS AND HELIPORTS. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED THE CLEARANCE HEIGHTS AS LISTED IN THE TABLE BELOW FOR EACH LOCATION. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. A COPY OF THE SUBMISSION AND TWO COPIES OF FORM 7460-1 SHALL BE FORWARDED TO THE ODOT OFFICE OF AVIATION.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

LOCATIONS NOT REQUIRING FAA NOTIFICATION:

	BLUE ASH AIRPORT	GREENE COUNTY AIRPORT	PLASCO FIELD HELIPORT
LOCATION DESCRIPTION	NORTHWEST OF HAM-71 AND HAM-126	WEST OF THE CITY OF XENIA	SOUTHWEST OF GRE-35 INTERCHANGE WITH 675
NOTIFICATION SLOPE	100:1	100:1	25:1
AIRPORT ELEVATION	831	946	870
PROJECT ELEVATION	890	964	916
PORT TO PROJECT DISTANCE	12,028	18,287	3,700
CLEARANCE	11.28	114.87	52.00

UTILITY NOTIFICATION

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING, TRAFFIC SIGNALS, ITS) WITHIN THE LIMITS OF THIS PROJECT.

THE CONTRACTOR SHALL NOTIFY DISTRICT 8, TRAFFIC AT 513-933-6689, ITS AT 513-564-6118, AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.

UTILITIES FACILITIES ARE LOCATED AT VARIOUS LOCATIONS IN THE PROJECT LIMITS. THESE UTILITY FACILITIES ARE NOT AFFECTED BY THE PROPOSED WORK AND SHALL REMAIN IN PLACE AND IN SERVICE.

THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY -EIGHT (48) HOURS IN ADVANCE OF ANY WORK.

IF UTILITIES ARE IN CONFLICT THE SIGN LOCATION WILL BE ADJUSTED BY THE ENGINEER.

THE COST FOR THE ABOVE DESCRIBED WORK IS INCIDENTAL TO THE OVERALL BID PRICE OF THE PROJECT.

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GENERAL

THE PURPOSE OF THIS CONTRACT IS TO REPLACE ALL FLAT SHEET AND EXTRUSHEET SIGNS DETERMINED TO BE 5 YEARS OLD AND OLDER, OR SIGNS THAT ARE DAMAGED, OR SUPPORTS THAT ARE NO LONGER FUNCTIONAL ON VARIOUS ROUTES WITHIN VARIOUS VILLAGES AND CITIES IN DISTRICT EIGHT. ALL GROUND MOUNTED POSTS SHALL BE REPLACED AS PART OF THIS WORK.

THE WORK CONSISTS OF REPLACING DEFICIENT SIGNS AND POST SUPPORTS, ERECTING NEW SIGNS AND SUPPORTS, RE-ERECTING EXISTING SIGNS ON NEW POST SUPPORTS, AND REMOVING SIGNS AND POST SUPPORTS. THE WORK FOR EACH ROUTE WILL BE WITHIN THE LIMITS AS SHOWN ON THE PLANS. THE PLAN QUANTITIES ARE ESTIMATES BASED ON SURVEYS OF EACH ROUTE. ALTHOUGH WE BELIEVE THE SURVEYS TO BE ESSENTIALLY COMPLETE, WE CANNOT GUARANTEE THEIR ACCURACY DUE TO CONTINUALLY CHANGING CONDITIONS OF THE SIGNS.

THE CONTRACTOR SHALL, UNDER DIRECTION OF THE ENGINEER, REPLACE ALL DEFICIENT SIGNS AND SUPPORTS. IN NO CASE SHALL THE CONTRACTOR REMOVE ANY EXISTING SIGN UNTIL THE APPLICABLE REPLACEMENT SIGN HAS BEEN ERECTED OR CAN IMMEDIATELY THEREAFTER BE ERECTED. PAYMENT FOR ANY LAYOUT WORK OF SIGNS SHALL BE INCIDENTAL TO AND PAID FOR UNDER THE PERTINENT BID ITEMS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT EACH VILLAGE OR CITY TO NOTIFY THEM THAT THEY WILL BE WORKING WITHIN THE MUNICIPALITY AND TO COORDINATE WITH ODOT REGARDING THE NECESSARY PERMISSIONS.

ANY TIME RESTRICTIONS FOR LANE CLOSURES WILL BE BY APPROVAL OF THE LOCAL MUNICIPALITY AND THE PROJECT ENGINEER. ALL LANE CLOSURES SHALL CONFORM TO ODOT'S PERMITTED LANE CLOSURE SCHEDULE.

PAYMENT FOR NOTIFICATION AND ANY PERMITS REQUIRED SHALL BE INCIDENTAL TO AND PAID FOR UNDER ITEM 614 MAINTENANCE OF TRAFFIC.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE ONGOING IN AREAS IMMEDIATELY ADJACENT TO AND WITHIN THE PROJECT LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO AS TO CAUSE A MINIMUM OF DELAY OR CONFLICT WITH THE OTHER PROJECTS IN ACCORDANCE WITH 105.08. THE CONTRACTOR SHALL ARRANGE WITH THE OTHER CONTRACTORS A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL RECEIVE DAILY APPROVAL FROM THE ENGINEER PRIOR TO COMMENCING ANY OPERATIONS. ANY CONFLICT BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREA OR COOPERATION SHALL BE RESOLVED BY THE ENGINEER. COMPENSATION FOR THE ABOVE COOPERATION SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITHIN THIS PROJECT.

THE CONTRACTOR MUST COORDINATE AND UPDATE THE PLANS WITH REGARDS TO PREVIOUSLY COMPLETED AND ONGOING PROJECTS WITHIN THE PROJECT LIMITS. SIGNS IN THESE PLANS THAT HAVE BEEN REMOVED OR REPLACED BY OTHER PROJECTS WITHIN THE LAST FIVE (5) YEARS OF THIS PROJECT'S SALE DATE SHALL NOT BE REMOVED OR REPLACED WITH THIS PROJECT UNLESS THEY DO NOT MEET CURRENT ODOT DESIGN STANDARDS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF ANY NON-PERFORMED WORK ITEMS.

630 SIGNS

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THE FOLLOWING CONDITIONS SHALL APPLY:

WHERE PHYSICAL CONDITIONS PERMIT, SIGNS SHALL HAVE THE CORRECT LATERAL AND VERTICAL CLEARANCE WITH RESPECT TO THE EDGE OF PAVEMENT IN ACCORDANCE WITH THE MINIMUM DISTANCE SHOWN ON THE STANDARD DRAWING. WHERE PHYSICAL CONDITIONS PERMIT, SIGNS ERECTED OR RE-ERECTED ON NEW POST SUPPORTS SHALL BE LOCATED LONGITUDINALLY TO THE ROADWAY IN THE SAME POSITION AS THE EXISTING SIGNS. THE PLANS ARE APPROXIMATE TO SHOW THE ORDER OF SIGNS IN RELATIONSHIP TO EACH OTHER AND ARE NOT TO BE CONSIDERED EXACT LOCATIONS.

EXISTING SIGNS NOT SHOWN ON THE SUMMARY AS WORK LOCATIONS SHALL NOT BE DISTURBED. THE CONTRACTOR SHALL USE A VEHICLE DISTANCE MEASURING DEVICE TO DETERMINE SIGN LOCATIONS ON THE PLAN.

630 SIGN POST REFLECTOR, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 630 AND SCD TC-41.30, THE FOLLOWING ALSO APPLIES.

SINCE THE CONDITION OF EXISTING SIGN POST REFLECTORS IS UNKNOWN, NEW REFLECTORS HAVE BEEN PROPOSED WITH EVERY PROPOSED SIGN FOR WHICH A REFLECTOR IS REQUIRED. ALL EXISTING SIGN POST REFLECTORS ARE TO BE REMOVED AND RETURNED TO ODOT.

IF A SIGN IS REMOVED AND NOT RE-ERECTED OR IF A REFLECTOR IS IN GOOD CONDITION BUT IS NOT RE-ERECTED ON A NEW POST, THEN THE SIGN POST REFLECTOR SHALL BE REMOVED AND RETURNED TO ODOT.

THE FOLLOWING SIGNS SHOULD HAVE THE REFLECTIVE STRIP INSTALLED PER TEM 221.6:

RED STRIP - STOP (R1-1), YIELD (R1-2), DO NOT ENTER (R5-1), WRONG WAY (R5-1a)

YELLOW STRIP - ONE DIRECTION LARGE ARROW (W1-6), TWO DIRECTION LARGE ARROW (W1-7), CHEVRON ALIGNMENT (W1-8), STOP AHEAD (W3-1) SIGNS

THIS ITEM SHALL INCLUDE ALL NECESSARY LABOR, MATERIALS, AND EQUIPMENT TO FURNISH, INSTALL, AND/OR REMOVE AND RETURN THE SIGN POST REFLECTOR.

SIGN LEGEND

THE LEGENDS LISTED IN THE REMARKS COLUMN ARE FOR CONTEXT ONLY, NOT CASE. THE SIGN DESIGN MANUAL SHOULD BE FOLLOWED TO DETERMINE THE CORRECT UPPER OR LOWER CASE BASED ON THE SIGN CODE.

PROPERTY RESTORATION

THE CONTRACTOR SHALL RESTORE THE WORK AREA TO A CONDITION EQUAL TO THE EXISTING BEFORE THE WORK WAS STARTED. ALL REPLACEMENTS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT SPECIFICATION ITEMS AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR ALL RESTORATION WORK, INCLUDING MATERIALS, EQUIPMENT, LABOR, INCIDENTALS AND DISPOSAL OF ALL SURPLUS MATERIALS, SHALL BE INCIDENTAL TO AND PAID FOR UNDER THE PERTINENT BID ITEMS.

631 REMOVAL, MISC.: REMOVAL OF SIGN SERVICE AND DISPOSAL

THE SIGN SERVICE, BETWEEN THE DISCONNECT SWITCH AND MAIN LIGHTING CIRCUIT, SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AS FOLLOWS:

1. AT LOCATIONS WHERE THE EXISTING STRUCTURE IS TO REMAIN IN PLACE, THE DISCONNECT SWITCH SHALL REMAIN IN PLACE. ALL WIRING LEADING INTO AND OUT OF THE DISCONNECT SWITCH SHALL BE REMOVED AT THE TERMINALS. IN THE EVENT THAT THE TERMINAL SCREW IS FROZEN OR DAMAGED, THE WIRE MAY BE CUT OFF WITHIN 1/2 INCH OF THE TERMINAL. IF THE DISCONNECT SWITCH DOOR WILL NOT CLOSE, IT SHALL BE SCREWED OR BANDED SHUT, AS DIRECTED BY THE ENGINEER. WHERE THE DISCONNECT SWITCH IS LOCATED ON A BRIDGE, IT SHALL BE REMOVED ALONG WITH ANY MOUNTING BRACKETS, EXTERNAL CONDUIT RISERS AND GROUND WIRES. RISERS FROM UNDERGROUND CONDUIT AND GROUND WIRES SHALL BE CUT OFF A MINIMUM OF 6" BELOW GROUND LEVEL.

2. WHEN THE POWER CABLE BETWEEN THE DISCONNECT SWITCH AND MAIN CIRCUIT IS IN CONDUIT, THE CABLE SHALL BE PHYSICALLY PULLED FROM THE CONDUIT. SEAL THE ENDS OF THE CONDUIT AS SPECIFIED IN 625.12.

3. WHEN THE POWER CABLE BETWEEN THE DISCONNECT SWITCH AND MAIN CIRCUIT IS DIRECT BURIED, THE CABLE SHALL BE REMOVED A MINIMUM OF 12 INCHES FROM THE OUTER EDGE OF THE MAIN CIRCUIT PULL BOX OR SIGN FOUNDATION AND CUT OFF. THE ENDS OF THE CABLE REMAINING IN THE GROUND SHALL BE REBURIED TO A MINIMUM DEPTH OF 6 INCHES BELOW THE GROUND SURFACE. AT LOCATIONS WHERE THE EXISTING SIGN FOUNDATION WILL REMAIN IN SERVICE, BOTH ENDS OF THE CONDUIT ELL SHALL BE SEALED AS SPECIFIED IN 625.12.

4. PULL BOXES OTHER THAN CONCRETE (CORRUGATED, PLASTIC, FIBER, ETC.) LOCATED BETWEEN THE MAIN CIRCUIT AND THE SIGN FOUNDATION, INCLUDING PULL BOXES ADJACENT TO THE SIGN FOUNDATION, SHALL BE EITHER TOTALLY REMOVED, OR REMOVED TO A DEPTH OF 6 INCHES BELOW THE GROUND SURFACE AND BACKFILLED WITH SUITABLE SOIL OR GRANULAR MATERIAL. CONCRETE PULL BOXES SHALL BE ABANDONED IN PLACES.

5. AT THE MAIN CIRCUIT PULL BOX, REMOVE THE EXISTING CABLE CONNECTOR, AND SPLICE EACH MAIN CIRCUIT CABLE USING A TYPE VIIA SPLICE INSULATING KIT. THE EMPTY CONDUIT OR OPENING IN THE PULL BOX SHALL BE SEALED AS SPECIFIED IN 625.12.

6. THE LUMINAIRE TO BE REMOVED SHALL INCLUDE ALL ITEMS DESCRIBED IN 631.07 AND 631.10 AND SHALL INCLUDE ALL INTEGRAL AND REMOTE BALLASTS.

7. ALL SIGN WIRING AND ELECTRICAL HARDWARE SHALL BE REMOVED FROM ANY STRUCTURE THAT WILL REMAIN IN SERVICE, AND DISPOSED OF, UNLESS NOTED OTHERWISE ON THE PLANS. THIS INCLUDES THE REMOVAL OF ALL CONDUIT, HARDWARE, AND WIRE FROM BRIDGES ON WHICH STRUCTURE MOUNTED SIGNS ARE TO BE REMOVED OR REPLACED. WHERE EXPANSION SHIELDS HAVE BEEN USED FOR CONDUIT AND HARDWARE ATTACHMENT, THE BOLTS OR SCREWS SHALL BE REINSERTED INTO THE EXPANSION SHIELDS AND TURNED UNTIL SNUG. PAYMENT WILL BE MADE PER STRUCTURE, REGARDLESS OF THE NUMBER OF EXISTING SIGNS OR LUMINARIES.

PAYMENT SHALL BE MADE FOR EACH SIGN SERVICE REMOVED INCLUDING PULL BOXES, GROUND RESTORATION AND MAIN CIRCUIT CONNECTOR REMOVAL AND SPLICE. ALL EXISTING HIGHWAY LIGHTING CIRCUITS SHALL BE RECONNECTED AND OPERATIONAL EACH NIGHT.

CONTINGENCY QUANTITIES

THE FOLLOWING CONTINGENCY QUANTITIES ARE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER FOR ANY SIGNS THAT ARE NOT INCLUDED IN THE CONTRACT:

ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST	1,430 FEET
ITEM 630 - SIGN POST REFLECTOR	23 EACH
ITEM 630 - SIGN, FLAT SHEET	930.0 SF

STORAGE OF MATERIALS AND PROTECTION OF RIGHT-OF-WAY LANDSCAPING

NO EQUIPMENT OR MATERIALS SHALL BE STORED WITHIN THE RIGHT OF WAY OF I-71, I-75, I-275, I-471, I-675, US-35, SR-126, OR SR-129 WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

NO EQUIPMENT OR MATERIALS SHALL BE STORED WITHIN THE RIGHT OF WAY OF ANY CROSS STREET, WITHOUT THE WRITTEN PERMISSION OF THE MAINTAINING AGENCY AND THE ENGINEER. THE USE OF ANY AREAS WITHIN ANY PUBLIC RIGHT OF WAY FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND THE MAINTAINING AGENCY IF OTHER THAN ODOT. THE REQUEST MUST BE APPROVED IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

PRIOR TO THE BEGINNING OF WORK, THE CONTRACTOR SUPERINTENDENT OR HIS REPRESENTATIVE, THE PROJECT ENGINEER AND A REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH INSIDE AND OUTSIDE THE CONSTRUCTION LIMITS.)

A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE. ANY ITEMS DAMAGED FROM THE CONSTRUCTION WILL BE REPLACED IN KIND, OR AS APPROVED BY THE PROJECT ENGINEER.

THE CONTRACTOR IS NOT RESPONSIBLE FOR THE REPLACEMENT OF LANDSCAPING ITEMS THAT WERE DIRECTED TO BE REMOVED BY THE ENGINEER FOR SAFETY OR SIGHT DISTANCE REASONS.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (513) 933-9472 OR EMAIL AT d08.pio.form@dot.state.oh.us, DISTRICT PERMIT SECTION BY FAX AT (513) 933-9472 OR EMAIL AT christopher.bass@dot.state.oh.us, CENTRAL OFFICE . SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT hauling.permits@dot.state.oh.us.

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

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630 OVERHEAD SIGN SUPPORT MODIFICATION, AS PER PLAN

OVERHEAD SIGN SUPPORTS SHALL BE MODIFIED AS SHOWN IN THE PLANS. THE MODIFICATION SHALL CONSIST OF:

1. THE INSERTION OF A NEW BOX TRUSS SPAN OF 60 FEET, ON AN EXISTING TC-7.65, DESIGN NO. 6 SUPPORT (HAM-I26-S52).

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE FOR THE MODIFICATION OF THE OVERHEAD SIGN SUPPORT, INCLUDING ALL NECESSARY MATERIAL, PARTS, EQUIPMENT AND LABOR, USING THE DESIGNATION: 630 EACH - OVERHEAD SIGN SUPPORT MODIFICATION, AS PER PLAN.

REFERENCE LOCATION SIGNS

THE LOCATION OF REFERENCE LOCATION SIGNS ON THE PLANS ARE APPROXIMATE AND A MORE PRECISE LOCATION WILL BE PROVIDED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 30 DAYS IN ADVANCE OF THE PLANNED DATE OF REFERENCE LOCATION SIGN INSTALLATION. THE ENGINEER WILL CONTACT THE OFFICE OF TECHNICAL SERVICES WHICH WILL LOCATE THE LONGITUDINAL POSITION OF REFERENCE LOCATION SIGNS BY MEANS OF A PAINT MARK ON THE PAVEMENT EDGE. ALTERNATE MARKS WILL NOT BE PROVIDED ON DIVIDED HIGHWAYS AND THE CONTRACTOR SHALL SET REFERENCE LOCATION SIGNS FOR THE OPPOSITE ROADWAY ACROSS FROM THE PROVIDED MARK. DELINEATORS WHOSE NORMAL POSITION FALLS WITHIN 50 FEET OF A REFERENCE LOCATION SIGN SHALL BE OMITTED.

SPEEDINFO SENSORS

ANY EXISTING SPEEDINFO SENSOR EQUIPMENT ATTACHED TO EXISTING SIGN SUPPORTS ARE MAINTAINED BY:

CAPITAL ELECTRIC LINE BUILDERS
3150 ENCRETE LANE
MORAIN, OH 45439-1902

ATTN: MATT SLUSHER

EMAIL: mslusher@capitalelectric.com
WORK: +1 (937) 531-7518
MOBILE: +1 (513) 617-6488

THEREFORE, IF THERE ARE ANY SPEEDINFO SENSORS ENCOUNTERED BY THE CONTRACTOR THAT NEED TO BE REMOVED AND RELOCATED TO COMPLETE HIS WORK, THEN THE CONTRACTOR SHALL NOTIFY CAPITAL ELECTRIC LINE BUILDERS 1 WEEK PRIOR TO NEEDING THIS EQUIPMENT REMOVED AND RELOCATED OFF THE EXISTING SUPPORTS.

COORDINATION OF THE REMOVAL, REERECTION, AND POSSIBLE RELOCATION OF THE SPEEDINFO SENSORS, SHALL BE MANAGED BY THE PROJECT ENGINEER.

614 MAINTAINING TRAFFIC, AS PER PLAN

DETAILED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER, INCLUDING WRITTEN DESCRIPTIONS OF THE METHOD FOR MAINTENANCE OF TRAFFIC, A MINIMUM OF 14 CALENDAR DAYS PRIOR TO THE START OF WORK FOR REVIEW. THE TRAFFIC CONTROL PLANS SHALL ADHERE TO THE PROVISIONS IN THE OMTCD AND THE STANDARD CONSTRUCTION DRAWINGS FOR LANE CLOSURES AND SHOULDER WORK. THE INTENT OF THE PROVISIONS BELOW SHALL BE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THERE FROM.

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 MAINTAINING TRAFFIC, THE FOLLOWING SHALL APPLY:

THE CONTRACTOR SHALL REFER TO <http://plcm.dot.state.oh.us/> FOR PERMITTED LANE CLOSURES. NO LANE CLOSURE NOT PERMITTED ON THE WEBSITE SHALL BE INSTALLED UNLESS APPROVED BY THE ENGINEER. WHEN IT IS NECESSARY TO CLOSE ONE LANE OF TRAFFIC ADJACENT TO THE WORK, THE CLOSURE SHALL BE ACCOMPLISHED BY THE APPLICATION OF TRAFFIC CONTROL DEVICES AS SHOWN ON ODOT STANDARD CONSTRUCTION DRAWINGS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, AS DETERMINED BY THE ENGINEER. FOR WORK WHICH IS CONFINED TO THE SHOULDER, TRAFFIC CONTROL SHALL CONFORM TO FIGURES 6H-3, 6H-4, 6H-5, AND 6H-6 OF THE OMTCD.

DURING ALL PHASES OF THIS PROJECT, WORK SHALL BE CONDUCTED IN A MANNER THAT WILL ASSURE MINIMUM DANGER AND INCONVENIENCE TO THE TRAVELING PUBLIC. SERVICE TRUCKS AND RELATED CONSTRUCTION VEHICLES SHALL BE EQUIPPED WITH A 360 DEGREE ROTATING OR FLASHING AMBER BEACON, CLEARLY VISIBLE A MINIMUM OF 1/4 MILE.

FOR SAFETY PURPOSES, NO EQUIPMENT, VEHICLES OR MATERIALS SHALL BE PARKED OR STORED WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT UNLESS PROTECTED BY GUARDRAIL.

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMTCD AND THE FAILURE RESULTS IN A CONDITION AT THE SITE THAT IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ON TWO LANE ROADS, A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED.

TWO WAY TRAFFIC SHALL BE MAINTAINED, WHERE POSSIBLE, THROUGHOUT THE LENGTH OF THE PROJECT CONSISTENT WITH THE REQUIREMENTS OF ITEM 614 AND IN CONFORMANCE WITH THE TRAFFIC CONTROL AS SHOWN IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

614 MAINTAINING TRAFFIC, AS PER PLAN (CONTINUED)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS FOURTH OF JULY
NEW YEARS LABOR DAY
MEMORIAL DAY THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12 NOON FRIDAY THRU 6 AM MONDAY
MONDAY	12 NOON FRIDAY THRU 6 AM TUESDAY
TUESDAY	12 NOON MONDAY THRU 6 AM WEDNESDAY
WEDNESDAY	12 NOON TUESDAY THRU 6 AM THURSDAY
THURSDAY	12 NOON WEDNESDAY THRU 6 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	12 NOON WEDNESDAY THRU 6 AM MONDAY
FRIDAY	12 NOON THURSDAY THRU 6 AM MONDAY
SATURDAY	12 NOON FRIDAY THRU 6 AM MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$75 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

SHORT-TERM FULL CLOSURES OF PROJECT ROADWAYS ARE ANTICIPATED IN THIS PROJECT FOR THE REMOVAL AND/OR INSTALLATION OF OVERHEAD SIGNS AND SIGN SUPPORTS. THE CONTRACTOR SHALL COORDINATE ALL CLOSURES WITH THE ENGINEER AND THE AFFECTED LOCAL GOVERNMENT AGENCY(S). THE CONTRACTOR SHALL NOTIFY THE PUBLIC OF THE PENDING CLOSURES THROUGH THE USE OF PORTABLE CHANGEABLE MESSAGE SIGNS) AND/OR OTHER MEANS DEEMED ACCEPTABLE BY THE ENGINEER. THE CONTRACTOR SHALL USE THE PLAN INSERT SHEET 209960, SHEET 132 TO IMPLEMENT THE NECESSARY SHORT-TERM CLOSURES.

ALTHOUGH THEY HAVE NOT BEEN SPECIFIED IN THE PLANS, IF THE CONTRACTOR DETERMINES THAT LEOs OR PCMS ARE REQUIRED FOR THE PURPOSE OF LANE CLOSURES OR OTHER WORK, QUANTITIES OF THESE TWO ITEMS ARE INCLUDED TO ESTABLISH UNIT COSTS. PAYMENT FOR THE MAINTENANCE OF TRAFFIC ITEMS, UNLESS SPECIFIED SEPARATELY, SHALL BE AT THE LUMP PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT AND INCIDENTALS TO COMPLETE THE WORK AS DETAILED IN THE PLANS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN UNLESS SEPARATELY ITEMIZED IN THE PLAN.

630 SIGNING, MISC.: MAINTENANCE OF SIGN SUPPORT

SIGN SUPPORTS REQUIRING MAINTENANCE HAVE BEEN IDENTIFIED WITHIN THE LIMITS OF THE PROJECT. WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION AND/OR REPLACEMENT OF MISSING HEX BOLTS, U-BOLTS, STANDARD NUTS, PLAIN FLAT WASHERS, LOCK WASHERS, HINGE PLATES, FUSE PLATES, AND RETAINER PLATES.

SUPPLEMENTAL INFORMATION REGARDING USE OF THIS ITEM IS ANNOTATED IN THE REMARKS COLUMN OF THE ESTIMATED QUANTITIES SHEETS.

PAYMENT SHALL BE MADE AT THE CONTRACT PRICE BID PER EACH SUPPORT LOCATION OF ITEM 630 - SIGNING, MISC.: MAINTENANCE OF SIGN SUPPORT MAINTAINED AND ACCEPTED AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

SIGNS NOT TO BE DISTURBED

ALL LOGO SIGNS, AND TODS SIGNS SHALL NOT BE DISTURBED. IF THESE SIGNS ARE IN THE LOCATION OF A PROPOSED SIGN, THEN THE ENGINEER WILL DETERMINE THE LOCATION OF THE NEW SIGN.

EXIT NUMBER PANELS

EXIT NUMBER PANELS ON OVERHEAD SIGNS OR GROUND-MOUNTED SIGNS SHALL BE PLACED TO THE TOP RIGHT OR LEFT OF THE MAJOR SIGN. LOCATION OF THE EXIT NUMBER PANEL IS BASED ON THE RELATION TO THE THROUGH TRAFFIC MOVEMENT (RIGHT SIDE FOR RIGHT-HAND EXITS, LEFT SIDE FOR LEFT-HAND EXITS).

DESTINATION SIGNS

DESTINATION SIGNS SHALL BE INSTALLED IN THE ORDER SHOWN BELOW BASED ON THE ARROW, NOT THE MILEAGE. THE LEGENDS SHOWN IN THE REMARKS COLUMN ARE NOT NECESSARILY IN THE PROPER ORDER. IF TWO DESTINATION SIGNS HAVE THE SAME DIRECTION, THEN THE DESTINATION SIGN WITH THE LOWER MILEAGE SHALL BE PLACED ABOVE THE DESTINATION SIGN WITH THE HIGHER MILEAGE.

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SIGN DESIGN FILES (SIGNCAD)

SIGN DESIGN FILES (SIGNCAD FILES) FOR DESIGNABLE GUIDE SIGNS SHALL BE PROVIDED AT THE PROJECT PRE-CONSTRUCTION MEETING. THE SIGN DESIGN FILES SUPPLEMENT THE SIGN INFORMATION IN THE PLAN SET. REFER TO THE ESTIMATED QUANTITY SHEETS AND PLAN DETAILS FOR SIZE AND TYPE OF ALL SIGN PANELS.

DIRECT ALL QUESTIONS OR COMMENTS TO ODOT DISTRICT 8 TRAFFIC AT (513) 933-6689.

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614 LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOs) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOs SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
- DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

- FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOs SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.
- WHEN CONSTRUCTION VEHICLES ARE ENTERING/EXITING THE ZONE DIRECTLY FROM/INTO AN OPEN LANE OF TRAFFIC. IF A LANE HAS BEEN CLOSED TO PROVIDE AN ACCELERATION/DECELERATION LANE FOR THE VEHICLE, THE LEO WILL NOT BE REQUIRED.

LEOs SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOs WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOs WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOs. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOs' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR

614 LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOs (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE - 100 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

614 PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE (OFFICE OF MATERIALS MANAGEMENT WEB PAGE). THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 650 FEET AND 475 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. PCMS TRAILERS SHALL BE DELINEATED ON A PERMANENT BASIS BY AFFIXING CONSPICUITY TAPE CONFORMING TO CMS 614.03, IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER AS SEEN BY ONCOMING ROAD USERS.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED, FACING AWAY FROM ALL TRAFFIC, AND SHALL DISPLAY ONE OR MORE TYPE G YELLOW RETROREFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

614 PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (CONTINUED)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE. THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF CMS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN - 2 SIGN MONTH

630 SIGN ERECTED, EXTRUSHEET, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 630 AND 730, THIS ITEM SHALL INSTALL ODOT-FURNISHED OVERHEAD EXTRUSHEET SIGNS ON EXISTING OVERHEAD SIGN SUPPORTS. THE SIZE, TYPE AND LOCATIONS OF THE SIGNS ARE NOTED IN THE PLAN SET.

THIS ITEM SHALL INCLUDE LOADING SIGNS ONTO CONTRACTOR'S VEHICLES AND TRANSPORTATION COSTS TO THE PROJECT SITE.

THE CONTRACTOR SHALL COORDINATE WITH ODOT DISTRICT 8 TRAFFIC AT (513) 933-6689 FOR THE PICKUP OF THE ODOT-FURNISHED SIGN PANELS.

**SIGN IDENTIFICATION LEGEND
(FOR ESTIMATED QUANTITY SHEETS)**

ROUTE/SIGN ID COLUMN	DESCRIPTION
-S**	SIGN LOCATED ALONG MAINLINE
-XS**	SIGN LOCATED ALONG CROSS/SIDE STREET
-S**(L/C/R)	LEFT, CENTER OR RIGHT MAINLINE SIGN ON OH SUPPORT
-XS**(A/B)	BACK TO BACK CROSS STREET SIGN ON SAME OH SUPPORT
-G***	GROUND MOUNTED SIGN

REMARKS COLUMN	DESCRIPTION
L	LEFT (WORD, DIRECTION OR ARROW)
R	RIGHT (WORD, DIRECTION OR ARROW)
EO	EXIT ONLY
DND	DO NOT DISTURB
M	MILE
T	THRU ARROW
UP-L	LEFT ARROW WITH VERTICAL LEG
UP-R	RIGHT ARROW WITH VERTICAL LEG
DOWN	DOWN ARROW

FOR ILLUSTRATION OF THE SIGN LAYOUTS, REFER TO THE SIGNCAD FILES

CALCULATED
MSW
CHECKED
HJF

GENERAL NOTES

D08 - SIGN - FY 2015

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ESTIMATED QUANTITIES SHEET NO.	625			630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630
	GROUND ROD			OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 5	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 7	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 8	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 9	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 10	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 12	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8	OVERHEAD SIGN SUPPORT, TYPE TC-15.115	OVERHEAD SIGN SUPPORT MODIFICATION, AS PER PLAN	SIGN ATTACHMENT AS						

OVERHEAD SIGNING SUBSUMMARY		D08-SIGN-FY2015
CALCULATED	CHECKED	
MSW	HJF	
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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		625	630	630	630	630	630	630	630	630	630	631	REMARKS
							W	H	EACH	EACH	EACH	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	
BUT-129-S6L	24.305	39.374212930	-84.386719561	OVER	EAST	ADV	180	144					3		180.00					I-75 NORTH / DAYTON / 1 MILE
						EI-H5P	108	30							22.50					EXIT 25B
BUT-129-S6C				OVER	EAST	ADV	192	168					3		224.00					I-75 S / CINCINNATI / LIBERTY WAY / 1 M
						EI-H5P	108	30							22.50					EXIT 25A
BUT-129-S6R	24.305	39.374002596	-84.386731673	OVER	EAST	EX	180	84					3		105.00					CIN-DAY RD / EXIT ONLY R
						D9-H2a	96	30							20.00					H CHILDRENS
						EI-H5P	84	30							17.50					EXIT 24
BUT-129-S6	24.305	39.374212930	-84.386719561	OVER	EAST												7			
BUT-129-S8L	24.981	39.373795781	-84.374056740	OVER	EAST	ADV	168	120												NO WORK, NEW WITH PID#75971
						EI-H5P	102	30												
BUT-129-S8C				OVER	EAST	ADV	168	120												NO WORK, NEW WITH PID#75971
						EI-H5P	108	30												
BUT-129-S8R	24.98	39.373593652	-84.374081265	OVER	EAST	ADV	168	108												NO WORK, NEW WITH PID#75971
						EI-H5P	108	30												
BUT-129-S9L	25.14	39.373687331	-84.371093972	OVER	EAST	ADV	192	120												NO WORK, NEW WITH PID#75971
						EI-H5P	102	30												
BUT-129-S9C				OVER	EAST	ADV	168	120												NO WORK, NEW WITH PID#75971
						EI-H5P	108	30												
BUT-129-S9R	25.138	39.373474191	-84.371148215	OVER	EAST	ADV	168	108												NO WORK, NEW WITH PID#75971
						EI-H5P	108	30												
BUT-129-S10L	25.247	39.373408882	-84.369065521	OVER	EAST	ADV	168	120												NO WORK, NEW WITH PID#75971
BUT-129-S10R	25.244	39.373260626	-84.369129440	OVER	EAST	EX	180	96												NO WORK, NEW WITH PID#75971
BUT-129-S15L	6.924	39.376320313	-84.365384864	OVER	WEST	ADV	108	84												NO WORK, NEW WITH PID#75971
BUT-129-S15R	6.924	39.376323987	-84.365546110	OVER	WEST	EX	180	120												NO WORK, NEW WITH PID#75971
						D9-H2a	96	30												NO WORK, NEW WITH PID#75971
BUT-129-XS12L	6.517	39.370104600	-84.364677166	OVER	WEST	EX	108	84									1			INSTALL LOCK WASHERS, NEW WITH PID#75971
BUT-129-XS12R	6.515	39.370047332	-84.364508139	OVER	WEST	EX	144	96									1			INSTALL LOCK WASHERS, NEW WITH PID#75971
BUT-129-XS13L	6.279	39.366729113	-84.366075666	OVER	WEST															NO WORK, NEW WITH PID#75971
BUT-129-XS13R	6.281	39.366727952	-84.365866222	OVER	WEST												1			INSTALL LOCK WASHERS, NEW WITH PID#75971
BUT-129-XS14L	6.075	39.363916273	-84.367292797	OVER	NORTH												1			INSTALL LOCK WASHERS, NEW WITH PID#75971
BUT-129-XS14R	6.075	39.363824312	-84.366905789	OVER	NORTH												1			INSTALL LOCK WASHERS, NEW WITH PID#75971
TOTALS CARRIED TO SUBSUMMARY													9		591.50			7	5	

18 132	D08-SIGN-FY2015	ESTIMATED QUANTITIES - TRUSS SUPPORTS	CALCULATED	
			MSW CHECKED	HJF

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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		625		630	630	630	630	630	630	630	630	630	630		631	REMARKS	CALCULATED MSW CHECKED HJF
							W	H	EACH		EACH	EACH	EACH	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH		
HAM-126-S3																								

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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		
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31 132	D08-SIGN-FY2015	ESTIMATED QUANTITIES - TRUSS SUPPORTS	CALCULATED
			MSW CHECKED

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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		630</	
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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		630		630	
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CALCULATED	MSW	CHECKED	HJF	ESTIMATED QUANTITIES - GROUND MOUNTED	D08-SIGN-FY2015
					54 132

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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE	SIDE	DIRECTION OF TRAVEL	CODE	SIZE (INCHES)		630	630	630	630	630	SPECIAL	630	630	630	SPECIAL	630	630	630	630	SPECIAL	REMARKS	CALCULATED MSW CHECKED HJF
									GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, 54X7.7	ONE														

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ROUTE / SIGN ID	LOG POINT	LATITUDE	LONGITUDE
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ROUTE / SIGN ID	LOG POINT	LATITUDE
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ROUTE / SIGN ID	LOG POINT
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