ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN

THE CONTRACTOR SHALL PERFORM ALL THE NECESSARY WORK ACCORDING TO ITEM 614 - MAINTAINING TRAFFIC AS SPECIFIED IN ODOT C&MS 2019.

ALL EXISTING LANES, INCLUDING RAMPS, SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT AND ALL PORTABLE BARRIER REMOVED FROM SHOULDERS BETWEEN OCTOBER 15 AND APRIL 1. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF $5000 PER CALENDAR DAY.

THE CONTRACTOR IS PERMITTED TO PERFORM CONSTRUCTION ACTIVITIES THAT ONLY REQUIRE LANE OR SHOULDER CLOSURES WITH DRUMS PER MT-95.30 STARTING MARCH 1 DURING PERMITTED LANE CLOSURE TIMES (PN127 APPLIES). HOWEVER, ALL DRUMS/ CONES MUST BE REMOVED IN ADVANCE OF A SNOW OR ICE EVENT.

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 YEAR'S	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	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

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 QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A 50 CU. YD.
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 50 CU. YD.
ITEM 616, WATER 1 M. GAL.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS FOLLOWS:

STA. 1005+19 SOUTHBOUND (TYPE III BARRICADE ACROSS LANES)
STA. 1002+44 NORTHBOUND (TYPE III BARRICADE ACROSS LANES)

ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN (CONTINUED)

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.

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

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 DURATIONS OF LESS THAN 1 WEEK.]

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.

NOTICE OF CLOSURE SIGN TIME TABLE

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

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.

ITEM 614, MAINTAINING TRAFFIC (RAMP CLOSURES)

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. THE LENGTH OF RESTRICTED TRAFFIC WORK ZONES SHALL BE KEPT TO A MAXIMUM TWO (2.0) MILE WORK ZONE CONSISTENT WITH THE SPECIFICATION REQUIREMENTS FOR PROTECTION OF COMPLETED COURSES. IN ADDITION TO THE REQUIREMENTS AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND PERTINENT ITEMS OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, THE FOLLOWING REQUIREMENTS SHALL APPLY.

IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO AND THE MAXIMUM SAFETY OF THE CONTRACTOR AND THE TRAVELING PUBLIC. ANY VARIANCES FROME THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE DIRECTOR. TRAFFIC IS TO BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT AND NOT BE SUBJECTED TO CONSTANT LANE SHIFTS.

THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ITEM 614, MAINTAINING TRAFFIC (RAMP CLOSURES) (CONTINUED)

THE TABLE BELOW PROVIDES THE PERMITTED CLOSURE TIMES FOR RAMPS ON THE PROJECT ALONG WITH THE MAXIMUM NUMBER OF NIGHTS EACH RAMP MAY BE CLOSED. RAMP CLOSURES SHALL NOT OCCUR CONCURRENTLY.

INTERCHANGE	RAMP	PERMITTED RAMP CLOSURE TIMES		MAX. NIGHT CLOSURES
		BEGIN	END	
IR 75 X CR 25A	NB ON-RAMP	8:00 PM	6:00 AM	2
IR 75 X CR 25A	SB OFF-RAMP	8:00 PM	6:00 AM	2

SEQUENCE OF CONSTRUCTION

PHASE 1A

FALL (2021)
CONTRACTOR SHALL BUILD ALL PAVEMENT FOR MAINTAINING TRAFFIC INCLUDING THE TEMPORARY CROSSOVER PAVEMENT TO BE USED DURING PHASE 1 AND PHASE 2 IN ACCORDANCE WITH SCD MT-95.45. CONSTRUCT A TEMPORARY PAD FOR THE ATTENUATOR ANCHORAGE IF NECESSARY. REMOVE THE EXISTING CABLE GUARDRAIL AND STORE FOR REUSE TO THE LIMITS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS. CONTRACTOR SHALL CONSTRUCT ONLY THE TEMPORARY BRIDGE ABUTMENTS AS SHOWN IN THE STRUCTURES PLANS. INSTALL THE TEMPORARY DRAINAGE AS SHOWN IN THE PLANS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS EXCEPT FOR THE PORTABLE BARRIER REQUIRED PER MT-95.45 SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

AN ESTIMATED QUANTITY OF 6140 FEET OF ITEM 622 PORTABLE BARRIER, UNANCHORED AND 2 EACH OF ITEM 614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN HAS BEEN CARRIED TO THE GENERAL SUMMARY.

PHASE 1

SPRING (2022)
CONTRACTOR SHALL INSTALL THE REMAINING TEMPORARY BRIDGE SUPERSTRUCTRE. PRIOR TO SHIFTING TRAFFIC INTO THE PHASE 1 CONFIGURATION, REMOVE AND REERECT THE EXISTING GROUND MOUNTED STRUCTURAL SIGN "Co Rd 25A" AT STA. 1005+85 LT TO STA. 1010+75 LT.

MAINTAIN TRAFFIC AS SHOWN IN THE PLANS FOR PHASE 1. BEGINNING SOUTH OF THE MIA-75-1901 BRIDGES, SHIFT THE NORTHBOUND TRAFFIC TO THE OUTSIDE AND REDUCE THE LANE WIDTHS FROM 12'-0" TO 10'-0" WITH A 2'-0"± OUTSIDE SHOULDER AND A 1'-11" BARRIER OFFSET. NORTHBOUND TRAFFIC SHALL SHIFT BACK INTO THE EXISTING CONFIGURATION AFTER THE PROPOSED WORK ZONE.

BEGINNING NORTH OF THE MIA-75-1901 BRIDGES, CROSSOVER BOTH LANES OF SOUTHBOUND TRAFFIC AS SHOWN IN THE PLANS. THE INSIDE SOUTHBOUND LANE SHALL CROSSOVER TO THE INSIDE PORTION OF THE EXISTING NORTHBOUND LANES. REDUCE THE LANE WIDTH FROM 12'-0" TO 10'-0" WITH A 2'-0" OUTSIDE SHOULDER AND A 1'-11" BARRIER OFFSET. THE OUTSIDE SOUTHBOUND LANE SHALL CROSSOVER TO THE MEDIAN AND USE THE TEMPORARY STRUCTURE OVER RUSH CREEK. LANE WIDTH SHALL REDUCE TO 10'-0" WITH 2'-0" BARRIER OFFSETS. BOTH SOUTHBOUND LANES SHALL INDEPENDENTLY CROSSOVER BACK OVER TO THE EXISTING SOUTHBOUND SIDE OF I.R. 75 AND RETURN THE TYPICAL LANE CONFIGURATION FOR THE EXISTING CONDITION.

CONSTRUCT THE ENTIRE I.R. 75 SOUTHBOUND PROJECT AREA INCLUDING THE MIA-75-1901L STRUCTURE, APPROACH PAVEMENT, GUARDRAIL, AND OUTSIDE GRADING. THE ROADWAY SHALL BE CONTRUCTED TO THE TOP OF THE INTERMEDIATE COURSE. THE PROPOSED SURFACE COURSE WITHIN THE PROJECT LIMITS SHALL BE PLACED AFTER PHASE 2.

SEQUENCE OF CONSTRUCTION (CONTINUED)

PHASE 1 (CONTINUED)

RESURFACING OF AREAS OUTSIDE OF THE BRIDGE MOT LIMITS CAN OCCUR ANYTIME FROM PHASE 1 TO PHASE 2A. THESE LIMITS INCLUDE MILLIING THE PORTION OF I.R. 75 BETWEEN C.R. 25A, INCLUDING THE NORTHBOUND ENTRANCE RAMP AND THE SOUTHBOUND EXIT RAMP, AND THE SOUTHERN PROJECT LIMITS FOR THE MIA-75-1901 BRIDGES. C.R. 25A RAMP TRAFFIC SHALL FOLLOW THE DETOURS AS SHOWN IN THE DETOUR PLANS WHEN PAVEMENT WORK IS BEING PERFORMED AT THE NORTHERN RAMPS. MILLING SHALL BE PERFORMED FOR THE ENTIRE WIDTH OF THE PAVEMENT INCLUDING THE SHOULDERS. THE PROPOSED INTERMEDIATE COURSE PLACED IN PHASES 1 & 2 SHALL ALSO BE OVERLAID WITH THE FINAL SURFACE COURSE. MAINTAIN TRAFFIC IN ACCORDANCE WITH SCD MT-95.30 AND AS SHOWN IN THE PERMITTED RAMP CLOSURE TABLE FOR THE C.R. 25A RAMPS. PAYMENT FOR ALL LABOR, MATERIALS, AND EQUIPMENT, TO PERFORM THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE FOR THE FOLLOWING ITEMS:

ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE 17894 SY
ITEM 407, TACK COAT 1611 GAL
ITEM 442, 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) 746 CY

PHASE 2

SUMMER (2022)
BEGINNING NORTH OF THE MIA-75-1901 BRIDGES, SHIFT THE SOUTHBOUND TRAFFIC TO THE OUTSIDE AND REDUCE THE LANE WIDTHS FROM 12'-0" TO 10'-0" WITH A 2'-0" OUTSIDE SHOULDER AND A 2'-0" BARRIER OFFSET. SOUTHBOUND TRAFFIC SHALL SHIFT BACK INTO THE EXISTING CONFIGURATION AFTER THE PROPOSED WORK ZONE.

MAINTAIN TRAFFIC AS SHOWN IN THE PLANS FOR PHASE 2. BEGINNING SOUTH OF THE MIA-75-1901 BRIDGES, CROSSOVER THE INSIDE NORTHBOUND LANE TO THE INSIDE OF THE I.R. 75 SOUTHBOUND LANES. REDUCE THE LANE WIDTH FROM 12'-0" TO 10'-0" AND 2'-0" SHOULDER/BARRIER OFFSETS. THE OUTSIDE NORTHBOUND LANE SHALL CROSSOVER TO THE TEMPORARY MEDIAN STRUCTURE WITH A 10'-0" LANE WIDTH AND 2'-0" SHOULDER/BARRIER OFFSETS. BOTH NORTHBOUND LANES SHALL INDEPENDENTLY CROSSOVER BACK OVER TO THE EXISTING NORTHBOUND SIDE OF I.R. 75 AND RETURN THE TYPICAL LANE CONFIGURATION FOR THE EXISTING CONDITION.

CONSTRUCT THE ENTIRE I.R. 75 NORTHBOUND PROJECT AREA INCLUDING THE MIA-75-1901R STRUCTURE, APPROACH PAVEMENT, GUARDRAIL, AND OUTSIDE GRADING. THE ROADWAY SHALL BE CONSTRUCTED TO THE TOP OF THE INTERMEDIATE COURSE. THE PROPOSED SURFACE COURSE WITHIN THE PROJECT LIMITS SHALL NOT BE INSTALLED UNTIL ALL PHASE 2 WORK HAS BEEN COMPELTED.

PHASE 2A

SUMMER/FALL (2022)
CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AND RETURN THE FLOW OF TRAFFIC TO THE TYPICAL CONFIGURATION ONCE ALL PROPOSED WORK HAS BEEN COMPLETED. ONCE TRAFFIC HAS BEEN SHIFTED BACK TO THE EXISTING CONDITION, THE CONTRACTOR SHALL MILL ALL OF THE EXISTING PAVEMENT WHERE THE SURFACE HAS BEEN DISTURBED BY TEMPORARY STRIPING OPERATIONS. THE CONTRACTOR SHALL REMOVE THE TEMPORARY CROSSOVER PAVEMENT AND REGRADE THE MEDIAN TO THE PROPOSED CONDITIONS AS SHOWN IN THE ROADWAY PLANS IN ACCORDANCE WITH SCD MT-95.45. CONSTRUCT A TEMPORARY PAD FOR THE ATTENUATOR ANCHORAGE IF NECESSARY. THE CONTRACTOR SHALL REMOVE THE TEMPORARY STRUCTURE AND COMPLETE ANY FINAL GRADING NEAR THE BRIDGES IN THE MEDIAN. REINSTALL THE CABLE BARRIER TO THE LIMITS DESCRIBED IN THE NOTE ON THE SHEET 14.

CONTRACTOR SHALL PLACE CLASS III PAVEMENT MARKINGS ON THE FINISHED SURFACE COURSE THAT WILL BE OPEN TO TRAFFIC PRIOR TO PLACING THE FINAL PAVEMENT MARKINGS. THE NECESSARY ITEMS TO PERFORM THIS WORK HAVE BEEN INCLUDED HERE AND CARRIED TO THE GENERAL SUMMARY.

ITEM 614, WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT 1.49 MI
ITEM 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT 2.98 MI

CALCULATED JEP CHECKED RG

MAINTENANCE OF TRAFFIC GENERAL NOTES

MIA-75-19.01

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, 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 3 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 618, RUMBLE STRIPS (ASPHALT CONCRETE) REMOVAL, AS PER PLAN

THE CONTRACTOR SHALL MILL 2 INCHES DEEP BY 2 FEET WIDE OF THE EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS ALONG I.R. 75 IN THE AREA WHERE TRAFFIC IS SHIFTED ACROSS AND/OR ONTO THE RUMBLE STRIPS. THE CONTRACTOR SHALL THEN COAT ALL MILLED SURFACES (HORIZONTAL AND VERTICAL) WITH APPROVED AC LIQUID. NEXT THE CONTRACTOR SHALL PLACE 2 INCHES OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446).

AN ESTIMATED QUANTITY OF 7854 FEET HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ASPHALT CONCRETE FOR MAINTAINING TRAFFIC (ROADWAY)

THIS ITEM IS TO BE UTILIZED FOR MAINTENANCE OF THE EXISTING ASPHALT PAVEMENT THROUGHOUT THE LIMITS OF THE PROJECT OUTSIDE THE LIMITS OF THE STRUCTURE SURFACES AND APPROACH SLABS. THIS ITEM WILL CONSIST OF REMOVING AND REPLACING SECTIONS OF DETERIORATED EXISTING ASPHALT CONCRETE AS REQUIRED TO SAFELY MAINTAIN TRAFFIC THROUGH THE LIMITS OF THE PROJECT AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL CONSIST OF COMPLETE REMOVAL, CLEANING, ETC. OF AN AS DIRECTED VOLUME OF MATERIAL ON THE ROADWAY AS WELL AS FULL REPLACEMENT OF THE RESULTING VOID WITH APPROVED ASPHALT MATERIAL CONFORMING TO 614.13. THIS ITEM WILL INCLUDE ALL REQUIRED TRAFFIC CONTROL AND INCIDENTALS TO COMPLETELY REMOVE AND RESTORE THE REPAIR AREA.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC (ROADWAY) 75 CY

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.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF THE TEMPORARY PIPES.

ITEM 202 - PAVEMENT REMOVED 24 SY

ITEM 304 - AGGREGATE BASE 4 CY

ITEM 302 - ASPHALT CONCRETE BASE, PG64-22 7 CY

ITEM 407 - TACK COAT 5 GAL

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) 3 CY

THE ABOVE QUANTITY IS BASED ON A 302 THICKNESS OF 10.5 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH. PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

TEMPORARY DRAINAGE ITEMS

TEMPORARY DRAINAGE ITEMS LABELED ON THE MAINTENANCE OF TRAFFIC PLANS ARE ITEMIZED IN THE MOT SUBSUMMARY. PAYMENT FOR THE TEMPORARY DRAINAGE ITEMS ARE ITEMIZED AND CARRIED TO THE GENERAL SUMMARY.

ITEM 615, ROADS FOR MAINTAINING TRAFFIC

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

EXCAVATION FOR MAINTAINING TRAFFIC	3514 CY
EMBANKMENT FOR MAINTAINING TRAFFIC	1626 CY
PIPE REMOVED, 24" AND UNDER	525 FT

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC.

CALCULATED JEP
CHECKED RG

MAINTENANCE OF TRAFFIC GENERAL NOTES

MIA-75-19.01

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	10	13	14	17	15	70	71	70	95	01/IMS/BR	02/IMS/PV	03/SAF/OT						
																		ROADWAY	
											LS			201	11000	LS		CLEARING AND GRUBBING	
			24					523			547			202	23000	547	SY	PAVEMENT REMOVED	
				962							962			202	23001	962	SY	PAVEMENT REMOVED, AS PER PLAN	14
								2,877			2,877			202	38000	2,877	FT	GUARDRAIL REMOVED	
								5			5			202	47000	5	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
				2,110							2,110			202	48100	2,110	FT	CABLE BARRIER REMOVED FOR STORAGE	
					6						6			202	58100	6	EACH	CATCH BASIN REMOVED	
2,330											2,330			203	10000	2,330	CY	EXCAVATION	
685											685			203	20000	685	CY	EMBANKMENT	
								182			182			255	20000	182	FT	FULL DEPTH PAVEMENT SAWING	
	775										775			606	15050	775	FT	GUARDRAIL, TYPE MGS	
	1,787.5										1,787.5			606	15100	1,787.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
	4										4			606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E NCHRP 350/MASH 2016	
	1										1			606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
	4										4			606	35002	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
	1										1			606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
				2,110							2,110			SPECIAL	60655020	2,110	FT	CABLE BARRIER, REPLACEMENT CABLE	14
				4							4			SPECIAL	60655150	4	EACH	CABLE BARRIER, ANCHOR ASSEMBLY	14
				2							2			SPECIAL	60655180	2	EACH	CABLE BARRIER, SPLICE	14
				23							23			SPECIAL	60655190	23	EACH	CABLE BARRIER, POST REFLECTOR	14
				2							2			SPECIAL	60655200	2	EACH	CABLE BARRIER, TENSIONING	14
				2							2			606	98100	2	EACH	GUARDRAIL, MISC.:CABLE BARRIER ANCHOR ASSEMBLY REMOVED	14
								84			84			609	24510	84	FT	CURB, TYPE 4-C	
				962							962			SPECIAL	69098300	962	SY	MOW STRIP	14
																		EROSION CONTROL	
								58			58			601	21060	58	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
										397	397			601	32200	397	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
1											1			659	00100	1	EACH	SOIL ANALYSIS TEST	
304											304			659	00300	304	CY	TOPSOIL	
2,735											2,735			659	00500	2,735	SY	SEEDING AND MULCHING, CLASS 1	
137											137			659	14000	137	SY	REPAIR SEEDING AND MULCHING	
137											137			659	15000	137	SY	INTER-SEEDING	
0.38											0.38			659	20000	0.38	TON	COMMERCIAL FERTILIZER	
0.57											0.57			659	31000	0.57	ACRE	LIME	
15											15			659	35000	15	MGAL	WATER	
6											6			659	40000	6	MSF	MOWING	
											LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
											LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
											LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
											45,000			832	30000	45,000	EACH	EROSION CONTROL	
																		PAVEMENT	
							456		456		456			204	10000	456	SY	SUBGRADE COMPACTION	
	300											300		253	01001	300	SY	PAVEMENT REPAIR, AS PER PLAN	9
		17,894					1,089		1,089		18,983	106,096		254	01000	125,079	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2"	
	50											50		254	01601	50	SY	PATCHING PLANED SURFACE, AS PER PLAN	9
			7				139		139		146			302	46000	146	CY	ASPHALT CONCRETE BASE, PG64-22	
			4				76		76		80			304	20000	80	CY	AGGREGATE BASE	
		1,611	5				184		184		1,800			407	10000	1,800	GAL	TACK COAT	
												9,020		407	20000	9,020	GAL	NON-TRACKING TACK COAT	
					132						132			411	10000	132	CY	STABILIZED CRUSHED AGGREGATE	
												5,160		442	00100	5,160	CY	ANTI-SEGREGATION EQUIPMENT	
		746					64		64		810			442	10000	810	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
			3				75		75		78			442	10100	78	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
												5,160		442	10301	5,160	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG 76-22M	9
												589		617	10100	589	CY	COMPACTED AGGREGATE	

CALCULATED JAP
CHECKED DLT

GENERAL · SUMMARY

MIA-75-19.01

6.7
118

\\msconsultants.com\files\Production\03\60\08335\94676_MIA-75\Design\Roadway\Sheets\94676_GG001.dgn Sheet 5/20/2021 4:25:25 PM dtout

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	13	14	17	72	81	84	85	95			01/IMS/BR	02/IMS/PV	03/SAF/OT						
																		DRAINAGE	
				133							133			605	06000	133	FT	4" BASE PIPE UNDERDRAINS	
				45							45			611	00410	45	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
			525								525			611	05900	525	FT	15" CONDUIT, TYPE B	
			6								6			611	98410	6	EACH	CATCH BASIN, NO. 8	
				1							1			611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		TRAFFIC CONTROL	
44,564	7,854										52,418			618	40100	52,418	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
					69		272				69	272		621	00100	341	EACH	RPM	
					69		254				69	254		621	54000	323	EACH	RAISED PAVEMENT MARKER REMOVED	
		49.4									49.4			630	07500	49.4	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22	
		2									2			630	09000	2	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
		1									1			630	82000	1	EACH	SIGN BACKING ASSEMBLY	
		2									2			630	84500	2	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
		1									1			630	85600	1	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND REERECTION	
		2									2			630	86102	2	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
					3.14						3.14			644	00104	3.14	MILE	EDGE LINE, 6"	
					1.57						1.57			644	00204	1.57	MILE	LANE LINE, 6"	
					0.12						0.12			646	10010	0.12	MILE	EDGE LINE, 6"	
					0.06						0.06			646	10110	0.06	MILE	LANE LINE, 6"	
						24						24		646	10400	24	FT	STOP LINE	
						233						233		646	10500	233	FT	CROSSWALK LINE	
						2						2		646	20320	2	EACH	WRONG WAY ARROW	
						0.14							0.14	807	12010	0.14	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"	
						9.16							9.16	807	14010	9.16	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"	
						4.28							4.28	807	14110	4.28	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"	
						2,825							2,825	807	14310	2,825	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"	
						1,476							1,476	807	14410	1,476	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6"	
						13.44							13.44	850	10010	13.44	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
						1,476							1,476	850	10110	1,476	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
						2,825							2,825	850	10130	2,825	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
						0.14							0.14	850	20010	0.14	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
																		STRUCTURE 20 FOOT SPAN AND UNDER (MIA-75-19.01 L/R)	
																		FOR STRUCTURE QUANTITIES, SEE SHEET 95	

CALCULATED JAP CHECKED DLT

GENERAL SUMMARY

MIA-75-19.01

6.8
118

SHEET NUM.											PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
9	10	11	12	13	15	17	18	84			01/IMS/BR	02/IMS/PV	03/SAF/OT		EXT	TOTAL			
																		MAINTENANCE OF TRAFFIC	
	50										50			410	10000	50	CY	**TRAFFIC COMPACTED SURFACE, TYPE A**	
		300									300			614	11110	300	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			305								305			614	11630	305	FT	INCREASED BARRIER DELINEATION	
2											2			614	12380	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
						3	3				6			614	12385	6	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL), AS PER PLAN	11
					LS								LS	614	12420	LS		DETOUR SIGNING	
			12								12			614	12484	12	EACH	WORK ZONE INCREASED PENALTIES SIGN	
			15								15			614	12500	15	EACH	REPLACEMENT SIGN	
			300								300			614	12600	300	EACH	REPLACEMENT DRUM	
	2										2			614	12756	2	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
			200			1,097	1,089				2,386			614	12801	2,386	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	12
50				75							125			614	13000	125	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			14			104	97				215			614	13310	215	EACH	BARRIER REFLECTOR, TYPE 1(ONE WAY)	
			39								39			614	13312	39	EACH	BARRIER REFLECTOR, TYPE 2(ONE WAY)	
			53			22	17				92			614	13350	92	EACH	OBJECT MARKER, ONE WAY	
						41	40				81			614	13360	81	EACH	OBJECT MARKER, TWO WAY	
		24									24			614	18601	24	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN. AS PER PLAN	11
						0.23	0.24				0.47			614	20010	0.47	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
								4.28					4.28	614	20056	4.28	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
1.49											1.49			614	20560	1.49	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
						3.68	3.72				7.4			614	22010	7.4	MILE	WORK ZONE EDGE LINE, CLASS I, 6"	
								8.56					8.56	614	22056	8.56	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
2.98											2.98			614	22360	2.98	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
						4,508	4,509				9,017			614	23010	9,017	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12"	
								2,825					2,825	614	23110	2,825	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
						125	127				252			614	28000	252	FT	WORK ZONE GORE MARKING, CLASS II	
								1,476					1,476	614	98100	1,476	FT	WORK ZONE PAVEMENT MARKING, MISC.: WORK ZONE DOTTED LINE, CLASS 1. 6", 807 PAINT	82
				LS							LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
						7,507					7,507			615	20000	7,507	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
1			10								11			616	10000	11	MGAL	WATER	
						1,990	1,960				3,950			622	41011	3,950	FT	PORTABLE BARRIER, 50", AS PER PLAN	12
						1	1				2			622	41050	2	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
6,140						1,070	850				8,060			622	41100	8,060	FT	PORTABLE BARRIER, UNANCHORED	
		24									24			808	18700	24	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
																		INCIDENTALS	
											LS			614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	9
											4	4	4	619	16010	12	MNTH	FIELD OFFICE, TYPE B	
											LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS			624	10000	LS		MOBILIZATION	

CALCULATED JAP CHECKED DLT

GENERAL SUMMARY

MIA-75-19.01

6.9
11.8

ESTIMATED QUANTITIES

					SOUTHBOUND				NORTHBOUND					
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	ABUT.	PIERS	SUPER.	GEN.	SHEET REF.
202	11002	LUMP		STRUCTURE REMOVED, OVER 20 FOOT SPAN									
202	22900	308	SY	APPROACH SLAB REMOVED				154				154	
202	23500	1544	SY	WEARING COURSE REMOVED				772				772	
502	11101	LUMP		STRUCTURE FOR MAINTAINING TRAFFIC, AS PER PLAN									2/26
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING									
503	21300	LUMP		UNCLASSIFIED EXCAVATION	192				195				
504	11101	2275	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN				995				1,280	2/26
505	11100	LUMP		PILE DRIVING EQUIPMENT MOBILIZATION									
507	00500	2090	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	1,085				1,005				
507	00551	2400	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED, AS PER PLAN	1,240				1,160				2/26
507	00700	1260	FT	16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		630				630			
507	00751	1400	FT	16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED, AS PER PLAN		700				700			2/26
509	40000	220600	LB	REINFORCING STEEL, MISC.: GALVANIZED COATED REINFORCING STEEL	20,605	12,581	77,087		20,655	12,587	77,087		2/26
509	30020	8976	FT	NO.4 GFRP DEFORMED BARS			4,488				4,488		
511	32213	549	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN			275				274		2/26
511	34450	92	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			46				46		
511	41012	44	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		22				22			
511	43512	278	CY	CLASS QC1 CONCRETE WITH QC/QA , ABUTMENT INCLUDING FOOTING	132				146				
512	10100	866	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	114	5	312		117	5	312		
516	13600	34	SF	1" PREFORMED EXPANSION JOINT FILLER				17				17	
516	13900	260	SF	2" PREFORMED EXPANSION JOINT FILLER				125				135	
516	14020	202	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	101				101				
516	42600	202	FT	ELASTOMERIC BEARING PAD, MISC: 5"x1" ELASTOMERIC BEARING STRIP				101				101	
518	12500	5	EACH	SCUPPER, MISC.: CONTINUOUS SLAB BRIDGES				5					2/26
518	21200	188	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	93				95				
518	40000	287	FT	6" PERFORATED CORRUGATED PLASTIC PIPE		148				139			
518	40012	20	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE	10				10				
523	20000	6	EACH	DYNAMIC LOAD TESTING				3				3	
526	25001	482	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN				241				241	2/26
526	90011	202	FT	TYPE A INSTALLATION, AS PER PLAN	101				101				2/26
601	32200	397	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER *	197				200				

CALC. DBL | DATE 11/7/2019 | CHK'D ATM | DATE 12/9/2019

* ITEMS CARRIED TO ROADWAY GENERAL SUMMARY

BRIDGE PLAN ABBREVIATIONS

ABUT.	ABUTMENT	EL.	ELEVATION	N.B.	NORTHBOUND	R.F.	RIGHT FORWARD
APPR.	APPROACH	EMBED.	EMBEDMENT	N.F.	NORTH FACE	RT.	RIGHT
BRG.	BEARING	EX.	EXISTING	N.P.C.P.P.	NON-PERFORATED CORRUGATED PLASTIC PIPE	S.B.	SOUTHBOUND
BTA	BRIDGE TERMINAL ASSEMBLY	EXP.	EXPANSION	O/O	OUT-TO-OUT	SER.	SERIES
BTWN.	BETWEEN	F.A.	FORWARD ABUTMENT	P.C.P.P.	PERFORATED CORRUGATED PLASTIC PIPE	SHLDR.	SHOULDER
C.J.	CONSTRUCTION JOINT	F.F.	FRONT FACE	P.E.J.F	PREFORMED EXPANSION JOINT FILLER	SPA.	SPACE(S)
C/C	CENTER-TO-CENTER	FIX.	FIXED	PB	PORTABLE BARRIER	SQ.	SQUARE
CIP	CAST IN PLACE	FT.	FOOT/FEET	PERP.	PERPENDICULAR	STA.	STATION
CL	CENTERLINE	FWS	FUTURE WEARING SURFACE	PROP.	PROPOSED	SUPER.	SUPERSTRUCTURE
CLR.	CLEAR	I.R.	INTERSTATE ROUTE	R.A.	REAR ABUTMENT	T&B	TOP & BOTTOM
CONSTR.	CONSTRUCTION	LT.	LEFT			T/SLOPE	TOP OF SLOPE
DIA.	DIAMETER	MAX.	MAXIMUM			TEMP.	TEMPORARY
E.F.	EACH FACE	MIN.	MINIMUM			TYP.	TYPICAL
						U.N.O.	UNLESS NOTED OTHERWISE
						VC W/	VERTICAL CURVE WITH

DESIGN AGENCY
ms consultants, inc.
2221 Schrock Road
Columbus, Ohio 43229

REVIEWED YSJ DATE SEP. 2020
STRUCTURE FILE NUMBER 5503427/5503397
DRAWN CDH REVISED
DESIGNED DBL CHECKED ATM

ESTIMATED QUANTITIES
BRIDGE NO. MIA-75-19.01L/R
I-75 OVER RUSH CREEK

MIA-75-19.01
PID No. 94676

3 / 26

95
118