

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" OR LABELED CONTINGENCY UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT (AS SHOWN ON THE TYPICAL SECTIONS).

BASE LINE OF CONSTRUCTION

THE BASE LINE OF CONSTRUCTION ON TYLERSVILLE ROAD FROM STA. 11+77.49 TO STA. 16+79.04 SHALL BE LAID OUT PER THE SCHEMATIC PLAN ALL OTHER CONSTRUCTION BASE LINES LABELED ON THESE PLANS ARE AN ASSUMED CENTER LINE OF THE EXISTING ROADWAY. STATIONING IS ADDED TO AID IN CONSTRUCTION LAYOUT.

SURVEY PARAMETERS

USE THE FOLLOWING VERTICAL POSITIONING AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(CORS96)

ELLIPSOID: GRS80

MAP PROJECTION: LAMBERT CONFORMAL CONIC

COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE

COMBINED SCALE FACTOR: 1.000036015

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

UTILITIES

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

DUKE ENERGY - ELECTRIC
2010 DANA AVENUE
CINCINNATI, OHIO 45207
AARON WRIGHT
(513) 458-3856

BUTLER CO. ENGINEER'S OFFICE
1921 FAIRGROVE AVENUE
HAMILTON, OHIO 45011
(513) 867-5744

CINCINNATI BELL TELEPHONE
221 EAST 4TH STREET
BLDG. 121-900
CINCINNATI, OHIO 45201
ROADPROJECTS@CINBELL.COM

WARREN CO. ENGINEER'S OFFICE
210 WEST MAIN STREET
LEBANON, OHIO 45036
NEIL TUNISON
(513) 695-3301

DUKE ENERGY - GAS
139 EAST 4TH STREET
ROOM 460A
CINCINNATI, OHIO 45202
OH/KYHOUSEBILL@
DUKE-ENERGY.COM

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

THE UNDERGROUND UTILITIES HAVE BEEN LOCATED BY FILED CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THERE IS NO GUARANTEE TO THEIR ACCURACY OR COMPLETENESS.

ITEM 621, RAISED PAVEMENT MARKER REMOVED

THIS WORK SHALL CONSIST OF REMOVING RAISED PAVEMENT MARKERS PER ODOT CMS 621. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

ITEM 621, RAISED PAVEMENT MARKER REMOVED 65 EA

ITEM 621, RPM

CONTRACTOR SHALL INSTALL RPMs PER SCD TC-65.10 AND TC-65.11

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

CLEARING AND GRUBBING

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. 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.

TYPE MGS GUARDRAIL

TO AVOID UTILITY OR OTHER UNDERGROUND CONFLICTS THE CONTRACTOR MAY LEAVE OUT ONE GUARDRAIL POST AT A SPECIFIC LOCATION WITHIN A STANDARD RUN OF MGS GUARDRAIL. FIFTY FEET OF GUARDRAIL (WHICH MAY INCLUDE THE ANCHOR) SHOULD BE AVAILABLE BOTH UPSTREAM AND DOWNSTREAM OF THE OMITTED POST TO MAINTAIN TENSION AND STRENGTH IN THE SYSTEM.

CALCULATED
SEC
CHECKED
YSY

GENERAL NOTES

BUT - IR75 - 5.35

ITEM 614. MAINTAINING TRAFFIC

MAINTAIN ALL EXISTING LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES, EXCEPT ACCORDING TO THE PERMITTED LANE CLOSURE TIMES NOTE OR AS SHOWN IN THE PLANS, BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT.

NO WORK SHALL BE PERFORMED DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
US JR TRIATHLON - (JULY 31, AUG 1 & 2)	
VOA METRO PARKS SOCCER TOURNAMENT	

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	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY*	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

*THANKSGIVING ONLY
SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE PERMITTED LANE CLOSURE TIMES & UNAUTHORIZED LANE USE TABLE FOR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATION'S OF LESS THAN 1 WEEK.J

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

ITEM 614. MAINTAINING TRAFFIC (CONTINUED)

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

TYLERSVILLE ROAD, EAST OF THE SOUTHBOUND RAMPS

TYLERSVILLE ROAD, WEST OF THE NORTHBOUND RAMPS

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 5 M. GAL

MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS

THE NATURE OF THE WORK TO BE CONDUCTED REQUIRES TEMPORARY PAVEMENT MARKINGS TO BE PLACED AFTER PAVEMENT PLANING AND ASPHALT COURSES ARE PLACED. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

614, WORK ZONE LANE LINE, CLASS III, 642 PAINT	0.308 MILES
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT	0.102 MILES
614, WORK ZONE EDGE LINE, CLASS III, 642 PAINT	0.205 MILES
614, WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT	948 FEET
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT	94 FEET

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATIONS
RAMP & ROAD CLOSURES	>= 2 WEEKS > 12 HOURS & < 2 WEEKS < 12 HOURS	21 CALENDAR DAYS PRIOR TO CLOSURE 14 CALENDAR DAYS PRIOR TO CLOSURE 4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE 2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

DISTRICT PUBLIC INFORMATION OFFICER BY EMAIL AT DOT.D08.PIO@DOT.OHIO.GOV
DISTRICT PERMIT SECTION BY EMAIL AT D08.PERMITS@DOT.OHIO.GOV
CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV
DISTRICT TRAFFIC, DETOUR SECTION BY EMAIL AT DOT.D08.DETOURS@DOT.OHIO.GOV
BUTLER COUNTY BY PHONE AT (513) 867-5744

TEMPORARY PAVEMENT WEDGE

TEMPORARY PAVEMENT WEDGES SHALL BE PROVIDED AT ALL TIMES WHERE TRAFFIC IS REQUIRED TO TRAVEL FROM OR ONTO A PAVEMENT SURFACE OF A DIFFERENT ELEVATION, AROUND MANHOLES, AT CATCH BASINS, ETC. THE MINIMUM SLOPE OF THE TEMPORARY PAVEMENT WEDGE SHALL BE 3:1 ALONG LONGITUDINAL JOINTS AND 120:1 AT TRANSVERSE JOINTS. THESE WEDGES SHALL BE REMOVED PRIOR TO PLACING THE SPECIFIED PAVEMENT COURSE. PAYMENT FOR ALL WORK, MATERIALS, ETC. ASSOCIATED WITH THIS ITEM SHALL BE PAID FOR UNDER ITEM 614 MAINTAINING TRAFFIC LUMP SUM.

EXISTING AND TEMPORARY PAVEMENT MARKINGS

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS FROM STA. 11+50 TO STA. 17+00. FOR ALL OTHER AREAS, THE CONTRACTOR SHALL USE WATER BLASTING OR USE AND MAINTAIN BLACK-OUT TAPE TO REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE MOT PLANS. THE CONTRACTOR SHALL USE AND MAINTAIN 740.06 WORK ZONE PAVEMENT MARKINGS, TYPE I PER ODOT CMS.

PERMITTED LANE CLOSURE TIMES

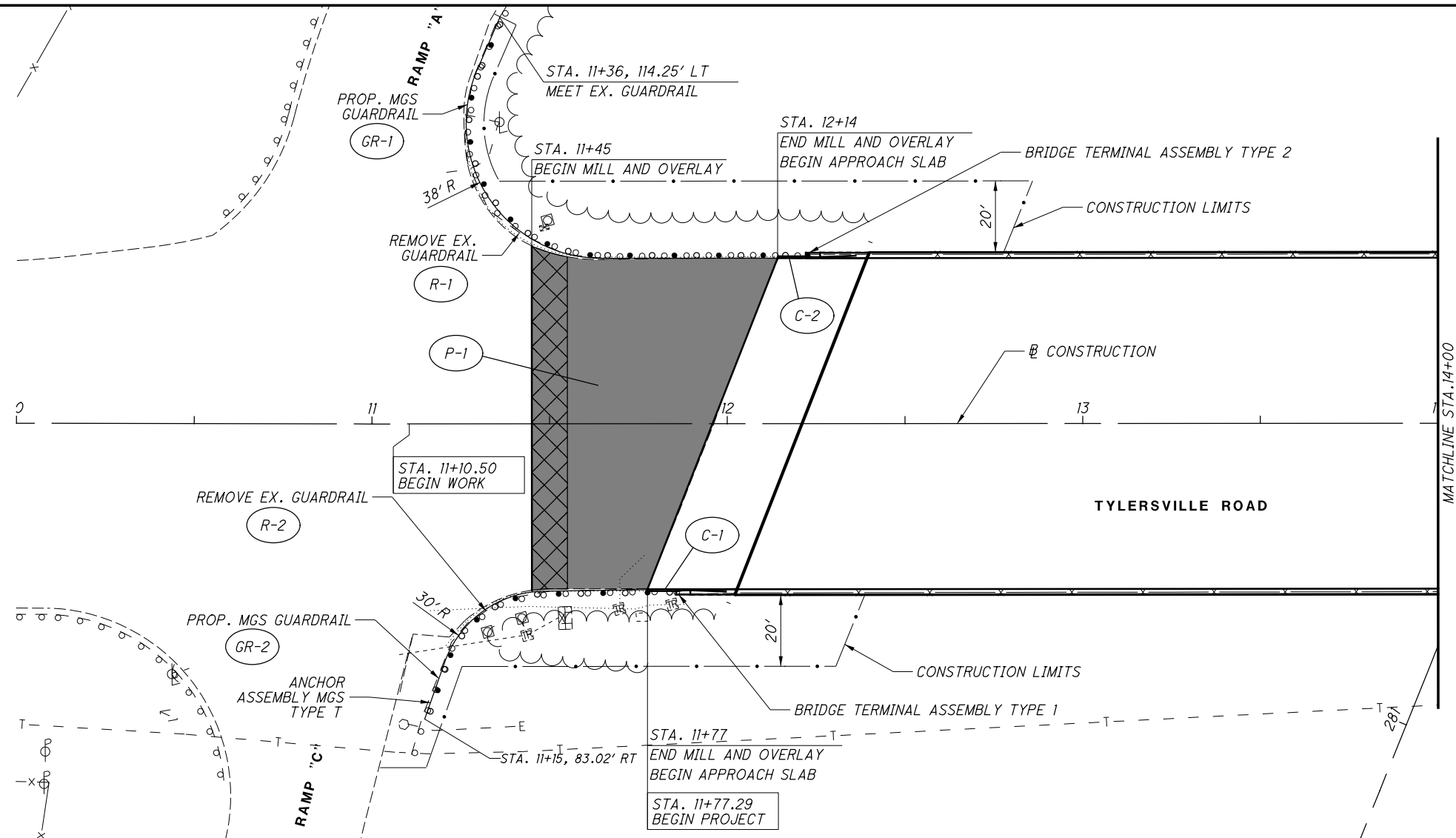
SHORT TERM LANE CLOSURES ARE THOSE WHICH ARE PERMITTED BY THE PERMITTED LANE CLOSURE NOTE. THESE TIMES SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL FROM THE DISTRICT 8 WORK ZONE TRAFFIC CONTROL MANAGER. SHORT TERM LANE CLOSURES SHALL ONLY BE IMPLEMENTED WHEN WORK IS BEING CONTINUOUSLY PERFORMED IN THE LANE. THE CLOSURE SHALL BE REMOVED AS SOON AS POSSIBLE AFTER WORK HAS STOPPED. PERMITTED LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE TIMES SPECIFIED IN THE PERMITTED LANE CLOSURE TIMES AND UNAUTHORIZED LANE USE TABLE INCLUDED IN THESE PLANS. NO LANE OR SHOULDER CLOSURE SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.

PERMITTED LANE CLOSURE TIMES & UNAUTHORIZED LANE USE

LOCATION	DIRECTION	EX. NO. OF THRU LANES	1 LANE CLOSED		2 LANES CLOSED		3 LANES CLOSED		15 MINUTE SHORT DURATION COMPLETE CLOSURES	COMPLETE CLOSURE	TIME UNIT	DISINCENTIVE PER LANE PER TIME UNIT
			WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND				
I-75*	BOTH	4	8 PM - 6 AM	9 PM - 9 AM	10 PM - 5 AM	11 PM TO 7 AM	12 AM - 5 AM	12 AM - 6 AM	12 AM - 4 AM	NONE	1 MINUTE	\$285
NB EXIT RAMP	NB	1	NONE	NONE	NONE	NONE			12 AM - 4 AM	NONE	1 MINUTE	\$285
		2 OR MORE	9 PM - 6 AM	9 PM - 6 AM	9 PM - 6 AM	9 PM - 6 AM						
SB EXIT RAMP	SB	1	NONE	NONE	NONE	NONE			12 AM - 4 AM	NONE	1 MINUTE	\$285
		2 OR MORE	9 PM - 6 AM	9 PM - 6 AM	9 PM - 6 AM	9 PM - 6 AM						
TYLERSVILLE ROAD	EB	2	9 PM - 6 AM	9 PM - 6 AM	NONE	NONE			12 AM - 4 AM	1 OCCURANCE FROM 8 PM SUNDAY TO 6 AM FRIDAY	1 MINUTE	\$90
	WB	VARIABLES			9 PM - 6 AM	9 PM - 6 AM						

1. ON TYLERSVILLE ROAD, A MINIMUM OF 1 THROUGH LANE AND 1 LEFT TURN LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

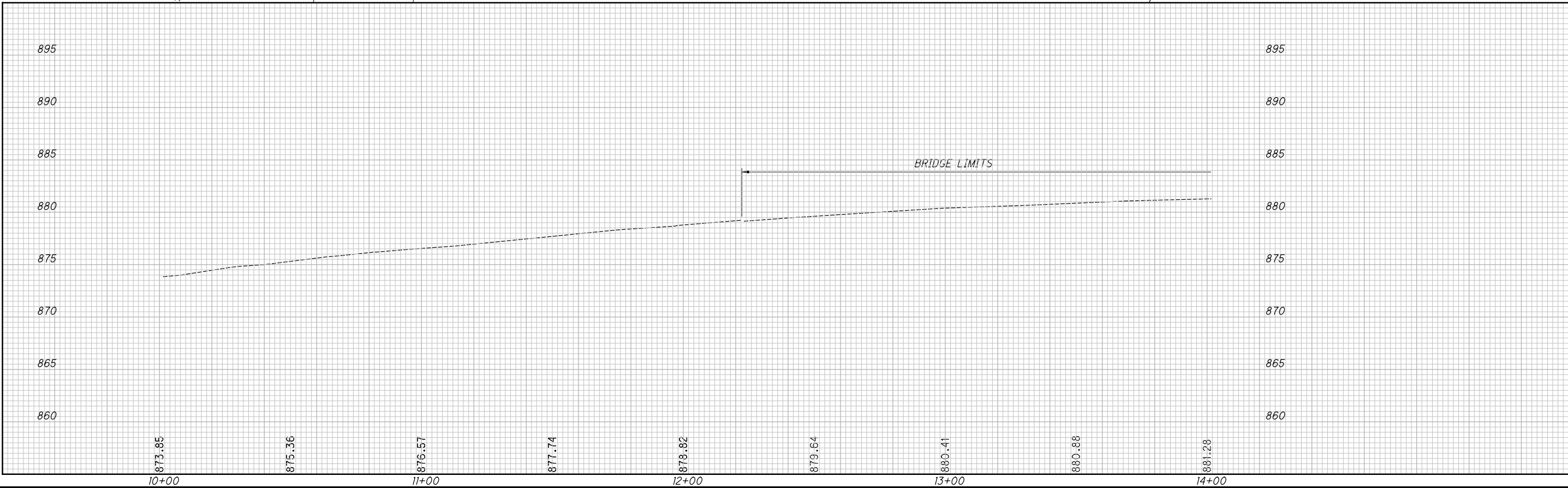
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10' BUTT JOINT PER SCD BP-3.1

CALCULATED
SEC
CHECKED
YSY

0 20 40
HORIZONTAL
SCALE IN FEET



PLAN AND PROFILE
STA. 10+00 TO STA. 14+00

BUT-IR75-5.35