ITEM 614, MAINTAINING TRAFFIC

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM 614 AND THE MAINTENANCE OF TRAFFIC DESCRIBED ON SHEETS P.03 - P.05.

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 MARKINGS AND PORTABLE BARRIER INSTALLATION SHALL BE ACCOMPLISHED IN ONE DAY, WITH FLAGGERS BEING UTILIZED FOR THE PROTECTION OF VEHICULAR TRAFFIC DURING THE INSTALLATIONS OF THESE ITEMS. WHEN THE ABOVE REQUIREMENTS HAVE BEEN SATISFIED, SIGNAL CONTROLLED ALTERNATING ONE-WAY TRAFFIC MAY BEGIN.

ONE-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY UTILIZING ONE-LANE, TWO-WAY ALTERNATING SIGNALIZED TRAFFIC UNLESS OTHERWISE NOTED IN THE PLANS. A MINIMUM OF ONE 11.5' LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND BRIDGE.

ALTERNATING ONE-WAY VEHICULAR TRAFFIC SHALL BE MAINTAINED DURING PHASE 2 BY USE OF FULLY-ACTUATED WORK ZONE TRAFFIC SIGNALS AS SHOWN ON SHEET P.05. TRAFFIC SHALL BE SEPARATED FROM THE WORK AREA BY MEANS OF ITEM 622, PORTABLE BARRIER, UNANCHORED, AND DRUMS.

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 IN 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 -- **10 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.

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 OF TRAFFIC RESTRICTIONS 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.

WORK ZONE MARKINGS

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE PLANS AND SHOWN ON SHEET P.05 FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614, WORK ZONE EDGE LINE, CLASS I, 6", 740.06 ,TYPE 1
ITEM 614, WORK ZONE STOP LINE, CLASS I, 740.06, TYPE 1

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT -- **0.10 MILE**

ITEM 614, WORK ZONE CENTER LINE, CLASS III, 6", 642 PAINT -- **0.05 MILE**

SEQUENCE OF CONSTRUCTION

PHASE 1:

PHASE 1 SHALL CONSIST OF INSTALLING THE PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN (FLEXIBLE), WORK ZONE SIGNALS, WORK ZONE PAVEMENT MARKINGS, PORTABLE BARRIER, AND WORK ZONE SIGNS PER SCD MT-96.11, SCD MT-96.20 AND SCD MT-101.70. TRAFFIC WILL BE MAINTAINED USING FLAGGERS PER SCD MT-97.10.

PHASE 2:

PHASE 2 SHALL CONSIST OF DEMOLITION AND REPAIR OF THE DECK EDGE PER SHEETS P.07 - P.15, THE REPLACEMENT OF THE FIRST SECTION OF TYPE MGS GUARDRAIL AT THE RIGHT FORWARD CORNER OF THE BRIDGE, AND THE PARTIAL REPLACEMENT OF THE EXISTING BRIDGE RAIL PER SHEET. P.07 - P.15. TRAFFIC WILL BE MAINTAINED USING THE LEFT SIDE OF THE EXISTING BRIDGE AND ROADWAY. TWO-WAY ONE-LANE TRAFFIC WILL BE MAINTAINED USING TEMPORARY TRAFFIC SIGNALS.

PHASE 3:

PHASE 3 SHALL CONSIST OF THE REMOVAL OF THE PORTABLE BARRIER, WORK ZONE SIGNALS, WORK ZONE SIGNS, AND WORK ZONE PAVEMENT MARKING. TRAFFIC WILL BE MAINTAINED USING FLAGGERS PER SCD MT-97.10.

PHASE 4:

PHASE 4 SHALL CONSIST OF THE REMOVAL OF EXISTING PAVEMENT MARKINGS ON THE STRUCTURE, THE APPLICATION OF HMWM RESIN AND EPOXY-URETHANE SEALER, AND THE REPAINTING OF THE LONG-LINE PAVEMENT MARKING ACROSS THE BRIDGE AND APPROACHES. TRAFFIC WILL BE MAINTAINED WITH FLAGGERS PER SCD MT-97.10.

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.

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.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE- STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE PLANS AND SHOWN ON SHEET P.05.

ITEM 614, BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)
ITEM 614, OBJECT MARKER, TWO-WAY
ITEM 614, INCREASED BARRIER DELINEATION

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

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY

DESIGNER MJH
REVIEWER BSH 12-30-25
PROJECT ID 120773
SHEET P.03 TOTAL 15

BEL-148-3.12

SHEET NUMBER													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
	P.02		P.03		P.04		P.05		P.09				01/BRO						
																		ROADWAY	
	LS												LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	P.02
					10								10	202	23000	10	SY	PAVEMENT REMOVED	
	12.5												12.5	202	38000	12.5	FT	GUARDRAIL REMOVED	
	1												1	202	47000	1	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
	12.5												12.5	606	15050	12.5	FT	GUARDRAIL, TYPE MGS	
	1												1	606	35002	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
																		EROSION CONTROL	
													1,000	832	30000	1,000	EACH	EROSION CONTROL	
																		TRAFFIC CONTROL	
	7												7	626	00110	7	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
	25												25	630	02100	25	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
	2												2	630	80100	2	SF	SIGN, FLAT SHEET	
	0.18												0.18	646	10010	0.18	MILE	EDGE LINE, 6"	
	0.09												0.09	646	10200	0.09	MILE	CENTER LINE	
																		STRUCTURE OVER 20 FOOT SPAN (BEL-148-03.140, SFN 0703761)	
									LS				LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.08
									LS				LS	202	98000	LS		REMOVAL MISC.: OEPA NOTIFICATION OF DEMOLITION	P.09
									1				1	503	21101	1	CY	UNCLASSIFIED EXCAVATION, AS PER PLAN	P.08
									8				8	509	10000	8	LB	EPOXY COATED STEEL REINFORCEMENT	
									25				25	509	20001	25	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	P.08
									2				2	510	10000	2	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
									1				1	511	34445	1	CY	CLASS QC2 CONCRETE, BRIDGE DECK, AS PER PLAN	P.08
									5				5	512	10100	5	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
									382				382	512	10300	382	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
									3				3	516	13600	3	SF	1" PREFORMED EXPANSION JOINT FILLER	
									22				22	517	75501	22	FT	BRIDGE RAILING REBUILT, AS PER PLAN	P.08
									4				4	519	11101	4	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.08
									1				1	625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM	
																		MAINTENANCE OF TRAFFIC	
							170						170	614	11630	170	FT	INCREASED BARRIER DELINEATION	
							2						2	614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
					2								2	614	12740	2	EACH	WORK ZONE LIGHTING SYSTEM	
			10										10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
							5						5	614	13310	5	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
							5						5	614	13360	5	EACH	OBJECT MARKER, TWO WAY	
							0.18						0.18	614	21200	0.18	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	
			0.05										0.05	614	21550	0.05	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
							0.07						0.07	614	22210	0.07	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	
			0.1										0.1	614	22360	0.1	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
							20						20	614	26400	20	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	
					25								25	615	25001	25	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN	P.04
							170						170	622	41100	170	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
			LS										LS	614	11000	LS		MAINTAINING TRAFFIC	
													3	619	16000	3	MNTH	FIELD OFFICE, TYPE A	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER MJH

REVIEWER BSH 12-30-25

PROJECT ID 120773

SHEET P.06 TOTAL 15

BEL-148-3.12