ITEM 614 - REPLACEMENT SIGN

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE CHIEF ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE USED, BUT IN GOOD CONDITION, SUBJECT TO APPROVAL BY THE CHIEF ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614 - REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 20 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR ITEM 614 REPLACEMENT SIGN.

ITEM SP 622 - PORTABLE BARRIER (WITHOUT GLARE SCREEN)

THE CONTRACTOR SHALL REPLACE ANY DAMAGED PORTABLE BARRIER WITHIN 24 HOURS OF A DAMAGING IMPACT. TO FACILITATE THIS PROMPT REPLACEMENT, AN ADDITIONAL ONE HUNDRED FEET OF EACH TYPE OF BARRIER SHALL BE ON THE PROJECT AT ALL TIMES.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN SHOWN FOR INFORMATIONAL PURPOSES ONLY. A LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER FOR REPLACEMENT OF TEMPORARY PORTABLE BARRIER.

ITEM SP 622 - PORTABLE BARRIER
(WITHOUT GLARE SCREEN) ..... 100 FT

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 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 B (ONE-WAY)..... 198 EACH
ITEM 614 OBJECT MARKERS,ONE -WAY..... 150 EACH
ITEM 614 OBJECT MARKERS,TWO -WAY ..... 48 EACH

1

WORK ZONE PAVEMENT MARKINGS

THE WORK ZONE PAVEMENT MARKINGS SHALL BE 4" WIDE, UNLESS NOTED OTHERWISE ON THE PLANS OR OTIC / ODOT STANDARD DRAWINGS. REMOVAL METHODS LISTED IN SP 614C SHALL ALSO BE USED TO REMOVE ITEM 614 - WORK ZONE PAVEMENT MARKINGS. ALL COSTS FOR THE PLACEMENT OF WORK ZONE PAVEMENT MARKINGS INCLUDING EQUIPMENT, LABOR, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM SP 614 - MAINTAINING TRAFFIC.

SUSPENSION OF WORK

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, THE CHIEF ENGINEER WILL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER

WHEN ADDITIONAL SIGNING IS NEEDED TO MAINTAIN TRAFFIC, THE CONTRACTOR SHALL FURNISH THE SIGN OR SIGNS AS DIRECTED BY THE CHIEF ENGINEER. THESE SIGNS SHALL BE GROUND OR BARRIER MOUNTED AND MEET ALL THE SPECIFICATIONS OF THE PLAN, PROPOSAL AND CURRENT YEAR ODOT CMS. SIGN SUPPORTS AND HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER.

ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH
SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER ..... 48 SF

SP 614C - REMOVAL OF PAVEMENT MARKING

ALL PAVEMENT MARKINGS WHICH ARE IN CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS ARE TO BE REMOVED AS PER SP 614C - REMOVAL OF PAVEMENT MARKINGS.

REMOVAL OF EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY EITHER GRINDING OR WATER BLAST AS APPROVED BY THE CHIEF ENGINEER, IN ACCORDANCE WITH SP 614C. BLACKOUT TAPE CAN BE USED PER SP 614A AND CMS 614. MEASUREMENT OF THIS ITEM SHALL BE IN ACCORDANCE WITH SP 614C AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO REMOVE CONFLICTING PAVEMENT MARKINGS TO THE SATISFACTION OF THE CHIEF ENGINEER.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY TO BE UTILIZED AS DIRECTED BY THE CHIEF ENGINEER.

SP 614C - REMOVAL OF PAVEMENT MARKING..... 1.10 MILE

SP 621 RAISED PAVEMENT MARKERS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER FOR CONTINGENCY PURPOSES ONLY. THESE ITEMS ARE TO BE USED TO REPLACE OR REPAIR DAMAGED RAISED PAVEMENT MARKERS IN THE EASTBOUND AND WESTBOUND TURNPIKE LANES.

SP 621 RAISED PAVEMENT MARKER -
STIMSONITE MODEL 101 LPCR ..... 20 EACH

SP 621 REPLACEMENT PRISMATIC RETRO-REFLECTOR ..... 20 EACH

SP 621 REPLACEMENT RAISED PAVEMENT MARKER CASTING -
STIMSONITE MODEL 101 LPCR ..... 20 EACH

GUARDRAIL DELINEATION

GUARDRAIL DELINEATION FROM MP 45.90 TO MP 51.35 SHALL CONSIST OF AKT CORPORATION MODEL 567 ONE-WAY DELINEATORS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE DELINEATORS SHALL BE SPACED 100' (MIN.), WITH ALL GUARDRAIL RUNS HAVING NO LESS THAN 2 DELINEATORS (ONE DELINEATOR ON THE BEGIN AND ONE ON THE END OF THE GUARDRAIL RUN).

PAYMENT FOR GUARDRAIL DELINEATION SHALL BE INCLUDED WITH ITEM SP 614 MAINTAINING TRAFFIC. SUCH PAYMENT SHALL INCLUDE PROVIDING, INSTALLING, MAINTAINING, REPLACING DAMAGED DELINEATORS AND REMOVING, AS SPECIFIED, FOR THE ABOVE SAID GUARDRAIL DELINEATION.

DUST CONTROL

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

ITEM 616 - WATER ..... 30 MGAL

ALTERNATE MAINTENANCE OF TRAFFIC (MOT) PLANS

IF THE CONTRACTOR SO ELECTS, HE OR SHE MAY PROPOSE AN ALTERNATE METHOD OR METHODS FOR MAINTAINING TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS AND SP 614 ARE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THERE FROM.

IF THE CONTRACTOR ELECTS TO PROPOSE AN ALTERNATE MOT PHASE, SCHEME OR PLAN FROM THAT INCLUDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PREPARE TO SCALE PLANS, EQUIVALENT TO THE LEVEL OF DETAIL OR MORE AS PROVIDED IN THE CONTRACT DOCUMENTS, WHICH ILLUSTRATE ALL ADVANCED WARNING AREA SIGNAGE, TRANSITION AREA(S) FOR TAPERS AND SHIFTS, SIGNAGE AND / OR PAVEMENT MARKINGS, BUFFER SPACE, ACTIVITY OR WORK AREAS WHERE WORK IS TAKING PLACE, STAGING AREAS FOR WORKERS / MATERIALS / EQUIPMENT, AND TERMINATION AREA SHOWING TRAILING BUFFER SPACE AND TRANSITIONS OF TRAFFIC RETURNING TO NORMAL ALIGNMENT.

DETAILS OF ANY VARIATION FROM THE CONTRACT DOCUMENTS, SUCH AS THE PLACEMENT OF PORTABLE BARRIER, TEMPORARY SHEETING, PORTABLE BARRIER VEHICLES, TEMPORARY SIGNALS, TEMPORARY IMPACT ATTENUATORS, COVERING OF EXISTING SIGNAGE, REMOVAL OF PAVEMENT MARKINGS, ETC. SHOULD ALSO BE PROVIDED. BOTH MILEPOSTS AND STATIONS SHALL BE PROVIDED TO IDENTIFY ALL LOCATIONS OF SIGNS OR DEVICES.

THE PROPOSED ALTERNATE PLAN IS TO ADDRESS THE ENTIRE PROJECT AND / OR ADJACENT PROJECT MOT PLANS AND ANY REQUIRED CORRECTIONS TO ALREADY EXISTING MOT. TRAFFIC FLOW ARROWS SHALL BE SHOWN ON THE PLANS TO CLEARLY INDICATE EACH LANE OF TRAFFIC MAINTAINED.

ALTERNATE MAINTENANCE OF TRAFFIC (MOT) PLANS (CONTINUED)

THE ALTERNATE MOT PLANS SHALL BE PREPARED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED AND REGISTERED IN THE STATE OF OHIO WHO IS KNOWLEDGEABLE ABOUT FUNDAMENTAL PRINCIPLES OF TEMPORARY TRAFFIC CONTROL AND WORK ACTIVITIES TO BE PERFORMED. ALTERNATE MOT PLANS SHALL BE SUBMITTED TO THE CHIEF ENGINEER FOR REVIEW AND APPROVAL.

THE CHIEF ENGINEER WILL REQUIRE A 14 DAY REVIEW PERIOD TO EVALUATE THE PROPOSED ALTERNATE MOT PLAN. NO ALTERNATE PLANS SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE CHIEF ENGINEER. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH SP 614 AND ALL OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE CURRENT VERSION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION STANDARDS. ALL COSTS ASSOCIATED WITH THE PROPOSED ALTERNATE MOT PLAN WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

ITEM 614 - WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

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 STANDARD'S WEB PAGE FOR ROADWAY STANDARDS APPROVED PRODUCTS.

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.

ANY IMPACT ATTENUATOR PLACED ON:

- NEW PAVEMENT
- PAVEMENT THAT IS NOT BEING REPLACED AS PART OF THIS PROJECT
- OR PAVEMENT ON AN ACCELERATION / DECELERATION RAMP

SHALL BE AN ANCHORLESS WATER-FILLED IMPACT ATTENUATOR. FURNISH AN ANCHORLESS WATER-FILLED IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARD'S WEB PAGE FOR ROADWAY STANDARDS APPROVED PRODUCTS.

IMPACT ATTENUATORS SHOWN AND QUANTIFIED IN THE PLANS ARE FOR THE PROPOSED MAINTENANCE OF TRAFFIC PHASE LAYOUTS. ADDITIONAL IMPACT ATTENUATORS UTILIZED FOR PHASE SETUP, CONSTRUCTION ACCESS POINTS AND ALTERNATIVE MAINTENANCE OF TRAFFIC METHODS NOT DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM SP 614 - MAINTAINING TRAFFIC AND SHALL INCLUDE THE COST OF THE ATTENUATOR, LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SET, RESET AND REMOVE THE 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, MAINTAIN AND REMOVE COMPLETE A FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER. ANCHOR REMOVAL CAN CAUSE DAMAGE TO THE PAVEMENT SURFACE. PAYMENT SHALL INCLUDE REPAIRING ANY DAMAGE CAUSED DURING REMOVAL.

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD. SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/20
-	-	-	-
-	-	-	-

DESIGNED	CHECKED
SRC	RJM
DRAWN	IN CHARGE
SRC	AEH

MAINTENANCE OF TRAFFIC
GENERAL NOTES

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_MN01.dwg: 12/20/21 - 3:22pm

REFERENCE NUMBER	SHEET NUMBER	STATION TO STATION			SIDE (1)	202 PAVEMENT REMOVED, AS PER PLAN	614 WORK ZONE IMPACT ATTENUATOR	614 BARRIER REFLECTOR, TYPE B	614 OBJECT MARKER, ONE WAY	614 OBJECT MARKER, TWO WAY	614 WORK ZONE LANE LINE, CLASS I, 4"	614 WORK ZONE EDGE LINE, CLASS I, 4", (WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 4", (YELLOW)	614 WORK ZONE EDGE LINE, CLASS I, 6", (WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 6", (YELLOW)	614 WORK ZONE CHANNELIZING LINE, CLASS I, 8"	614 WORK ZONE DOTTED LINE, CLASS I	614B WORK ZONE WHITE EDGE LINE, 4"	614B WORK ZONE YELLOW EDGE LINE, 4"	614B WORK ZONE LANE LINE, 4"	614B WORK ZONE WHITE EDGE LINE, 6"	614B WORK ZONE YELLOW EDGE LINE, 6"	614B WORK ZONE CHANNELIZING LINE	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, TYPE 2, AS PER PLAN	SP 622 PORTABLE BARRIER (WITHOUT GLARE SCREEN) (1)	SP 622 PORTABLE BARRIER BRIDGE MOUNTED, AS PER PLAN
			TO			SY	EACH	EACH	EACH	EACH	MILE	MILE	MILE	MILE	MILE	FT	FT	MILE	MILE	MILE	MILE	MILE	FT	SY	SY	FT	FT
PHASE 1																										
W-1	22	943+15.00		952+55.00	RIGHT									0.18												
W-2	22-23	952+55.00		966+98.00	RIGHT							0.27														
W-3	23	966+98.00		976+15.00	RIGHT									0.17												
W-4	22	946+45.00		955+85.00	LEFT									0.18												
W-5	22-23	955+85.00		970+25.00	LEFT							0.27														
W-6	23	970+25.00		979+60.00	LEFT									0.18												
Y-1	22	943+15.00		952+55.00	RIGHT										0.18											
Y-2	22-23	952+55.00		966+98.00	RIGHT								0.27													
Y-3	23	966+98.00		976+15.00	RIGHT										0.17											
Y-4	22	946+45.00		955+85.00	LEFT										0.18											
Y-5	22-23	955+85.00		970+25.00	LEFT								0.27													
Y-6	23	970+25.00		979+60.00	LEFT										0.18											
L-1	22-23	952+55.00		966+98.00	RIGHT						0.27															
L-2	22-23	955+85.00		970+25.00	LEFT						0.27															
CH-1	22	943+15.00		952+55.00	RIGHT											940										
CH-2	22	946+45.00		955+85.00	LEFT											940										
CH-3	23	966+98.00		976+15.00	RIGHT											917										
CH-4	23	970+25.00		979+60.00	LEFT											935										
B-1	22-23	951+30.00		969+50.00	RIGHT			37	37																1,560	260
B-2	22-23	953+30.00		971+51.00	LEFT			37	37																1,560	260
I-1	22	951+30.00			RIGHT		1																			
I-2	23	971+51.00			LEFT		1																			
T-1	22	945+65.00		953+83.00	RIGHT																			900		
T-2	22	947+95.00		953+85.00	LEFT																			721		
T-3	22-23	955+45.00		967+19.00	RIGHT																			1,266		
T-4	22-23	955+42.00		967+38.00	LEFT																			1,378		
T-5	23	968+79.00		974+65.00	RIGHT																			711		
T-6	23	968+64.00		977+10.00	LEFT																			981		
TOTALS CARRIED TO SHEET 20							2	74	74		0.54	0.54	0.54	0.71	0.71	3,732								5,957	3,120 (1)	520 (1)

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/20
-	-	-	-
-	-	-	-

CHECKED RJM
IN CHARGE AEH
DESIGNED SRC
DRAWN SRC

MAINTENANCE OF TRAFFIC
SUBSUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_MS01.dwg; 12/20/21 - 3:23pm

REFERENCE NUMBER	SHEET NUMBER	STATION TO STATION			SIDE (1)	202 PAVEMENT REMOVED, AS PER PLAN (SY)	614 WORK ZONE IMPACT ATTENUATOR (EACH)	614 BARRIER REFLECTOR, TYPE B (EACH)	614 OBJECT MARKER, ONE WAY (EACH)	614 OBJECT MARKER, TWO WAY (EACH)	614 WORK ZONE LANE LINE, CLASS I, 4" (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 4", (WHITE) (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 4", (YELLOW) (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 6", (WHITE) (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 6", (YELLOW) (MILE)	614 WORK ZONE CHANNELIZING LINE, CLASS I, 8" (FT)	614 WORK ZONE DOTTED LINE, CLASS I (FT)	614B WORK ZONE WHITE EDGE LINE, 4" (MILE)	614B WORK ZONE YELLOW EDGE LINE, 4" (MILE)	614B WORK ZONE LANE LINE, 4" (MILE)	614B WORK ZONE WHITE EDGE LINE, 6" (MILE)	614B WORK ZONE YELLOW EDGE LINE, 6" (MILE)	614B WORK ZONE CHANNELIZING LINE (FT)	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A (SY)	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, TYPE 2, AS PER PLAN (SY)	SP 622 PORTABLE BARRIER (WITHOUT GLARE SCREEN) (1) (FT)	SP 622 PORTABLE BARRIER BRIDGE MOUNTED, AS PER PLAN (FT)
			TO																							
PHASE 2																										
W-7	25-26	929+25.00		952+15.00	RIGHT									0.43												
W-8	26-27	952+15.00		966+80.00	RIGHT							0.25					0.03									
W-9	27-28	966+80.00		989+85.00	RIGHT									0.41						0.03						
W-10	25	932+25.00		936+35.00	LEFT									0.08												
W-11	26	940+65.00		955+30.00	LEFT									0.22						0.03						
W-12	26-27	955+30.00		969+85.00	LEFT							0.25					0.03									
W-13	27-28	969+85.00		993+00.00	LEFT									0.44												
Y-7	25-26	929+25.00		952+15.00	RIGHT										0.43											
Y-8	26-27	952+15.00		966+80.00	RIGHT								0.25					0.03								
Y-9	27-28	966+80.00		989+85.00	RIGHT										0.41						0.03					
Y-10	25-26	932+25.00		955+30.00	LEFT										0.41						0.03					
Y-11	26-27	955+30.00		969+85.00	LEFT								0.25					0.03								
Y-12	27-28	969+85.00		993+00.00	LEFT										0.44											
L-3	26-27	952+15.00		966+80.00	RIGHT						0.25								0.03							
L-4	26-27	955+30.00		969+85.00	LEFT						0.25								0.03							
CH-5	25-26	929+25.00		952+15.00	RIGHT											2,290										
CH-6	25-26	932+25.00		955+30.00	LEFT											2,148						157				
CH-7	25	935+46.00		936+35.00	LEFT											89										
CH-8	27-28	966+80.00		989+85.00	RIGHT			(1)		(1)						2,148						157				
CH-9	27-28	969+85.00		993+00.00	LEFT											2,315										
B-3	26	940+65.00		953+30.00	LEFT			25		25														1,210	260	
B-4	26-27	951+00.00		969+30.00	RIGHT			38	38															1,570	260	
B-5	26-27	952+80.00		971+10.00	LEFT			38	38															1,570	260	
B-6	27	969+30.00		980+05.00	RIGHT			23		23														1,080		
I-3	26	951+00.00			RIGHT		1																			
I-4	27	971+10.00			LEFT		1																			
T-7	25-26	931+60.00		953+30.00	RIGHT	2,367																	4,191			
T-8	25-26	933+75.00		953+30.00	LEFT	2,016																	3,713			
T-9	27-28	969+30.00		988+35.00	RIGHT	1,773	(1)																4,958			
T-10	27-28	969+30.00		990+50.00	LEFT	1,921																	3,745			
D-1	25-26	936+35.00		942+31.00	LEFT												596									
TOTALS FROM SHEET 19							2	74	74		0.54	0.54	0.54	0.71	0.71	3,732								5,957	3,120	520
TOTALS THIS SHEET						8,077	2	124	76	48	0.50	0.50	0.50	1.58	1.69	8,990	596	0.06	0.06	0.06	0.06	0.06	314	16,607	0	5,430	520
SUBTOTALS						8,077	4	198	150	48	1.04	1.04	1.04	2.29	2.40	12,722	596	0.06	0.06	0.06	0.06	0.06	314	16,607	5,957	8,550	1,040
TOTALS CARRIED TO MAINTENANCE OF TRAFFIC NOTES								198	150	48																	
TOTALS CARRIED TO GENERAL SUMMARY						8,077	4	(1)		(1)	1.04	1.04	1.04	2.29	2.40	12,722	596	0.06	0.06	0.06	0.06	0.06	314	16,607	5,957	8,550	1,040

(1) (SP 622 PORTABLE BARRIER (WITHOUT GLARE SCREEN))

(1) (SP 622 PORTABLE BARRIER BRIDGE MOUNTED, AS PER PLAN)

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD. SUITE E
MAUMEE, OH 43537

REVISIONS		NO.	BY	DATE
ADDENDUM NO. 1		1	AC	12/20
-	-	-	-	-
-	-	-	-	-

DESIGNED	CHECKED	DESIGN AGENCY
SRC	RJM	AEH
DRAWN	IN CHARGE	
SRC		

MAINTENANCE OF TRAFFIC
SUBSUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_MS01.dwg; 12/20/21 - 3:23pm

SHEET NUMBER 10	11	12	13	14	15	20	33	34	35	36	37	38	39	42	77	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NUMBER
																			ROADWAY	
																201		LUMP	CLEARING AND GRUBBING	
						8077					4,299					202	12,376	SY	PAVEMENT REMOVED, AS PER PLAN	9
							120									202	120	FT	CONCRETE BARRIER REMOVED	
							1,760									202	1,760	FT	GUARDRAIL REMOVED, AS PER PLAN	10
							173									202	173	FT	FENCE REMOVED	
										201						202	201	FT	PIPE REMOVED, 24" AND UNDER	
										6						202	6	EACH	CATCH BASIN REMOVED, AS PER PLAN	10
45									2,070							203	2,115	CY	EXCAVATION	
									1,797							203	1,797	CY	EMBANKMENT, AS PER PLAN	10
450																203	450	CY	ROADWAY EXCAVATION AND EMBANKMENT	
60																204	60	SY	SUBGRADE COMPACTION	
60																204	60	SY	GEOTEXTILE FABRIC, 712.09 TYPE D	
615																206	615	TON	CEMENT	
755																206	755	GAL	CURING COAT, AS PER PLAN	9
12																206	12	HOUR	TEST ROLLING	
45																SP 304	45	CY	GRANULAR MATERIAL	
								425								606	425	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
								4								606	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
								4								606	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
								2								606	2	EACH	IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL)	
								1,194								622	1,194	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B-50, AS PER PLAN	11
								52								622	52	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C-50, AS PER PLAN	11
								10								622	10	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, AS PER PLAN	11
							120									622	120	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
60																861	60	SY	GEOGRID FOR SUBGRADE STABILIZATION, AS PER PLAN, TENSAR TRIAX 160 GEOGRID	
																			EROSION CONTROL	
																SP 113	1	LUMP	SWP3 MANAGEMENT	
2																659	2	EACH	SOIL ANALYSIS TEST	
227														259		659	486	CY	TOPSOIL	
2,045																659	2,045	SY	SEEDING AND MULCHING	
102																659	102	SY	REPAIR SEEDING AND MULCHING	
102																659	102	SY	INTER-SEEDING	
0.29																659	0.29	TON	COMMERCIAL FERTILIZER	
0.42																659	0.42	ACRE	LIME	
11																659	11	MGAL	WATER	
700														2,334		670	3,034	SY	SLOPE EROSION PROTECTION	
														836		832	836	FT	INLET PROTECTION	
														270		832	270	FT	FILTER FABRIC DITCH CHECK	
														200		832	200	FT	SLOPE DRAIN	
														1,000		832	1,000	FT	PERIMETER FILTER FABRIC FENCE	
																832	1	LUMP	STORM WATER POLLUTION PREVENTION PLAN	
																832	20,000	EACH	EROSION CONTROL	
														500		832	500	CY	CONSTRUCTION ENTRANCE	

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

REVISIONS			
NO.		BY	DATE
1	ADDENDUM NO. 1	AC	12/20
-	-	-	-
-	-	-	-

DESIGNED ADC | DRAWN ADC | CHECKED RJM | IN CHARGE AEH

GENERAL SUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_GEN_SUM.dwg: 12/20/21 - 3:36pm

SHEET NUMBER 10	11	12	13	14	15	20	33	34	35	36	37	38	39	42	77	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NUMBER
																			DRAINAGE	
										12						601	12	SY	TIED CONCRETE BLOCK MAT, TYPE 1	
										3						601	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
										447						611	447	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
										2,792						SP 605	2,792	FT	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")	
										2,788						SP 605	2,788	FT	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (30")	
										176						SP 605	176	FT	6" UNCLASSIFIED PIPE UNDERDRAIN WITH FABRIC WRAP	
										91						611	91	FT	12" CONDUIT, TYPE F	
										30						611	30	FT	18" CONDUIT, TYPE F (1)	
										2						SP 611	2	EACH	CATCH BASIN, NO. CB-1	
										2						SP 611	2	EACH	INLET, NO. I-3B50, DOUBLE GRATE	
										3						611	3	EACH	CATCH BASIN ADJUSTED TO GRADE	
										6						611	6	EACH	PRECAST REINFORCED CONCRETE OUTLET	
										2						SPECIAL	2	EACH	PRECAST CONCRETE END SECTION - 12"	
																			PAVEMENT	
13,571																206	13,571	SY	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP, AS PER PLAN	9
													523			209	523	FT	LINEAR GRADING, AS PER PLAN	10
											508					252	508	FT	FULL DEPTH PAVEMENT SAWING	
	85 (1)															253 (1)	85	SY	PAVEMENT REPAIR, AS PER PLAN (1)	11
											1,209					254	1,209	SY	PAVEMENT PLANING, ASPHALT CONCRETE	
											3,200					SP 302	3,200	CY	ASPHALT CONCRETE BASE, PG64-22	
											1,891					SP 304	1,891	CY	AGGREGATE BASE	
											214					SP 402	214	CY	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 64-22	
											258					SP 402	258	CY	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 76-22 (FR)	
												181				SP 404	181	CY	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22	
												257				SP 404	257	CY	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR)	
												509				SP 404A	509	FT	JOINT SEALER (APPLIED TO VERTICAL FACE, SP 402 AND SP 404)	
												1,849				407	1,849	GAL	NON-TRACKING TACK COAT	
													403			609	403	FT	ASPHALT CONCRETE CURB, TYPE 1, PG 64-22	
												397 (1)				SP 627	397 (1)	CY	STONE SHOULDER PROTECTION	
																			M.P. 40.3 MAINLINE STRUCTURE OVER S.R. 109	
																			REFER TO SHEET 83 FOR ITEMS AND QUANTITIES	
																			M.P. 40.5 MAINLINE STRUCTURE OVER INDIANA AND OHIO RAILWAY	
																			REFER TO SHEET 83 FOR ITEMS AND QUANTITIES	

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
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-	-	-	-
-	-	-	-

DESIGNED ADC | DRAWN ADC | CHECKED RJM | IN CHARGE AEH

GENERAL SUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_GEN_SUM.dwg: 12/20/21 - 3:22pm

SHEET NUMBER 10	11	12	13	14	15	20	33	34	35	36	37	38	39	42	77	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NUMBER
																			TRAFFIC CONTROL	
															50	621	50	EACH	RAISED PAVEMENT MARKERS REMOVED	
															112	621	112	EACH	RPM, MISC.: REFLECTOR REMOVED	
															112	621	112	EACH	RPM REFLECTOR	
															50	SP 621	50	EACH	RAISED PAVEMENT MARKERS	
				25											36	SP 626	61	EACH	BARRIER REFLECTOR, TYPE A	
															12	SP 626	12	EACH	BARRIER REFLECTOR, TYPE B	
															5.30	642	5.30	MILE	EDGE LINE, 6", TYPE 1	
															2.65	642	2.65	MILE	LANE LINE, 6", TYPE 1	
															934	642	934	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1	
															24,270	SPECIAL	12,135	FT	SONIC NAP ALERT PATTERN (SNAP)	74
																			MAINTENANCE OF TRAFFIC	
						4										614	4	EACH	WORK ZONE IMPACT ATTENUATOR	
			20													614	20	EACH	REPLACEMENT SIGN	13
			198													614	198	EACH	BARRIER REFLECTOR, TYPE B (ONE-WAY)	
			150													614	150	EACH	OBJECT MARKER, ONE WAY	
			48													614	48	EACH	OBJECT MARKER, TWO WAY	
				540												614	540	DAY	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	14
						1.04										614	1.04	MILE	WORK ZONE LANE LINE, CLASS I, 4"	
						1.04										614	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (WHITE)	
						1.04										614	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (YELLOW)	
						2.29										614	2.29	MILE	WORK ZONE EDGE LINE, CLASS I, 6", (WHITE)	
						2.40										614	2.40	MILE	WORK ZONE EDGE LINE, CLASS I, 6", (YELLOW)	
						12,722										614	12,722	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
						596										614	596	FT	WORK ZONE DOTTED LINE, CLASS I	
		6,500														SP 614	8,592	HRS	ZONE PERSON	
						0.06										SP 614B	0.06	MILE	WORK ZONE WHITE EDGE LINE, "4"	
						0.06										SP 614B	0.06	MILE	WORK ZONE YELLOW EDGE LINE, "4"	
						0.06										SP 614B	0.06	MILE	WORK ZONE LANE LINE, 4"	
						0.06										SP 614B	0.06	MILE	WORK ZONE WHITE EDGE LINE, 6"	
						0.06										SP 614B	0.06	MILE	WORK ZONE YELLOW EDGE LINE, 6"	
						314										SP 614B	314	FT	WORK ZONE CHANNELIZING LINE	
			1.10													SP 614C	1.10	MILE	REMOVAL OF PAVEMENT MARKINGS	
																615	1	LS	ROADS FOR MAINTAINING TRAFFIC	
						16,607										615	16,607	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
						5,957										615	5,957	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, TYPE 2, AS PER PLAN	14
			30													616	30	MGAL	WATER	
			20													SP 621	20	EACH	RAISED PAVEMENT MARKER- STIMSONITE MODEL 101 LPCR	
			20													SP 621	20	EACH	REPLACEMENT PRISMATIC RETRO-REFLECTOR	
			20													SP 621	20	EACH	REPLACEMENT RAISED PAVEMENT MARKER CASTING - STIMSONITE MODEL 101 LPCR	
			100			8,550										SP 622	8,650	FT	PORTABLE BARRIER, (WITHOUT GLARE SCREEN)	
						1,040										SP 622	1,040	FT	PORTABLE BARRIER,BRIDGE MOUNTED, AS PER PLAN	14
					5,173											626A	5,173	EACH	CONSTRUCTION ZONE MARKER	
					6											630	6	EACH	SIGNING, MISC.:; LOW CLEARANCE SIGN	15
			48													630	48	SF	SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER	13
					1.40											642	1.40	MILE	PAVEMENT MARKING, MISC.: FINAL PAVEMENT MARKING PREPARATION	15

DESIGN AGENCY
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3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

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-	-	-	-
-	-	-	-

DESIGNED ADC | CHECKED RJM | NO. 1
DRAWN ADC | IN CHARGE AEH

GENERAL SUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_GEN_SUM.dwg: 12/20/21 - 3:22pm

STATION TO STATION			SIDE	LENGTH	AVERAGE WIDTH RESURFACE (W1)	AVERAGE WIDTH FULL DEPTH (W2)	SURFACE AREA (A1) RESURFACE A=DxW/9	SURFACE AREA (A2) FULL DEPTH A=DxW/9	AREA BY COMPUTER	202 PAVEMENT REMOVED, AS PER PLAN		206 CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP, AS PER PLAN	252 FULL DEPTH PAVEMENT SAWING	254 PAVEMENT PLANING, ASPHALT CONCRETE (T=2")	SP 302 ASPHALT CONCRETE BASE, PG64-22 (T=12")	SP 302 ASPHALT CONCRETE BASE, PG64-22 (SHOULDER) (T=8")	SP 304 AGGREGATE BASE (T=6")	SP 304 AGGREGATE BASE (T=9-1/4")	SP 304 AGGREGATE BASE (SHOULDER) (T=10")	SP 402 ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 64-22 (T=1-3/4")	SP 402 ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 76-22 (FR) (T=1-3/4")	SP 402 ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 79-22 (FR) (VARIABLE DEPTH)		
				FT	FT	FT	SY	SY	SF	SY		SY	FT	SY	CY	CY	CY	CY	CY	CY	CY	CY			
RESURFACING																									
952+80.00	TO	953+30.00	EB	50.00	40.50		225.00							225								3			
952+80.00	TO	953+30.00	WB	50.00	43.25		240.28							240								3			
RESURFACING AND FULL DEPTH																									
955+90.00	TO	956+40.00	EB	50.00	33.50	28.50	186.11	158.33				158	50	186	53		26			4	4	3			
955+90.00	TO	956+40.00	WB	50.00	33.50	28.50	186.11	158.33				158	50	186	53		26			4	4	3			
966+20.00	TO	966+70.00	EB	50.00	33.50	28.50	186.11	158.33				158	50	186	53		26			4	4	3			
966+20.00	TO	966+70.00	WB	50.00	33.50	28.50	186.11	158.33				158	50	186	53		26			4	4	3			
NORMAL SECTION																									
956+40.00	TO	966+20.00	EB	980.00		28.50		3,103.33				3,103			1,034		517			73	72				
956+40.00	TO	966+20.00	WB	980.00		28.50		3,103.33				3,103			1,034		517			73	72				
NORMAL FULL WIDTH																									
953+30.00	TO	953+82.97	EB	52.97		53.00		311.93				372	53		105	13	53		16	7	11				
953+30.00	TO	953+85.06	WB	55.06		53.00		324.24				387	55		110	13	55		17	7	11				
955+39.84	TO	955+90.00	EB	50.16		53.00		295.39				353	50		100	12	50		15	6	10				
955+41.94	TO	955+90.00	WB	48.06		53.00		283.02				338	48		96	12	48		15	6	10				
966+70.00	TO	967+19.63	EB	49.63		53.00		292.27				349	50		99	12	50		15	6	10				
966+70.00	TO	967+21.75	WB	51.75		53.00		304.75				364	52		103	13	52		16	7	11				
SUPERELEVATED FULL WIDTH																									
968+76.99	TO	969+30.00	EB	53.01		53.00		312.17				373			106	13	53		16	7	11				
968+79.15	TO	969+30.00	WB	50.85		53.00		299.45				357			101	12	51		15	6	10				
NORMAL APPROACH SLAB																									
953+82.97	TO	953+97.98	EB	15.01		62.50		104.24				105						27							
953+85.06	TO	954+00.07	WB	15.01		62.50		104.24	563.32			105						27							
955+24.83	TO	955+39.84	EB	15.01		62.50		104.24				105						27							
955+26.93	TO	955+41.94	WB	15.01		62.50		104.24	579.96			105						27							
967+19.63	TO	967+34.64	EB	15.01		62.50		104.24	596.50			105						27							
967+21.75	TO	967+36.76	WB	15.01		62.50		104.24				105						27							
SUPERELEVATED APPROACH SLAB																									
968+61.98	TO	968+76.99	EB	15.01		62.50		104.24	576.80			105						27							
968+64.14	TO	968+79.15	WB	15.01		62.50		104.24				105						27							
ENTIRE PROJECT LENGTH																									
953+30.00	TO	969+30.00	EB/WB	1,600.00					38,687.00	4,299															
									SUBTOTALS	4,299		10,571	508	1,209	3,100	100	1,550	216	125	214	240	18			
TOTALS CARRIED TO GENERAL SUMMARY (* TOTALS CARRIED TO GENERAL NOTES)										4,299		10,571*	508	1,209	3,200			1,891			214	258			

1

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD. SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/20
-	-	-	-
-	-	-	-

DESIGNED	CHECKED	DRAWN	IN CHARGE
ADC	RJM	ADC	AEH

PAVEMENT SUBSUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_Subsummary_Pavement.dwg: 12/20/21 - 3:40pm

STATION TO STATION			SIDE	LENGTH	AVERAGE WIDTH RESURFACE (W1)	AVERAGE WIDTH FULL DEPTH (W2)	SURFACE AREA (A1) RESURFACE A=DxW/9	SURFACE AREA (A2) FULL DEPTH A=DxW/9	AREA BY COMPUTER	SP 404 ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22 (T=1-1/2")	SP 404 ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR) (T=1-1/2")	SP 404 ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR) (T=1-1/2")	SP 404A JOINT SEALER (APPLIED TO VERTICAL FACE, SP 402 AND SP 404)	407 NON-TRACKING TACK COAT (APP. @ 0.06 GAL/SY)	407 NON-TRACKING TACK COAT (APP. @ 0.06 GAL/SY)	407 NON-TRACKING TACK COAT (APP. @ 0.085 GAL/SY)	407 NON-TRACKING TACK COAT (APP. @ 0.06 GAL/SY)		SP 627 STONE SHOULDER PROTECTION (T=3")		
				FT	FT	FT	SY	SY	SF	CY	CY	CY	FT	GAL	GAL	GAL	GAL		CY		
RESURFACING																					
952+80.00	TO	953+30.00	EB	50.00	40.50		225.00				9			14		19					
952+80.00	TO	953+30.00	WB	50.00	43.25		240.28				10			14		20					
RESURFACING AND FULL DEPTH																					
955+90.00	TO	956+40.00	EB	50.00	33.50	28.50	186.11	158.33		3	8	3	50	11	19	16	9				
955+90.00	TO	956+40.00	WB	50.00	33.50	28.50	186.11	158.33		3	8	3	50	11	19	16	9				
966+20.00	TO	966+70.00	EB	50.00	33.50	28.50	186.11	158.33		3	8	3	50	11	19	16	9				
966+20.00	TO	966+70.00	WB	50.00	33.50	28.50	186.11	158.33		3	8	3	50	11	19	16	9				
NORMAL SECTION																					
956+40.00	TO	966+20.00	EB	980.00		28.50		3,103.33		62		61			364		178				
956+40.00	TO	966+20.00	WB	980.00		28.50		3,103.33		62		61			364		178				
NORMAL FULL WIDTH																					
953+30.00	TO	953+82.97	EB	52.97		53.00		311.93		6		9	53		40		21		40		
953+30.00	TO	953+85.06	WB	55.06		53.00		324.24		6		10	55		42		22		41		
955+39.84	TO	955+90.00	EB	50.16		53.00		295.39		5		9	50		38		20		38		
955+41.94	TO	955+90.00	WB	48.06		53.00		283.02		5		8	48		37		19		36		
966+70.00	TO	967+19.63	EB	49.63		53.00		292.27		5		9	50		38		20		37		
966+70.00	TO	967+21.75	WB	51.75		53.00		304.75		6		9	52		39		21		39		
SUPERELEVATED FULL WIDTH																					
968+76.99	TO	969+30.00	EB	53.01		53.00		312.17		6		9			40		21		40		
968+79.15	TO	969+30.00	WB	50.85		53.00		299.45		6		9			39		21		38		
NORMAL APPROACH SLAB																					
953+82.97	TO	953+97.98	EB	15.01		62.50		104.24											11		
953+85.06	TO	954+00.07	WB	15.01		62.50		104.24	563.32										11		
955+24.83	TO	955+39.84	EB	15.01		62.50		104.24											11		
955+26.93	TO	955+41.94	WB	15.01		62.50		104.24	579.96										11		
967+19.63	TO	967+34.64	EB	15.01		62.50		104.24	596.50										11		
967+21.75	TO	967+36.76	WB	15.01		62.50		104.24											11		
SUPERELEVATED APPROACH SLAB																					
968+61.98	TO	968+76.99	EB	15.01		62.50		104.24	576.80										11		
968+64.14	TO	968+79.15	WB	15.01		62.50		104.24											11		
ENTIRE PROJECT LENGTH																					
953+30.00	TO	969+30.00	EB/WB	1,600.00					38,687.00	1											
									SUBTOTALS	181	51	206	509	72	1,117	103	557		397		
									TOTALS CARRIED TO GENERAL SUMMARY	181	257		509	1,849					397		

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3465 BRIARFIELD BLVD. SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
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-	-	-	-
-	-	-	-

DESIGNED	CHECKED
ADC	RJM
DRAWN	IN CHARGE
ADC	AEH

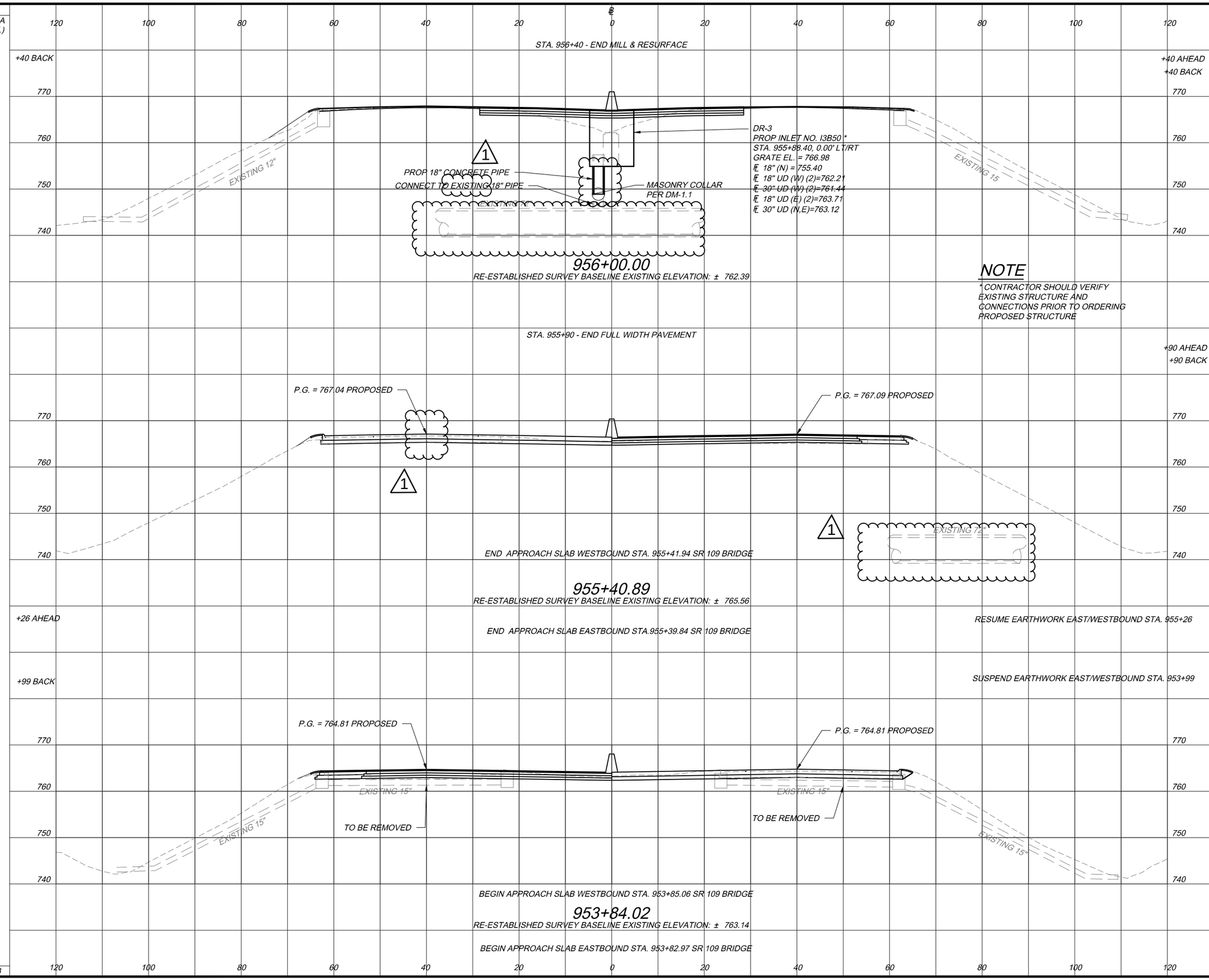
PAVEMENT SUBSUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_Subsummary_Pavement.dwg: 12/20/21 - 3:40pm

SEEDING END WIDTH	SEEDING AREA (S.Y.)		EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
14		+40 BACK				
			+40 AHEAD	33	27	
			+40 BACK	26	50	
	62				39	74
			26	50		
14					10	19
			+90 AHEAD	26	50	
			+90 BACK	73	8	
	59				133	15
4			73	8		
	7				40	4
4		+26 AHEAD	73	8		
1		+99 BACK	76	4		
	2				41	2
1			76	4		
	23				149	6
TOTAL	153		TOTAL		412	120



DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/22
-	-	-	-
-	-	-	-

DESIGNED	CHECKED	DRAWN	IN CHARGE
ADC	RJM	ADC	AEH

CROSS SECTIONS
STA. 953+84.02 TO STA. 956+00

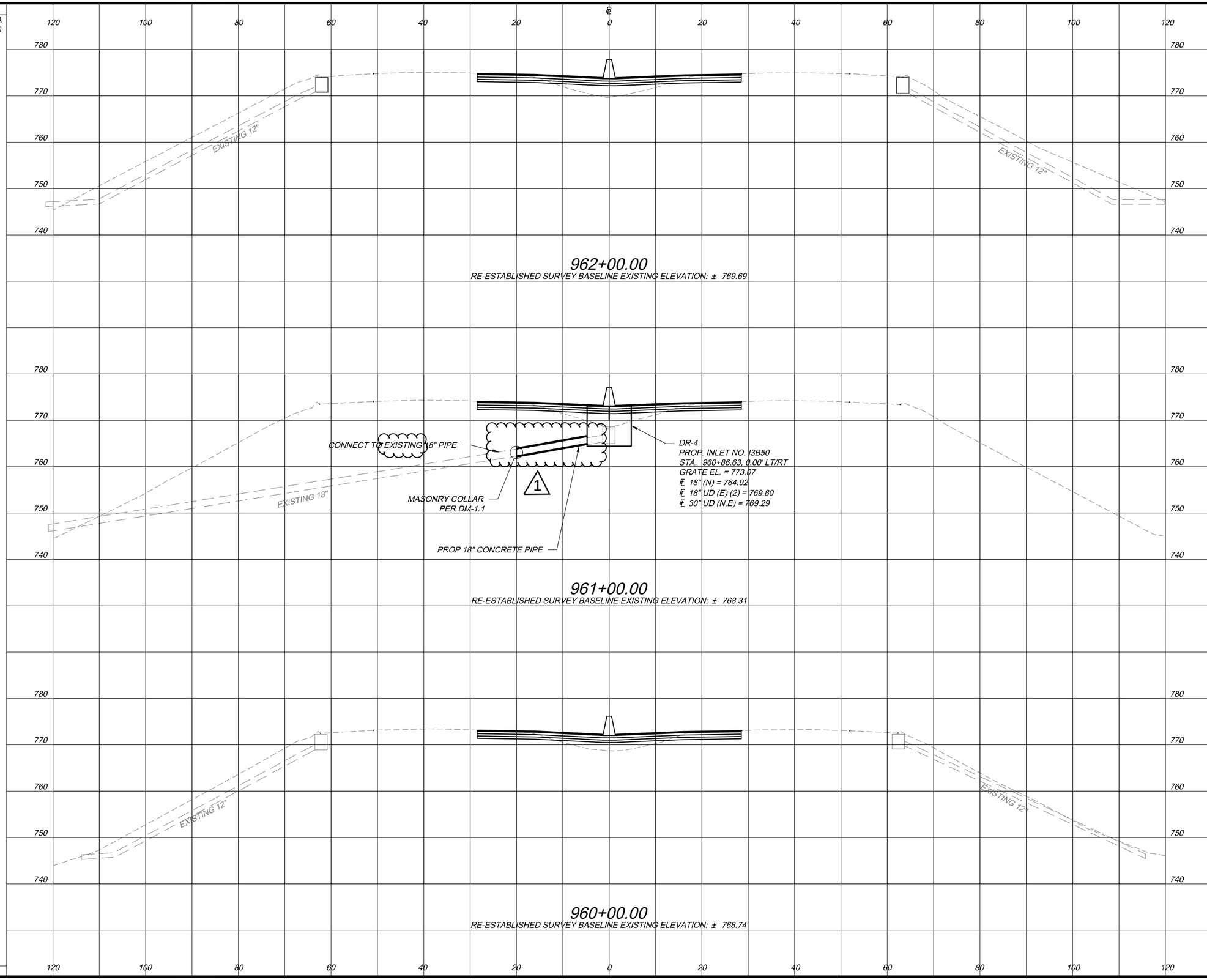
PROJECT 43-22-02
DATE: 11/20/20

54
143

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_Cross Sections.dwg: 12/22/21 - 9:49am

SEEDING END WIDTH	SEEDING AREA (S.Y.)	EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
0		29	36		
	0			109	133
0		30	36		
	0			111	117
0		30	27		
	0			107	113
TOTAL	0	TOTAL		327	363



DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/22
-	-	-	-
-	-	-	-

DESIGNED	CHECKED
ADC	RJM
DRAWN	IN CHARGE
ADC	AEH

CROSS SECTIONS
STA. 960+00 TO STA. 962+00

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_Cross Sections.dwg; 12/22/21 - 8:46am

EXISTING SIGN SUPPORTS AND FOUNDATIONS TO REMAIN

THE CONTRACTOR SHALL TAKE GREAT CARE TO NOT DAMAGE EXISTING SIGN SUPPORTS AND FOUNDATIONS TO REMAIN DURING CONSTRUCTION.

IF THE CHIEF ENGINEER HAS DETERMINED THAT THE EXISTING SIGN SUPPORT OR SIGN FOUNDATION HAS BEEN DAMAGED, THE CONTRACTOR SHALL REPLACE THE DAMAGED SIGN EQUIPMENT IN KIND, AS APPROVED BY THE CHIEF ENGINEER, AT THE CONTRACTORS COST.

ITEM 621 - RAISED PAVEMENT MARKERS

RESURFACING SECTION:

RAISED PAVEMENT MARKERS (RPMS) WILL BE REMOVED IN THE RESURFACING SECTION PRIOR TO PAVEMENT MILLING. NEW RPMS WILL BE INSTALLED IN ACCORDANCE WITH SP 621 WHERE RESURFACING/NEW PAVEMENT OCCURS. THE STATION LIMITS FOR NEW RPMS ARE:

EB & WB: STA. 952+80 TO STA. 969+30 = 1,650 FT.

MAINTENANCE OF TRAFFIC SECTION:

RAISED PAVEMENT MARKER REFLECTORS WILL BE REMOVED WITH THE MAINTANCE OF TRAFFIC (MOT) SECTION. THE RPM CASTING SHALL REMAIN IN PLACE. THE RPM REFLECTORS SHALL BE REINSTALLED WHEN THE PERMANENT PAVEMENT MARKINGS ARE INSTALLED (PRIOR TO PROJECT COMPLETION). THE MOT SECTION LIMITS ARE:

EB: STA. 929+25 TO STA. 952+80 = 2,355 FT.
EB: STA. 969+30 TO STA. 989+85 = 2,055 FT.
WB: STA. 932+25 TO STA. 952+80 = 2,055 FT.
WB: STA. 969+30 TO STA. 993+00 = 2,360 FT.

ITEM 626 - BARRIER REFLECTORS

BARRIER REFLECTORS SHALL BE INSTALLED ON NEW MEDIAN BARRIER IN ACCORDANCE WITH SP 626.

ITEM 642 - PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WITHIN THE MOT LIMITS AS FOLLOWS:

EB: STA. 929+25 TO STA. 989+85 = 6,060 FT.
WB: STA. 932+25 TO STA. 993+00 = 6,075 FT.

ADDITIONAL PAVEMENT MARKINGS

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE TRAFFIC CONTROL SUBSUMMARY AND ARE INCLUDED FOR USE AS DIRECTED BY THE ENGINEER FOR THE PURPOSED OF APPLYING PERMANENT PAVEMENT MARKINGS AND RPM'S WITHIN THE WORK LIMITS.

ITEM 642 EDGE LINE, 6" TYPE 1	0.5 MILE
ITEM 642 LANE LINE, 6" TYPE 1	0.25 MILE
ITEM 642 TRANSVERSE/DIAGONAL LINE, TYPE 1	50 FT
ITEM 621 RAISED PAVEMENT MARKED REMOVED	10 EACH
SP 621 RAISED PAVEMENT MARKER STIMSONITE MODEL 101 LPCR (WHITE)	10 EACH
SP 626 BARRIER REFLECTOR, TYPE B	12 EACH 1

ITEM SPECIAL - SONIC NAP ALERT PATTERN (SNAP)

THIS ITEM SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING TCR-13.

19172_TN01.dwg: 12/20/21 - 3:44pm

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	AC	12/20
-	-	-	-
-	-	-	-

DESIGNED AMW
CHECKED CML
DRAWN AMW
IN CHARGE AEH

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD. SUITE E
MAUMEE, OH 43537

TRAFFIC CONTROL
GENERAL NOTES

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

REFERENCE NUMBER	SHEET NUMBER	STATION TO STATION			642 EDGE LINE, 6", TYPE 1	642 LANE LINE, 6", TYPE 1	642 TRANSVERSE/DIAGONAL LINE, TYPE 1	SP 621 RAISED PAVEMENT MARKERS	621 RAISED PAVEMENT MARKER REMOVED	621 RPM, MISC.: REFLECTOR REMOVED	621 RPM REFLECTOR	SPECIAL SONIC NAP ALERT PATTERN (SNAP)	SP 626 BARRIER REFLECTOR, TYPE A (1)	SP 626 BARRIER REFLECTOR, TYPE B (1)
					MILE	MILE	FT	EACH	EACH	EACH	EACH	FT	EACH	EACH
			TO											
EASTBOUND OHIO TURNPIKE														
SNAP-1	78	929+25.00		949+00.00								3,950		
EW-1	78	929+25.00		949+00.00	0.40									
L-1	78	929+25.00		949+00.00	0.40									
EY-1	78	929+25.00		949+00.00		0.40								
RPM-1	78	929+25.00		949+00.00						25	25			
SNAP-3	79	949+00.00		973+00.00								4,800		
EW-3	79	949+00.00		973+00.00	0.50									
L-3	79	949+00.00		973+00.00	0.50									
EY-3	79	949+00.00		973+00.00		0.50								
RPM-3	79	949+00.00		973+00.00				20	20	10	10			
TV-1	79	953+30.00		969+30.00			442							
BR-1	79	953+30.00		969+30.00									18	
SNAP-5	80	973+00.00		989+85.00								3,370		
EW-5	80	973+00.00		989+85.00	0.30									
L-5	80	973+00.00		989+85.00	0.30									
EY-5	80	973+00.00		989+85.00		0.30								
RPM-5	80	973+00.00		989+85.00						21	21			
WESTBOUND OHIO TURNPIKE														
SNAP-2	78	932+25.00		949+00.00								3,350		
EW-2	78	932+25.00		949+00.00	0.30									
L-2	78	932+25.00		949+00.00	0.30									
EY-2	78	932+25.00		949+00.00		0.30								
RPM-2	78	932+25.00		949+00.00						21	21			
SNAP-4	79	949+00.00		973+00.00								4,800		
EW-4	79	949+00.00		973+00.00	0.50									
L-4	79	949+00.00		973+00.00	0.50									
EY-4	79	949+00.00		973+00.00		0.50								
RPM-4	79	949+00.00		973+00.00				20	20	10	10			
TV-2	79	953+30.00		969+30.00			442							
BR-2	79	953+30.00		969+30.00									18	
SNAP-6	80	973+00.00		993+00.00								4,000		
EW-6	80	973+00.00		993+00.00	0.40									
L-6	80	973+00.00		993+00.00	0.40									
EY-6	80	973+00.00		993+00.00		0.40								
RPM-6	80	973+00.00		993+00.00						25	25			
NOTES	74				0.50	0.25	50	10	10					12 (1)
TOTALS CARRIED TO GENERAL SUMMARY					5.30	2.65	934	50	50	112	112	24,270	36 (1)	12

DESIGN AGENCY
DGL CONSULTING ENGINEERS, LLC
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537

REVISIONS			BY	DATE
NO.				
1	ADDENDUM NO. 1		AC	12/20
-	-	-	-	-
-	-	-	-	-

DESIGNED CML
DRAWN CML
CHECKED LLA
IN CHARGE AEH

TRAFFIC CONTROL SUBSUMMARY

PROJECT 43-22-02
DATE: 11/20/20

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

19172_TS01.dwg: 12/20/21 - 3:45pm