

I:\Project+Data\00689\_BRDG-REP-FY21\Design\Roadway\Sheets\00689\_cg001.dgn Sheet 2/22/2021 9:18:04 AM b\_fir's

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
											01/NHS/BR	02/IMS/BR						
											LS	LS	201	11000	LS		<b>ROADWAY</b> CLEARING AND GRUBBING	
																	<b>EROSION CONTROL</b> EROSION CONTROL	
												1,000	832	30000	1,000	EACH		
																	<b>PAVEMENT</b> PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
												5,545	254	01000	5,545	SY		
												1,350	254	01010	1,350	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
																	TACK COAT, 702.13	
																	NON-TRACKING TACK COAT	
																	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	
																	REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS	8
																	<b>TRAFFIC CONTROL</b> EDGE LINE, 6", TYPE 1	
																	LANE LINE, 6", TYPE 1	
																	<b>STRUCTURE REPAIR (FRA-3-1744)</b> REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	12
																	COMPOSITE FIBER WRAP SYSTEM	12
																	PATCHING CONCRETE STRUCTURE, PIERS	
																	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION	
																	<b>STRUCTURE REPAIR (FRA-71-2008)</b> PORTIONS OF STRUCTURE REMOVED	
																	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
																	<b>STRUCTURE REPAIR (FRA-71-2075)</b> PATCHING CONCRETE STRUCTURE, AS PER PLAN	9
																	<b>STRUCTURE REPAIR (FRA-71-2346)</b> PORTIONS OF STRUCTURE REMOVED	
																	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
																	<b>STRUCTURE REPAIR (FRA-71-2446)</b> PATCHING CONCRETE BRIDGE DECK - TYPE B	
																	<b>STRUCTURE REPAIR (FRA-71-2646)</b> PATCHING CONCRETE BRIDGE DECK - TYPE B	
																	<b>STRUCTURE REPAIR (UNI-4-1320)</b> PORTIONS OF STRUCTURE REMOVED	
																	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
																	<b>MAINTENANCE OF TRAFFIC</b> LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
																	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	5
																	<b>INCIDENTALS</b> MAINTAINING TRAFFIC	
																	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
																	MOBILIZATION	

**GENERAL SUMMARY**

**D06 FY21  
BRIDGE REPAIR**

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION

844 DATED/REVISED 4/20/18

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES 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 CMS SECTIONS 102.05, 105.02, AND 513.04. BASE CONTRACT BID PRICES UPON A RECOGNITION OF 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 WHICH HAVE BEEN VERIFIED IN THE FIELD.

ITEM 519 PATCHING CONCRETE STRUCTURE, AS PER PLAN

ALL SPECIFICATIONS FOR ITEM 519 PATCHING OF CONCRETE STRUCTURES SHALL APPLY EXCEPT AS CHANGED IN THIS NOTE.

THE CONTRACTOR SHALL REMOVE BACKWALL CONCRETE FOR STRUCTURE FRA-71-2075 TO A NOMINAL DEPTH OF 4" WITH A CLEARANCE OF 1" AROUND EXPOSED REINFORCING STEEL. CLEARANCE MAY BE REDUCED TO 1/2" IF THE PATCHING CONCRETE USED USES NO. 8 COARSE AGGREGATE.

THE CONCRETE USED FOR PATCHING SHALL BE QC FS CONFORMING TO REQUIREMENTS OF CMS 499.

ITEM 690 SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS

THIS ITEM SHALL BE USED TO REINFORCE THE TRANSVERSE JOINTS. PLACE REINFORCING MESH ON PROPOSED SURFACE AS SHOWN ON SHEETS 2/12, 3/12, 6/12, AND 10/12 5'-0" WIDE, ALONG THE LENGTHS SHOWN (MEASURED ALONG THE SKEW), AND CENTERED ON THE JOINT. APPLY A TACK COAT TO MAXIMIZE THE BOND BETWEEN THE TWO ADJOINING SURFACES. AFTER PLACEMENT OF THE REINFORCED JOINT MESH, PLACE THE ASPHALT CONCRETE AS SHOWN ON THE PLANS.

THE REINFORCED JOINT MESH MATERIAL SHALL BE GLASGRID 8512 OR MACGRID AR 20.7. THE REINFORCED JOINT MESH AND TACK COAT SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

PAYMENT FOR THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE UNIT BID PRICE (SQUARE YARD) FOR ITEM 690 SPECIAL - REINFORCED MESH FOR TRANSVERSE/LONGITUDINAL JOINTS AND CRACKS.

ITEM 509 - REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN (FRA-3-1744)

AN ESTIMATED QUANTITY FOR NEW REINFORCING STEEL HAS BEEN PROVIDED TO REPLACE ANY EXISTING REINFORCING STEEL WHICH HAS BEEN DEEMED UNUSABLE BY THE ENGINEER DUE TO CORROSION.

ANY EXISTING REINFORCING STEEL BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND WHICH ARE MADE UNUSABLE BY THE CONTRACTOR'S CONCRETE REMOVAL OPERATIONS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER, WITH NEW REINFORCING STEEL OF THE SAME SIZE AT NO ADITONAL COST TO THE DEPARTMENT.

ITEM 202 PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (UNI-4-1320)

ALL SPECIFICATIONS FOR ITEM 202 PORTIONS OF STRUCTURE REMOVED SHALL APPLY EXCEPT AS CHANGED IN THIS NOTE.

THE CONTRACTOR SHALL REMOVE CONCRETE "BUMPOUTS" ABOVE AND BELOW "CITY OF MARYSVILLE" AS DETAILED ON SHEET 12/12. THE "BUMPOUTS" SHALL BE REMOVED FLUSH BY SAW CUTS.

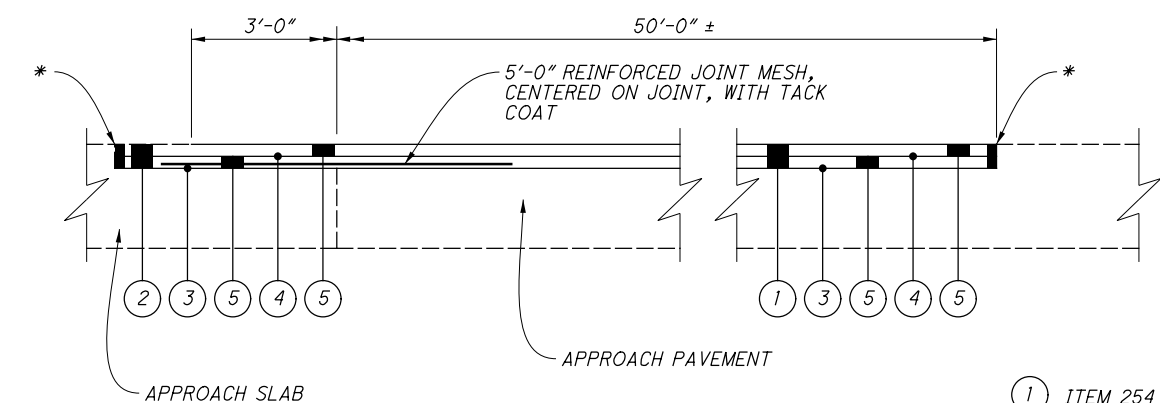
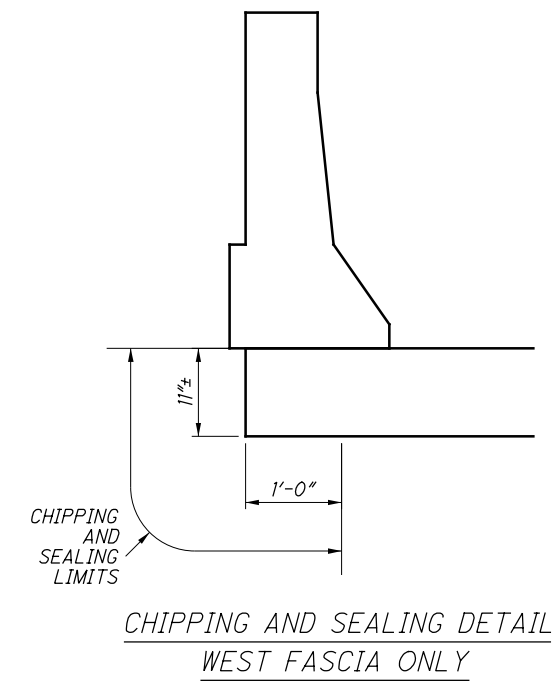
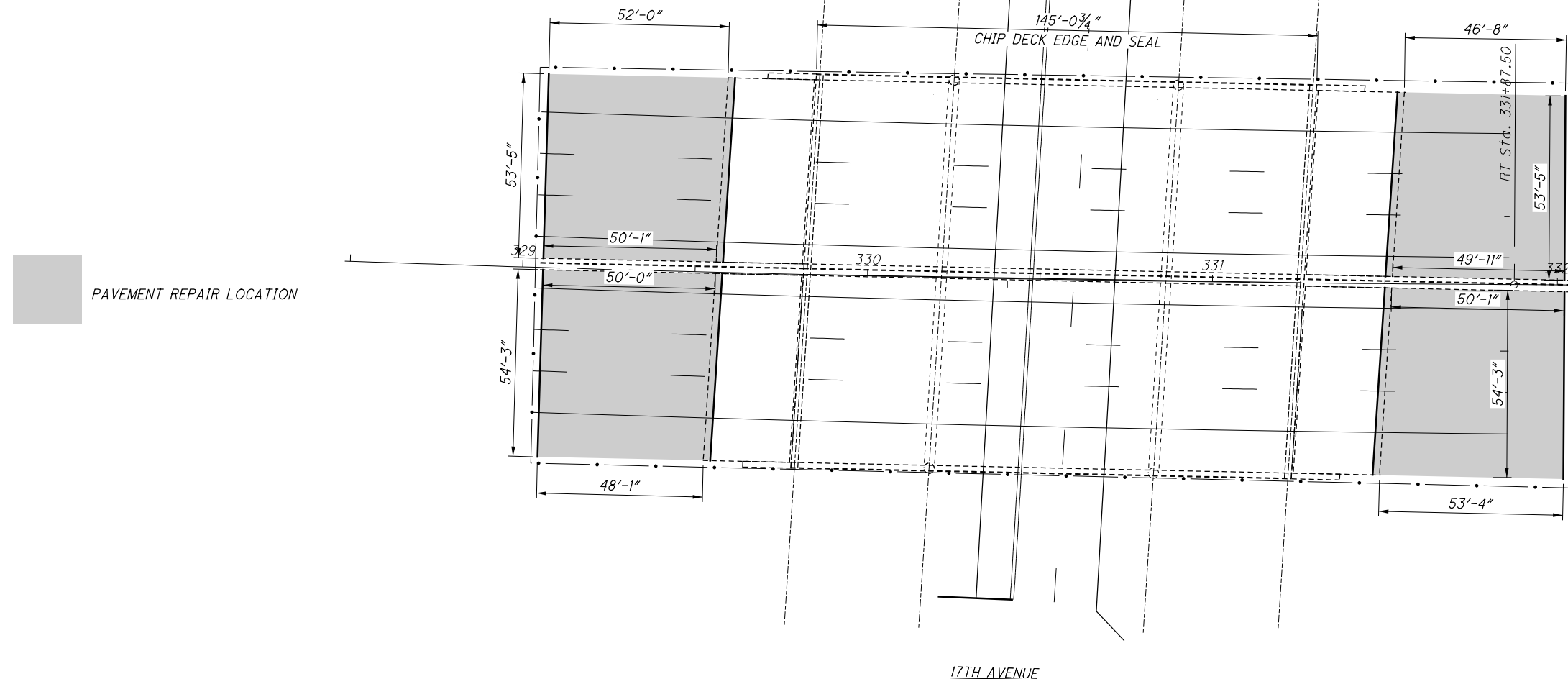
IF ANY DAMAGE IS DONE TO THE EXISTING LETTERING, IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESEAL THE DAMAGED AREA WITH EPOXY-URETHANE THAT MATCHES THE COLOR OF THE EXISTING LETTERING AT NO ADDITIONAL COST TO THE DEPARTMENT.

ITEM	EXTENSION	PART		TOTAL	UNIT	DESCRIPTION	SHEET #
		01/NHS/BR	02/IMS/BR				
<b>UNI-4-1320 SFN 8000093</b>							
202	11200	LS		LS	LS	PORTIONS OF STRUCTURE REMOVED	
512	10100	21		21	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
<b>FRA-3-1744 SFN 2500094</b>							
509	20001		200	200	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	
SPECIAL	51900100		920	920	SF	COMPOSITE FIBER WRAP SYSTEM	
519	11100		400	400	SF	PATCHING CONCRETE STRUCTURE, PIERS	
844	10000		600	600	SF	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION	
<b>FRA-71-2008 SFN 2507951</b>							
202	11200		LS	LS	LS	PORTIONS OF STRUCTURE REMOVED	
254	01000		1197	1,197	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
254	01010		48	48	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
407	13900		105	105	GAL	TACK COAT, 702.13	
407	20000		68	68	GAL	NON-TRACKING TACK COAT	
442	20000		26	26	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)	
512	10100		31	31	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
<b>FRA-71-2075 SFN 2507986</b>							
254	01000		784	784	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
254	01010		400	400	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
407	13900		95	95	GAL	TACK COAT, 702.13	
407	20000		65	65	GAL	NON-TRACKING TACK COAT	
442	20000		28	28	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)	
519	11101		160	160	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	
SPECIAL	69012050		80	80	SY	REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS	
<b>FRA-71-2346 L&amp;R SFN 2508133 &amp; 2508168</b>							
202	11200		LS	LS	LS	PORTIONS OF STRUCTURE REMOVED	
254	01000		907	907	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
254	01010		400	400	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
407	13900		105	105	GAL	TACK COAT, 702.13	
407	20000		72	72	GAL	NON-TRACKING TACK COAT	
442	20000		27	27	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)	
512	10100		214	214	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
SPECIAL	69012050		85	85	SY	REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS	
<b>FRA-71-2446 L&amp;R SFN 2508192 &amp; 2508222</b>							
254	01000		1090	1,090	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
254	01010		439	439	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
407	13900		123	123	GAL	TACK COAT, 702.13	
407	20000		84	84	GAL	NON-TRACKING TACK COAT	
442	20000		32	32	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)	
519	12300		120	120	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
SPECIAL	69012050		90	90	SY	REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS	
<b>FRA-71-2646 SFN 2508257</b>							
254	01000		1567	1,567	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH	
254	01010		63	63	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH	
407	13900		138	138	GAL	TACK COAT, 702.13	
407	20000		90	90	GAL	NON-TRACKING TACK COAT	
442	20000		34	34	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)	
519	12300		60	60	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
SPECIAL	69012050		157	157	SY	REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS	
QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY							

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DESIGN AGENCY	OHIO DEPARTMENT OF	TRANSPORTATION DISTRICT 6
DATE	11/28/20	STRUCTURE FILE NUMBER
REVIEWED	KRF	00000
DRAWN	BLF	XXX
DESIGNED	BLF	CAB
<b>BRIDGE NOTES AND ESTIMATED QUANTITIES</b>		
SHEET TITLE 2		
SHEET TITLE 3		
<b>D06 FY21</b>		
<b>BRIDGE REPAIR</b>		
PID No. 100689		
1 / 12		
8		
19		

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**PAVEMENT SECTION**

\* - SEAL THE PERIMETER SURFACE OF THE REPAIRED AREA BY APPLYING A 2 TO 4 INCH WIDE STRIP OF APPROVED 705.04 MATERIAL OR 702.01 APPROVED PG BINDER.

**LEGEND**

- ① ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH
- ② ITEM 254 PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, 3" DEPTH
- ③ ITEM 407 TACK COAT, 702.13
- ④ ITEM 407 NON-TRACKING TACK COAT
- ⑤ ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (1.5" THICKNESS)

EXISTING STRUCTURE	
TYPE: 3 SPAN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 39'-0", 65'-0", 39'-0"	
ROADWAY: 54'-3" RIGHT BRIDGE, 53'-5" LEFT BRIDGE	
LOADING: CF2000(57)	
SKEW: 2° 27' 58" LEFT FORWARD WITH REFERENCE LINE	
WEARING SURFACE: LATEX MODIFIED CONCRETE OVERLAY	
APPROACH SLABS: AS-1-81 (25' LONG)	
ALIGNMENT: 0° 30' 00" LEFT CURVE	
CROWN: 3/16" PER FT.	
STRUCTURAL FILE NUMBER: 2507951	
DATE BUILT: 1961	
DISPOSITION: APPROACH PVMT. REPAIR & SPALLING DECK EDGE	

