

LEGEND

- | | |
|---|---|
| ① ITEM 202 - CURB REMOVED | (A) EX. 1.25" ASPHALT CONCRETE SURFACE COURSE |
| ② ITEM 202 - GUARDRAIL REMOVED | (B) EX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE |
| ③ ITEM 202 - CONCRETE SLOPE PROTECTION REMOVED | (C) EX. 10" REINFORCED PCC PAVEMENT |
| ④ ITEM 202 - PAVEMENT REMOVED | (D) EX. 6" SUBBASE |
| ⑤ ITEM 503 - UNCLASSIFIED EXCAVATION | (E) EX. PREFABRICATED UNDERDRAIN |
| ⑥ ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS | (F) EX. 6" UNDERDRAIN |
| ⑦ ITEM 304 - 6" AGGREGATE BASE | (G) EX. 4" CONCRETE ENCASED CONDUIT |
| ⑧ ITEM 204 - SUBGRADE COMPACTION | (H) EX. 6" AGGREGATE BASE |
| ⑨ ITEM 622 - CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN | (J) EX. 3" ASPHALT CONCRETE BASE |
| ⑩ ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN | (K) EX. CONCRETE SLOPE PROTECTION |
| ⑪ ITEM 611 - INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D | (L) EX. CURB |
| ⑫ ITEM 601 - CONCRETE SLOPE PROTECTION | |

 REMOVAL LIMITS

ESTIMATED QUANTITIES

ITEM 202 - CURB REMOVED	79 FEET
ITEM 202 - GUARDRAIL REMOVED	262.5 FEET
ITEM 202 - PAVEMENT REMOVED	18 SQ YD
ITEM 503 - UNCLASSIFIED EXCAVATION	LUMP
ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	3.8 CY
ITEM 304 - 6" AGGREGATE BASE	6.8 CY
ITEM 204 - SUBGRADE COMPACTION	42 SY

ITEM 622 - CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING AN END SECTION FOR CONCRETE BARRIER, TYPE D IN ACCORDANCE WITH ITEM 622 OF THE CMS AND STANDARD CONSTRUCTION DRAWING RM-4.6, EXCEPT AS MODIFIED HEREIN.

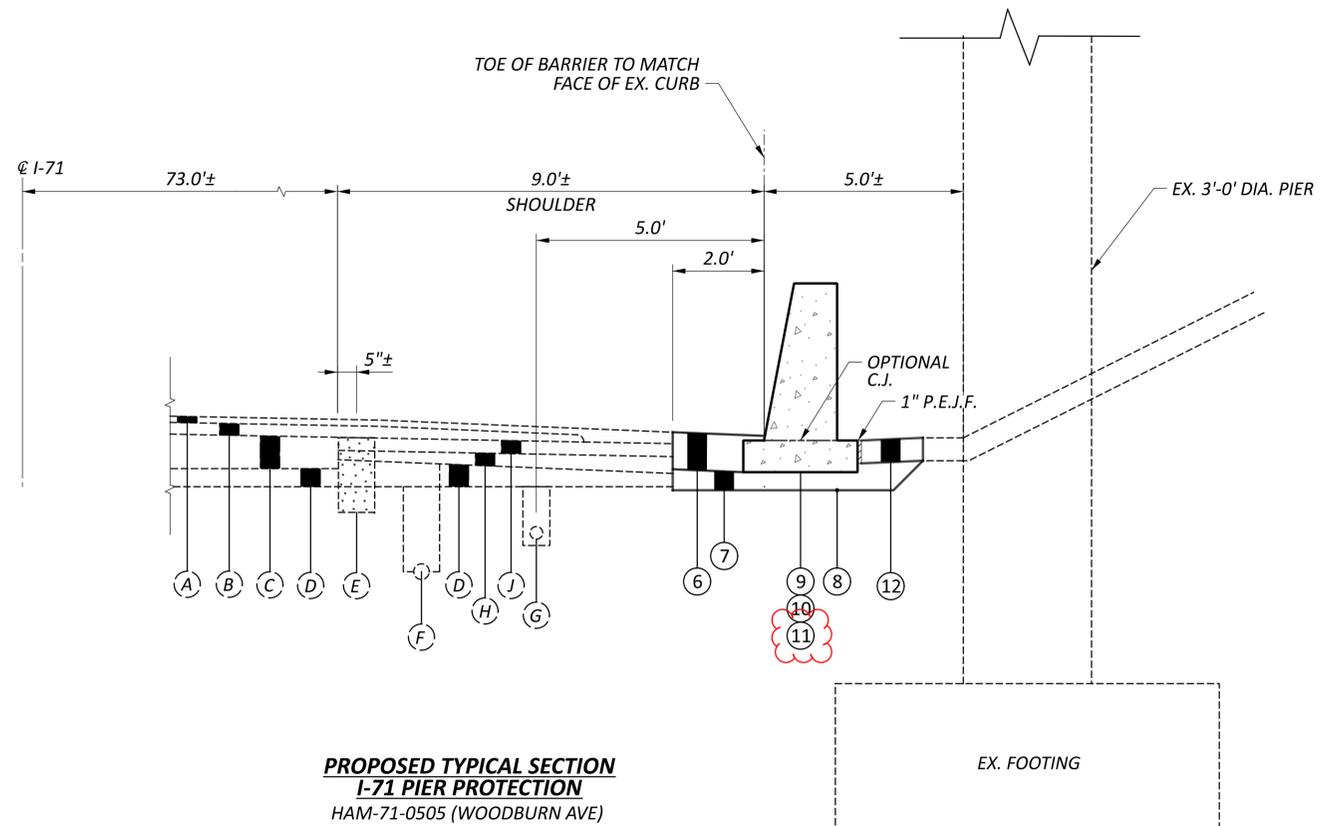
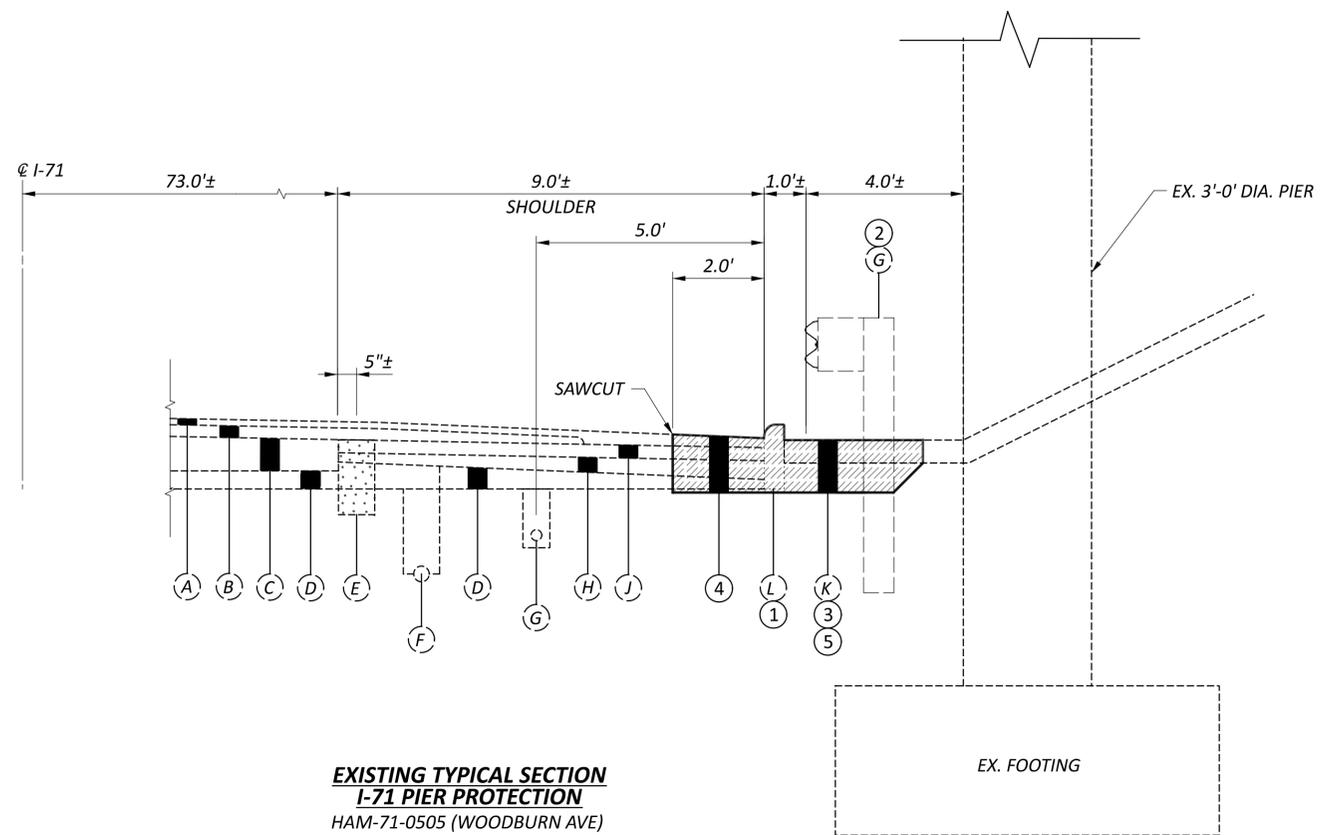
THE CONTRACTOR SHALL INSTALL A 5-FOOT LONG SECTION OF 42-INCH TALL CONCRETE BARRIER IMMEDIATELY ADJACENT TO THE TYPE D END ANCHORAGE. THIS SECTION SHALL MATCH THE FACE GEOMETRY AND REINFORCEMENT AS PROVIDED IN SECTION M-M IN S.C.D. RM-4.6.

ALL MATERIALS, REINFORCEMENT, AND INSTALLATION PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF RM-4.6 AND ITEM 622. ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE WORK, INCLUDING THE ADDITIONAL 5-FOOT SECTION OF 42" TALL BARRIER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 622 - CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN.

ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING AN END ANCHORAGE FOR REINFORCED TYPE D SINGLE SLOPE CONCRETE BARRIER IN ACCORDANCE WITH ITEM 622 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWING RM-4.5, EXCEPT AS MODIFIED HEREIN.

IN ADDITION TO THE STANDARD REQUIREMENTS, THE CONTRACTOR SHALL CONSTRUCT A 30-INCH WIDE BY 7-INCH THICK CONCRETE FOOTER BASE BENEATH THE BARRIER. REINFORCEMENT WITHIN THE FOOTER SHALL BE AS SHOWN IN RM-4.5. ALL LABOR, MATERIALS, EXCAVATION, BACKFILL, FORMWORK, REINFORCEMENT, AND CONCRETE NECESSARY TO CONSTRUCT THE BARRIER AND THE ADDITIONAL FOOTER BASE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN.



DESIGN AGENCY



DESIGNER
GTF

REVIEWER
JDO 11/15/25

PROJECT ID
105220

SHEET TOTAL
2 20

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

SHANE ERHART
DUKE ENERGY CORP. (ELECTRIC)
139 EAST 4TH ST, ROOM 467A
CINCINNATI, OH 45202
PHONE: 513-508-9609

ODOT ITS LAB
1606 W BROAD STREET
COLUMBUS, OH 43223
614-387-4113
CEN.ITS.LAB@DOT.OHIO.GOV

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES IN VIOLATION OF LOCAL NOISE ORDINANCES. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

CLEARING AND GRUBBING

REMOVE TREES AND ALL VEGETATION WITHIN 20 FEET OF STRUCTURE HAM 71-0505. SEE SITE PLAN FOR REMOVAL LIMITS. REMOVE TREES AND VEGETATION NECESSARY FOR THE COMPLETION OF THE INTELLIGENT TRANSPORTATION SYSTEM (ITS) FIBER RELOCATION WORK. A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONSTRUCTION LAYOUT STAKES AND SURVEYING

PRIOR TO THE START OF ROADWAY OPERATIONS, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFERENCED IN 1000' INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMI-PERMANENT CONDITION

ASBESTOS ABATEMENT

AN ASBESTOS SURVEY FOR SFN 3114600 SCHEDULED FOR RENOVATION WORK WAS CONDUCTED BY A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST. THE ASBESTOS SURVEY DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS.

ELECTRONIC SUBMISSION:

THE CONTRACTOR SHALL SUBMIT ELECTRONICALLY TO OEPA A COMPLETED NOTIFICATION OF DEMOLITION & RENOVATION FORM (NDRF) AND APPLICABLE FEES ALONG WITH THE ASBESTOS SURVEY REPORT. THE COMPLETED NDRF MUST BE SUBMITTED TO OEPA AT LEAST 10 DAYS PRIOR TO ANY DEMOLITION AND RENOVATION ACTIVITY. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AN ELECTRONIC COPY OF THE NDRF (IN PDF FORM) FOR SUBMISSION TO THE DISTRICT ENVIRONMENTAL STAFF AND ONE HARD COPY TO THE PROJECT ENGINEER.

(GO TO THE OEPA EBUSINESS CENTER AND SUBMIT THE NDRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT)

HARD COPY SUBMISSION:

THE CONTRACTOR MAY ELECT TO SUBMIT A HARD COPY OF THE COMPLETED NDRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT TO THE FOLLOWING:

ASBESTOS PROGRAM
OHIO EPA, DAPC
P.O. BOX 1049
COLUMBUS, OHIO 43216-1049

OR

ASBESTOS PROGRAM
OHIO EPA, DAPC
50 W TOWN ST, SUITE 700
COLUMBUS, OHIO 43215

IF THE CONTRACTOR ELECTS TO SUBMIT A HARD COPY TO OEPA THEY ARE RESPONSIBLE FOR RETAINING A HARD COPY OF THE NDRF FOR SUBMISSION TO THE DISTRICT ENVIRONMENTAL STAFF AND A HARD COPY TO THE PROJECT ENGINEER.

DEMOLITION DEBRIS

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT DEMOLITION DEBRIS FROM FALLING ONTO TRAFFIC LANES. ANY MATERIAL THAT DOES FALL ONTO TRAFFIC LANES SHALL BE IMMEDIATELY REMOVED AT THE CONTRACTOR'S EXPENSE. DAMAGE TO PROPERTY AS A RESULT OF FALLING DEMOLITION DEBRIS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

WHILE SEALING OR PAINTING ANY PORTION OF THE BRIDGE STRUCTURES, AN APPROPRIATE APRON WILL BE UTILIZED TO PREVENT DEBRIS, OVER SPRAY, AND SEALANTS FROM AFFECTING VEHICULAR/PEDESTRIAN TRAFFIC AND/OR PROTECTED AREAS.

MASONRY COLLAR

WHENEVER A PROPOSED CONDUIT IS TO BE CONNECTED TO AN EXISTING CONDUIT, THE EXISTING CONDUIT SHOULD BE REMOVED TO A MANUFACTURED JOINT. THE PROPOSED CONDUIT SHOULD MATCH THE EXISTING CONDUIT MATERIAL. CONNECT THE TWO CONDUITS AT BELL AND SPIGOT JOINTS. THE MASONRY COLLAR PER DM-1.1 SHOULD ENCASE THE JOINT TO ENSURE A STABLE CONNECTION.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	134 CU. YD.
659, SEEDING AND MULCHING	1210 SQ. YD.
659, REPAIR SEEDING AND MULCHING	61 SQ. YD.
659, COMMERCIAL FERTILIZER	0.16 TON
659, LIME	0.25 ACRES
659, WATER	6.7 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF CONSTRUCTION, M.O.T. OPERATIONS, AND/OR RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS.

PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

CITY OF CINCINNATI NOTES

CONSTRUCTION NOTIFICATION:
TEN BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING THE PROJECT ENGINEER WILL NOTIFY THE CITY OF CINCINNATI LPA COORDINATOR OF THE PRECONSTRUCTION MEETING'S DATE, TIME, AND LOCATION. CONTACT CITY OF CINCINNATI, DEPARTMENT OF TRANSPORTATION AND ENGINEERING, DIRECTOR'S OFFICE, AT (513) 352-2366, ATTENTION: CHRIS KELLY AT (513) 352-3721 OR BY EMAIL AT CHRIS.KELLY@CINCINNATI-OH.GOV.

PERMITS:
A CITY OF CINCINNATI DEPARTMENT OF TRANSPORTATION AND ENGINEERING (DOTE) PERMIT IS REQUIRED PRIOR TO THE ODOT CONTRACTOR COMMENCING WORK IN THE CITY OF CINCINNATI'S PUBLIC RIGHT-OF-WAY. PERMIT APPLICATIONS FOR STREET USE, STREET BARRICADE, STREET OPENING, ETC. MAY BE MADE AT ROOM 425, CITY HALL, 801 PLUM STREET CINCINNATI, OHIO 45202. CITY ISSUED PERMITS MAY REQUIRE MAJOR EVENT WORK RESTRICTIONS ON THE CONTRACTOR'S ACTIVITIES. THE CITY MAINTAINS A LIST OF KNOWN MAJOR EVENTS AT THE FOLLOWING WEBSITE:

[HTTP://CINCINNATI-OH.GOV/POLICE/SPECIAL-EVENTS-REGULATIONS-AUCTIONS/EVENT-PERMITS/](http://cincinnati-oh.gov/police/special-events-regulations-auctions/event-permits/)

THE CITY OF CINCINNATI RESTRICTS NIGHTTIME CONSTRUCTION WORK BETWEEN THE HOURS OF 11:00 P.M. AND 7:00 A.M. CITY ISSUED PERMITS WILL REQUIRE THE CONTRACTOR TO SECURE THE CITY ENGINEERS APPROVAL FOR NIGHTTIME WORK.

DESIGN AGENCY



DESIGNER

GTF

REVIEWER

JDO 11/15/25

PROJECT ID

105220

SHEET

TOTAL

3 | 20

SHEET NUMBER											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
2	3	4	5	8	9	15					01/IMS	EXT	TOTAL				
18											LUMP	201	11000	LS		ROADWAY	
79											18	202	23000	18	SY	CLEARING AND GRUBBING	
											79	202	32000	79	FT	PAVEMENT REMOVED	
						25					25	202	35100	25	FT	CURB REMOVED	
262.5											262.5	202	38000	262.5	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
																GUARDRAIL REMOVED	
						1					1	202	42010	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
						1					1	202	42040	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
						2					2	202	58100	2	EACH	CATCH BASIN REMOVED	
						80					80	203	10000	80	CY	EXCAVATION	
42											42	204	10000	42	SY	SUBGRADE COMPACTION	
LUMP											LUMP	503	21300	LS		UNCLASSIFIED EXCAVATION	
						237.5					237.5	606	15050	237.5	FT	GUARDRAIL, TYPE MGS	
						1					1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
						1					1	606	35002	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
						1					1	606	17500	1	EACH	POST END ANCHOR (OR CONCRETE BLOCK END ANCHOR)	
						124.04					124.04	606	98000	124.04	FT	GUARDRAIL, MISC.: MGS GUARDRAIL, BURIED IN BACKSLOPE	
																EROSION CONTROL	
	134										134	659	00300	134	CY	TOPSOIL	
	1,210										1,210	659	10000	1,210	SY	SEEDING AND MULCHING	
	61										61	659	14000	61	SY	REPAIR SEEDING AND MULCHING	
	0.16										0.16	659	20000	0.16	TON	COMMERCIAL FERTILIZER	
	0.25										0.25	659	31000	0.25	ACRE	LIME	
	6.7										6.7	659	35000	6.7	MGAL	WATER	
	5,000										5,000	832	30000	5,000	EACH	EROSION CONTROL	
																DRAINAGE	
											30	611	00510	30	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
											25	611	05900	25	FT	15" CONDUIT, TYPE B	
											2	611	99114	2	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
											5	602	20000	5	CY	CONCRETE MASONRY	
																PAVEMENT	
9.5											9.5	304	20000	9.5	CY	AGGREGATE BASE, 6"	
3.8											3.8	452	14050	3.8	SY	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	
																TRAFFIC SURVEILLANCE	
						520					520	625	29011	520	FT	TRENCH, 30" DEEP, AS PER PLAN	
						9					9	625	31600	9	EACH	PULL BOX, MISC.: REUSE EXISTING PULL BOX	
						520					520	625	36010	520	FT	UNDERGROUND WARNING MARKING TAPE	
						3,560					3,560	804	15030	3,560	FT	FIBER OPTIC CABLE, 72 FIBER	
						1					1	809	01900	1	EACH	ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, TYPE 1	
						520					520	809	24500	520	FT	CONDUIT, 4", MULTICELL, HDPE WITH 4 - 1" INNERDUCTS	
						520					520	809	10000	520	FT	TRACER WIRE	
						LUMP					LUMP	809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION	
																TRAFFIC CONTROL	
						3					3	626	00102	3	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
						16					16	626	00116	16	EACH	BARRIER REFLECTOR, TYPE 5 (ONE-WAY)	
											0.12	642	00200	0.12	MILE	LANE LINE, 4", TYPE 1	
											0.06	642	00300	0.06	MILE	CENTER LINE, TYPE 1	
																STRUCTURE REPAIR (HAM-71-0505 SFN 3114600)	
																SEE SHEET 14	
																MAINTENANCE OF TRAFFIC	
			250								250	614	11110	250	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		3									3	614	12384	3	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS (BI-DIRECTIONAL)	
		12									12	614	13350	12	EACH	OBJECT MARKER, ONE WAY (BI-DIRECTIONAL)	
		12									12	614	13310	12	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
		660									660	622	41100	660	FT	PORTABLE BARRIER, UNANCHORED	
																INCIDENTALS	
											LS	614	11000	LS		MAINTAINING TRAFFIC	
											LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	
											LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 BCP
 REVIEWER
 GTF 11/15/25
 PROJECT ID
 105220
 SHEET TOTAL
 6 20

ESTIMATED QUANTITIES - STRUCTURE No.: HAM-71-0505 (SFN 3114600)									
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET #
202	11203	LUMP	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	13
202	32800	40	SY	CONCRETE SLOPE PROTECTION REMOVED				40	
512	73500	1587	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN			1587		
512	10001	1321	SY	SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)	197	444	680		13
512	10050	468	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)			468		
512	74000	1789	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	197	444	1148		
514	00050	42042	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			42042		
514	00056	42042	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			42042		
514	00060	42042	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			42042		
514	00066	42042	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			42042		
514	00504	5	MNHR	GRINDING FINS, TEARS, AND SLIVERS IN EXISTING STRUCTURAL STEEL				5	
514	10000	10	EACH	FINAL INSPECTION REPAIR			10		
516	01300	100	FT	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS			100		
516	12310	997	LB	SIDEWALK COVER PLATE			997		
518	43300	55	FT	6" PIPE DOWNSPOUT, INCLUDING SPECIALS		55			20
601	21000	40	SY	CONCRETE SLOPE PROTECTION				40	
607	98000	1029	FT	FENCE, MISC.: VANDAL PROTECTION FENCE REBUILT			1029		13
519	11101	1155	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	220	137	798		13
SPECIAL	519E00100	112	SF	SPECIAL - COMPOSITE FIBER WRAP SYSTEM (PROPOSAL NOTE 519)		112			
622	25001	1	EACH	CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN		1			2
622	25051	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN		1			2
SPECIAL	690E98600	10	HOUR	SPECIAL - MISC.: DRAINAGE SYSTEM CLEANING, 36" AND UNDER				10	13
844	20000	199	EACH	GALVANIC ANODE PROTECTION	149	50			

