

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS"ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN LOADING

HAM-71-0226 & HAM-71-0294:
SUPERSTRUCTURE AND SUBSTRUCTURE: HS-20-44 (FROM EXISTING PLANS
ELASTOMERIC BEARINGS: HL-93 AND 0.060 KIPS FUTURE WEARING SURFACE

HAM-71-0344:
SUPERSTRUCTURE AND SUBSTRUCTURE: H20 (FROM EXISTING PLANS
ELASTOMERIC BEARINGS: HL-93 AND 0.060 KIPS FUTURE WEARING SURFACE

DESIGN DATA:

CONCRETE CLASS QC1 (FOR CURB REPAIR) - COMPRESSIVE STRENGTH 4.0 KSI

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI (ELASTOMERIC BEARINGS)

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN:
THIS ITEM SHALL BE LIMITED TO WITHIN 20' OF BRIDGE, WITHIN THE R/W. THE BRIDGE FOR HAM-71-0294 SHALL INCLUDE THE ITS POLE (CAMERA) AREA.

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, 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.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN:

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION, STEEL DEFLECTORS AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS. DO NOT BEGIN WORK UNTIL THE ENGINEER ACCEPTS THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING CONCRETE REINFORCEMENT TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE REINFORCEMENT THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

ITEM 202 - WALK REMOVED, AS PER PLAN: CARE SHALL BE TAKEN WHEN WALK REMOVAL OCCURS AROUND UTILITY ACCESS OPENINGS. REMOVE CONCRETE WITHOUT DAMAGING THE UTILITY ACCESS COVER AND FRAMING. UTILITY COVER AND FRAMING ARE TO BE REUSED, THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PREFORM THE WORK.

ITEM 202 - REMOVAL MISC.: SIGN SUPPORT ATTACHMENTS, ELECTRICAL CONDUIT AND SUPPORTS: ON THE MCGREGOR STREET BRIDGE OVER I-71. REMOVE THE REMAINING SIGN SUPPORTS OVER THE NORTHBOUND LANES. ALSO REMOVE ALL ELECTRICAL CONDUITS ON THE FORMER SIGN. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ITEM 202 - REMOVAL MISC.: UTILITY CONDUITS, ON THE MCGREGOR STREET BRIDGE OVER I-71, REMOVE ABANDONED CONDUITS (2) WITH ASBESTOS. ALSO REMOVE DEBRIS AND CLEAN CONDUIT HOLES IN ABUTMENT BACKWALLS, AND FILL HOLES WITH GROUT. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER PLAN:
SHALL INCLUDE THE REWELDING OF END CROSSFRAME LEGS TO CONNECTION PLATES AS SHOWN IN THE PLANS. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE WORK.

ITEM 514 - FIELD PAINTING OF STRUCTURAL STEEL (OZEU):
COLOR SHALL BE GREEN, FEDERAL COLOR SAE- AMS- STD 595 COLOR 24227 AT ELSINORE PLACE. THE COLOR SHALL BE "BLUE ANGELS BLUE" FEDERAL COLOR SAE- AMS- STD 595 COLOR 15050 AT MCGREGOR AVENUE AND OAK STREET.

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPER-STRUCTURE, AS PER PLAN:
THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO RESET OR REPLACE BEARINGS AND TO PATCH CONCRETE SUBSTRUCTURE TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.

SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05.

IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH CMS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 518 - STRUCTURE DRAINAGE MISC.: SCUPPER AND DRAINAGE PIPE CLEANOUT:

THIS WORK SHALL CONSIST OF THE REMOVAL OF SEDIMENT AND DEBRIS FROM EXISTING SCUPPERS AND STRUCTURE DRAINAGE PIPES NOT BEING REPLACED. THE DRAINAGE SYSTEM IS TO BE CLEANED TO THE FIRST MANHOLE. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER. CLEANOUT OF THE PIPE IS PAID FOR AT THE LUMP SUM PRICE BID FOR ITEM 518, STRUCTURE DRAINAGE MISC.: SCUPPER AND DRAINAGE PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

ITEM 518 - STRUCTURE DRAINAGE MISC.: BRIDGE DRAINAGE SYSTEM REPLACEMENT:

EXISTING DRAINAGE DOWNSPOUTS SHALL BE REMOVED 6" ABOVE THE CONCRETE BARRIER. THE PROPOSED PIPE SHALL BE 6" GALVANIZED STEEL (CMS 748.06) OR 6" PLASTIC PIPE (CMS 707.45) PAINTED GRAY, FEDERAL COLOR NUMBER 26622. JOINTS IN THE PROPOSED SYSTEM SHALL BE MADE BY WELDING OR A CLAMP TYPE COUPLING WITH A RING GASKET. CONTRACTOR MAY REUSE THE EXISTING SUPPORTS WHERE POSSIBLE. PROPOSED STRAPS OR CLAMPS FOR ATTACHING THE DOWNSPOUTS SHALL BE HOT DIPPED GALVANIZED STEEL. ON BOLTS, GALVANIZING AS CALLED FOR IN SEC M-10.30 WILL BE CONSIDERED SUFFICIENT. CONFIGURATION OF BRIDGE DRAINAGE SYSTEM SHALL BE AS DETAILED IN THE PLANS AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE WORK. PAYMENT SHALL BE PRICED PER LUMP SUM.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN:
PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING. PATCHING AREAS SHOWN IN THE PLANS WERE DETERMINED AT TIME OF INSPECTION AND ARE THEREFORE APPROXIMATE. THE QUANTITIES HAVE BEEN INCREASE 50% TO ACCOUNT FOR ANY FURTHER DETERIORATION WHICH MAY HAVE OCCURED.

ITEM 519 - PATCHING CONCRETE BRIDGE DECKS - TYPE B:
THIS ITEM SHALL COMPLY WITH PROPOSAL NOTE 512, METHOD B AND SHALL INCLUDE THE CONTIGUOUS UNSOUND AREAS. AREAS THAT ARE UNSOUND BUT NOT SPALLED IMMEDIATELY CONTIGUOUS TO SPALLED AREAS SHALL REMAIN.

EXISTING STRUCTURE VERIFICATION:
DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05, 105.02 AND 513.04. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ASBESTOS ABATEMENT - HAM-71-0294
A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST INSPECTED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLITION AND/OR REHABILITATION; THE ASBESTOS INSPECTION DETERMINED THAT 616 LF OF ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE HAM-71-0294 (SFN: 3114236) IN EXCESS OF THE ALLOWABLE REGULATORY LIMITS AND REQUIRES ABATEMENT. THE DISTRICT ENVIRONMENTAL COORDINATOR OR PROJECT ENGINEER SHALL MAKE THE ASBESTOS INSPECTION REPORT AVAILABLE TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING AND THEY SHALL SUBMIT THE NOTIFICATION OF DEMOLITION & RENOVATION FORM AND APPLICABLE FEES 10 DAYS PRIOR TO CONSTRUCTION, WHICH CONTAINS THE QUANTITIES AND LOCATIONS OF THE ASBESTOS CONTAINING MATERIALS.

THE CONTRACTOR SHALL ENSURE THAT THE ABATEMENT, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL IS CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL ENSURE THAT ALL DOCUMENTATION RELATED TO THE ABATEMENT, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS IS SUBMITTED TO THE PROJECT ENGINEER OR DISTRICT ENVIRONMENTAL COORDINATOR FOR RECORD KEEPING WITHIN 2 WEEKS OF COMPLETION.

BASIS OF PAYMENT:

THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY ABATE, TRANSPORT, AND DISPOSE OF ASBESTOS CONTAINING MATERIALS IN A LANDFILL LICENSED BY THE LOCAL HEALTH DEPARTMENT AND PERMITTED BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY - DIVISION OF AIR POLLUTION CONTROL TO ACCEPT ASBESTOS CONTAINING MATERIAL. PAYMENT FOR THIS WORK SHALL BE MADE AT THE BID PRICE OF LUMP SUM.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

690E71000 ASBESTOS ABATEMENT: WORK INVOLVING ASBESTOS CONTAINING MATERIALS - LUMP SUM

ITEM 530 SPECIAL - STRUCTURES: SIDEWALK JOINT REPAIR:
THIS WORK SHALL CONSIST OF REMOVING AND REPLACING THE EXISTING 1/2" X 1" BAR ON THE SIDEWALK JOINT AS INDICATED IN THE PLANS ON SHEET P.15/35 THE EXISTING BAR SHALL BE REMOVED AND THE SURFACE OF THE EXISTING JOINT ARMOR SHALL PREPARED BY REMOVING LACQUER, DIRT, OIL, LOOSE SCALE, RUST BURRS, PITS, AND OTHER SUBSTANCES OR DEFECTS THAT PREVENT SOLID SEATING OF THE PROPOSED BAR. WELD THE PROPOSED BAR IN PLACE PER C&MS 513.21. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ABBREVIATIONS

- | | |
|------------|------------------------------------|
| ABUT. | - ABUTMENT |
| APPR. | - APPROACH |
| BRG. | - BEARING |
| BOT. | - BOTTOM |
| CONST. JT. | - CONSTRUCTION JOINT |
| CLR. | - CLEAR |
| CONST. | - CONSTRUCTION |
| CORR. | - CORRUGATED |
| DIA. | - DIAMETER |
| DIM. | - DIMENSION |
| DWG. | - DRAWING |
| EL. | - ELEVATION |
| E.F. | - EACH FACE |
| EXIST. | - EXISTING |
| F.A. | - FORWARD ABUTMENT |
| FWD. | - FORWARD |
| F.F. | - FRONT FACE |
| FT. | - FEET |
| LBS. | - POUNDS |
| MAX. | - MAXIMUM |
| MEAS. | - MEASURED |
| MIN. | - MINIMUM |
| OPT. | - OPTIONAL |
| P.E.J.F. | - PREFORMED EXPANSION JOINT FILLER |
| R.A. | - REAR ABUTMENT |
| R.F. | - REAR FACE |
| REQ'D. | - REQUIRED |
| SPA. | - SPACING |
| STA. | - STATION |
| T.O.S. | - TOP OF SLOPE |
| TYP. | - TYPICAL |
| U.O.N. | - UNLESS OTHERWISE NOTED |
| VAR. | - VARIES |
| W/ | - WITH |

ASBESTOS ABATEMENT - HAM-71-0344

A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST INSPECTED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLITION AND/OR REHABILITATION; THE ASBESTOS INSPECTION DETERMINED THAT 2480 LF OF ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE HAM-71-0344 (SFN: 3114368) IN EXCESS OF THE ALLOWABLE REGULATORY LIMITS AND REQUIRES ABATEMENT. THE DISTRICT ENVIRONMENTAL COORDINATOR OR PROJECT ENGINEER SHALL MAKE THE ASBESTOS INSPECTION REPORT AVAILABLE TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING AND THEY SHALL SUBMIT THE NOTIFICATION OF DEMOLITION & RENOVATION FORM AND APPLICABLE FEES 10 DAYS PRIOR TO CONSTRUCTION, WHICH CONTAINS THE QUANTITIES AND LOCATIONS OF THE ASBESTOS CONTAINING MATERIALS.

THE CONTRACTOR SHALL ENSURE THAT THE ABATEMENT, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL IS CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL ENSURE THAT ALL DOCUMENTATION RELATED TO THE ABATEMENT, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS IS SUBMITTED TO THE PROJECT ENGINEER OR DISTRICT ENVIRONMENTAL COORDINATOR FOR RECORD KEEPING WITHIN 2 WEEKS OF COMPLETION.

BASIS OF PAYMENT:

THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY ABATE, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS IN A LANDFILL LICENSED BY THE LOCAL HEALTH DEPARTMENT AND PERMITTED BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY - DIVISION OF AIR POLLUTION CONTROL TO ACCEPT ASBESTOS CONTAINING MATERIAL. PAYMENT FOR THIS WORK SHALL BE MADE AT THE BID PRICE OF LUMP SUM.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

690E71000 ASBESTOS ABATEMENT: WORK INVOLVING ASBESTOS CONTAINING MATERIALS - LUMP SUM

GENERAL NOTES

BRIDGE NO. HAM-71-0226, HAM-71-0294 AND HAM-71-0344
ELSNORE PLACE, MCGREGOR AVE. AND OAK STREET OVER I-71

SFN

VARIES

DESIGN AGENCY

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DESIGNER
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CHECKER
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REVIEWER

SDS 01-15-26

PROJECT ID
110110

SUBSET TOTAL
1 5

SHEET TOTAL
P.13 35

												CALC:	HK	DATE:	8/22/2023	
												CHECKED:	TAC	DATE:	2/21/2024	
ESTIMATED QUANTITIES 01/IMS FUNDING																
ITEM	EXTENSION	TOTAL SFN: 3106721	TOTAL SFN: 3114236	TOTAL SFN: 3114368	UNIT	DESCRIPTION	SFN: 3106721			SFN: 3114236			SFN: 3114368			SEE SHEET
							ABUT.	PIER	SUPER.	ABUT.	PIER	SUPER.	ABUT.	PIER	SUPER.	
201	11001	LS	LS	LS		CLEARING AND GRUBBING, AS PER PLAN			LS			LS			LS	P.13/35
202	11201		LS	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN						LS			LS	P.13/35
202	30001	150	213	661	SF	WALK REMOVED, AS PER PLAN			150			213			661	P.18, 24, 28/35
202	98000		LS			REMOVAL MISC.: SIGN SUPPORT ATTACHMENTS, ELECTRICAL CONDUIT AND SUPPORTS						LS				P.13/35
202	98000		LS			REMOVAL MISC.: UTILITY CONDUITS						LS				P.13/35
511	81100	3	5		FT	CONCRETE, MISC.: CURB REPAIR			3			5				P.15/35
512	10401	1549	1591	1565	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS, AS PER PLAN	458	345	746	168	315	1108	252	258	1055	P.14/35
512	10600	80	46	48	FT	CONCRETE REPAIR BY EPOXY INJECTION	78	2		46			48			
512	73500	2089	1497	1529	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN			2089			1497			1529	
512	74000	1590	1477	942	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	458	312	820	140	315	1022			942	
514	00051	34051	32456	30170	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER PLAN			34051			32456			30170	P.13/35
514	00056	34051	32456	30170	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			34051			32456			30170	
514	00060	34051	32456	30170	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			34051			32456			30170	
514	00066	34051	32456	30170	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			34051			32456			30170	
514	00504	35	31	30	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			35			31			30	
514	10000	11	9	9	EACH	FINAL INSPECTION REPAIR			11			9			9	
516	44201			7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, 3 ¼" x 1'-1 ¼" x 1'-7 ¾" w/ 2" x 1'-2 ¼" x 1'-8 ¾" LOAD PLATE									7	P.32-33/35
516	44201			7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, 3 ¼" x 1'-2" x 1'-2" w/ 1 ½" x 1'-3" x 1'-3" LOAD PLATE									7	P.32-33/35
516	44301		12		EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, 4 ½" x 1'-3" x 1'-5" w/ 2" x 1'-4" x 1'-6" LOAD PLATE						12				P.27/35
516	46700			1	EACH	RESET BEARING									1	
516	47001	LS	LS	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN			LS			LS			LS	P.13/35
518	12500	1			EACH	SCUPPER, MISC.: GRATE REPLACEMENT			1							P.18/35
518	63300	LS	LS	LS		STRUCTURE DRAINAGE, MISC.: SCUPPER AND DRAINAGE PIPE CLEANOUT			LS			LS			LS	P.13/35
518	63300	LS		LS		STRUCTURE DRAINAGE, MISC.: BRIDGE DRAINAGE SYSTEM REPLACEMENT			LS						LS	P.13/35
519	11101	132	254	442	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	26	92	14	13		241	21	134	287	P.13/35
519	12300	39	4	14	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B			39			4			14	P.13/35
526	98200	144			FT	APPROACH SLABS, MISC.: JOINT SEALER			144							P. 18/35
SPECIAL	53000200	LS				STRUCTURES: SIDEWALK JOINT REPAIR			LS							P. 13 & 15/35
601	20010		100		CY	CRUSHED AGGREGATE SLOPE PROTECTION				100						
607	98100	125		320	EACH	FENCE, MISC.:FENCE REPAIRS			125						320	P.16/35
608	10001	150	213	661	SF	4" CONCRETE WALK, AS PER PLAN			150			213			661	P.18,24,28 / 35
SPECIAL	69071000		LS	LS		ASBESTOS ABATEMENT: WORK INVOLVING ASBESTOS CONTAINING MATERIALS						LS			LS	P. 13/35

ESTIMATED QUANTITIES

BRIDGE NO. HAM-71-0226, HAM-71-0294 AND HAM-71-0344
ELSINORE PLACE, MCGREGOR AVE. AND OAK STREET OVER I-71

SFN

VARIES

DESIGN AGENCY



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SDS 01-15-26

PROJECT ID

110110

SUBSET
5

TOTAL
5

SHEET
P.17

TOTAL
35