

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON S.R. 148 AT ALL TIMES AND IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM 614 AND THE SEQUENCE OF CONSTRUCTION DESCRIBED ON THIS SHEET. THE WORK SHALL BE COMPLETED BY MAINTAINING ALTERNATING ONE-WAY TRAFFIC AS PER SCD MT-96.11 BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, AND ITEM 615 ROADS FOR MAINTAINING TRAFFIC.

PRIOR TO THE BEGINNING OF ANY CONSTRUCTION THAT WILL REQUIRE THE CLOSURE OF EXISTING LANES TO TRAFFIC, ALL WORK ZONE SIGNALS, SIGNS, PORTABLE BARRIER, AND WORK ZONE PAVEMENT MARKINGS SHALL BE FURNISHED AND INSTALLED AS SHOWN ON SCD MT-96.11 AND SCD MT-96.20. WORK ZONE PAVEMENT MARKING AND PORTABLE BARRIER INSTALLATION SHALL BE ACCOMPLISHED IN ONE DAY, WITH FLAGGERS BEING UTILIZED FOR THE PROTECTION OF VEHICULAR TRAFFIC DURING THE INSTALLATION OF THESE ITEMS. WHEN THE ABOVE REQUIREMENTS HAVE BEEN SATISFIED, SIGNAL CONTROLLED ALTERNATING ONE-WAY TRAFFIC MAY BEGIN.

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.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC, INCLUDING ANY PAVEMENT WEDGES NECESSARY TO ENSURE SMOOTH TRANSITIONS FOR TRAFFIC DURING CONSTRUCTION.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC ----- **15 CU. YD.**

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.

ITEM 615 - ROADS FOR MAINTAINING TRAFFIC

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION PURPOSES ONLY:

EXCAVATION FOR MAINTAINING TRAFFIC ----- **26 CU. YD.**

EMBANKMENT FOR MAINTIANING TRAFFIC ----- **54 CU. YD.**

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

ALL WORK SHALL FOLLOW SPECIFICATION 615, PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 615 - ROADS FOR MAINTAINING TRAFFIC.

WORK ZONE TRAFFIC SIGNALS

ALL WORK ZONE TRAFFIC SIGNALS SHALL HAVE A UPS SYSTEM CONFORMING TO CMS 633.18 AND 733.09, EXCEPT THAT A SEPARATE UPS ENCLOSURE IS NOT REQUIRED IF THE WORK ZONE TRAFFIC SIGNAL CONTROL EQUIPMENT IS TRAILER-MOUNTED. ALL SIGNAL HEADS SHALL BE LED CONFORMING TO CMS 732.04. IN ADDITION TO THE REQUIREMENTS OF CMS 614.10, THE CONTRACTOR SHALL INSTALL FRESH BATTERIES OR A PORTABLE GENERATOR WITHIN TWO HOURS OF A REPORTED DARK SIGNAL DUE TO AN EXTENDED POWER OUTAGE. ALL COSTS FOR MATERIALS, EQUIPMENT AND LABOR SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 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.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB OR PERMANENT BARRIER (INCLUDING BRIDGE PARAPETS) CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 , BI-DIRECTIONAL ----- **8 EACH**

ITEM 614, OBJECT MARKER, TWO-WAY ----- **8 EACH**

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING EACH OF THE ABOVE ITEMS.

ITEM 614, WORK ZONE IMPACT ATTENUATOR, 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.

SEQUENCE OF CONSTRUCTION

THE INTENT OF THE FOLLOWING SEQUENCE OF CONSTRUCTION IS TO PROVIDE A WORK AREA FOR THE CONTRACTOR WHILE ALSO MAINTAINING TRAFFIC IN A MANNER WHICH SAFE FOR THE TRAVELING PUBLIC; THEREFORE, ALL PHASES SHALL HAVE STRICT ADHERENCE. COMPLETE EACH PHASE PRIOR TO ADVANCING TO THE NEXT CONSTRUCTION PHASE.

PHASE 1:
UNDER FLAGGERS, REMOVE LEFT PORTIONS OF THE EXISTING 36" CMP'S AND INSTALL PROPOSED CULVERTS TO CENTER LINE. RESTORE PAVEMENT ABOVE THE WORK PER PAVEMENT REPLACEMENT DETAIL ON SHEET P.28.

INSTALL THE WORK ZONE TRAFFIC SIGNAL AS PER THE PLANS AND SCD'S MT-96.11, MT-96.20, AND MT-96.26 FOR ONE LANE TWO-WAY OPERATION. PLACE PORTABLE BARRIER AND OTHER M.O.T. TRAFFIC CONTROL EQUIPMENT AS PER THE PLANS.

PLACE TEMPORARY WORK ZONE PAVEMENT AS SHOWN ON SHEETS P.07 & P.08, EMBANKMENT, AND PROPOSED DITCH WORK .

PHASE 2:
PERFORM SLOPE STABILIZATION, INSTALL RIGHT PORTION OF PROPOSED CULVERTS, PLACE NEW PAVEMENT, AND REPLACE PORTIONS OF GUARDRAIL SHOWN IN THE PLANS.

PHASE 3:
THIS PHASE SHALL BE PERFORMED UNDER FLAGGERS . REMOVE TEMPORARY WORK ZONE PAVEMENT AND EMBANKMENT. REGRADE SLOPE TO PRE-CONSTRUCTION CONDITIONS PER 615.08, OR AS SHOWN IN PLANS AND AND PERFORM FINAL PROPOSED DITCH WORK GRADING AROUND THE CULVERTS.

INSTALL MITERED HEADWALLS, TRIM CONDUITS AND PLACE SODDING.

PLANE WESTBOUND LANE AND PLACE FINAL SURFACE COURSE OVER BOTH LANES. PLACE FINAL PAVEMENT MARKINGS, RPM'S, AND SIGNING.

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN

FOLLOW SPECIFICATION 615. UPON COMPLETION OF THE PROJECT, THIS TEMPORARY PAVEMENT SHALL BE REMOVED AND THE VOID BACKFILLED WITH ITEM 304.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC TRAFFIC, CLASS B, AS PER PLAN ----- **252 SQ. YD.**

NOTE REVISED

DESIGN AGENCY

DESIGNER

LRB

REVIEWER

BSH 08/21/24

PROJECT ID

117646

SHEET

P.05

TOTAL

33