

- A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:
- I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL
  - II. NUMBER AND TYPE OF VEHICLES INVOLVED, IF KNOWN
  - III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN
  - IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN
  - V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN
  - VI. THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS PLACARD FROM A SAFE DISTANCE, IF APPLICABLE AND VISIBLE
- B. FOLLOWING AN INCIDENT/CRASH:
- I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC CONTROL AS INDICATED IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
  - II. RECOMMEND ROADWAY REPAIR NEEDS.
  - III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
  - IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

ALL COSTS, UNLESS OTHERWISE SPECIFIED, RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC. FAILURE TO PERFORM THE REQUIREMENTS OF THIS PLAN NOTE WILL RESULT IN A DAILY FINE OF 2% OF ITEM 614, MAINTAINING TRAFFIC AND MAY RESULT IN ONE OR MORE CONTRACTOR TIM CONTACTS BEING REMOVED FROM THE LIST OF OHIO TIM TRAINED INDIVIDUALS (AT THE SOLE DISCRETION OF THE OHIO TIM EXECUTIVE COMMITTEE). IN THE EVENT AN INDIVIDUAL IS REMOVED FROM THE OHIO TIM TRAINED LIST, THE INDIVIDUAL WILL BE REMOVED FROM CONTRACTOR TIM CONTACT RESPONSIBILITIES ON ALL PROJECTS.

**ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM**

THIS WORK SHALL CONSIST OF FURNISHING, ERECTING, OPERATING, MAINTAINING AND REMOVING A WORK ZONE LIGHTING SYSTEM FOR A SINGLE CROSSOVER, OR OVERLAPPING A PAIR OF CROSSOVERS. THE SYSTEM SHALL BE AS SHOWN ON TRAFFIC SCD MT-100.00. THE CONTRACTOR SHALL ARRANGE FOR AND PAY FOR POWER. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE PORTIONS OF 625 AND 725 EXCEPT: THE PERFORMANCE TEST OF 625.19F, AND CERTIFIED DRAWING REQUIREMENT OF 625.04, ARE WAIVED AND USED MATERIALS IN GOOD CONDITION ARE ACCEPTABLE.

POLES WHICH ARE NOT PROTECTED BY GUARDRAIL OR PORTABLE BARRIER SHALL BE LOCATED OUTSIDE THE CLEAR ZONE, AND SHOULD BE LOCATED AT LEAST 30 FT (PREFERABLY 40 FEET) FROM THE EDGE OF PAVEMENT WHEN POSSIBLE. ADDITIONAL POLE LINES, CABLES AND APPURTENANCES NECESSARY TO FURNISH POWER TO THE LIGHTING SYSTEM SHALL BE INCLUDED IN THIS ITEM. SERVICE POLES SHALL BE POSITIONED WITH THE SAME CONSTRAINTS AS THE LIGHTING POLES AS A MINIMUM.

PAYMENT WILL BE MADE AT THE UNIT PRICE PER EACH FOR ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM THROUGHOUT ALL PHASES OF WORK WHEN THE CROSSOVER ROADWAYS ARE USED.

**REMOVAL OF EXISTING AND TEMPORARY PAVEMENT MARKINGS**

THIS WORK SHALL CONSIST OF REMOVING ALL EXISTING CONFLICTING PAVEMENT MARKINGS PRIOR TO PLACING THE TEMPORARY PAVEMENT MARKINGS. ALL THE TEMPORARY MARKINGS SHALL BE REMOVED AFTER EACH PHASE OF CONSTRUCTION. PAYMENT FOR ALL MATERIALS AND LABOR REQUIRED TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

**PERMITTED LANE CLOSURE TIMES**

THE PERMITTED LANE CLOSURE TIMES ON IR 75 WILL BE AS FOLLOWS:

ONE LANE MAY BE CLOSE FROM 7:00 PM TO 6:00 AM EACH NIGHT, SATURDAY THROUGH FRIDAY MORNING. TWO LANE CLOSURES ARE NOT PERMITTED.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 PER LANE FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

**ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 648 - SPRAY THERMOPLASTIC PAVEMENT MARKINGS**

THE CONTRACTOR SHALL FURNISH AND APPLY SPRAY THERMOPLASTIC PAVEMENT MARKINGS ACCORDING TO ITEM 641 AND 648 BETWEEN PHASES 1 AND 2 DURING WINTER SHUTDOWN. THE LOCATIONS AND DIMENSIONS WILL BE AS DETERMINED BY THE ENGINEER. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 648, EDGE LINE, 6"	8.50 MILE
ITEM 648, LANE LINE, 6"	4.00 MILE
ITEM 648, CHANNELIZING LINE, 12"	4000 FEET
ITEM 648, DOTTED LINE, 6"	5000 FEET

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON CAMPBELL ROAD EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEB SITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 1 1/2 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

**ITEM 614 - CLASS III PAVEMENT MARKINGS**

THE CONTRACTOR SHALL FURNISH AND APPLY CLASS III PAVEMENT MARKINGS ACCORDING TO 614.11 IMMEDIATELY AFTER INSTALLING THE ASPHALT CONCRETE SURFACE COURSE, PRIOR TO THE APPLICATION OF THE FINAL PAVEMENT MARKINGS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS USE.

ITEM 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	8.50 MILES
ITEM 614, WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	4.00 MILE
ITEM 614, WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	4000 FT
ITEM 614, WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	5000 FT

**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. 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. ON THE BRIDGES, THE TEMPORARY PAVEMENT WEDGES THAT CARRY TRAFFIC SHALL BE PLACED PER ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A UTILIZING THE REQUIRED THICKNESS OF SURFACE COURSE ONLY. ALL THE OTHER WEDGES SHALL BE PER ITEM 614 - ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

PAYMENT FOR ALL WORK FOR THE COMPLETE INSTALLATION AND REMOVAL OF ANY PAVEMENT WEDGING REQUIRED TO SAFELY CONSTRUCT AND MAINTAIN TRAFFIC DURING CONSTRUCTION SHALL BE INCLUDED WITH ITEM 614 - MAINTAINING TRAFFIC.

**ITEM 622, PORTABLE BARRIER, UNANCHORED, AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING AND MAINTAINING PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. THIS ITEM SHALL BE LEFT IN PLACE AT THE COMPLETION OF THIS PROJECT.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, UNANCHORED, AS PER PLAN.

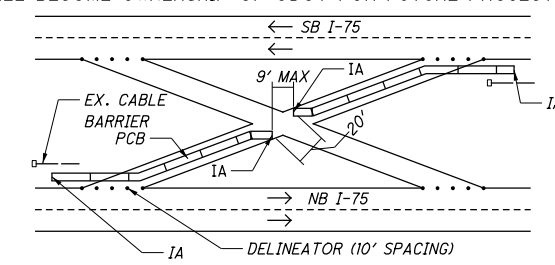
**ITEM 622, WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING AND MAINTAINING WORK ZONE IMPACT ATTENUATORS AT THE LOCATIONS SHOWN ON THE PLANS. THIS ITEM SHALL BE LEFT IN PLACE AT THE COMPLETION OF THIS PROJECT.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 614, WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN

**FINAL CROSSOVER STATUS**

AFTER PLACING TRAFFIC INTO THE FINAL CONFIGURATION, BUT BEFORE FINAL COMPLETION OF THIS PROJECT, PORTABLE CONCRETE BARRIER, IMPACT ATTENUATORS, AND DELINEATORS SHALL BE PLACED ON BOTH CROSSOVERS PER DETAIL BELOW AND WILL BECOME OWNERSHIP OF ODOT FOR FUTURE PROJECT(S).



VEGETATED FILTER STRIPS REMOVED TO CONSTRUCT THE CROSSOVER LOCATED BETWEEN STA. 308+00 TO STA. 319+00 SHALL BE REPLACED AT THE CONCLUSION OF FUTURE PROJECT(S) WHICH REQUIRE THE CROSSOVER FOR MAINTENANCE OF TRAFFIC. COST FOR REMOVAL OF VEGETATED FILTER STRIPS SHALL BE INCLUDED IN WITH THE COST OF ITEM 614 - MAINTAINING TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE MOT SUBSUMMARY.

ITEM 614, WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN	4 EACH
ITEM 622, DELINEATOR, POST SURFACE MOUNTED	280 EACH
ITEM 622, PORTABLE BARRIER, UNANCHORED, AS PER PLAN	2400 FT

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PHASE	SHEET	TO	202	611	611	611	611	614	614	614	614	614	614	614	614	614	614	614	615	620	622	622	622	622		
			REMOVAL MISC.: PAVEMENT REMOVED, RUMBLE STRIP	12" CONDUIT, TYPE B, 706.02 OR 706.08	CATCH BASIN, NO. 2-2B	INLET, SIDE DITCH	MANHOLE, NO. 3	INCREASED BARRIER DELINEATION	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN	WORK ZONE CROSSOVER LIGHTING SYSTEM	BARRIER REFLECTOR, TYPE 1, (ONE WAY)	BARRIER REFLECTOR, TYPE 1, (BI-DIRECTIONAL)	OBJECT MARKER, ONE WAY	WORK ZONE RAISED PAVEMENT MARKER	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	WORK ZONE GORE MARKING, CLASS II, 642 PAINT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	DELINEATOR, POST SURFACE MOUNTED	PORTABLE BARRIER, UNANCHORED	PORTABLE BARRIER, UNANCHORED, AS PER PLAN	PORTABLE BARRIER, 50", AS PER PLAN	PORTABLE BARRIER, ANCHORED	
			FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	SY	EACH	FT	FT	FT	FT
1A	308+00.00	320+00.00							2				48						2150		2400					
1A	381+00.00	395+00.00							2				56						2530		2800					
1A	15	24	20450	680	4	1	1	160	2			173	173	264	10.5	15827	3099	102	838		840			7800	780	
1B	25	33						120	1				17		1.5	965	420			840					780	
2A	56	63	19900					540	6				192	192	274	10.5	13368	5532	93	793				7970	780	
2B	65	72						110	1				31		31	2.1	1590	1462		565		1550			780	
3	12									4											280		2400			
TOTALS CARRIED TO GENERAL SUMMARY			40350	680	4	1	1	930	14	4	2	48	469	413	538	24.6	31749	10513	195	6876	280	10020	2400	15770	3120	

