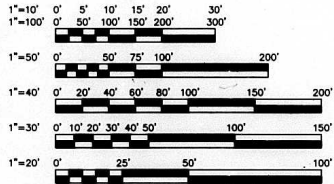


BRIDGE SECTIONS

MISSISSIPPI RIVER BRIDGE SEC. 60 B-I-3 (S.N. 060-0035)
 CHAIN OF ROCKS CANAL BRIDGE SEC. 60-1B-I-3 (S.N. 060-0037)
 IL RTE. 3 SEC. 60-2VHBY (S.N. 060-0038)
 ST. THOMAS RD./R.R. SEC. 60-2VHBY (S.N. 060-0041)
 IL RTE. 203/OLD ALTON RD./R.R. SEC. 60-3VHBY (S.N. 060-0043)
 ENGINEER RD./R.R. SEC. 60-3VBVY (S.N. 060-0045)
 IL RTE. 111 SEC. 60-3HBY-1 (S.N. 060-0047)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

SEE SHEET #2 FOR INDEX OF SHEETS, GENERAL NOTES, & STANDARDS.

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATIONS PHONE: 800-892-0123

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

SCALE IN FEET

PLAN PROFILE HORIZ. CROSS SECTIONS HORIZ. CROSS SECTIONS VERT.

**F.A.I. 270
 (WESTBOUND)**

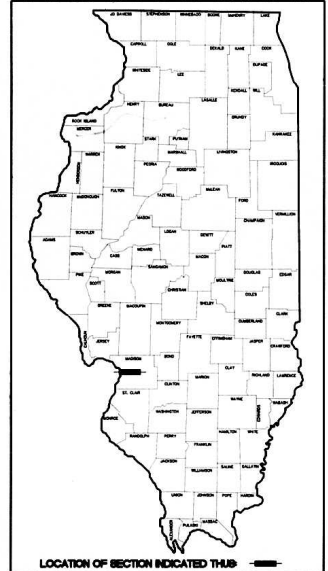
**SECTION 60 B-I-3, 60-1B-I-3, 60-(1,2,3)RS-1, 60-(2HBY, 2VHBY,
 3HBY-1, 3VHBY, 3VBVY)**

**PROJECT ACIM-ACBHI-270-6(93)0
 MADISON COUNTY (IL.) & ST. LOUIS COUNTY (MO.)
 BRIDGE REHABILITATION, PAVEMENT PATCHING AND RESURFACING
 C-98-067-96**

FED. RD. DIST.	SEC.	COUNTY	SECTION	SHEET
270	*	MADISON	487	1
LINES		PROJECT		

* 60 B-I-3, 60-1B-I-3, 60-(2HBY, 2VHBY, 3HBY, 3VBY, 3VBVY-1) & 60-(1, 2, 3) RS-1

D-98-089-93, D-98-137-93, D-98-055-94



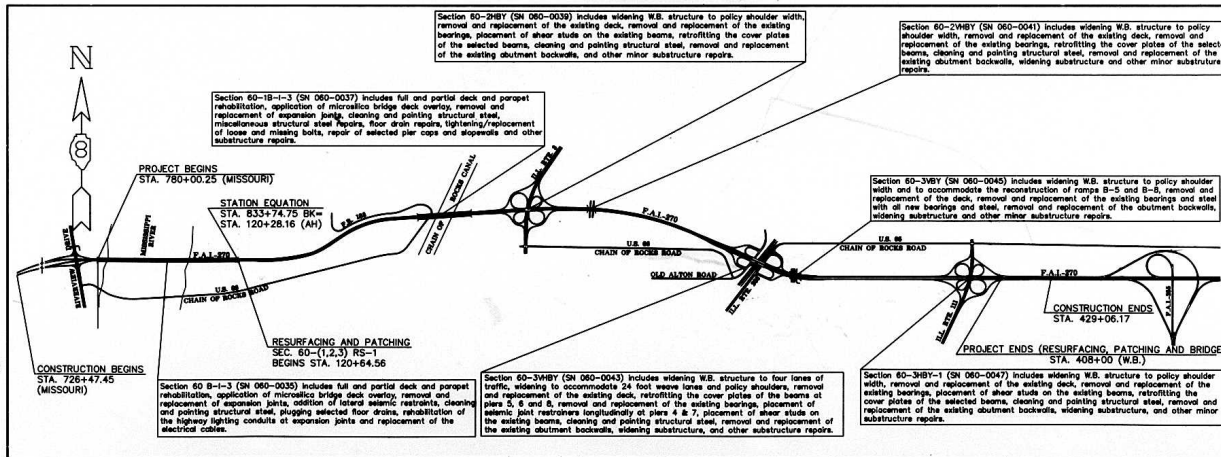
LOCATION OF SECTION INDICATED THEREIN

PROJECT ENGINEER: WILLIAM A. BOEKER, PHONE NO. 618-244-3179, 2001 W. BROADWAY, SUITE 100, ST. LOUIS, MO. 63103

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS _____
 W.B. DESIGN DESIGNATION _____
 TRAFFIC DATA _____
 CURRENT ADT (95) = 46,156 (EB+WB)
 MU = 15.6%
 SU = 2.9%

PREPARED BY:

 Engineers Architects Planners
 One Central Bank Building
 Fairview Heights, Illinois 62208



LOCATION MAP

SCALE IN MILES
 NET LENGTH OF BRIDGES = 8989.66 FEET = 1.703 MILES
 NET LENGTH OF ROADWAY = 25,746.68 FEET = 4.876 MILES
 NET LENGTH OF PROJECT = 34,736.34 FEET = 6.579 MILES

CONTRACT NO. 96693

EXISTING CONDITIONS:
 * 60B-1-3, 60-1B-1-3, 60-12NB, 2VNB, 3VNB, 3YB, 3NB, 3BY-D, & 60-12.3VNS-1

GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JULY 1, 1994, THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" ADOPTED NOVEMBER 1994, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED FEBRUARY 1, 1995 AND THE SPECIAL PROVISIONS INCLUDED IN THIS PROPOSAL.
- THE STANDARDS WITH THE REVISION NUMBERS LISTED IN THE INDEX OF SHEETS SHALL HOLD PRECEDENCE OVER THE STANDARD NUMBERS LISTED IN THE SPECIAL PROVISIONS OR PARTS OF THE CONTRACT.
- ALL AREAS DISTURBED FOR WHATEVER REASON SHALL BE SEEDED WITH CLASS 2 SEEDING AS DESCRIBED IN THE SPECIAL PROVISIONS AS SOON AS POSSIBLE TO DETER EROSION.
- WHEN SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY INTERESTS AND MONUMENTS UNTIL THE OWNER, OR AUTHORIZED SUPERVISOR OR AGENT HAS WITNESSED, OR OTHERWISE REFERENCED, THEIR LOCATION.
- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- ALL STATIONS AND OFFSETS ALONG F.A.I. 270 ARE REFERENCED TO CONSTRUCTION CENTERLINE UNLESS OTHERWISE NOTED.
- THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION. ADJUSTMENTS IN UTILITY LOCATIONS WILL BE MADE BY OWNER UNLESS OTHERWISE NOTED IN PLANS.

*UNION ELECTRIC	*MCI	*SHELL OIL
*ILLINOIS POWER	*MITCHELL PUBLIC WATER DIST.	*MISSISSIPPI RIVER TRANSMISSION
*ILLINOIS CARRIERS	*MADISON COUNTY SANITARY SEWER	*ILLINOIS AMERICAN WATER
*AMERITECH	*HARTNER CABLE	*KARATHON PIPE LINE
*SPRINT	*PONTON BEACH PUBLIC WATER	*LACLEDE PIPELINE
		*EXPLORER PIPELINE

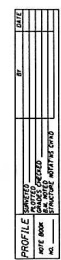
*INDICATES THOSE UTILITIES WITH ARE MEMBERS OF THE ILL.U.I.E. SYSTEM.
- THE FINAL 1/2" SURFACE COURSE OF THE PROPOSED RESURFACING SHALL BE PLACED ONLY AFTER BRIDGE CONSTRUCTION OF BOTH STAGES ARE COMPLETED AND ALL TEMPORARY BARRIERS AND TRAFFIC CONTROL APPLICATIONS OF THE STAGES ARE REMOVED FROM THE WEST BOUND LANES. THE TRAFFIC CONTROL INCLUDING TEMPORARY BARRIERS IN THE EAST BOUND LANES SHALL REMAIN IN EFFECT UNTIL ALL RESURFACING OF THE WEST BOUND LANES AND RAMP HAS BEEN COMPLETED.
- NO WORK SHALL BE STARTED ON SUPER STRUCTURES AND INTERSTATE ROADWAY REQUIRING OVERNIGHT LANE CLOSURE UNTIL MARCH 3, 1998.
- OVERNIGHT LANE CLOSURE ON WEST BOUND LANES SHALL NOT BE PERMITTED UNTIL REVERSIBLE LANE ON THE EAST BOUND LANES IS IN OPERATORY GUIDING SIGNS Overhead, Truss mounted and Ground mounted ARE PLACED AT THEIR DESIGNATED LOCATIONS.
- TRAFFIC CONTROL AND PROTECTION DETAILS FOR STAGE 1 AND STAGE 2 CONSTRUCTION FOR EACH STRUCTURE AS SHOWN ON THE BRIDGE PLANS SHALL BE INCORPORATED WITH THE MAIN LANE TRAFFIC CONTROL PLAN IN CLOSING WEST BOUND LANE.
- TWO ADDITIONAL DRUMS Y BARRICADES TYPE II SHALL BE PLACED IN THE CLOSED LANE AT 600 FOOT INTERVALS TO REINFORCE THE LANE CLOSURE.
- THE CONTRACTOR SHALL HAVE THE OPTION OF USING DRUMS OR TYPE II BARRICADES THAT ARE MADE OF PLASTIC, FIBERGLASS OR OTHER METALLIC MATERIALS. HOWEVER, WHATEVER TYPE IS SELECTED THEY SHALL BE USED THROUGHOUT.
- ALL CONSTRUCTION SIGNS SHALL BE FLORESCENT ORANGE IN COLOR.
- FULL DEPTH SAW CUTTING SHALL BE REQUIRED IN REMOVING PORTIONS OF THE EXISTING STRUCTURES, PAVEMENT OR APPURTENANCE WHEN ADJACENT STRUCTURES, PAVEMENT OR APPURTENANCE WILL REMAIN IN PLACE. SEE SPECIAL PROVISIONS FOR FURTHER DETAILS AND BASIS OF PAYMENT.
- AT LOCATIONS WHERE EXISTING STRUCTURES ARE TO BE ADJUSTED, RECONSTRUCTED, EXTENDED, REMOVED, REPAIRED OR OTHERWISE REVISED, TRENCH BACKFILL SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 602.02 OF THE STANDARD SPECIFICATIONS. THE COST OF THE TRENCH BACKFILL SHALL BE INCIDENTAL TO THE TYPE OF STRUCTURE BEING BACKFILLED.
- ALL CLEARING OF VEGETATION, BRUSH, ECT. WITHIN THE LIMITS SHOWN ON BRIDGE PLANS IS INCIDENTAL TO EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY IN WRITING TO MR. FREEMAN MCCOLLAN, DISTRICT ENGINEER, MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT, 1550 NOKOLEE DRIVE CHESTERFIELD, MISSOURI 63017-5712 PHONE (314)340-4100 FAX (314)340-4118 AT LEAST TWO (2) WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITY BEGINS ON THE MISSOURI SIDE.
- THE CONTRACTOR SHALL NOTIFY IN WRITING TO MR. ROGER K. WIEBUSH, U.S. COAST GUARD SECOND DISTRICT 1222 SPRUCE STREET, ST. LOUIS MISSOURI 63103-2832 PHONE (314)339-3724 AT LEAST TWO (2) WEEKS PRIOR TO ANY CONSTRUCTION WORK BEGINS ON THE STRUCTURE(S) OVER THE CHAIN OF ROCKS CANAL.
- THE ENGINEER SHALL MONITOR MOVEMENTS OF EXISTING PIERS AND ABUTMENTS OF THE STRUCTURES DURING FILE DRIVING AND FOR THE 10 WEEK AFTER. THE MOVEMENT DATA SHALL BE SUBMITTED TO MARY LAMIE, DISTRICT GEOTECHNICAL INVESTIGATION ENGINEER PHONE (618)346-3313
- BITUMINOUS CONCRETE CONTAINING ASBESTOS, IF REMOVED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS OF THIS CONTRACT, IS CONSIDERED A NON-FRIABLE MATERIAL. THIS REMOVED MATERIAL CONTAINING ASBESTOS MEETS THE DEFINITION OF GENERAL BUILDING DEBRIS AND CAN BE DISPOSED OF AS SUCH TO AN APPROVED LANDFILL.

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	SECTION 60-1B-1-3 (SN 060-0037)
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	SECTION 60-3VNB (SN 060-0043)
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	SECTION 60-3NB-1 (SN 060-0047)
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2170-8	2341-10
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2230-18	2354-2
2239-9	2359-4
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2256-13	2381-2
2262-6	2383-4
2282-12	2385-1
2301-6	2396-1
2302-9	2397-2
2303-10	2401
2305-9	
2307-10	2408-1
2313-6	2419-2
2319-4	2426-4
2315-11	2430-1
2316-16	2438-1
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2326-4	2452



ILLINOIS DEPARTMENT OF TRANSPORTATION
**INDEX OF SHEETS, STANDARDS,
 GENERAL NOTES**
 F.A.I. ROUTE 270
 SECTION 60B-1-3, 60-1B-1-3, 60-12NB, 2VNB, 3VNB,
 3YB, 3NB, 3BY-D, & 60-12.3VNS-1
 MADISON COUNTY

① ACIM
② ACBHI

①

①

* 60B-1-3, 60-1B-1-3, 60-12HBY, 2VHBY, 3VHBY, 3VBY, 3HBY-J, 60-1L2.3RS-1

1-ALL JMS 270	SECTION *	COUNTY MADISON	MIN. PROPERTY 487	DATE 3
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ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SW 080-0035 60B-1-3 R & MO **	SW 080-0037 60B-1-3 ** FED 90% STATE 80%	② SW 080-0039 60B-2HBY FED 90% STATE 80%		① SW 080-0041 60B-2VHBY FED 90% STATE 80%		② SW 080-0043 60B-3HBY FED 90% STATE 80%		② SW 080-0045 60B-3VBY FED 90% STATE 80%		② SW 080-0047 60B-3HBY-1 FED 90% STATE 80%		① 60-1L2.3RS-1					
CODE NO	ITEM	UNIT	QUANTITIES	SFTY-2A	SFTY-2A	X271-2A	X000-2A	X531-5B	X000-2A	X571-5B	X000-2A	X571-5B	X000-2A	X271-2A	X000-2A	X000-2A	100Z -1C	X000-2A	FED 90% STATE 80%	FED 90% STATE 80%	
X032134	DISPOSITION OF SALVAGED SIGN SUPPORT	L SUM	1																		1
X5051401	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.1	L SUM	1	1																	
X5051402	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.2	L SUM	1		1																
X5051403	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.3	L SUM	1			1															
X5051404	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.4	L SUM	1					1													
X5051405	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO. 5	L SUM	1							1											
X5051406	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.6	L SUM	1									1									
X5051407	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO.7	L SUM	1											1							
X6320200	REINSTALL CABLE ROAD GUARD	FOOT	1850														1850				
X0321136	INSTALL TEMPORARY CONCRETE BARRIER. SPECIAL	FOOT	6428														6428				
X0322135	REMOVE EXISTING CROSSOVER	SO YD	12696														12696				
X0322137	CONCRETE BRIDGE DECK SCARIFICATION	SO YD	936	936																	
L0002430	DISPOSITION OF SALVAGED LIGHTING EQUIPMENT	L SUM	1																		1
L0005700	LUMINAIRE REPLACEMENT. 150 WATT HIGH PRESSURE SODIUM	EACH	1																		1
L0008900	REMOVE AND RELOCATE EXISTING LIGHT STANDARD	EACH	2																		2
L0672600	RELOCATE EXISTING UNIT DUCT	FOOT	190																		190
TX000620	CHANGEABLE MESSAGE SIGN	CAL NO	200														200				
TX005100	REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN	EACH	2																		2
TZ003730	DISPOSITION OF SALVAGED TRAFFIC SIGNAL EQUIPMENT	L SUM	1																		1
TZ015500	TERMINAL FACILITY	EACH	2																		2
TZ030100	SIGN PANEL - TYPE 3	SO FT	203																		203
TZ130100	REMOVE SIGN PANEL - TYPE 3	SO FT	1816																		1816
TZ160400	TERMINAL MARKER - DIRECT APPLIED	EACH	36																		36
T3097200	OVERHEAD SIGN STRUCTURE - CANTILEVER. TYPE III-C-A (36" X 7'-0")	FOOT	34																		34
T3100100	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	14.5																		14.5
T3110100	OVERHEAD SIGN WALKWAY	FOOT	23.5																		23.5
T3120200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	8.3																		8.3

SECURITY FILE

① ACBM
② ACBNI

* 608-I-3, 60-IB-I-3, 60-12HBY, 2VHBY,
3VHBY, 3VBY, 3HBY-II, 60-(L2,3)RS-1

SECTION	COUNTY	NEW	PAV
270	MADISON	487	4

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SH 080-0035 608-I-3 L & M 48.2L	SH 080-0037 608-I-3	SH 080-0039 608-2VHBY	SH 080-0041 608-2VHBY	SH 080-0043 608-3VHBY	SH 080-0045 608-3VBY	SH 080-0047 608-3HBY-I	60-(L2,3)RS-1									
SUMMARY OF QUANTITIES			QUANTITIES	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %	FED % STATE %				
CODE NO	ITEM	UNIT		SFTY-2A	SFTY-2A	X27I-2A	X000-2A	X53I-5B	X000-2A	X57I-5B	X000-2A	X57I-5B	X000-2A	X27I-2A	X000-2A	X000-2A	X000-2A	X030-2A	X000-2A	X030-IE
T3180100	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	1															1		
T4180200	DETECTOR LOOP, SPECIAL	FOOT	268															268		
T4207700	PVC CONDUIT IN TRENCH 1/4"	FOOT	20															20		
T4219010	ELECTRIC CABLE IN CONDUIT NO. 18, 3 PAIR TWISTED, SHIELDED	FOOT	20															20		
T4300300	GULFBOX JUNCTION	EACH	2															2		
T4310100	TRENCH AND BACKFILL	FOOT	20															20		
T4310200	TRENCH AND BACKFILL (SPECIAL)	FOOT	20															20		
T4450200	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2920																	2920
T4460200	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2996	2875																121
T5010200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	135937															135937		
T5010500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3245															3245		
T5010600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	205															205		
T5020200	PAINT PAVEMENT MARKING - LINE 4"	FOOT	100407															100407		
T5020400	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1640															1640		
T5020500	PAINT PAVEMENT MARKING - LINE 8"	FOOT	23750															23750		
T5030020	PREFORMED PLASTIC PAVEMENT MARKING, TYPE A - LINE 4"	FOOT	23218															23218		
T5040100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1499															1499		
T5040200	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	462															462		
T5070100	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	492															492		
T5100312	GUARDRAIL MARKERS, TYPE B	EACH	290															290		
T5110100	THERMOPLASTIC PAVEMENT MARKING REMOVAL	SO FT	1369															1369		
T5120100	PAINT PAVEMENT MARKING REMOVAL	SO FT	24081			1987		500		1350		907		2544				16793		
T9994000	REMOVE EXISTING SIGN SUPPORT	EACH	6															6		
X0320025	FURNISH AND MAINTAIN RADIO	EACH	6															6		
X0320870	BRACED EXCAVATION	CU YD	1091				108			377		365		241						
X0321259	POLYMER MODIFIED PORTLAND CEMENT MORTAR	CU FT	634	634																
X0321468	PLUG EXISTING DECK DRAINS	EACH	84	84																
X0321778	SEISMIC RESTRAINER	EACH	32							32										
X0321780	ALUMINUM RAILING POST REPAIR	EACH	43	35																
X0321781	MECHANICAL SPLICE	EACH	4048		4048															
X0321783	TEMPORARY PLASTIC BARRIER	FOOT	75															75		

SPECIALTY ITEM

NEW ILL. DEPT. OF TRANSPORTATION FORM 1-1-83

① DACIA
② ACBHI

* 60B-1-3, 60-1B-1-3, 60-12HBY, 2VHBY,
3VHBY, 3VBY, 3HBY-D, 60-1L2,3RS-1

FILE #	SECTION	COUNTY	REV. DATE	DATE
270		MAJISON	487	5

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SN 080-0016 60B-1-3 ①	SN 080-0017 60B-1-3 ①	SN 080-0039 60B-2HBY ②	SN 080-0041 60B-2HBY ①	SN 080-0043 60B-3HBY ②	SN 080-0045 60B-3HBY ②	SN 080-0047 60B-3HBY-1 ②	60-1L2,3RS-1 ①									
SUMMARY OF QUANTITIES			QUANTITIES	R. & M. BY FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX	FED BOX STATE BOX		
CODE NO	ITEM	UNIT		SFTY-2A	SFTY-2A	X271-2A	X000-2A	X531-5B	X000-2A	X571-5B	X000-2A	X571-5B	X000-2A	X271-2A	X000-2A	X000-2A	X000-2A	X000-2A	X000-2A	
X0321792	TEMPORARY LIGHTING SYSTEM SPECIAL LOCATION NO.1	L SUM	1																	1
X0321793	TEMPORARY LIGHTING SYSTEM SPECIAL LOCATION NO.2	L SUM	1																	1
X0321794	TEMPORARY LIGHTING SYSTEM SPECIAL LOCATION NO.3	L SUM	1																	1
X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1																	1
X9040250	RELOCATE TEMPORARY CONCRETE BARRIER, SPECIAL	FOOT	55000																	55000
Z0002600	BAR SPLICERS	EACH	7499	316	596	852		794		2010		2106		825						
Z0006110	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SO YD	23435	16802	6633															
Z0012200	CONCRETE BRIDGE DECK SCARIFICATION (1/2 INCH)	SO YD	22499	15866	6633															
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	64	56	8															
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	637	538	99															
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	2255	1280	995															
Z0017900	DRAINAGE SCUPPERS	EACH	22			8		2		7		3		2						
Z0018000	DRAINAGE SCUPPERS (SPECIAL)	EACH	3							3										
Z0018500	DRAINAGE STRUCTURES TO BE CLEARED	EACH	50	25	25															
Z0018800	DRAINAGE SYSTEM	L SUM	1							1										
Z0047300	PROTECTIVE SHIELD	SO YD	6473			854		555		3322		953		789						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1					0.2		0.6		0.2								
Z0049720	REINFORCED NEOPRENE EXPANSION JOINT TREATMENT	FOOT	601	311	290															
Z0051900	REPAIR OF CRACKS	FOOT	4016																	4016
Z0056400	SAND MODULE IMPACT ATTENUATOR (TEMPORARY)	EACH	48																	48***
Z0062000	SAW CUTTING	FOOT	17239				996		716						954					14573
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	38		5	10		10		3		10								
Z0100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	22																	22
Z0100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	15																	15
Z0200100	EARTH EXCAVATION	CU YD	7348				212		108		267		150		316					6295
Z0500150	EMBANKMENT	CU YD	12271				265		108		1679		6494		716					3009
Z0800150	TRENCH BACKFILL	CU YD	76				16				20		25		15					
Z5000200	SEEDING, CLASS 2	ACRE	4.8				0.8		0.5		0.6		1.7		0.6					0.6
Z5000400	NITROGEN FERTILIZER NUTRIENT	POUND	437				73		46		58		152		54					54

*** CONSTRUCTION CODE SFTY-3N

① ACZA
② ACBHI

* 60B-1-3, 60-1B-1-3, 60-12HBY, 2VMBY,
3VMBY, 3VBY, 3HBY-D, 60-1L2,3HRS-1

PLAN 270	SECTION "	COUNTY MADISON	SHEET 487	PAGE 6
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ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SH 060-0036 60B-1-3 ①	SH 060-0037 60B-1-3 ②	SH 060-0039 60B-2HBY ③	SH 060-0041 60B-3VMBY ④	SH 060-0043 60B-3VMBY ⑤	SH 060-0045 60B-3VBY ⑥	SH 060-0047 60B-3HBY-1 ⑦	60-1L2,3HRS-1 ⑧							
SUMMARY OF QUANTITIES			QUANTITIES	R. & NO. 44	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX	FED ROX STATE ROX
CODE NO	ITEM	UNIT	SFTY-2A	SFTY-2A	X271-2A	1000-2A	X531-5B	1000-2A	X571-5B	1000-2A	X571-6B	1000-2A	X271-2A	1000-2A	1000-2A	1000-2A	1000-2A	1030-1E
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	437			73		46		58		152		54	54			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	437			73		46		58		152		54	54			
28101200	DUMPED RIPRAP	TON	130	130														
30200600	PROCESSING LIME MODIFIED SOILS 12"	SO YD	7123												7123			
30201400	WATER	UNIT	107												107			
30201500	LIME	TON	138												138			
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	2583			483		182		274		1214		430				
35400520	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	SO YD	468							355		113						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	83.8	2	0.8	0.2	12.3	0.1	1.9	8.4		9.7	0.2	4	44.2			
40600300	AGGREGATE (PRIME COAT)	TON	239.8	10	4	1	12.7	0.5	3.7	13.8		8.3	1	8.4	176.4			
40600510	LEVELING BINDER (MACHINE METHOD), TYPE 1	TON	850			78		29		156		505		82				
40600570	LEVELING BINDER (MACHINE METHOD), MIXTURE C, TYPE 2	TON	1240												1240			
40600710	BITUMINOUS CONCRETE BINDER COURSE, TYPE 1	TON	9937			796		243		902		545		474	6977			
40600820	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS 1, TYPE 1	TON	2916												2916			
40600830	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE E, CLASS 1, TYPE 1	TON	7902	556	223	55	499	27	209	773		468	53	407	4632			
40600895	CONSTRUCTING TEST STRIP	EACH	2												2			
40700550	BITUMINOUS CONCRETE BINDER COURSE, TYPE 1 11"	SO YD	3988												3988			
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SO YD	2074			405		294		530		440		405				
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SO YD	878			206		108		216		167		181				
44000002	BITUMINOUS SURFACE REMOVAL 1/2"	SO YD	56246			4937		2099		7628		3929		3547	34106			
44000004	BITUMINOUS SURFACE REMOVAL 1"	SO YD	3013												3013			
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	8872												8872			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	732									732						
44000700	APPROACH SLAB REMOVAL	SO YD	1811			403		223		436		354		395				
44000910	BITUMINOUS CONCRETE REMOVAL (DECK)	SO YD	22543	15910	6633													
44001113	BITUMINOUS CONCRETE SURFACE REMOVAL (ASBESTOS)	SO YD	1603						1603									
44001430	BITUMINOUS SHOULDER REMOVAL	SO YD	14451			1358		851		3103		2240		1136	5763			

08/27/96
 ILL. DEP. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 11/1/83

①ACBIM
②ACBIM

* 60B-I-3, 60-IB-I-3, 60-12HBY, 2VHBY,
3VHBY, 3VBV, 3HBY-II, 60-1L2,3RS-1

1-1	SECTION	COUNTY	TRK	HWY
270	*	MADISON	487	7

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SN 080-0235 60B-I-3	SN 080-0237 60B-I-3	② SN 080-0239 60B-2VHBY		① SN 080-0041 60B-2VHBY		② SN 080-0043 60B-3VHBY		② SN 080-0045 60B-3VHBY		② SN 080-0047 60B-3VHBY-I		① 60-1L2,3RS-1			
CODE NO	ITEM	UNIT	QUANTITIES	R. & M. ①	# FED STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ	FED DOZ STATE DOZ		
				SFTY-2A	SFTY-2A	X271-2A	1000-2A	X531-5B	1000-2A	X571-5B	1000-2A	X571-5B	1000-2A	X271-2A	1000-2A	1000-2A	Y032-IF	1000-2A	Y030-IE
44001600	BRIDGE WEARING SURFACE REMOVAL	SO YD	10784	6613	2653	662		226											
44003100	MEDIAN REMOVAL	SO FT	7357							5041			2316						
44003800	MEDIAN SURFACE REMOVAL	SO FT	2480										2480						
44004500	PAVEMENT REMOVAL (SURFACE COURSE)	SO YD	2582															2582	
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	2383															2383	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	383															383	
44201003	CLASS B PATCHES, TYPE I, 13 INCH	SO YD	4															4	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SO YD	1615															1615	
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SO YD	56															56	
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SO YD	107															107	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3762				868		465		482		264		685			998	
48200600	BITUMINOUS SHOULDERS 8"	SO YD	8404															8404	
48201000	BITUMINOUS SHOULDERS	TON	14856				2075		895		2865		1941		1396			5684	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1										1						
50102400	CONCRETE REMOVAL	CU YD	648.8	103	139	57.8		54.4		151.1			73.9		69.6				
50104650	SLOPE WALL REMOVAL	SO YD	524		340			89		38			37		20				
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	4			1		1		1				1					
50105220	PIPE CULVERT REMOVAL	FOOT	690															690	
50200100	STRUCTURE EXCAVATION	CU YD	1425			114		509		308			313		181				
50300100	FLOOR DRAINS	EACH	43			6		4		27				6					
50300110	PREFORMED JOINT SEAL 1 3/4"	FOOT	368	78	290														
50300120	PREFORMED JOINT SEAL 2 1/2"	FOOT	967	145		249				326				247					
50300130	PREFORMED JOINT SEAL 4"	FOOT	263		110			89					64						
50300155	NEOPRENE EXPANSION JOINT 2 1/2"	FOOT	146							80			66						
50300160	NEOPRENE EXPANSION JOINT 4"	FOOT	116		36					80									
50300225	CONCRETE STRUCTURES	CU YD	1800			92.4		201		698.7			482.7		325.2				
50300255	CONCRETE SUPER STRUCTURES	CU YD	3229.6	107.1	145	395.2		311.6		1329.2			575.2		366.3				
50300260	BRIDGE DECK GROOVING	SO YD	32206	15542	6095	1575		1112		4580			1889		1413				
50300300	PROTECTIVE COAT	SO YD	5068	2675	452	191		202		926			440		182				
50300310	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	181			40		14		78			9		40				
50300320	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	66					14		52									
50300330	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	9										9						

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF BRIDGE ENGINEERING
 11/11/83

* 60B-I-3, 60-IB-I-3, 60-12HBY, 2VHBY, 3VHBY, 3VBY, 3HBY-II, 60-1L2,3HRS-1

PLAN SHEET	SECTION	COUNTY	ROUTE	MILE
270	*	MADISON	487	8

① AC/M
② ACBN

ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES			TOTAL QUANTITIES	SN 080-0035 60B-I-3 IL & MO SFTY-2A	SN 080-0037 60B-I-3 FED BOX STATE 82%	② SN 080-0039 60B-2VHBY FED BOX STATE 82%	① SN 080-0041 60B-2VHBY FED BOX STATE 82%	① SN 080-0041 60B-2VHBY FED BOX STATE 82%	② SN 080-0043 60B-3VHBY FED BOX STATE 82%	② SN 080-0043 60B-3VHBY FED BOX STATE 82%	② SN 080-0045 60B-3VBY FED BOX STATE 82%	② SN 080-0045 60B-3VBY FED BOX STATE 82%	② SN 080-0047 60B-3HBY-I FED BOX STATE 82%	② SN 080-0047 60B-3HBY-I FED BOX STATE 82%	① 60-1L2,3HRS-1 FED BOX STATE 82%	① 60-1L2,3HRS-1 STATE 100%	FED BOX STATE 82%	
CODE NO	ITEM	UNIT		SFTY-2A	SFTY-2A	X271-2A	1000-2A	X531-5B	1000-2A	X571-5B	1000-2A	X571-5B	1000-2A	X271-2A	1000-2A	1000-2A	1000-2A	1030-IE
50300516	ELASTOMERIC BEARING ASSEMBLY, TYPE I (SPECIAL)	EACH	9									9						
50300530	FLOOR DRAIN EXTENSION	EACH	55		55													
50301245	FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	3436	2605	482	70			5	125				149				
50500505	STUD SHEAR CONNECTORS	EACH	37503			4836				22146		5805		4716				
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	321			63			30	165				63				
50501110	STRUCTURAL STEEL REMOVAL	POUND	23960	23960														
50501130	STRUCTURAL STEEL REPAIR	POUND	400		400													
50600600	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1														
50600700	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1													
50600800	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1			1												
50600900	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1					1										
50601000	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1							1								
50601200	CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1											1				
50606205	BLASTING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.5	L SUM	1							1								
50606301	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.1	L SUM	1	1														
50606302	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.2	L SUM	1		1													
50606303	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.3	L SUM	1			1												
50606304	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.4	L SUM	1					1										
50606305	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.5	L SUM	1							1								
50606307	POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL BRIDGE NO.7	L SUM	1											1				
50800105	REINFORCEMENT BARS	POUND	5420		5420													
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1177640	19740	29010	120430		111700		484730		257560		154470				
50900500	ALUMINUM RAILING	FOOT	116	105	11													
51100100	SLOPE WALL 4 INCH	SQ YD	848					237		219		142		250				
51202200	FURNISHING CONCRETE PILES	FOOT	9241					600		2950		4059		1632				
51202800	DRIVING CONCRETE PILES	FOOT	9241					600		2950		4059		1632				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF BRIDGE ENGINEERING
 11-1-83

①ACIM
②ACBN

* 60B-1-3, 60-1B-1-3, 60-12HBY, 2VHBY,
3VHBY, 3VBY, 3HBY-11, 60-1L2,3MS-1

PLAN 270	SECTION *	COUNTY MADISON	DATE 487	POST 9
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ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	① SH 060-0035 60B-1-3	② SH 060-0037 60B-1-3	③ SH 060-0039 60B-2VBY	④ SH 060-0041 60B-3VBY	⑤ SH 060-0043 60B-3VBY	⑥ SH 060-0045 60B-3VBY	⑦ SH 060-0047 60B-3HBY-1	⑧ 60-1L2,3MS-1								
SUMMARY OF QUANTITIES			QUANTITIES	R. & NO ①	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%				
CODE NO	ITEM	UNIT		SFT7-2A	SFT7-2A	X271-2A	1000-2A	X531-5B	1000-2A	X571-5B	1000-2A	X571-5B	1000-2A	X271-2A	1000-2A	1000-2A	1032-1F	1000-2A	1030-1E
51204200	TEST PILE CONCRETE	EACH	8					1		2				2					
51205200	TEMPORARY SHEET PILING	SO FT	6542			1334		1144		1334				1359					
51401600	TEMPORARY BRIDGE RAIL	FOOT	689							589	100								
51500100	NAME PLATES	EACH	5			1		1		1				1					
54215547	METAL END SECTIONS 12"	EACH	7				2				2				1			2	
54215967	REINFORCED CONCRETE PIPE ELBOW 12"	EACH	1				1												
54244400	FLUSH INLET BOX FOR MEDIAN, STANDARD 2240	EACH	3								2				1				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	362				105				138				19			100	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	12								8				4				
55100700	STORM SEWER REMOVAL 15"	FOOT	10												10				
58700200	BRIDGE SEAT SEALER	SO FT	3752		25	559		176		1437				782				773	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	83				3		1						4			75	
60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	26635												997			25638	
60100945	PIPE DRAINS 12"	FOOT	720				165				290				105			160	
60107600	PIPE UNDERDRAINS 4"	FOOT	26183												997			25186	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	1117				11		2						44			1060	
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1				1												
60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	7								3				4				
60405740	FRAMES AND GRATES TO BE REMOVED	EACH	9											5	4				
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	9											5	4				
60900305	TYPE D INLET BOX, STANDARD 2443	EACH	16				4		2					4	2			4	
60900515	CONCRETE THRUST BLOCKS	EACH	7				2							2	1			2	
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	15425				462.5		475		1137.5			937.5		600		11812.5	

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* 608-I-3, 60-1B-I-3, 60-12HBY, 2VHBY, 3VHBY, 3VBY, 3HBY-JI, 60-11.2, 3HRS-1

SECTION	COUNTY	TOTAL	DATE
270	MADISON	487	10

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	① AC 114 ② AC 011		① SW 080-0037 608-I-3		① SW 080-0041 608-2VHBY		② SW 040-0043 608-3VHBY		② SW 060-0045 608-3VBY		② SW 060-0047 608-3HBY-1		① 60-11.2, 3HRS-1			
CODE NO	ITEM	UNIT	QUANTITIES	IL & MO STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE	FED STATE
				SFTY-2A	SFTY-2A	X271-2A	I000-2A	X53H-5B	I000-2A	X571-5B	I000-2A	X571-5B	I000-2A	X271-2A	I000-2A	I000-2A	I032-1F	I000-2A	I030-1E
63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	175											25					150
63100165	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL	EACH	33				2		2		2		2		2				23
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	21			1					2		2		2				15
63100060	TRAFFIC BARRIER TERMINAL, TYPE 3B	EACH	1										1						
63100061	TRAFFIC BARRIER TERMINAL, TYPE 3C	EACH	12																12
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	6				1				2		2						
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	10				2		2		2		2						
63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	6										1						5
63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	15225				487.5		362.5		1325				875			562.5	11612.5
63200715	STEEL PLATE BEAM GUARD RAIL REMOVAL, TYPE B	FOOT	200																200
63200720	STEEL PLATE BEAM GUARD RAIL REMOVAL, TYPE C	FOOT	12.5																12.5
63304385	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	16				1		2		1		1					1	10
63304395	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 2	EACH	5						1										4
63304605	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 4	EACH	4				1						2					1	
63304900	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 7	EACH	6				1		2				1					2	
63304905	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 8	EACH	2				1						1						
63304910	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 9	EACH	2								2								
63304915	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 10	EACH	7																7
63305005	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 12	EACH	2										2						
63305205	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES REMOVAL	EACH	1184								1184								
63500105	DELINEATORS	EACH	348																348

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AC/M
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ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SN 080-0035 60B-1-3	SN 080-0037 60B-1-3	SN 080-0039 60B-2HBY	SN 080-0041 60B-2VHBY	SN 080-0043 60B-3VHBY	SN 080-0045 60B-3VBY	SN 080-0047 60B-3HBY-1	60-11.2.3HRS-1								
SUMMARY OF QUANTITIES			QUANTITIES	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%				
CODE NO	ITEM	UNIT		SFT7-2A	SFT7-2A	X271-2A	1000-2A	X531-5B	1000-2A	X571-5B	1000-2A	X571-5B	1000-2A	X271-2A	1000-2A	1000-2A	1032-1F	1000-2A	1030-1E
63500120	DELINEATOR REMOVAL	EACH	453													453			
63700115	CONCRETE BARRIER, DOUBLE FACE	FOOT	1236								1236								
63700400	CONCRETE BARRIER, DOUBLE FACE (SPECIAL)	FOOT	1445								200		1245						
63700600	CONCRETE BARRIER, SINGLE FACE (SPECIAL)	FOOT	300			60		60			60		60		60				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	30													30			
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	30													30			
90100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 2419	EACH	12													12			
90100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 2303	L SUM	1													1			
90100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 2315	L SUM	1													1			
90100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316	L SUM	1													1			
90101500	TRAFFIC CONTROL AND PROTECTION, STANDARD 2315 (SPECIAL)	L SUM	1													1			
90101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1													1			
90103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	120													120			
90106101	TRAFFIC CONTROL AND PROTECTION, STANDARD 2401, LOCATION 1	L SUM	1													1			
90106102	TRAFFIC CONTROL AND PROTECTION, STANDARD 2401, LOCATION 2	L SUM	1													1			
90106103	TRAFFIC CONTROL AND PROTECTION, STANDARD 2401, LOCATION 3	L SUM	1													1			
90301810	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	118555													118555			
90301840	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3245													3245			
90301850	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	205													205			
90301900	SHORT-TERM PAVEMENT MARKING	FOOT	2719													2719			
90400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	10747	5603	2250	486		637		734		565		472					

* 60B-1-3, 60-1B-1-3, 60-12HBY, 2VHBY, 3VHBY, 3VBY, 3HBY-D, 60-1L2, 3RS-1

SECTION	COUNTY	TAX MAP NO.	FILE NO.
270	MADISON	487	12

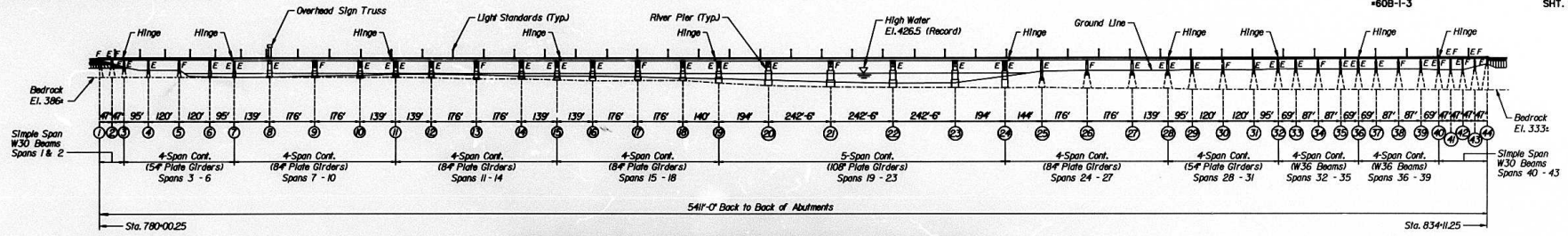
JAC/M
JACBHI

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL	SN 080-0035 60B-1-3		SN 080-0037 60B-1-3		SN 080-0039 60B-2HBY		SN 080-0041 60B-2VHBY		SN 080-0043 60B-3HBY		SN 080-0045 60B-3VBY		SN 080-0047 60B-3HBY-1		60-1L2, 3RS-1		
SUMMARY OF QUANTITIES			QUANTITIES	R & NO. 1	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%	FED 90% STATE 10%
CODE NO	ITEM	UNIT		SFTY-2A	SFTY-2A	X271-2A	X000-2A	X531-5B	X000-2A	X571-5B	X000-2A	X571-5B	X000-2A	X271-2A	X000-2A	X000-2A	X032-IF	X000-2A	X030-IE	
90400500	INSTALL TEMPORARY CONCRETE BARRIER	FOOT	55173	5603	2250	892	960	733	200	119	1340	514	320	872	1040	40330				
90400700	INSTALL TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	21			1	4	1	2	1	4	1	2	1	4					
95100100	LOCATING UNDERGROUND CABLE	FOOT	475																	475
95230400	ELECTRIC CONDUCTORS IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	11355	8625																2730
95400315	UNIT DUCT, 2*6XLP, 1*6 XLP GROUND 1" POLYETHYLENE	FOOT	655																	655
95500100	TRENCH AND BACKFILL FOR ROADWAY LIGHTING	FOOT	638																	638
95612600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	28																	28
95800100	LIGHT POLE FOUNDATION	EACH	2																	2
96034200	LIGHT POLE, STEEL, 35 FT. M.H., TENON MOUNT	EACH	2																	2
96206510	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	2																	2

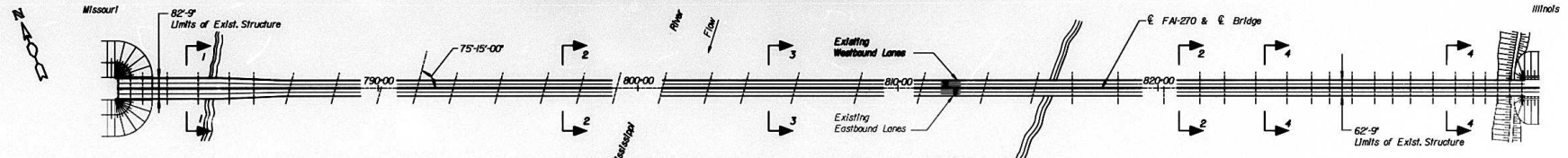
SHEET NO. 27 OF 28

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270		MADISON	487	207
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS PROJECT		
60B-1-3		SHT. 1 OF 59		

Benchmark:
12A cut on east curb of Riverview Drive, Sta. 15-95, Elev. 440.66.

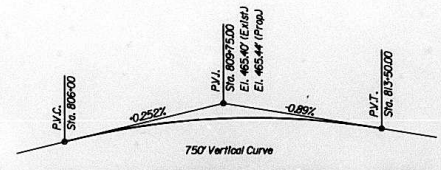


ELEVATION OF EXISTING & REHABILITATED BRIDGE



PLAN OF EXISTING & REHABILITATED BRIDGE

Notes:
For sections 1 thru 4, see sheet 5 of 59.



EXISTING & PROPOSED PROFILE GRADE
Existing and Proposed Grade Along E Bridge of FA-270

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

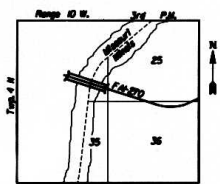
Design Specifications
AASHTO 1992, 1993, 1994 & 1995 Interims
Existing structure design per AASHTO Specifications 1957
with relative AASHTO Specifications for 1956, 1959 & 1960.

Loading HS 20-44

Design Stresses
Concrete
f_c - 3,500 psi
f_y - 60,000 psi
Structural Steel
f_s - 20,000 psi (A270, Gr. 36)
f_s - 27,000 psi (A270, Gr. 50)



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Robert E. Johnson
ENGINEER OF BRIDGES AND STRUCTURES



LOCATION SKETCH

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION OF
REHABILITATION OF MISSISSIPPI RIVER BRIDGE
FA-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

alfred benesch & company
CONSULTING ENGINEERS
505 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60611
JOB NO. 3011

DATE 1996

DRAWING INDEX

MISSISSIPPI RIVER BRIDGE

DRAWG
NO.

DRAWING DESCRIPTION

- TITLE SHEET
- 1 GENERAL PLAN AND ELEVATION OF REHABILITATION OF MISSISSIPPI RIVER BRIDGE
 - 2 DRAWING INDEX MISSISSIPPI RIVER BRIDGE
 - 3 GENERAL NOTES MISSISSIPPI RIVER BRIDGE
 - 4 TOTAL BILL OF MATERIAL MISSISSIPPI RIVER BRIDGE
 - 5 DECK CROSS-SECTIONS; MISSISSIPPI RIVER BRIDGE
 - 6 MAINTENANCE OF TRAFFIC STAGE I; WESTBOUND CONSTRUCTION
 - 7 MAINTENANCE OF TRAFFIC STAGE II; WESTBOUND CONSTRUCTION
 - 8 DECK PLAN RIVER BRIDGE; PART SPANS 1-3 MISSISSIPPI RIVER BRIDGE
 - 9 DECK PLAN RIVER BRIDGE; SPAN 4 AND PART SPAN 5 MISSISSIPPI RIVER BRIDGE
 - 10 DECK PLAN RIVER BRIDGE; PART SPAN 5 & SPANS 6 & 7 MISSISSIPPI RIVER BRIDGE
 - 11 DECK PLAN RIVER BRIDGE; SPANS 8 & 9 MISSISSIPPI RIVER BRIDGE
 - 12 DECK PLAN RIVER BRIDGE; SPANS 10-12 MISSISSIPPI RIVER BRIDGE
 - 13 DECK PLAN RIVER BRIDGE; SPANS 13-15 MISSISSIPPI RIVER BRIDGE
 - 14 DECK PLAN RIVER BRIDGE; SPANS 16-18 & PART SPAN 19 MISSISSIPPI RIVER BRIDGE
 - 15 DECK PLAN RIVER BRIDGE; PART SPANS 19, 20 & 21 MISSISSIPPI RIVER BRIDGE
 - 16 DECK PLAN RIVER BRIDGE; PART SPAN 21 & SPANS 22 & 23 MISSISSIPPI RIVER BRIDGE
 - 17 DECK PLAN RIVER BRIDGE; SPANS 24-26 & PART SPAN 27 MISSISSIPPI RIVER BRIDGE
 - 18 DECK PLAN RIVER BRIDGE; PART SPAN 27 & SPANS 28-31 MISSISSIPPI RIVER BRIDGE
 - 19 DECK PLAN RIVER BRIDGE; SPANS 32-37 MISSISSIPPI RIVER BRIDGE
 - 20 DECK PLAN RIVER BRIDGE; SPANS 38-43 MISSISSIPPI RIVER BRIDGE
 - 21 NORTH PARAPET & DECK OVERHANG; SPANS 1-6 MISSISSIPPI RIVER BRIDGE
 - 22 NORTH PARAPET & DECK OVERHANG; SPANS 7 - 10 MISSISSIPPI RIVER BRIDGE
 - 23 NORTH PARAPET & DECK OVERHANG; SPANS 11 - 14 MISSISSIPPI RIVER BRIDGE
 - 24 NORTH PARAPET & DECK OVERHANG; SPANS 15 - 18 MISSISSIPPI RIVER BRIDGE
 - 25 NORTH PARAPET & DECK OVERHANG; SPANS 19 - 20 MISSISSIPPI RIVER BRIDGE
 - 26 NORTH PARAPET & DECK OVERHANG; SPANS 21 - 22 MISSISSIPPI RIVER BRIDGE
 - 27 NORTH PARAPET & DECK OVERHANG; SPANS 23 - 24 MISSISSIPPI RIVER BRIDGE
 - 28 NORTH PARAPET & DECK OVERHANG; SPANS 25 - 27 MISSISSIPPI RIVER BRIDGE
 - 29 NORTH PARAPET & DECK OVERHANG; SPANS 28 - 32 MISSISSIPPI RIVER BRIDGE
 - 30 NORTH PARAPET & DECK OVERHANG; SPANS 33 - 39 MISSISSIPPI RIVER BRIDGE
 - 31 NORTH PARAPET & DECK OVERHANG; SPANS 40 - 43 MISSISSIPPI RIVER BRIDGE
 - 32 MEDIAN PARAPET ELEVATION; SPANS 1 - 6 MISSISSIPPI RIVER BRIDGE
 - 33 MEDIAN PARAPET ELEVATION; SPANS 7 - 10 MISSISSIPPI RIVER BRIDGE
 - 34 MEDIAN PARAPET ELEVATION; SPANS 11 - 14 MISSISSIPPI RIVER BRIDGE
 - 35 MEDIAN PARAPET ELEVATION; SPANS 15 - 18 MISSISSIPPI RIVER BRIDGE
 - 36 MEDIAN PARAPET ELEVATION; SPANS 19 - 20 MISSISSIPPI RIVER BRIDGE
 - 37 MEDIAN PARAPET ELEVATION; SPANS 21 - 22 MISSISSIPPI RIVER BRIDGE
 - 38 MEDIAN PARAPET ELEVATION; SPANS 23 - 24 MISSISSIPPI RIVER BRIDGE
 - 39 MEDIAN PARAPET ELEVATION; SPANS 25 - 27 MISSISSIPPI RIVER BRIDGE
 - 40 MEDIAN PARAPET ELEVATION; SPANS 28 - 32 MISSISSIPPI RIVER BRIDGE
 - 41 MEDIAN PARAPET ELEVATION; SPANS 33 - 39 MISSISSIPPI RIVER BRIDGE
 - 42 MEDIAN PARAPET ELEVATION; SPANS 40 - 43 MISSISSIPPI RIVER BRIDGE
 - 43 STEEL DETAILS - MISSISSIPPI RIVER BRIDGE MISSISSIPPI RIVER BRIDGE
 - 44 PARAPET, DECK OVERHANG & RAILING REPAIR DETAILS MISSISSIPPI RIVER BRIDGE
 - 45 EXPANSION JOINTS AT PIERS 1 & 44 MISSISSIPPI RIVER BRIDGE
 - 46 EXPANSION JOINTS AT PIERS 2, 41, 42 & 43 MISSISSIPPI RIVER BRIDGE
 - 47 PREFORMED JOINT SEAL DETAILS
 - 48 GENERAL PLAN (BY RALPH HAHN & ASSOCIATES)
 - 49 REMOVAL & BILL OF MATERIAL (BY RALPH HAHN & ASSOCIATES)
 - 50 DECK REPLACEMENT (BY RALPH HAHN & ASSOCIATES)
 - 51 EXPANSION DEVICES AT PIERS 11 & 15 (BY RALPH HAHN & ASSOCIATES)
 - 52 EXPANSION DEVICES AT PIERS 3, 32, 36 & 40 (BY RALPH HAHN & ASSOCIATES)
 - 53 EXPANSION DEVICES AT PIERS 7 & 28 (BY RALPH HAHN & ASSOCIATES)
 - 54 EXPANSION DEVICES AT PIERS 19 & 24 (BY RALPH HAHN & ASSOCIATES)
 - 55 TROUGH DETAILS (BY RALPH HAHN & ASSOCIATES)
 - 56 STEEL DETAILS (BY RALPH HAHN & ASSOCIATES)
 - 57 STEEL REMOVALS (BY RALPH HAHN & ASSOCIATES)
 - 58 BAR SPLICES (BY RALPH HAHN & ASSOCIATES)
 - 59 TEMPORARY CONCRETE BARRIER

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	407	208
STA.		TO STA.		
F.H.W.A. REGION		ELLIPS	PROJECT	

* 60B-1-3

SHT. 2 OF 59

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN



alfred benesch & company
CONSULTING ENGINEERS
308 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAWING INDEX

MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

GENERAL NOTES


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	209
STA.		TO STA.		
F.W.M.A. REGION		ILLINOIS	PROJECT	

#60B-I-3 SHT. 3 OF 59

- 1) Fasteners shall be High strength bolts $\frac{3}{8}$ " diameter, open holes $\frac{3}{8}$ " diameter, unless otherwise noted.
- 2) Calculated weight of Structural Steel - 107,485 LBS AASHTO M270 Grade 36.
Calculated weight of Structural Steel - 80730 LBS AASHTO M270 Grade 50.
(Weights of Structural Steel are taken from both ALFRED BENESCH & CO. drawings and RALPH HAHN & ASSOCIATES drawings.)
- 3) All structural steel shall be AASHTO M270 Grade 36 except as noted.
- 4) Field welding of construction accessories will not be permitted to the bottom flange of girders or top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
- 5) Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.
- 6) Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 7) Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.
- 8) The roadway expansion plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.
- 9) The paint on the existing structural steel contains lead. Precautions shall be taken to protect workers and the environment as required by Local, State, and Federal Regulations.
- 10) Any existing reinforcement bars that are corroded or damaged during concrete removal shall be replaced with an approved bar splice or anchorage system. Cost incidental to "Concrete Removal".

- 11) Expansion Joint plates and attached bars shall be shop painted with Inorganic Zinc - Rich Primer.
- 12) The Inorganic Zinc-Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat shall be Light Grey, Munsell No. 10Y 7/1. See Special Provisions for "Cleaning and Painting Metal Structures".
- 13) Reinforcement bars designated (E) shall be Epoxy Coated.
- 14) Deck repairs are based on 01/25/96 & 03/25/96 I.R.T. and 02/10/96 & 04/02/96 G.P.R.
- 15) Cleaning and painting specified areas of the existing structural steel shall be in accordance with the Special Provision for "Cleaning and Painting Existing Steel Structures Overcoat System. All exist. structural steel within 10 feet of either side of expansion joints, the entire surface areas of the outside fascia plate girders, and the entire surface areas of the inside face of each interior plate girder adjacent to the longitudinal joint shall be cleaned by Method 2. The entire surface areas include the flange areas adjacent to the webs, and the entire area of the bottom flange and 10 feet up on the web from bottom flange on inside of each girder. A Carboline Company Topcoat System shall be used. All specified areas to be cleaned, shall have one coat of Rustbound Penetrating Sealer applied, followed by one coat of Carbomastic 15 LD C90. No top coat is required.
- 16) Pay Item "Concrete Bridge Deck Scarification" shall be used for Scarification of 2 Inches in spans 32 through 35.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN


alfred benesch & company
CONSULTING ENGINEERS
 242 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604
 JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER

WESTBOUND BRIDGE REPAIR

SECTION 60B-I-3

MADISON COUNTY

STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	210
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

60B-I-3

SHT. 4 OF 59

TOTAL BILL OF MATERIAL

ITEM	UNIT	ALFRED BENESCH & CO.	RALPH HAHN & ASSOCIATES	TOTAL
		SUPERSTRUCTURE	SUPERSTRUCTURE	
PROTECTIVE COAT	SQ.YD.	2,805	696	2,674.6
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ.YD.	15,900		15,900
CONCRETE REMOVAL	CU.YD.	30	73.0	103
PREFORMED JOINT SEAL, 1 3/4"	FOOT	78		78
PREFORMED JOINT SEAL, 2 1/2"	FOOT	145		145
CONCRETE SUPERSTRUCTURE	CU.YD.	30	77.1	107.1
FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 5")**	SQ.FT.	2,605		2,605
FURNISHING & ERECTING STRUCTURAL STEEL	L SUM		1	1
STRUCTURAL STEEL REMOVAL	POUND		23,960	23,960
REINFORCEMENT BARS, EPOXY COATED	POUND	5,120	14,620	19,740
ALUMINUM RAILING	FOOT	105		105
POLYMER MODIFIED PORTLAND CEMENT MORTAR	CU.FT.	634		634
BAR SPACERS	EACH	108	208	316
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 1/2"	SQ.YD.	16,802		16,802
CONCRETE BRIDGE DECK SCARIFICATION (1/2 INCH)	SQ.YD.	15,866		15,866
DECK SLAB REPAIR (PARTIAL)	SQ.YD.	1,880		1,880
DECK SLAB REPAIR (FULL-DEPTH TYPE I)	SQ.YD.	56		56
DECK SLAB REPAIR (FULL-DEPTH TYPE II)	SQ.YD.	538		538
PLUGGING EXISTING DECK DRAIN	EACH	84		84
REINFORCED NEOPRENE EXPANSION JOINT TREATMENT	FOOT		311	311
CLEANING DRAINAGE STRUCTURES	EACH	25		25
ALUMINUM RAILING POST REPAIR	EACH	35		35
BRIDGE DECK GROOVING	SQ.YD.	15,542		15,542
CONCRETE BRIDGE DECK SCARIFICATION	SQ.YD.	936		936
CLEANING AND PAINTING STEEL BRIDGE	L SUM	1		1
POWER TOOL CLEANING RESIDUE CONTAINMENT AND DISPOSAL	L SUM	1		1

** WHERE "FORMED CONCRETE REPAIR (5") APPEARS IN THE PLANS IT SHALL BE TAKEN TO BE EQUIVALENT TO FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 5")

ILLINOIS DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

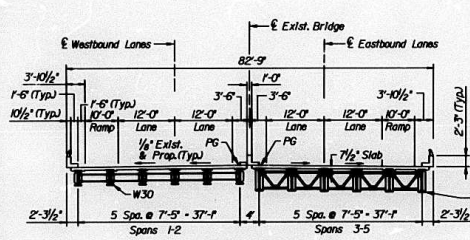
DATE 1996

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CHECKED	DM
DRAWN	CD
CHECKED	JN

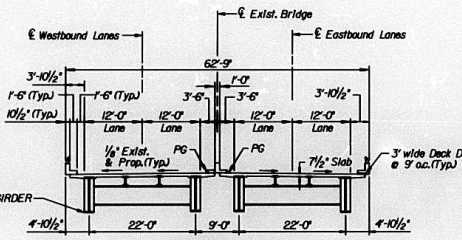


alfred benesch & company
CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60608
JOB NO. 3071

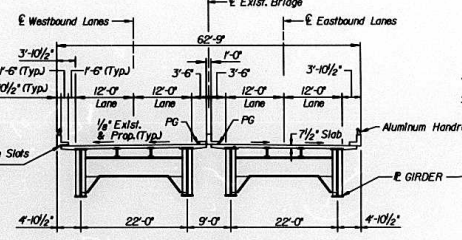
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FA-270	*	MADISON	487	211
STA.		TO STA.		
F.A.W.A. REGION		ILLINOIS PROJECT		
*60B-I-3		SHT. 5 OF 59		



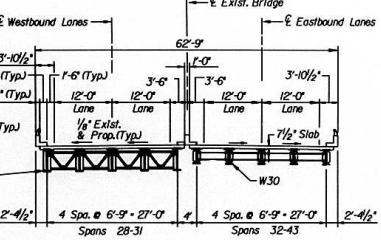
SECTION 1
(Span 6 similar)
Looking East



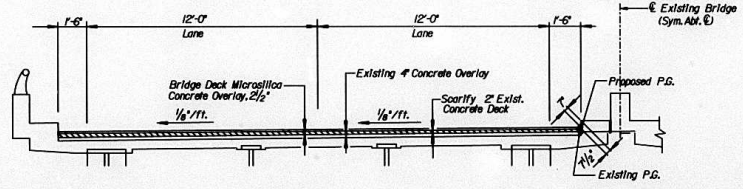
SECTION 2
Spans 8-18 & 24-27
(Span 7 similar)
Looking East



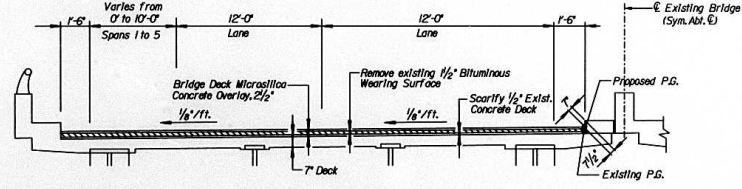
SECTION 3
Spans 19-23
Looking East



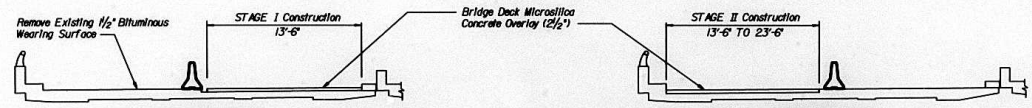
SECTION 4
Looking East



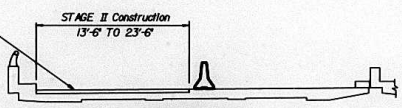
PROPOSED CROSS SECTION
(Looking East)
Westbound Lanes (Showing Spans 32-35)



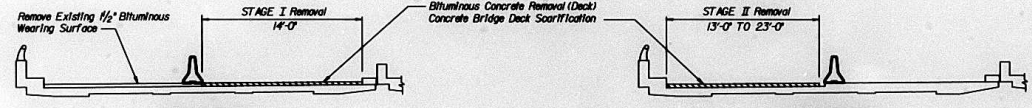
PROPOSED CROSS SECTION
(Looking East)
Westbound Lanes (Showing Spans 1-31 & 36-43)



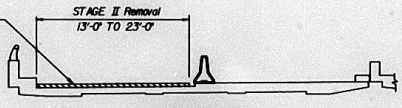
STAGE I CONSTRUCTION
(Looking East)
Westbound Lanes



STAGE II CONSTRUCTION
(Looking East)
Westbound Lanes



STAGE I REMOVAL
(Looking East)
Westbound Lanes



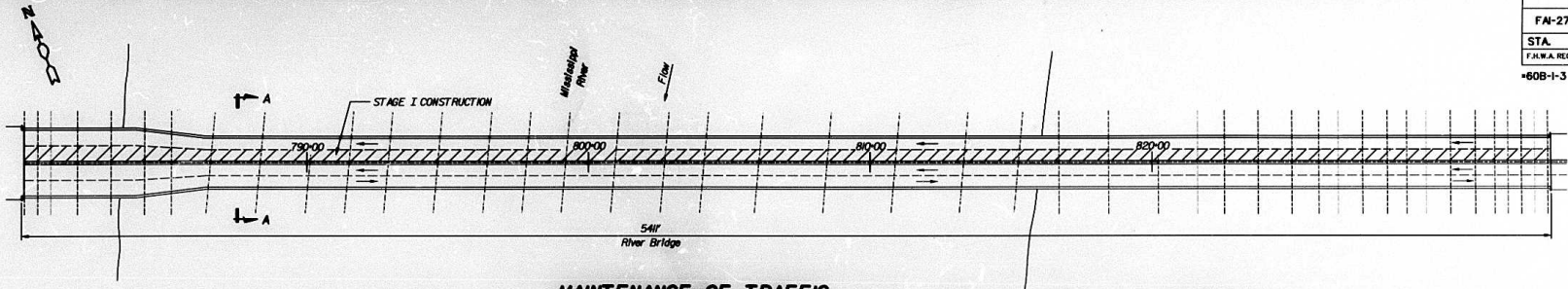
STAGE II REMOVAL
(Looking East)
Westbound Lanes

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

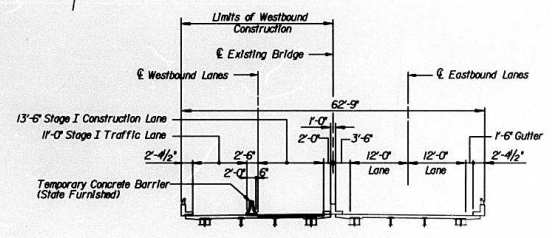
alfred benesch & company
CONSULTING ENGINEERS
285 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60611
JOB NO. 3071

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DECK CROSS SECTIONS
MISSISSIPPI RIVER BRIDGE**
FA-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035
DATE 1996

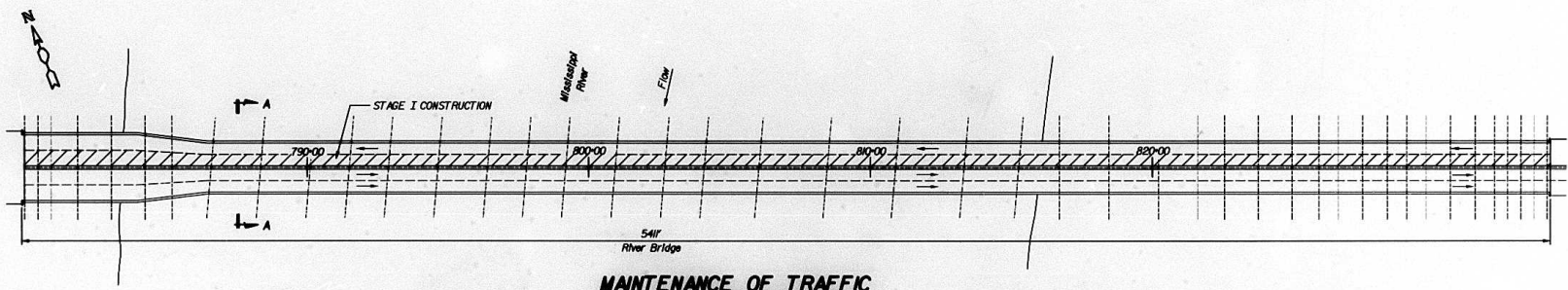
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	487	212
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	
*60B-I-3		SHT. 6 OF 59		



MAINTENANCE OF TRAFFIC
MORNING TRAFFIC




SECTION A-A
CONSTRUCTION STAGE I
(RIVER BRIDGE)



MAINTENANCE OF TRAFFIC
AFTERNOON TRAFFIC

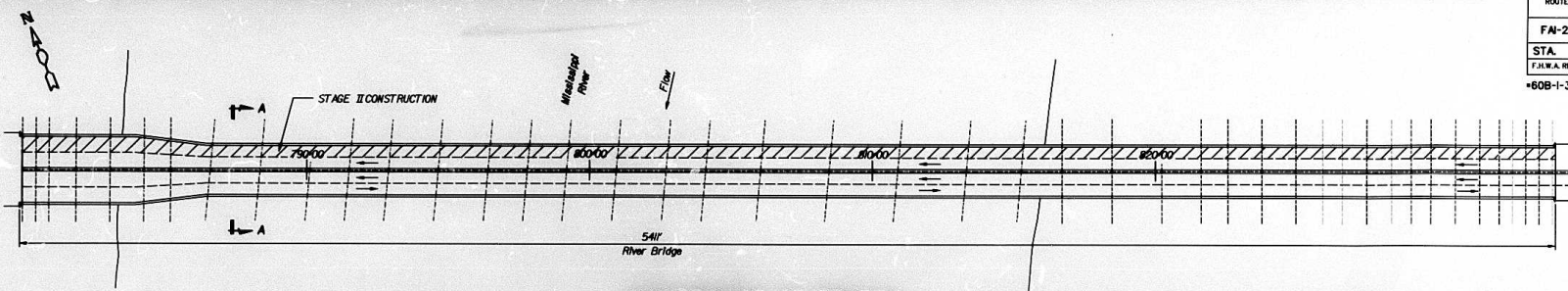
DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN


alfred benesch & company
FORMERLY THE ENGINEERS
 300 NORTH WASHINGTON AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3011

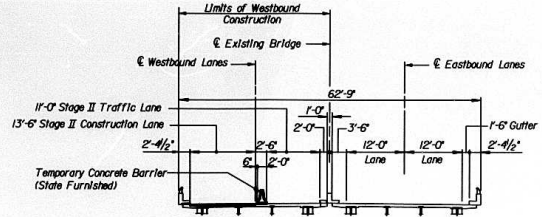
ILLINOIS DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC - STAGE I
WESTBOUND LANES CONSTRUCTION
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

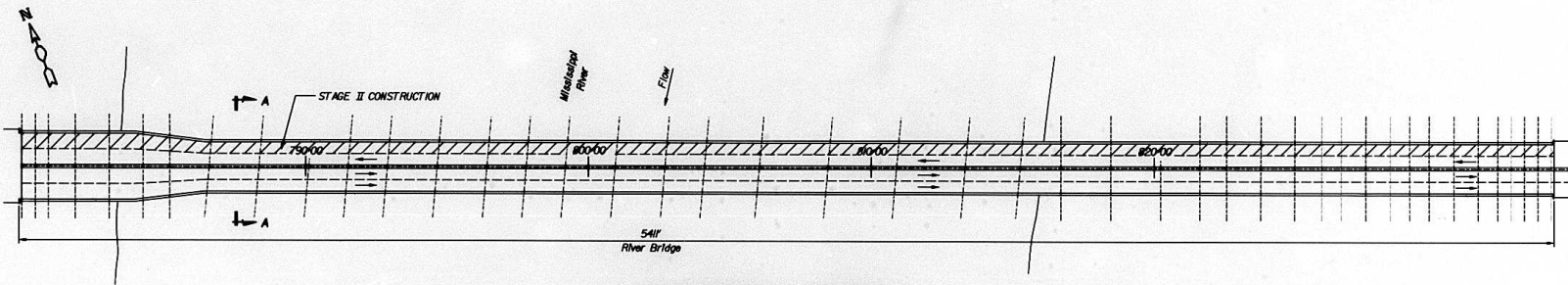
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	•	MADISON	487	213
STA.	TO STA.			
I.H.W.A. REGION		ILLINOIS	PROJECT	
*60B-1-3		SHT. 7 OF 59		



MAINTENANCE OF TRAFFIC
MORNING TRAFFIC



SECTION A-A
CONSTRUCTION STAGE II
(RIVER BRIDGE)



MAINTENANCE OF TRAFFIC
AFTERNOON TRAFFIC

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

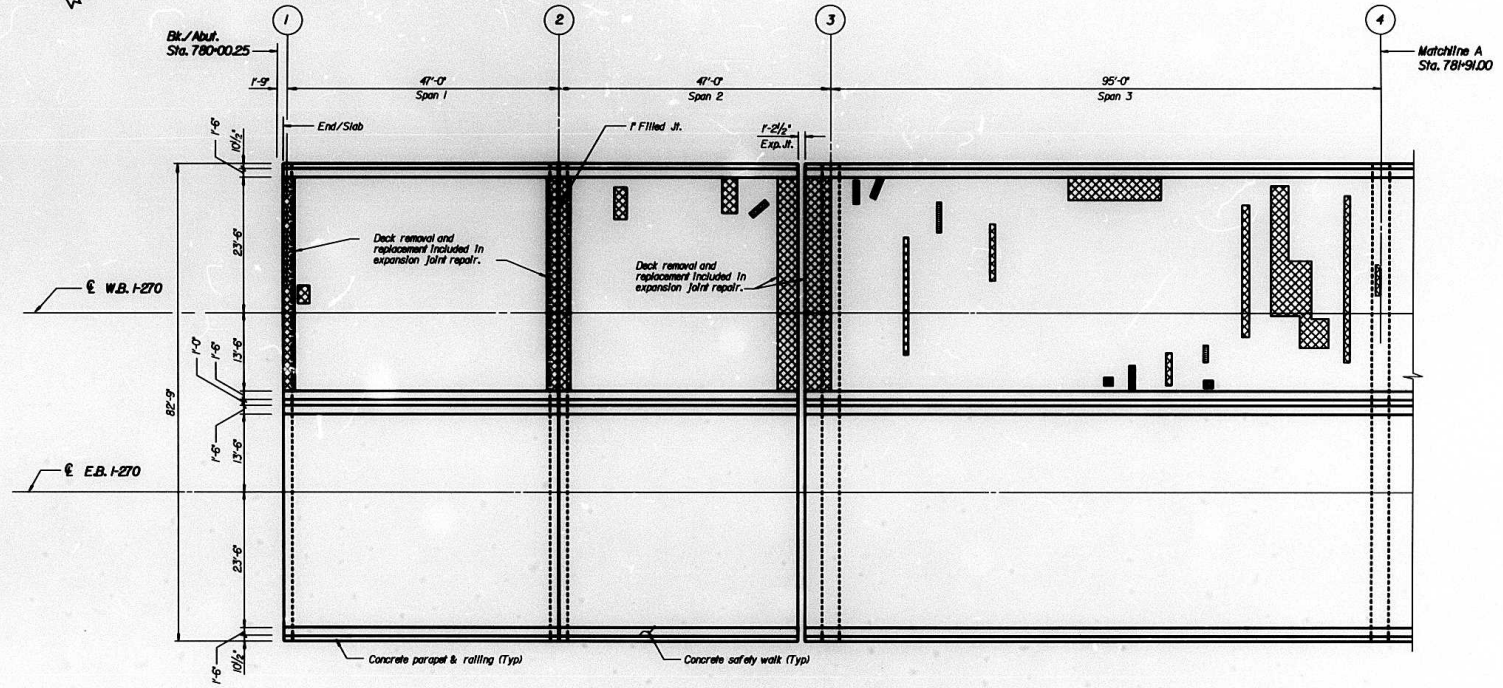
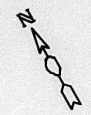


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JOB NO. 301

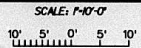
ILLINOIS DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC - STAGE II
WESTBOUND LANES CONSTRUCTION
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	487	214
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
*60B-I-3			SHT. 8 OF 59	



DECK PLAN: SPANS 1, 2 & 3



SPAN	BILL OF MATERIAL		
	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE II)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
1	0	0	0.87
2	0.39	0	2.89
3	0.89	1.58	32.28

NOTE:
 DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 JOB NO. 309

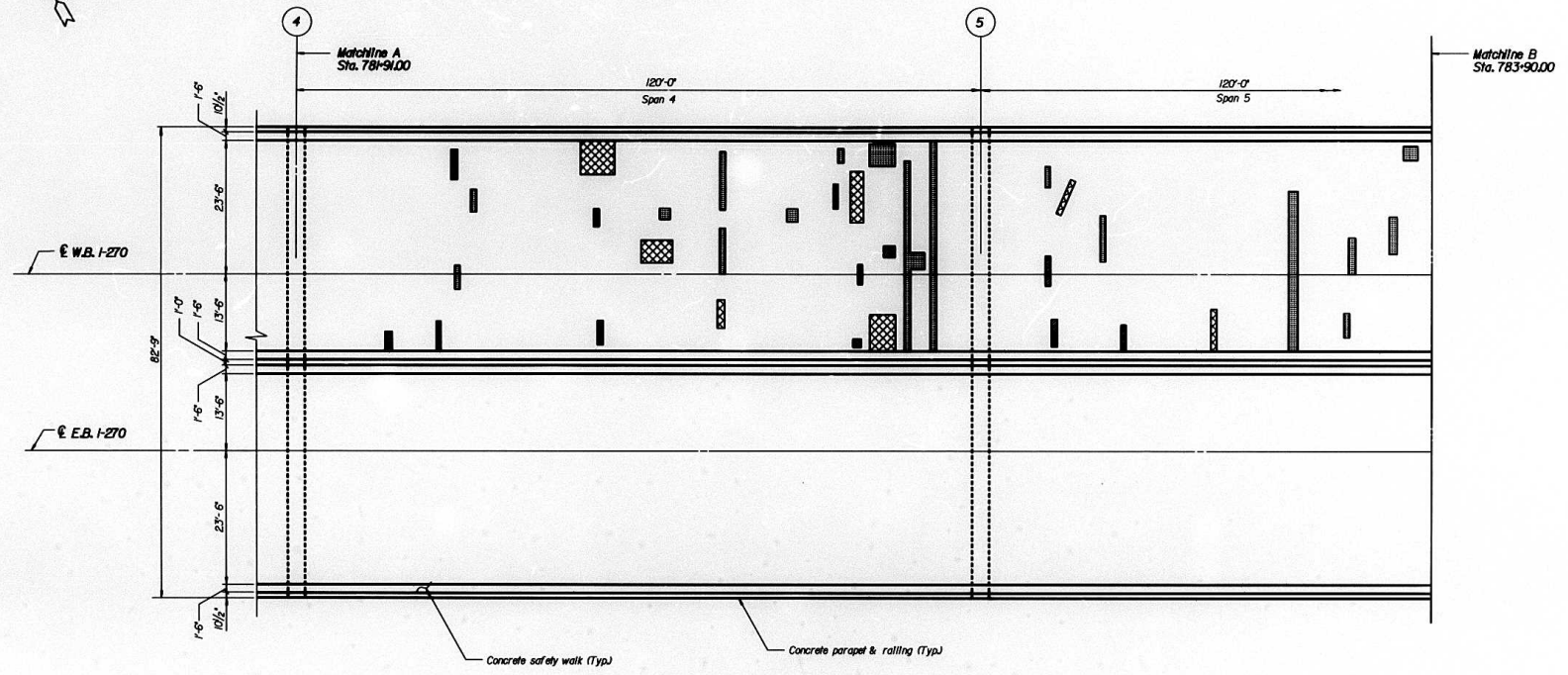
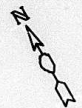


Engineering Architecture
 100 North Dearborn Street, Suite 100
 Chicago, Illinois 60610
 Tel: 312.329.2000 Fax: 312.329.2001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 1, 2 & 3
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	407	215
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
*608-1-3		SHT. 9 OF 59		



DECK PLAN: SPANS 4 & PART SPAN 5

Scale: 1/10'-0"
 10' 5' 0' 5' 10'

BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
4	13.89	3.89	12.61
5 (THIS SHEET)	9.11	1.67	1.44

NOTE:
 DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.-IT REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

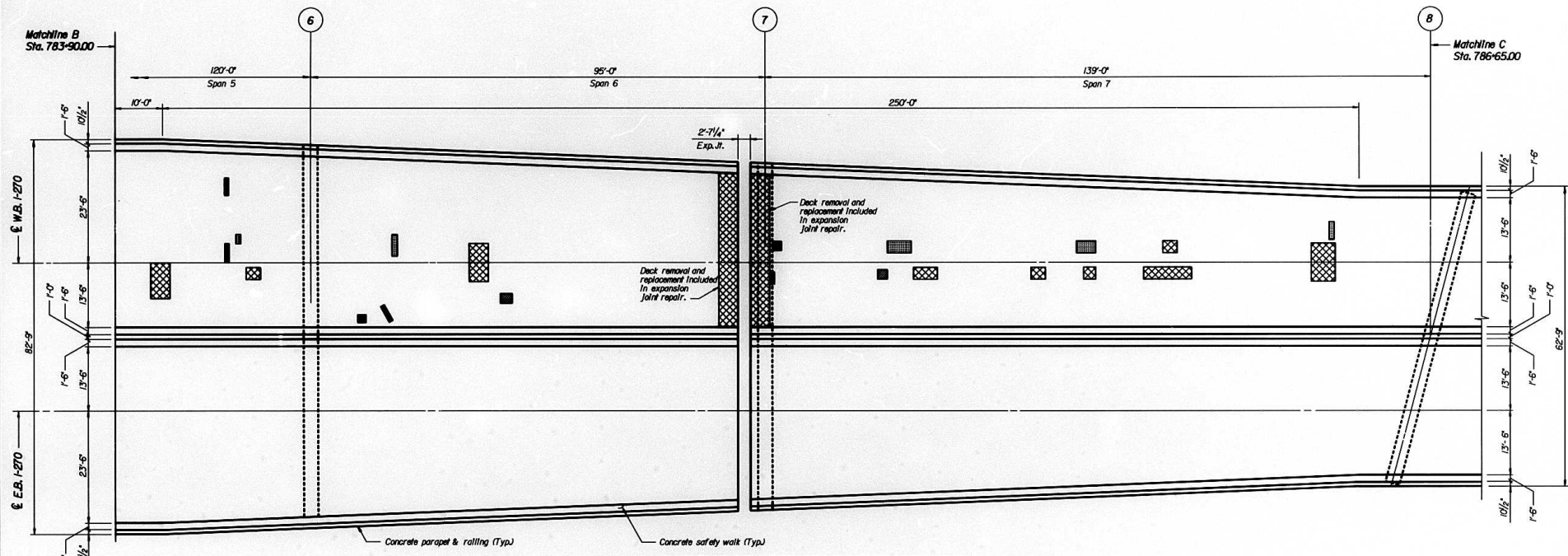
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 CONSULTING ENGINEERS
 300 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 2091



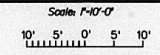
Engineering Architects
 200 North Dearborn Street
 Chicago, Illinois 60610
 Tel: 312.329.2000 Fax: 312.329.2001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 4 & PART SPAN 5
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 608-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996



DECK PLAN: PART SPAN 5 & SPANS 6 & 7



BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE ID)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
5 (THIS SHEET)	0.17	0.83	4.17
6	0.50	1.25	3.56
7	2.94	1.67	10.97

NOTE:
 DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3071

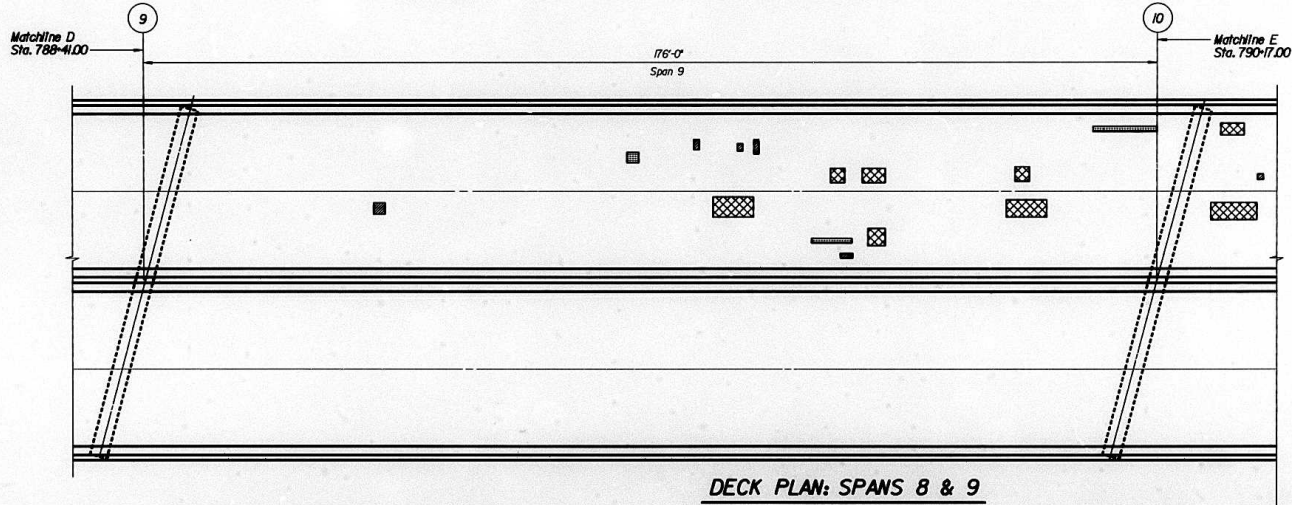
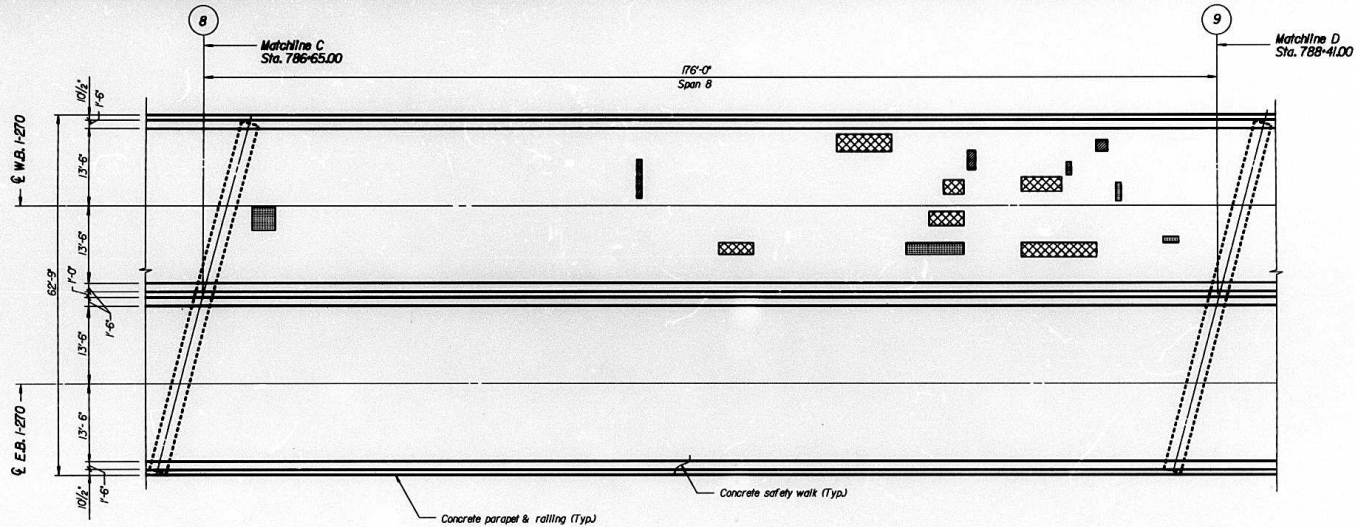


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ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: PART SPAN 5 & SPANS 6 & 7
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

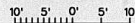
DATE 1996

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	217
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
*60B-I-3			SHT. 11 OF 59	



DECK PLAN: SPANS 8 & 9

Scale: 1"=10'-0"



BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE ID)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
8	4.67	1.28	13.03
9	2.44	1.39	8.56

NOTE:
DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.-JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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300 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3071

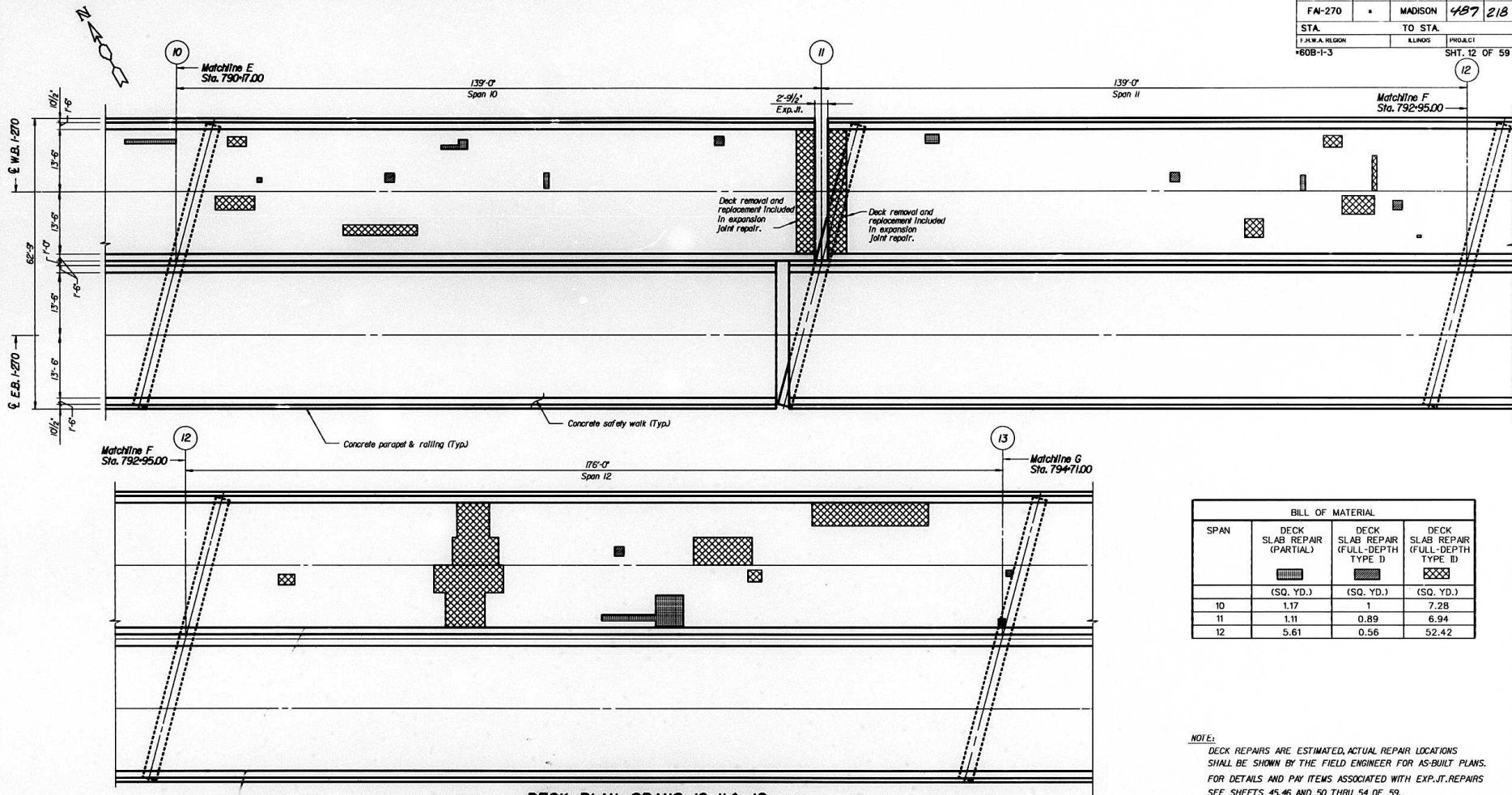
EnTech
Engineering & Technology
1111 North Dearborn Street
Chicago, IL 60610

Engineering Architecture
1111 North Dearborn Street
Chicago, IL 60610

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK PLAN: SPANS 8 & 9
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270		MADISON	487	218
STA.	TO STA.			
608-1-3	KILGOS		PROJECT	
			SHT. 12 OF 59	



DECK PLAN: SPANS 10, 11 & 12

Scale: 1"=10'-0"
 10' 5' 0' 5' 10'

SPAN	BILL OF MATERIAL		
	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE I)	DECK SLAB REPAIR (FULL-DEPTH TYPE II)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
10	1.17	1	7.28
11	1.11	0.89	6.94
12	5.61	0.56	52.42

NOTE:
 DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45.46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011

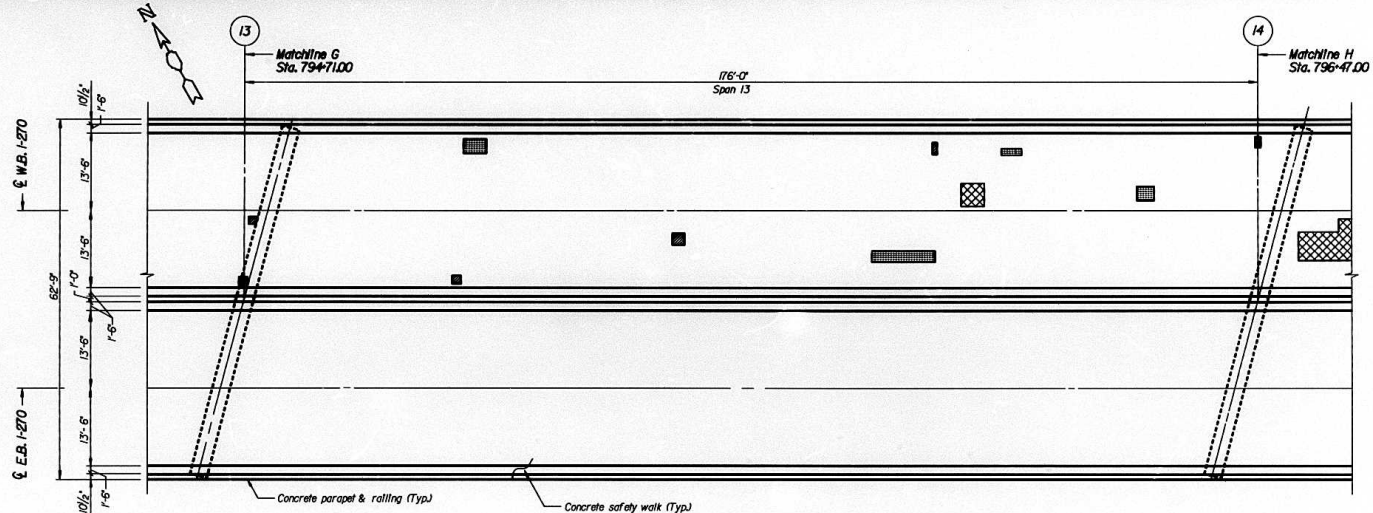
EnTech
 ENGINEERING & TECHNOLOGY
 1111 S. WASHINGTON ST., CHICAGO, ILL. 60605

Engineering Architecture
 200 North Dearborn Street, Suite 200
 Chicago, Illinois 60610
 312-467-1000

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 10, 11 & 12
 MISSISSIPPI RIVER BRIDGE
 FA-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

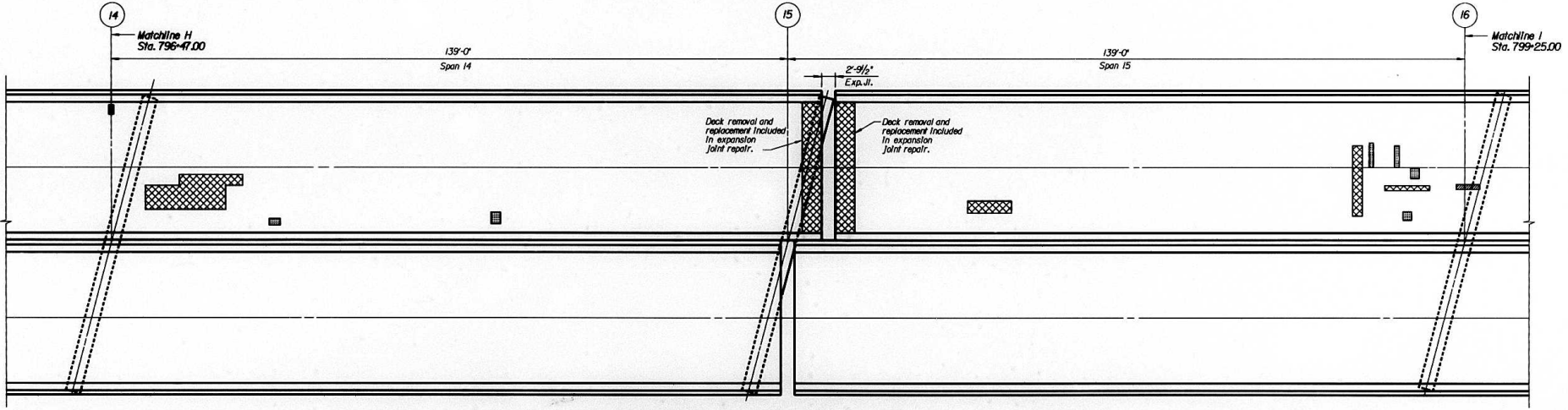
DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	219
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
#60B-I-3			SHT. 13 OF 59	



BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE I)	DECK SLAB REPAIR (FULL-DEPTH TYPE II)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
13	4.94	1.47	1.78
14	1	0.11	12.06
15	2.06	0.22	6.78

NOTE:
DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.JT.REPAIRS SEE SHEETS 45,46 AND 50 THRU 54 OF 59.



DECK PLAN: SPANS 13, 14 & 15

Scale: 1/4"=1'-0"
10' 5' 0' 5' 10'

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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200 NORTH MONROE AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

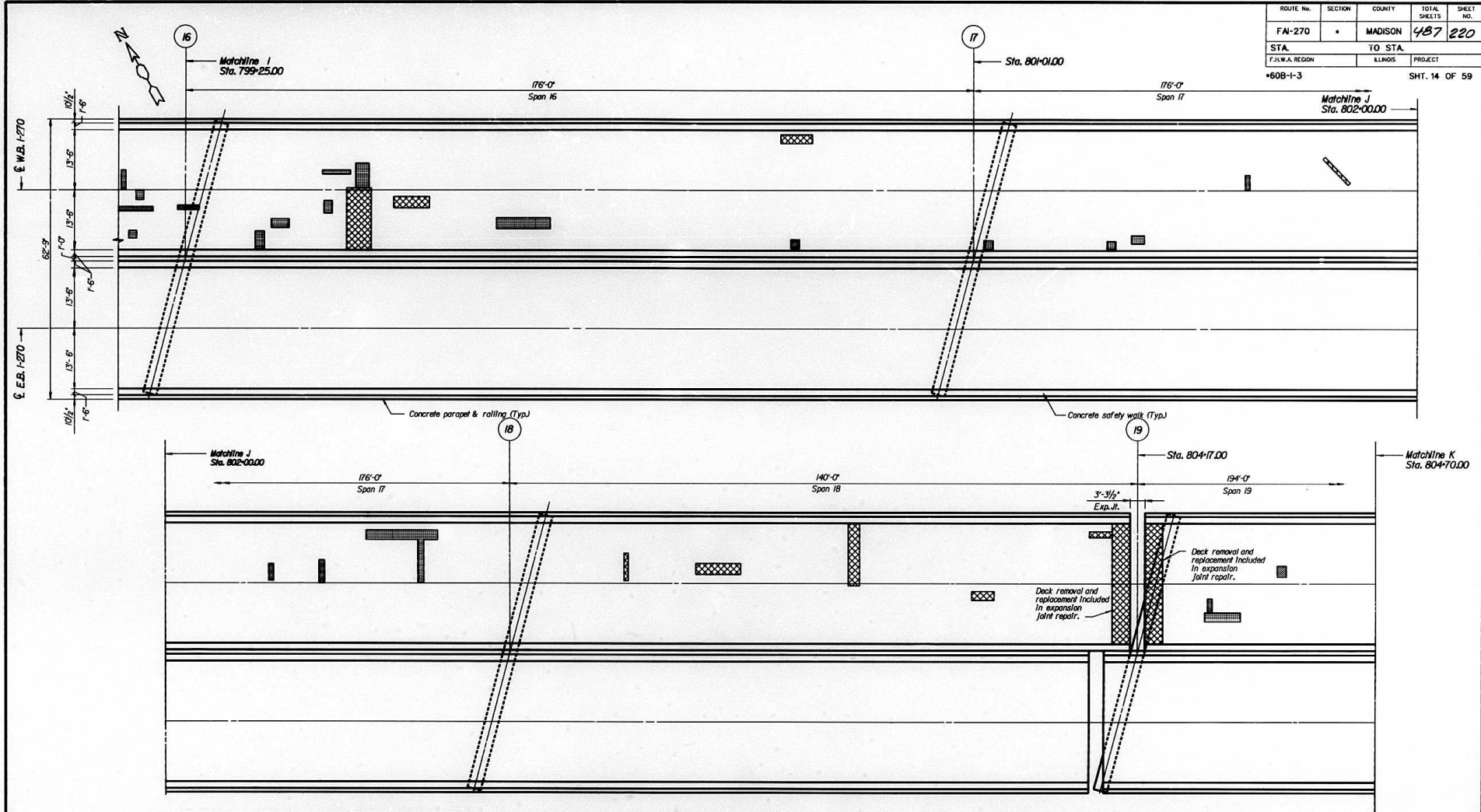


Engineering Architecture
101 South Dearborn Street, Suite 200
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ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK PLAN: SPANS 13, 14 & 15
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

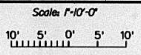
DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	220
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
*60B-I-3			SHT. 14 OF 59	



SPAN	BILL OF MATERIAL		
	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE ID)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
16	8.33	0.83	12.33
17	6.69	1.44	0.89
18	0	0	9.28
19 (THIS SHEET)	1.79	0.89	0

DECK PLAN: SPANS 16, 17, 18 & PART SPAN 19



NOTE:
 DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 300 NORTH BROADWAY AVENUE, CHICAGO, ILLINOIS 60608
 JOHN W. BENESH, P.E., F.C.E.
 JOHN W. BENESH, P.E., F.C.E.

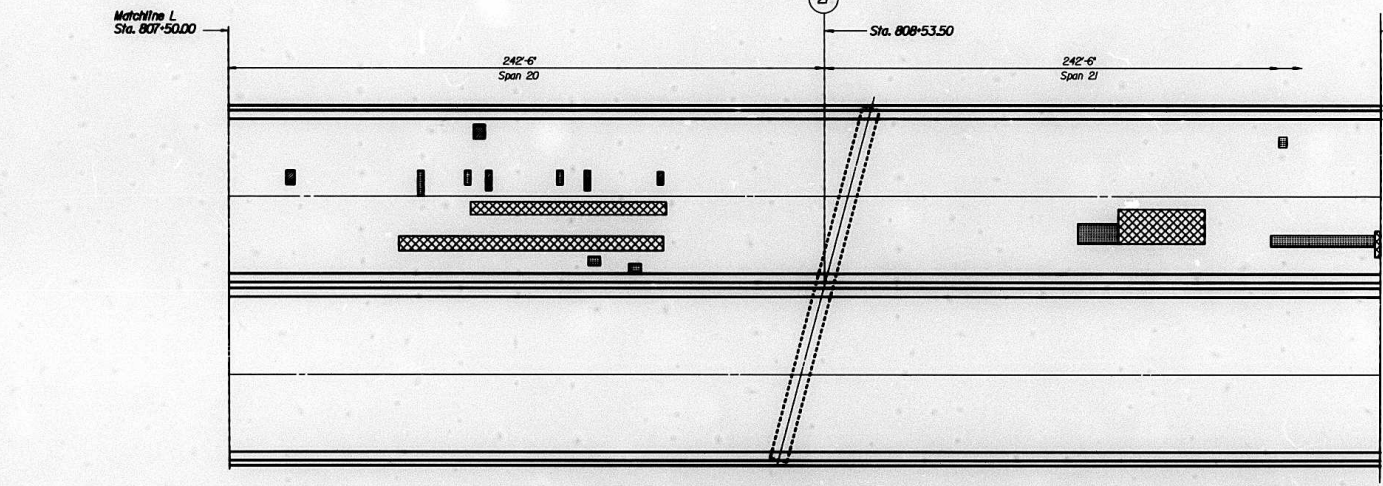
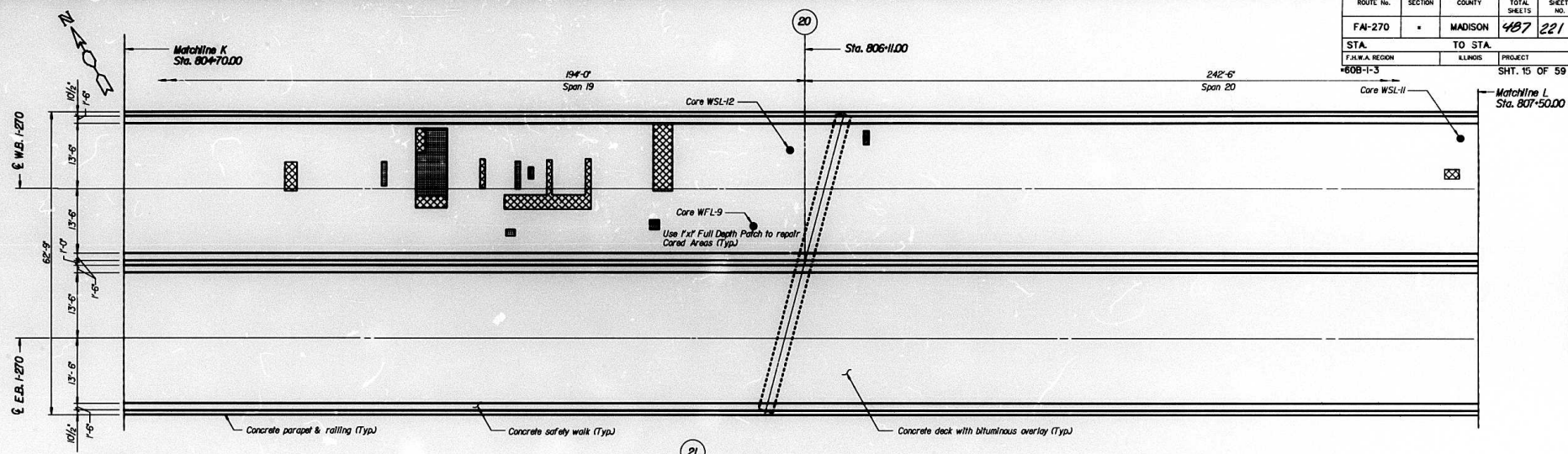
EnTech
 CONSULTING ENGINEERS
 1111 S. MICHIGAN AVE., SUITE 200
 CHICAGO, ILLINOIS 60605

Engineering Architecture
 100 W. Madison Street, Suite 200
 Chicago, Illinois 60602
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 Fax: 312.467.1001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 16, 17, 18 & PART SPAN 19
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOWN BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270	*	MADISON	487	221
STA.	TO STA.		PROJECT	
608+1-3	ILLINOIS		SHT. 15 OF 59	



BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE ID)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
19 (THIS SHEET)	10.83	0.44	19.03
20	1.72	2.36	21.94
21 (THIS SHEET)	8.42	0	10.50

NOTE:
DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.-JT. REPAIRS SEE SHEETS 45.46 AND 50 THRU 54 OF 59.

DECK PLAN: SPANS 19, 20, & 21

Scale: 1"=10'-0"

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 300 NORTH GARDEN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3071

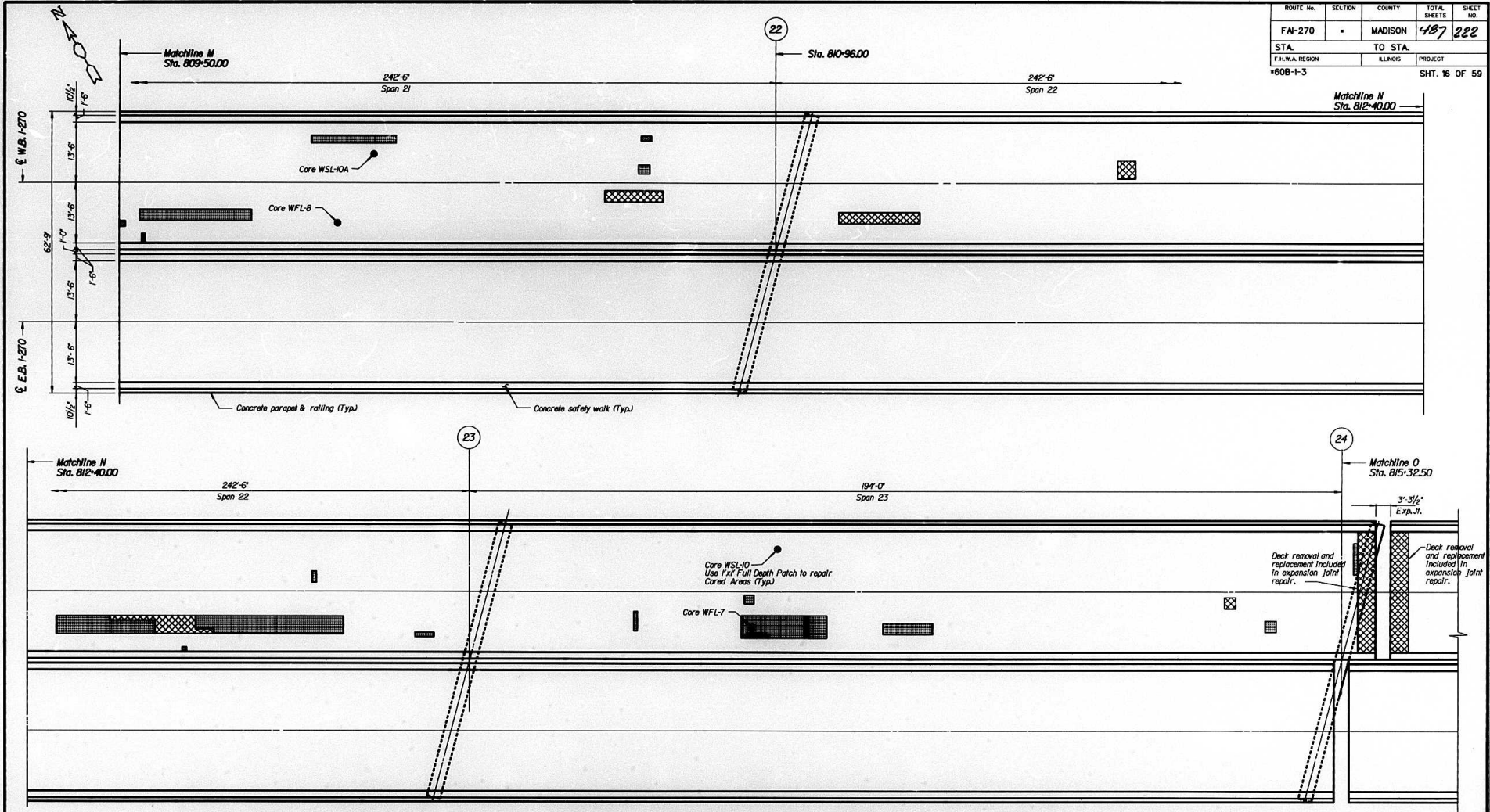


Engineering Architects
 300 North Dearborn Street
 Chicago, Illinois 60610
 Tel: 312.329.2000 Fax: 312.329.2001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 19, 20 & 21
 MISSISSIPPI RIVER BRIDGE
 FA-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 608-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

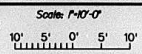
DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	222
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
*60B-I-3			SHT. 16 OF 59	



BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
21 (THIS SHEET)	10.67	0.61	3.61
22	23.50	0	12.50
23	14.14	1.11	0.69

DECK PLAN: PART SPAN 21 & SPANS 22 & 23



NOTE:
 DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS.
 FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.-JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

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 200 NORTH MONROE AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011

Intech
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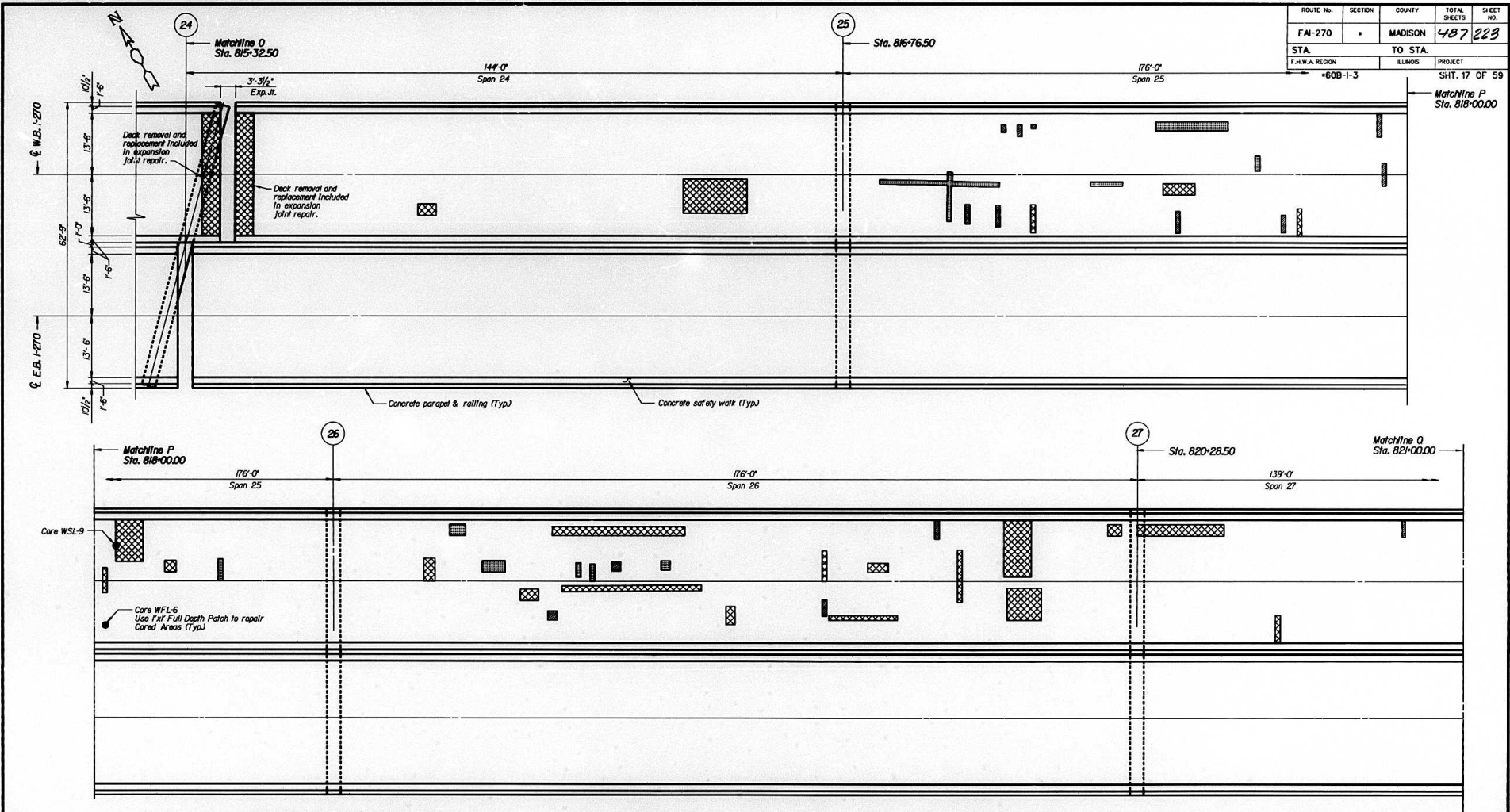
Engineering Architecture
 200 North Dearborn Street, 20th Floor
 Chicago, Illinois 60610
 Tel: 312.329.2000 Fax: 312.329.2001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: PART SPAN 21 & SPANS 22 & 23
 MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

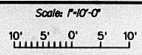
DATE 1996

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	223
STA.	TO STA.		PROJECT	
ILLINOIS REGION	ILLINOIS		+60B-I-3	



SPAN	BILL OF MATERIAL		
	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
24	0	0	14.33
25	9.33	2.50	10.58
26	3.58	1.72	29.17
27 (THIS SHEET)	0	0.39	5.94

DECK PLAN: SPANS 24, 25, 26 & PART SPAN 27



NOTE:
 DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

alfred benesch & company
 CONSULTING ENGINEERS
 200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3071

EnTech
 ENGINEERING ARCHITECTURE
 1111 S. STATE ST., SUITE 200
 CHICAGO, ILLINOIS 60605

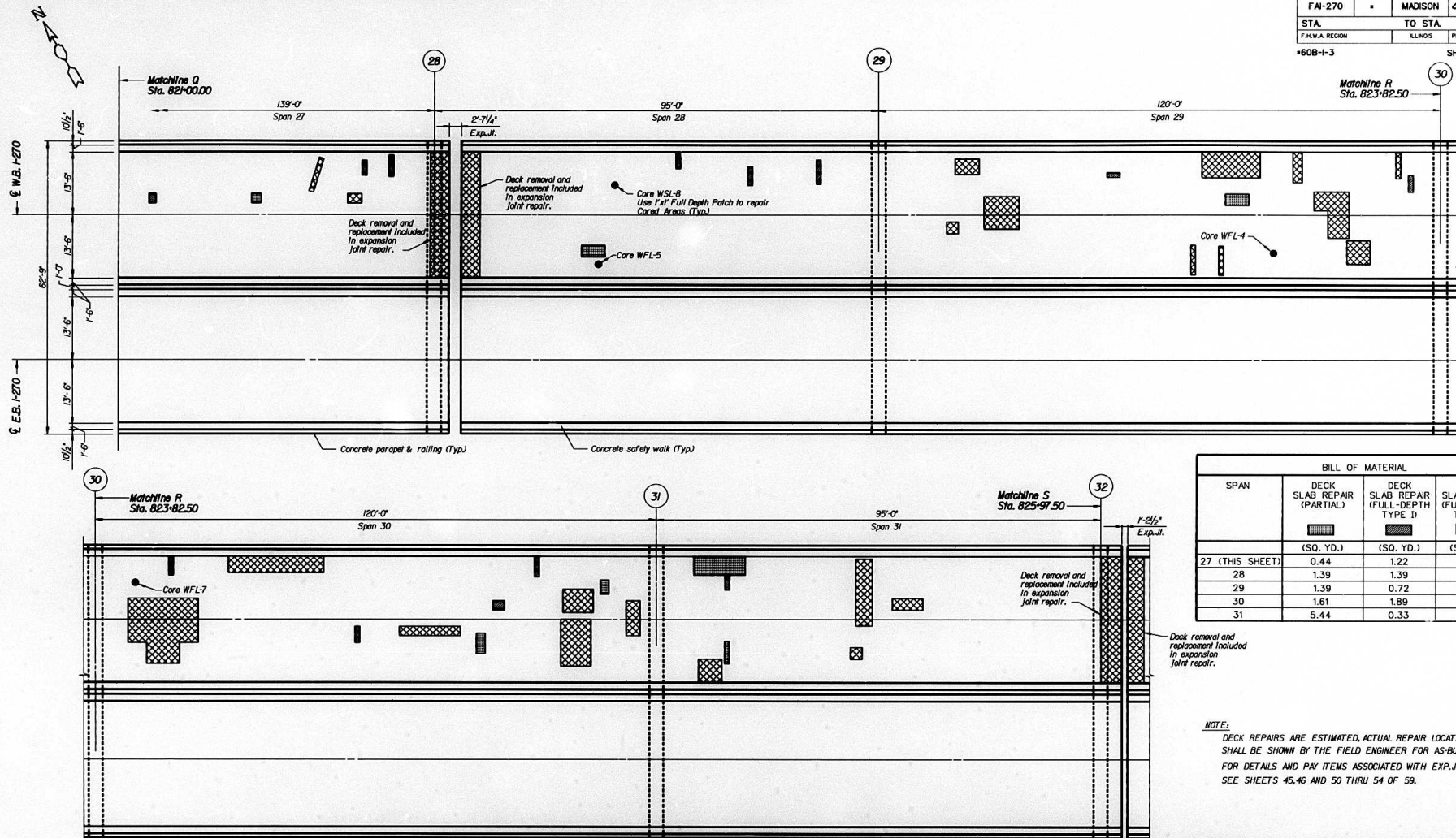
Engineering Architecture
 1111 S. State Street, Suite 200
 Chicago, Illinois 60605
 Tel: 312.587.1000 Fax: 312.587.1001

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 24, 25, 26 & PART SPAN 27
 MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

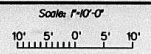
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	224
STA.	TO STA.			
FAHWA REGION	ELHWOS	PROJECT		
*60B-I-3			SHT. 18 OF 59	



SPAN	DECK		
	SLAB REPAIR (PARTIAL)	SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
27 (THIS SHEET)	0.44	1.22	1.50
28	1.39	1.39	0
29	1.39	0.72	27.94
30	1.61	1.89	43.33
31	5.44	0.33	11.50

NOTE:
 DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DECK PLAN: PART SPAN 27 & SPANS 28, 29, 30 & 31



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 JOB NO. 3011

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 1000 WEST WASHINGTON AVENUE, SUITE 100
 CHICAGO, ILLINOIS 60606

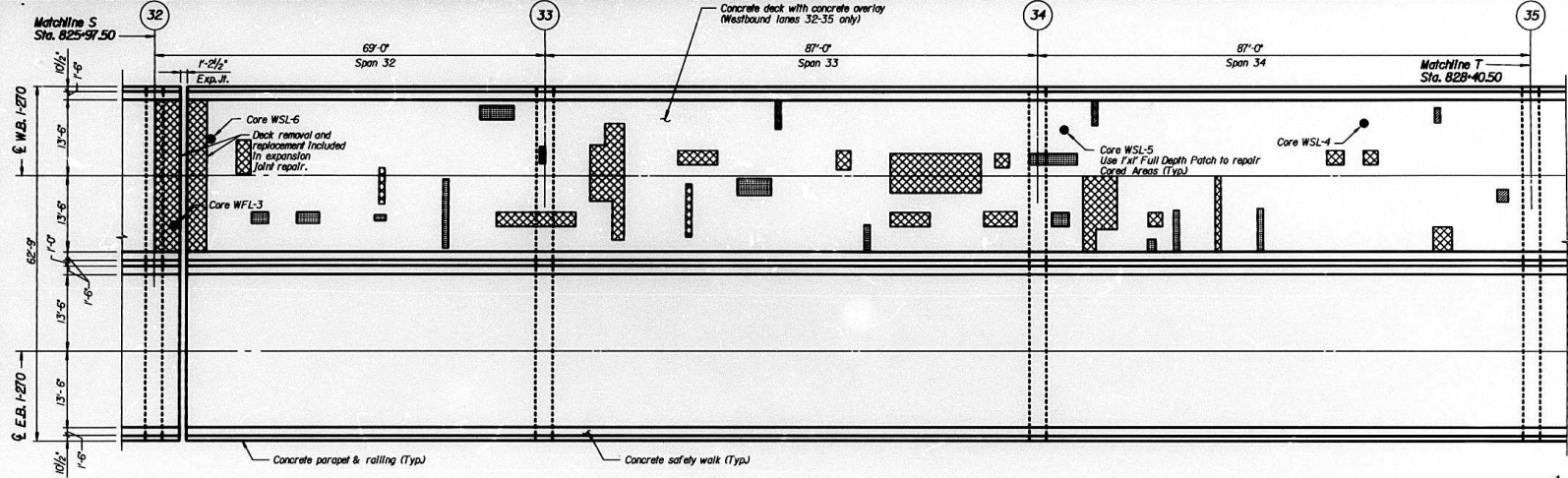
Engineering Architecture
 100 N. State Street, Suite 100
 Chicago, Illinois 60610

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: PART SPAN 27 & SPANS 28, 29, 30 & 31
 MISSISSIPPI RIVER BRIDGE

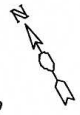
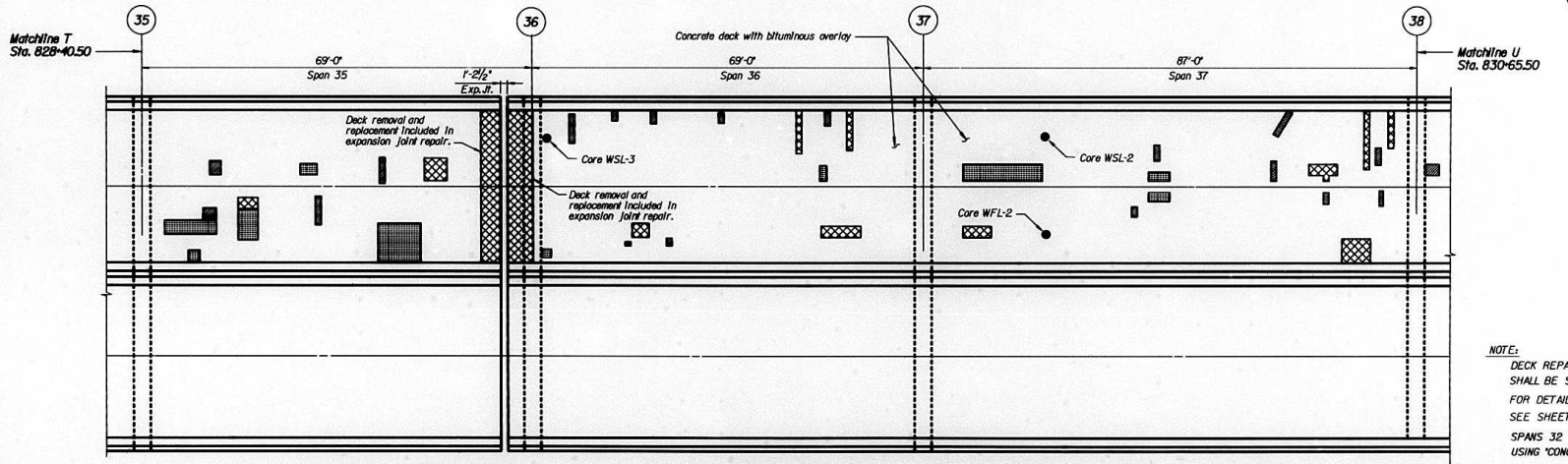
FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

DESIGNED	
CHECKED	DM
DRAWN	DB
CHECKED	JN



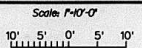
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	225
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
#60B-I-3			SHT. 19 OF 39	



NOTE:
 DECK REPAIRS ARE ESTIMATED, ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP. JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.
 SPANS 32 THRU 35 SHALL BE SCARIFIED TO A DEPTH 2" USING "CONCRETE BRIDGE DECK SCARIFICATION".

DECK PLAN: SPANS 32, 33, 34, 35, 36 & 37

SPAN	BILL OF MATERIAL		
	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE I)	DECK SLAB REPAIR (FULL-DEPTH TYPE II)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
32	4.78	0.33	4.75
33	2.89	0.56	31.83
34	4.44	1.22	12.72
35	10.81	2.17	2.56
36	0.53	1.83	4
37	5.83	2.28	6.58



DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

alfred benesch & company
 CONSULTING ENGINEERS
 200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3071

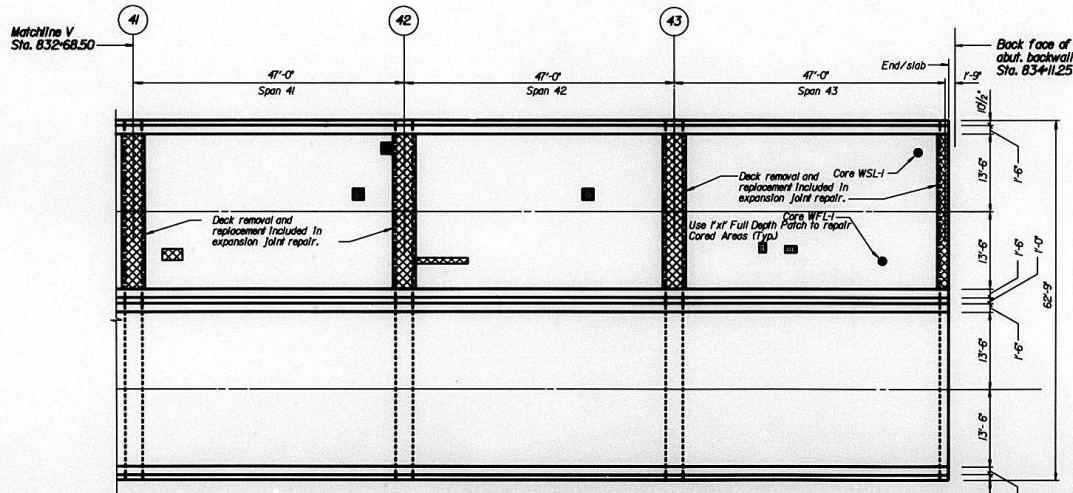
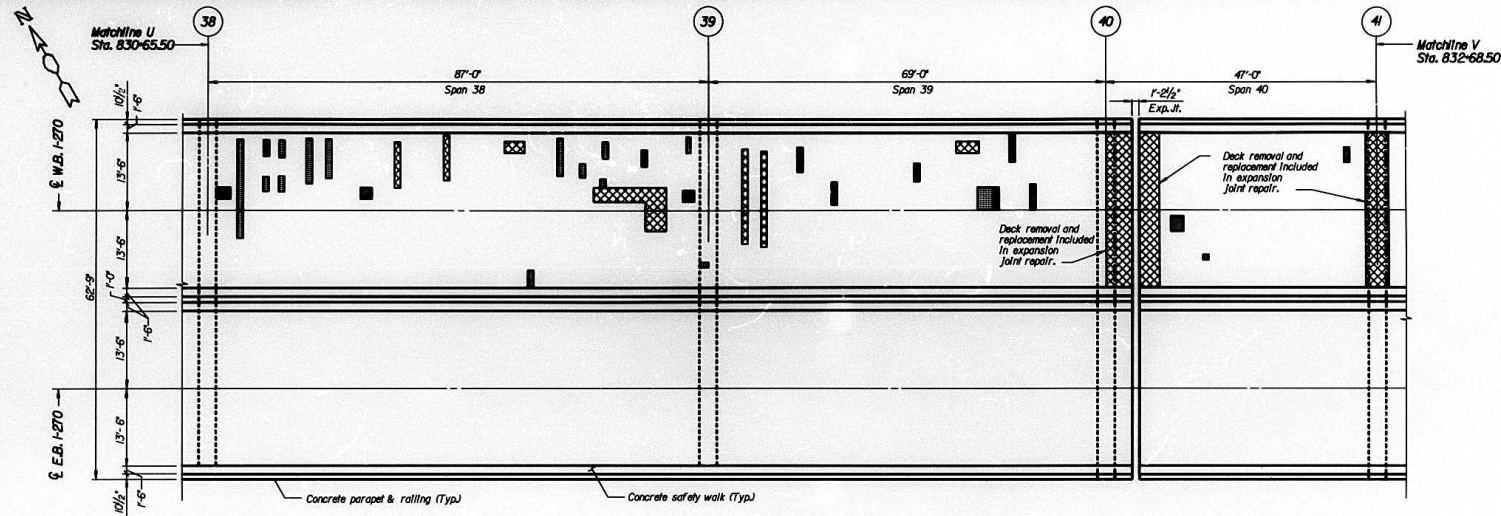
Intech
 ARCHITECTURE

Engineering Architecture
 201 South Dearborn
 CHICAGO, ILLINOIS 60601

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK PLAN: SPANS 32, 33, 34, 35, 36 & 37
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1396

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270	*	MADISON	407	226
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
*60B-I-3			SHT. 20 OF 59	



DECK PLAN: SPANS 38, 39, 40, 41, 42 & 43

Scale: 1"=10'-0"
 10' 5' 0' 5' 10'

BILL OF MATERIAL			
SPAN	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)	DECK SLAB REPAIR (FULL-DEPTH TYPE D)
	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
38	6.78	2.17	7.97
39	1.11	2.67	4.56
40	0	0.94	0
41	0	0.89	0.79
42	0	0.44	1
43	0.42	0	0

NOTE:
 DECK REPAIRS ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN BY THE FIELD ENGINEER FOR AS-BUILT PLANS. FOR DETAILS AND PAY ITEMS ASSOCIATED WITH EXP.-JT. REPAIRS SEE SHEETS 45, 46 AND 50 THRU 54 OF 59.

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

alfred benesch & company
 CONSULTING ENGINEERS
 300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 (312) 467-1000

EnTech
 ENGINEERING ARCHITECTURE
 100 SOUTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 (312) 467-1000

Engineering Architects
 100 SOUTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 (312) 467-1000

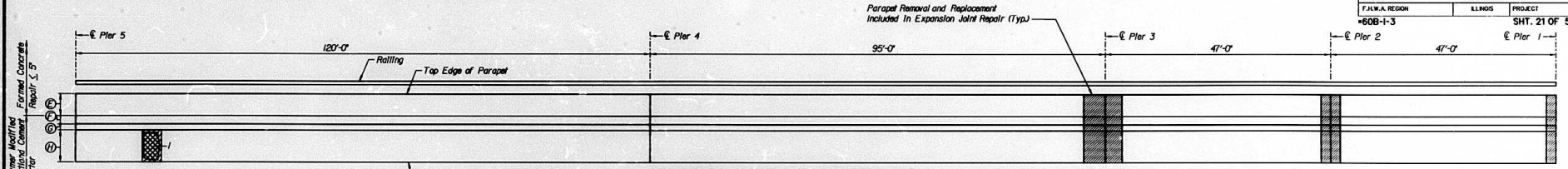
ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK PLAN: SPANS 38, 39, 40, 41, 42 & 43
 MISSISSIPPI RIVER BRIDGE

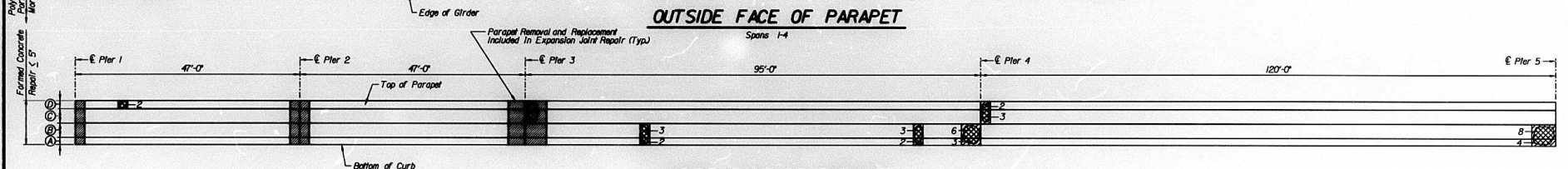
FA-270 OVER THE MISSISSIPPI RIVER
 WESTBOWN BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

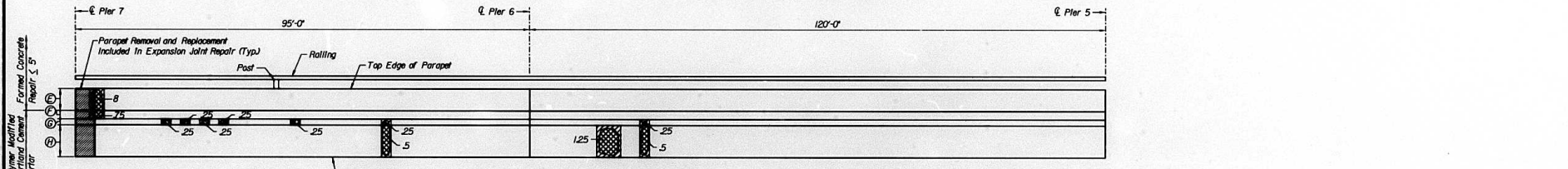
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270	*	MADISON	487	227
STA.	TO STA.		PROJECT	
7+1.0	11+0.0		#608-I-3	
			SHT. 21 OF 59	



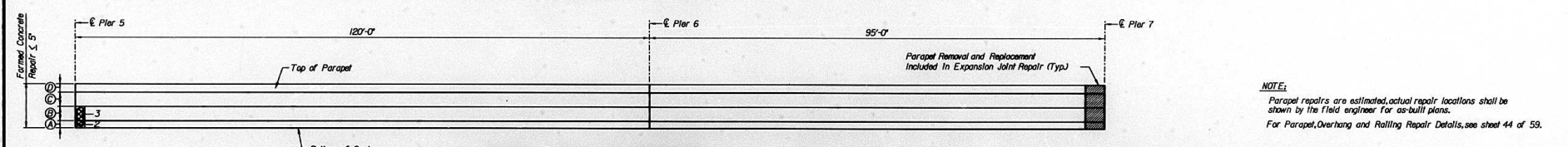
OUTSIDE FACE OF PARAPET



INSIDE FACE OF PARAPET



OUTSIDE FACE OF PARAPET



INSIDE FACE OF PARAPET

NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

LEGEND

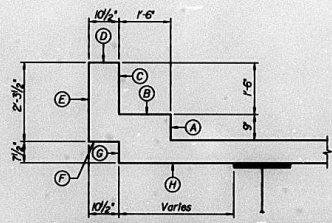
Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F. or C.F.
Patch Area

Deteriorated Area

Units In L.F.
Railing Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5'	S.F.	49
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	575
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	1



SECTION THROUGH PARAPET

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

Engineering
Architecture
Surveying
Service

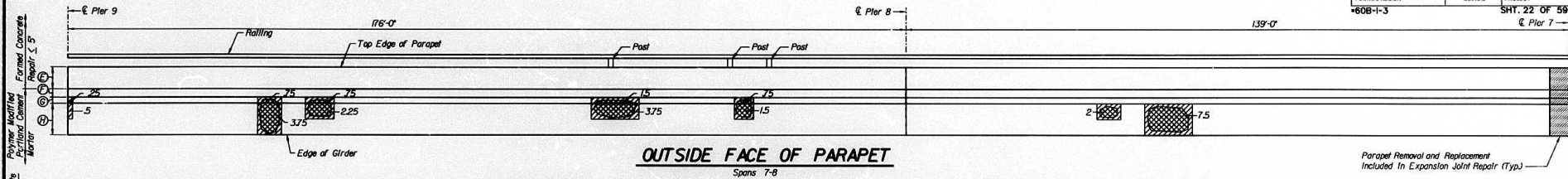
alfred benesch & company
CONSULTING ENGINEERS
200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 1-6
MISSISSIPPI RIVER BRIDGE

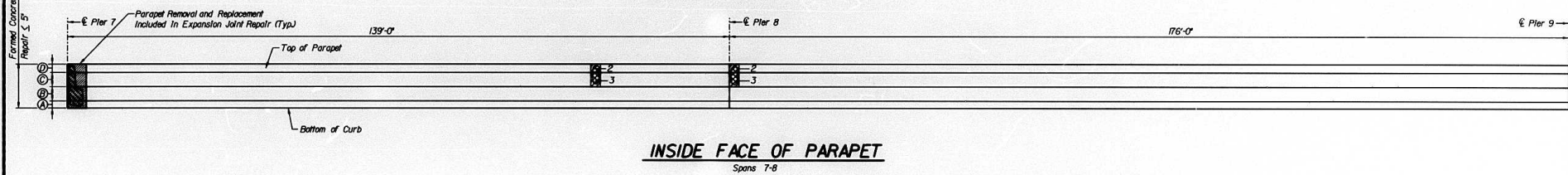
FA-270 OVER THE MISSISSIPPI RIVER
WESTBOW BRIDGE REPAIR
SECTION 608-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

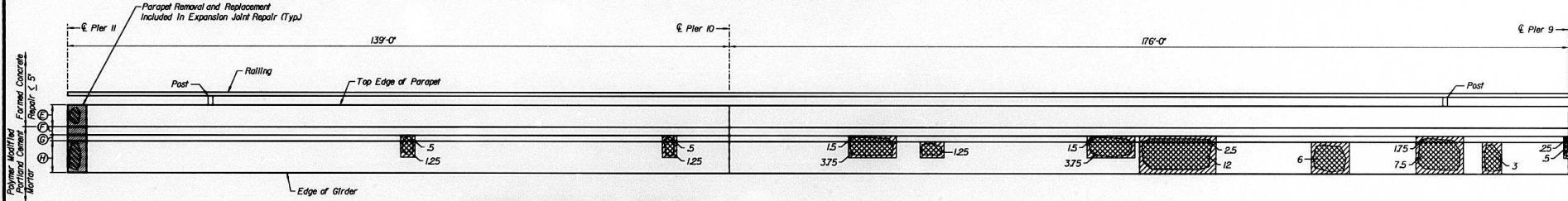
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	228
STA.	TO STA.		PROJECT	
F.H.W.A. REGION	KLINGS		SHT. 22 OF 59	
608-1-3			Pier 7	



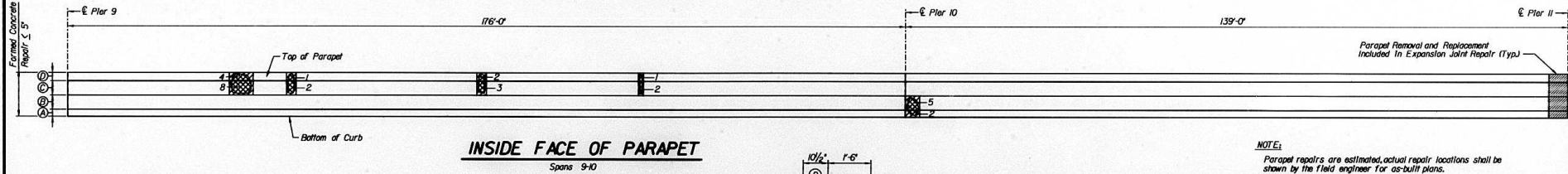
OUTSIDE FACE OF PARAPET



INSIDE FACE OF PARAPET

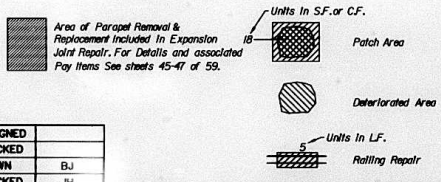


OUTSIDE FACE OF PARAPET

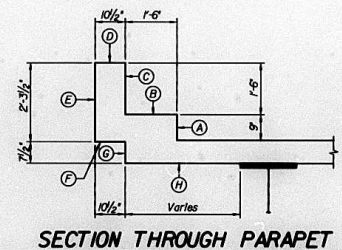


INSIDE FACE OF PARAPET

LEGEND



BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\leq 5'$	S.F.	40
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	74.00
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA	5



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

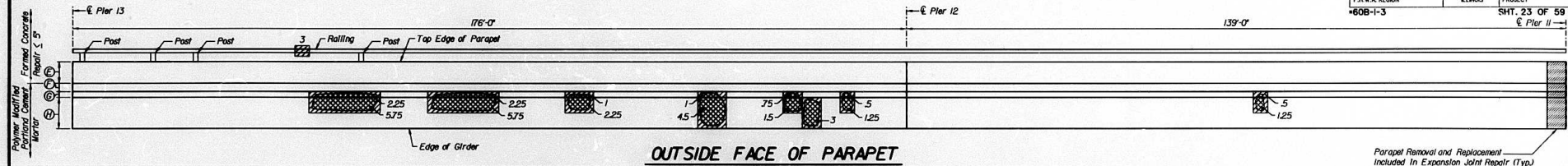
ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG; SPANS 7-10
MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOWLE BRIDGE REPAIR
 SECTION 608-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

Engineering
Architecture
Construction Services
 Alfred Benesch & Company
 CONSULTING ENGINEERS
 AND ARCHITECTS
 100 N. Dearborn Street, Suite 200
 Chicago, Illinois 60610
 TEL: 312.329.3000
 FAX: 312.329.3001

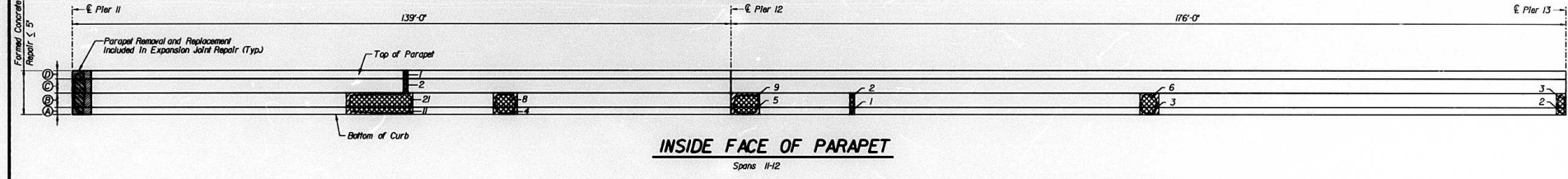
DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JFI

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	229
STA.	TO STA.		PROJECT	
60B-I-3			SHT. 23 OF 59	
			E. Pler II	



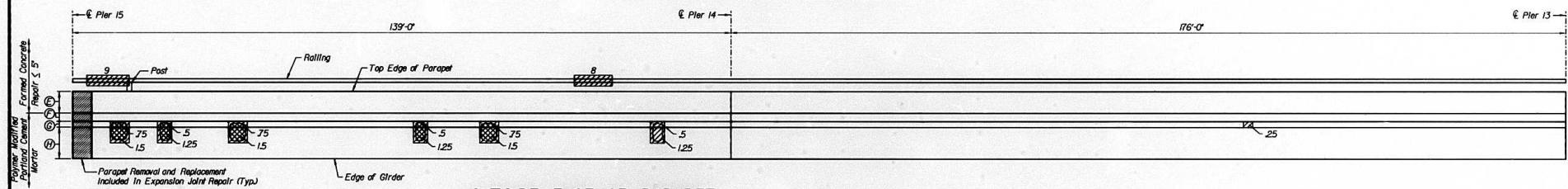
OUTSIDE FACE OF PARAPET

Spans 11-12



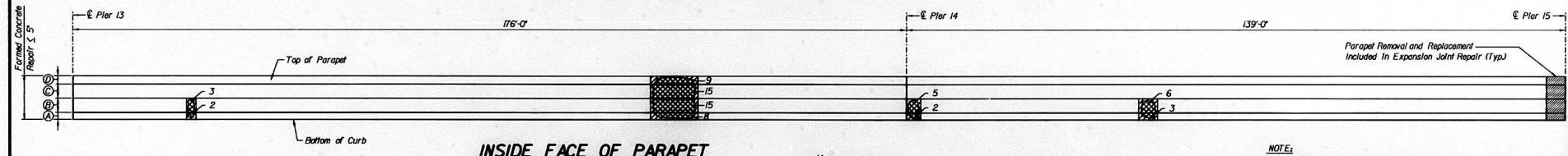
INSIDE FACE OF PARAPET

Spans 11-12



OUTSIDE FACE OF PARAPET

Spans 13-14



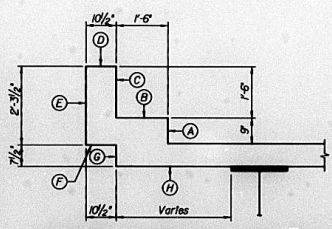
INSIDE FACE OF PARAPET

Spans 13-14

LEGEND

- Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.
- Units In S.F. or C.F. Patch Area
- Deteriorated Area
- Units In L.F. Rolling Repair

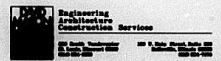
BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5'	S.F.	146
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	4575
ALUMINUM RAILING	L.F.	20
ALUMINUM RAILING POST REPAIR	EA.	5



SECTION THROUGH PARAPET

NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 11-14
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

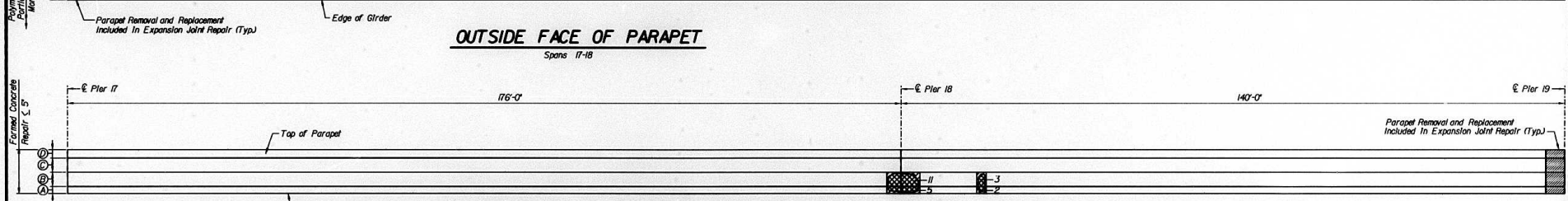
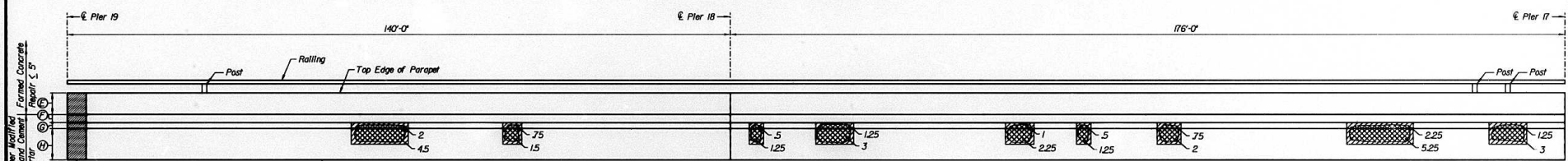
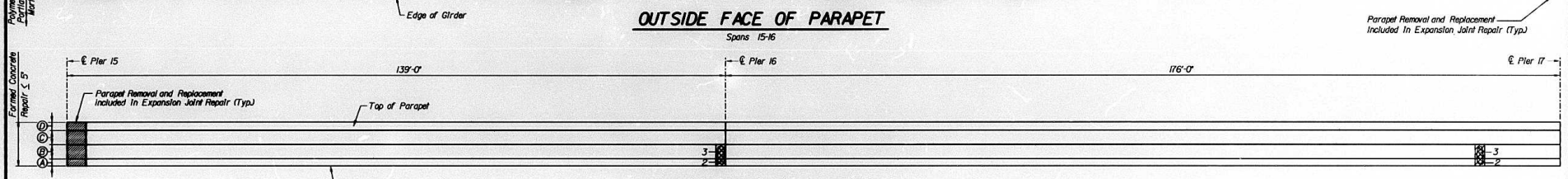
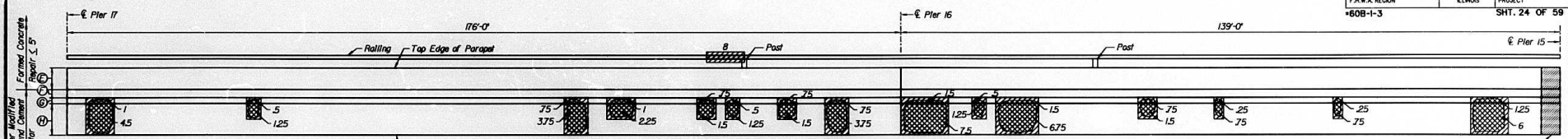


alfred benesch & company
CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 3011

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

DATE 1996

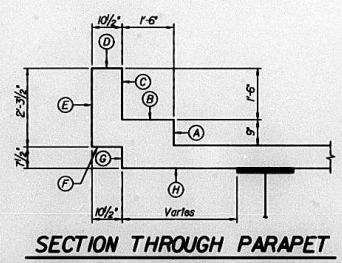
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	230
STA.	TO STA.		PROJECT	
			ILLINOIS	
F.H.W.A. REGION			PROJECT	
*60B-1-3			SHT. 24 OF 59	



LEGEND

- Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.
- Units In S.F. or C.F. Patch Area
- Deteriorated Area
- Units In L.F. Railing Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\leq 5'$	S.F.	31
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	90.5
ALUMINUM RAILING	L.F.	8
ALUMINUM RAILING POST REPAIR	EA.	5



NOTES:
 Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
 For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

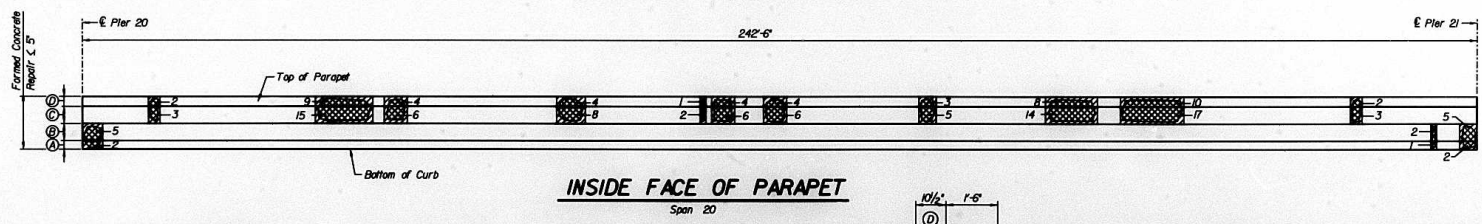
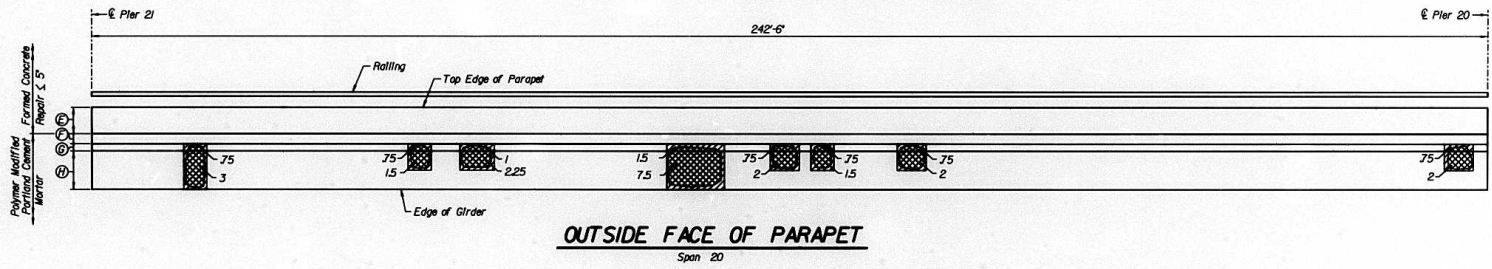
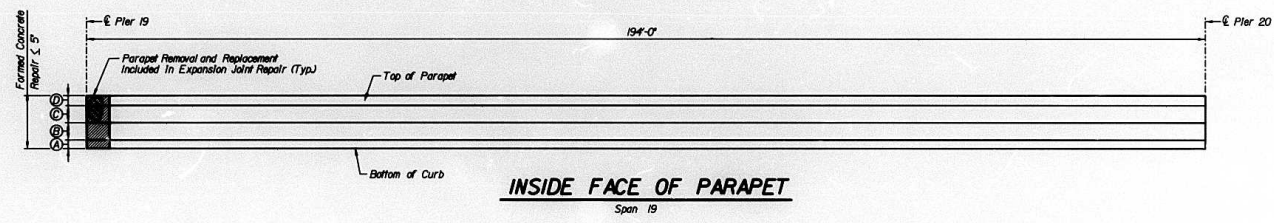
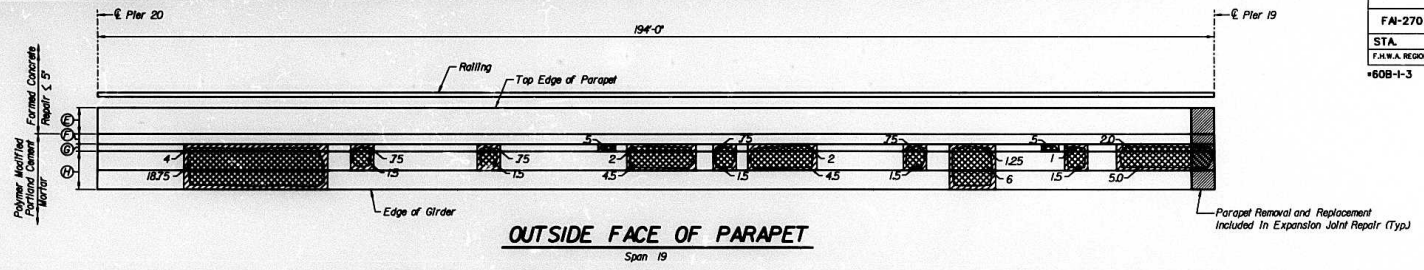
ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTH PARAPET & OVERHANG; SPANS 15-18
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

Engineering
 Construction Services
 alfred benesch & company
 CONSULTING ENGINEERS
 200 NORTH GERRARD AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	487	231
STA.	TO STA.		PROJECT	
F.H.W.A. REGION	ILLINOIS		PROJECT	
#60B-1-3			SHT. 25 OF 59	



LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F. or C.F.

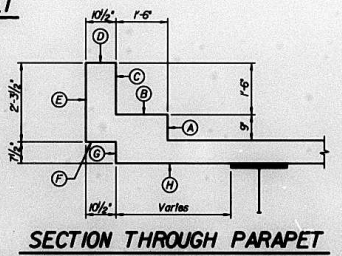
18 Patch Area

Deteriorated Area

Units In L.F.

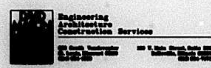
5 Railing Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\leq 5'$	S.F.	153
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	91.25
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

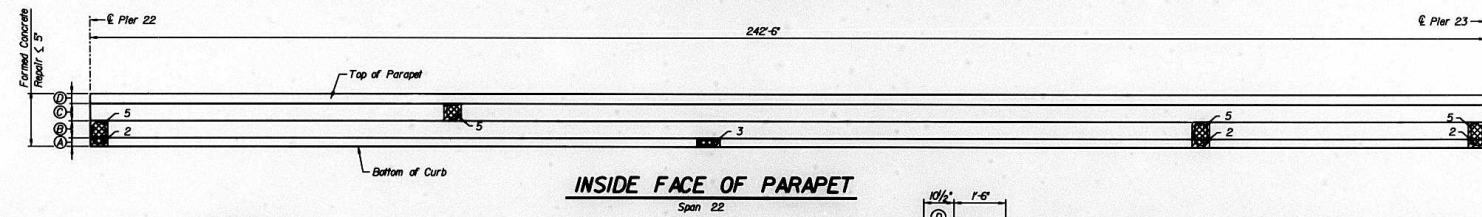
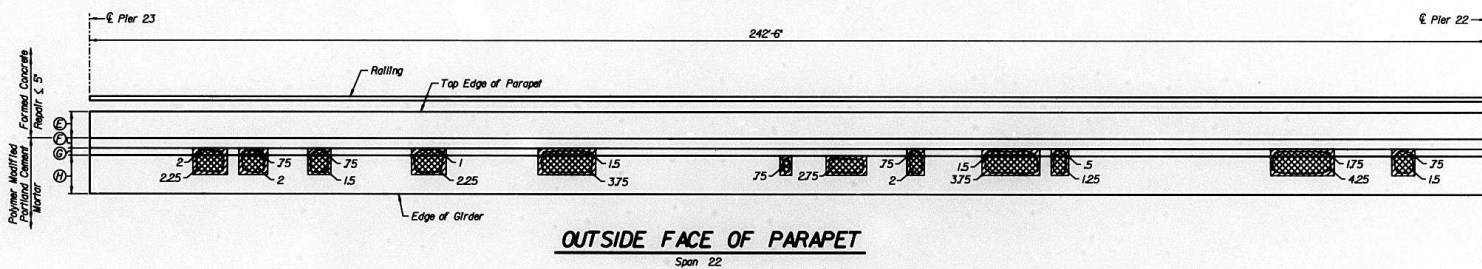
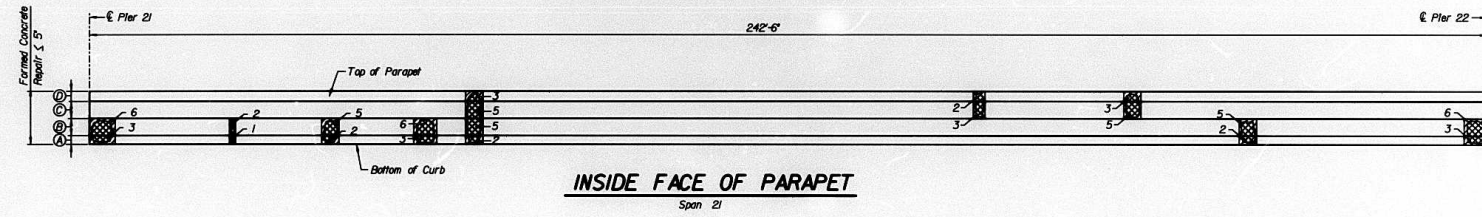
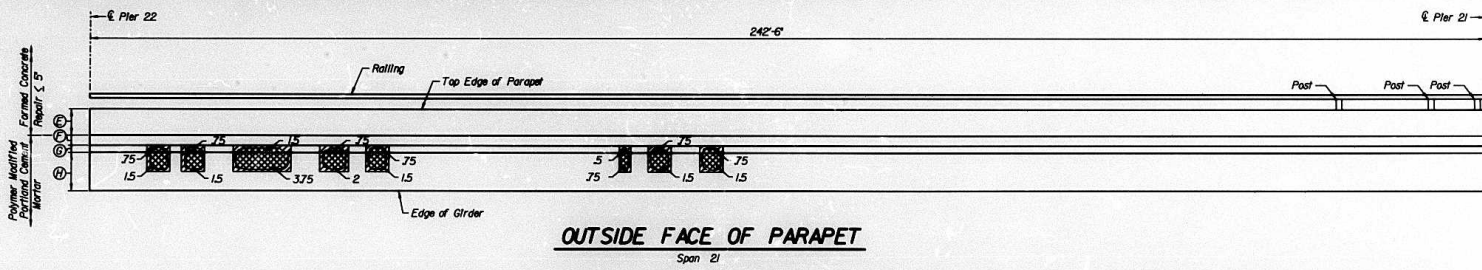
ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 19-20
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035



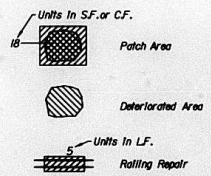
alfred benesch & company
GENERAL AND SPECIALTY
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
408 NO. 3071

DATE 1996

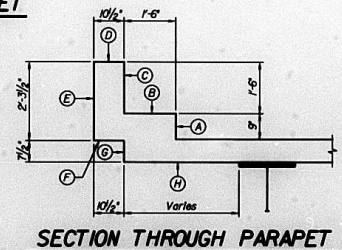
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DRAWN	BJ
CHECKED	JH



LEGEND

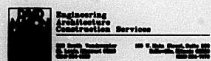


BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR < 5'	SF.	101
POLYMER MODIFIED PORTLAND CEMENT MORTAR	CF.	5975
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	3



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 21-22
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

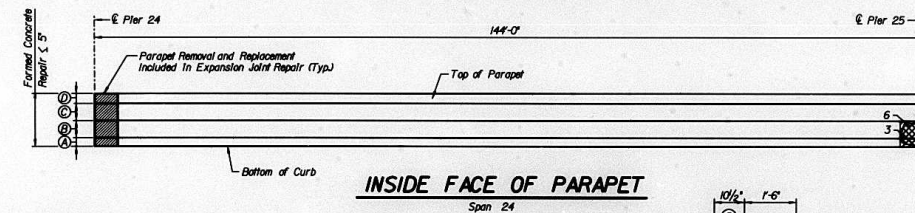
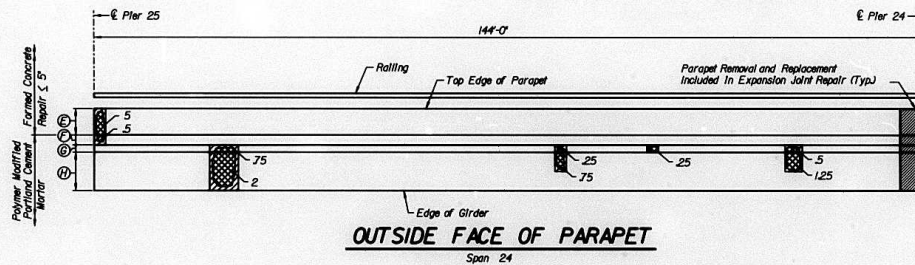
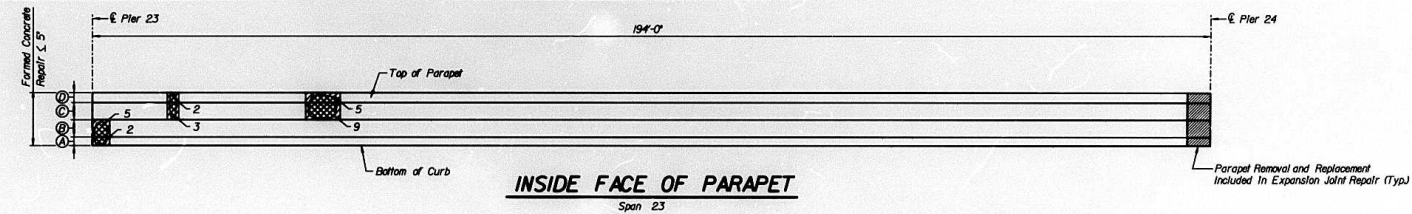
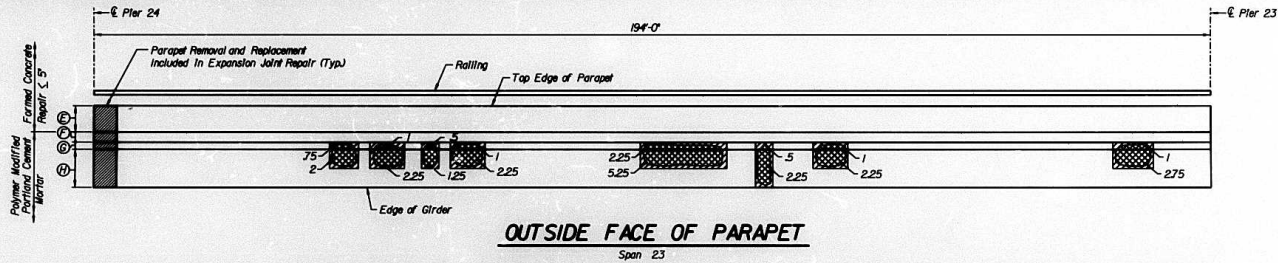


alfred benesch & company
CONSULTING ENGINEERS
600 NORTH LEXINGTON AVENUE, CHICAGO, ILLINOIS 60611
JOB NO. 3011

DATE 1996

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	233
STA.	TO STA.			
F.H.W.A. REGION	ELI CODE	PROJECT		
*60B-I-3			SHT. 27 OF 59	

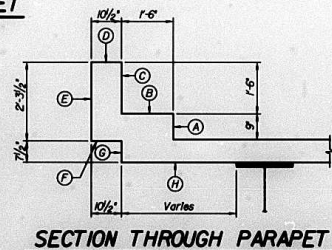


LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

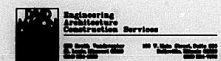
- Units In S.F. or C.F.
- Patch Area
- Deteriorated Area
- Units In L.F.
- Rolling Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	40
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	34.5
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the Field engineer for as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

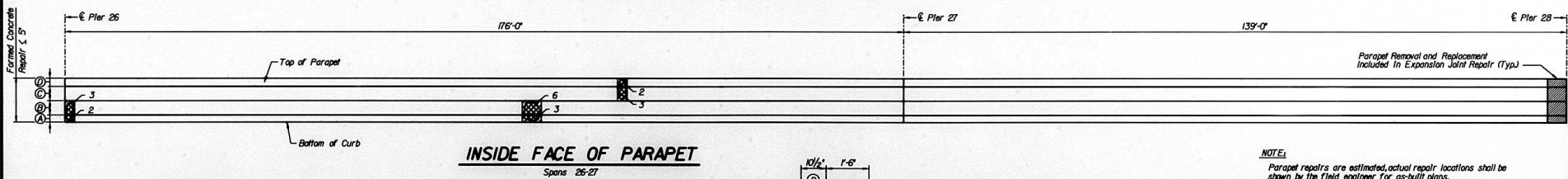
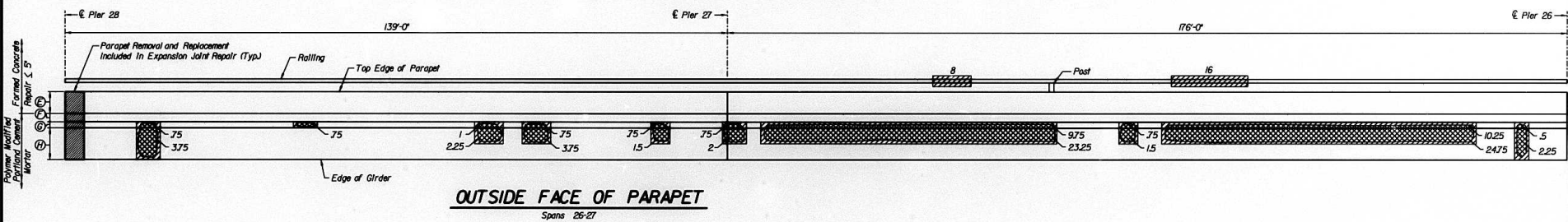
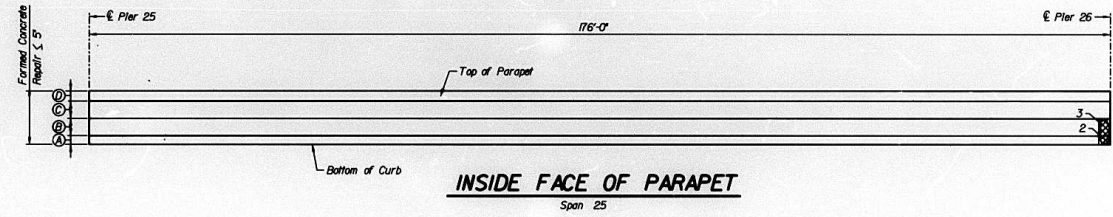
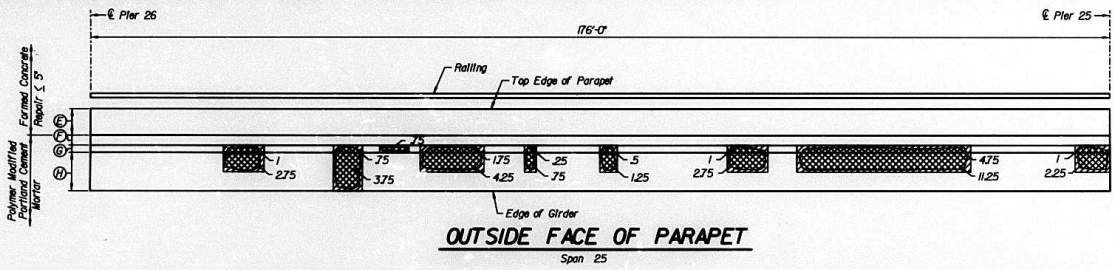
DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH



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CONSULTING ENGINEERS
807 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60611
JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG; SPANS 23-24
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996



LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

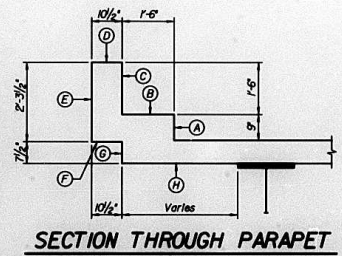
Units In S.F. or C.F. Patch Area

Deteriorated Area

Units In L.F. Rolling Repair

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	24
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	13175
ALUMINUM RAILING	L.F.	24
ALUMINUM RAILING POST REPAIR	EA.	1



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GENERAL ENGINEERS
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312.527.5000

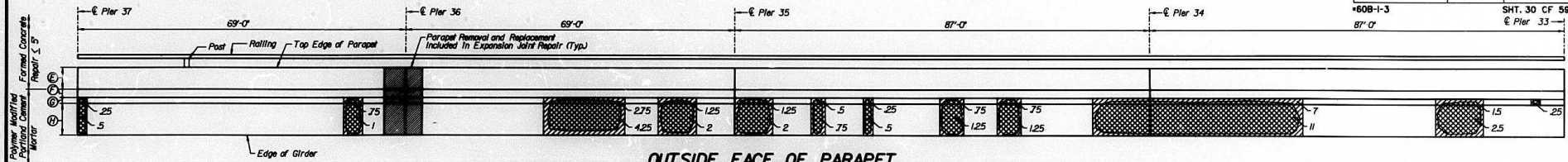
NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 25-27
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

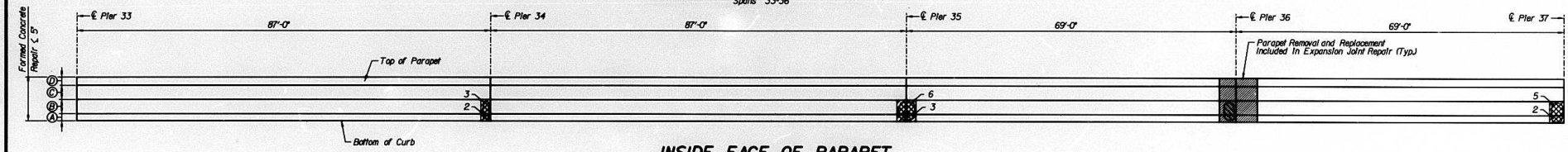
DATE 1996

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	236
STA.	TO STA.			
60B-I-3			SHT. 30 OF 59	
PROJECT	ILLINOIS		PROJECT	
			€ Pler 33	



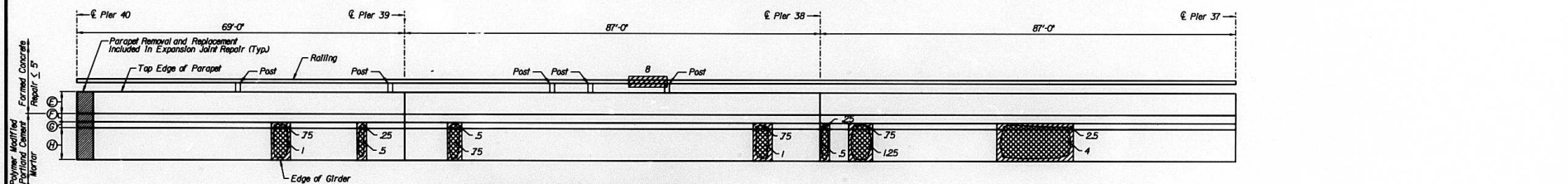
OUTSIDE FACE OF PARAPET

Spans 33-36



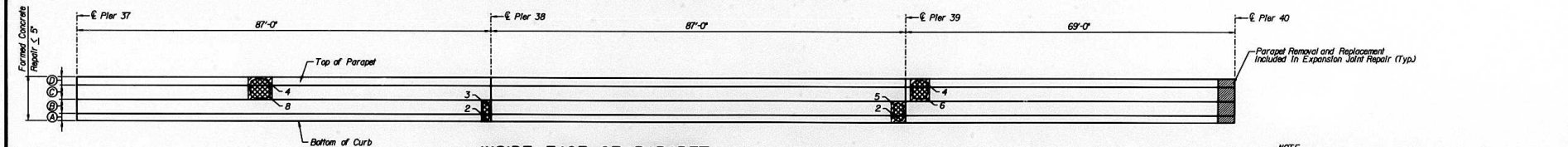
INSIDE FACE OF PARAPET

Spans 33-36



OUTSIDE FACE OF PARAPET

Spans 37-39



INSIDE FACE OF PARAPET

Spans 37-39

LEGEND

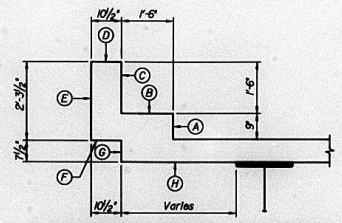
Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F. or C.F. Patch Area

Deteriorated Area

Units In L.F. Rolling Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5"	SF.	55
POLYMER MODIFIED PORTLAND CEMENT MORTAR	C.F.	59
ALUMINUM RAILING	L.F.	8
ALUMINUM RAILING POST REPAIR	EA.	6



SECTION THROUGH PARAPET

NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for co-joint plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

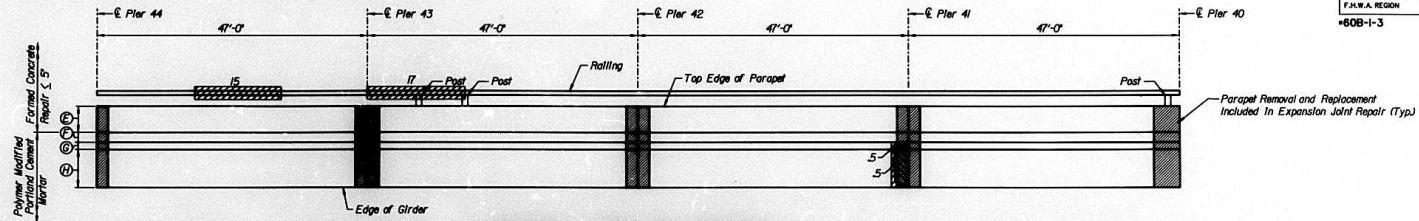
DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

Engineering Administration Services
alfred benesch & company
CONSULTING ENGINEERS
200 WEST WASHINGTON AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH PARAPET & OVERHANG: SPANS 33-39
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

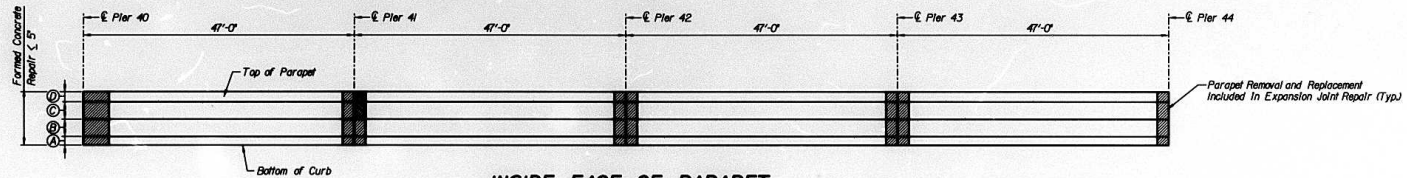
DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	487	237
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	
*60B-I-3			SHT. 31 OF 59	



OUTSIDE FACE OF PARAPET

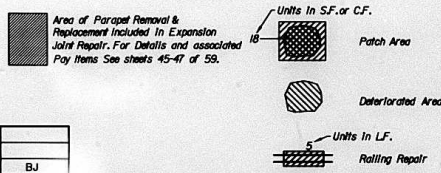
Spans 40-43



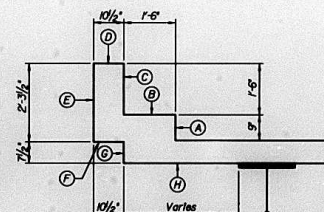
INSIDE FACE OF PARAPET

Spans 40-43

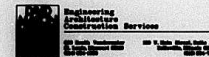
LEGEND



BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5''$	SF.	0
POLYMER MODIFIED PORTLAND CEMENT MORTAR	CF.	10
ALUMINUM RAILING	LF.	32
ALUMINUM RAILING POST REPAIR	EA.	3



SECTION THROUGH PARAPET



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 285 NORTH DECAUR AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011

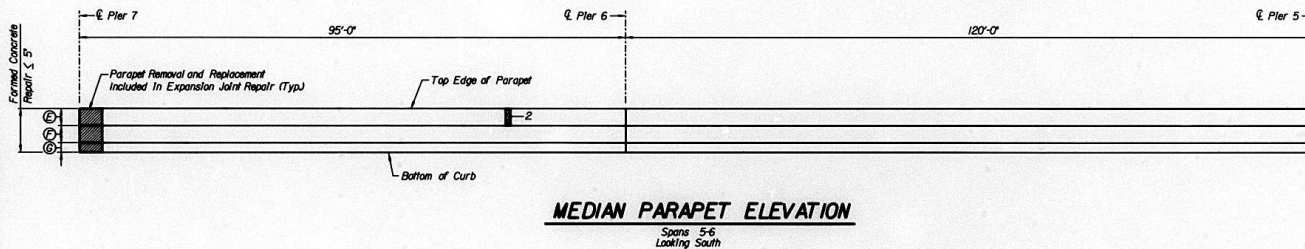
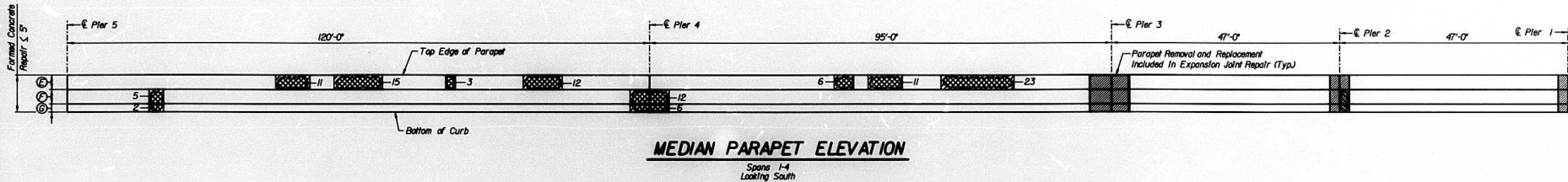
NOTE:
 Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
 For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTH PARAPET & OVERHANG: SPANS 40-43
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	238
STA.	TO STA.			
I.A.M.A. REGION	ILLINOIS		PROJECT	
60B-I-3			SHT. 32 OF 59	

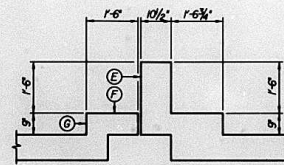


LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F.
 1B Patch Area
 Deteriorated Area
 Units In LF.
 Rolling Repair

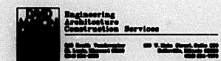
BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5'	SF.	108
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



SECTION THROUGH MEDIAN

NOTE:
 Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
 For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

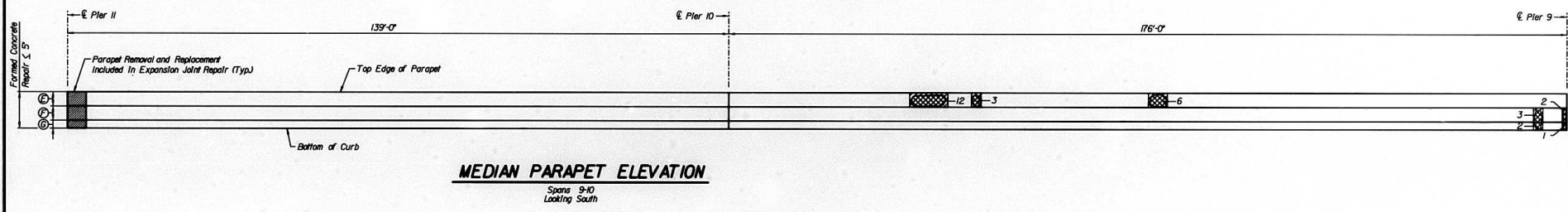
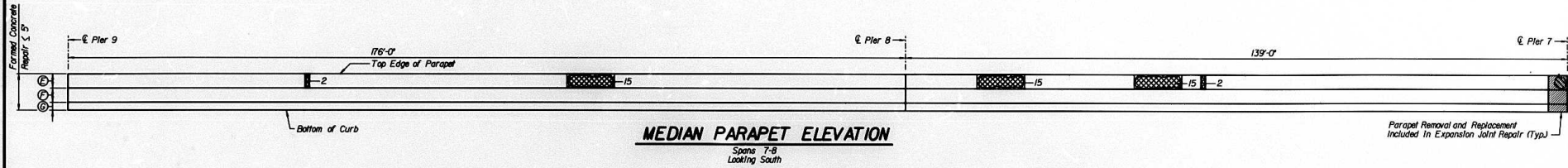


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 300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 1-6
MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	497	239
STA.	TO STA.		PROJECT	
F.H.W.A. REGION	LLRHS	PROJECT		
608-1-3		SH. 33 OF 56		



LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F.

Patch Area

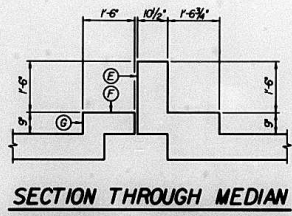
Deteriorated Area

Units In LF.

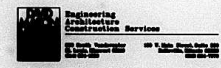
Rolling Repair

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR < 5"	S.F.	78
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

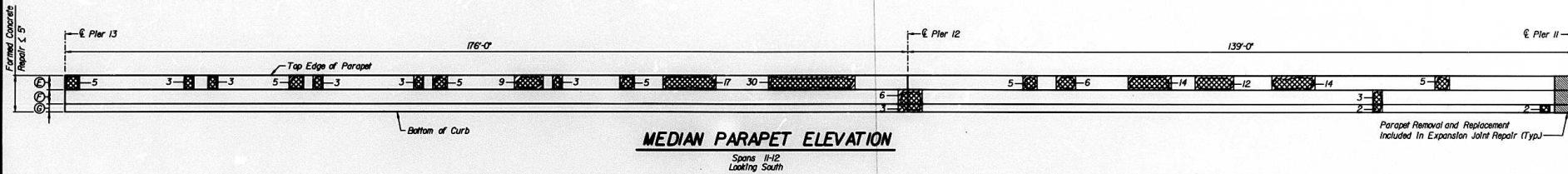


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CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 3011

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 7-10
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 608-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

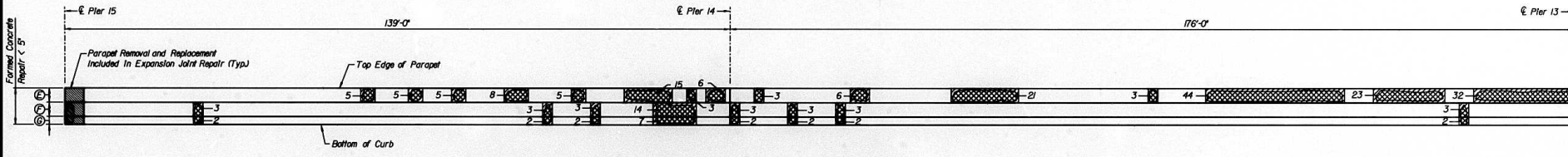
DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	240
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
60B-1-3	SHT. 34 OF 58			



MEDIAN PARAPET ELEVATION

Spans 11-12
Looking South



MEDIAN PARAPET ELEVATION

Spans 13-14
Looking South

NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet Overhang and Railing Repair Details, see sheet 44 of 59.

LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In SF.



Patch Area



Deteriorated Area

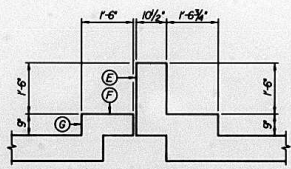
Units In LF.



Railing Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5"	SF.	403
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH



SECTION THROUGH MEDIAN

Engineering
Architectural
Construction Services
100 South Dearborn Street, Chicago, Illinois 60601
Tel: 312.467.1000
Fax: 312.467.1001

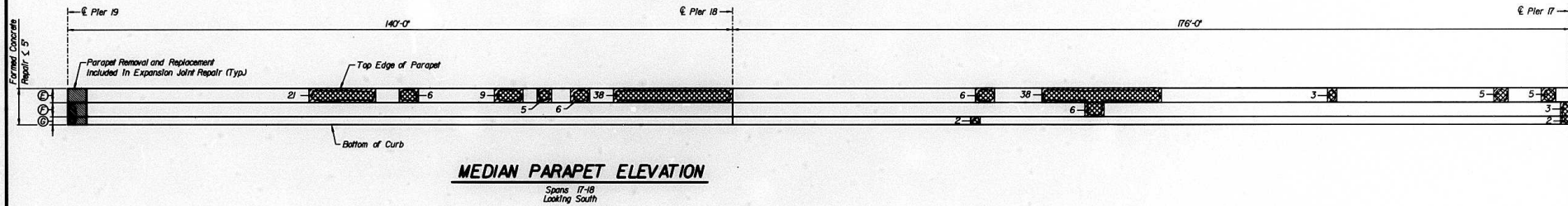
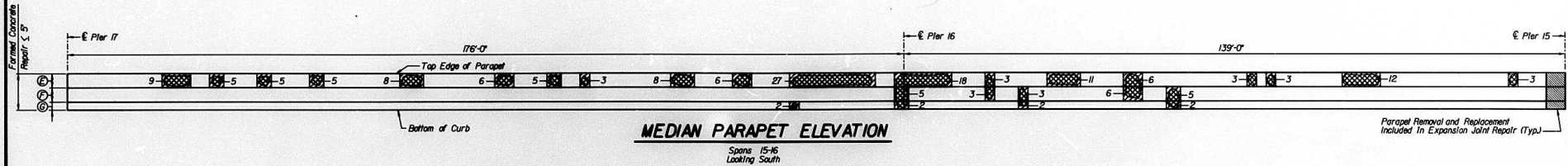


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CONSULTING ENGINEERS
300 SOUTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3071

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 11-14
MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

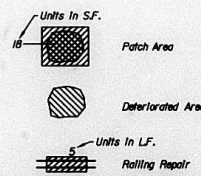
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	241
STA.	TO STA.		PROJECT	
F.H.W.A. REGION	ILLINOIS		PROJECT	
#60B-I-3			SHT. 35 OF 59	



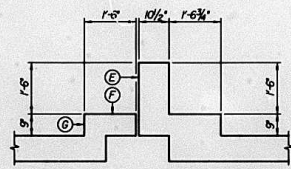
NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.



BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR ≤ 5'	S.F.	331
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

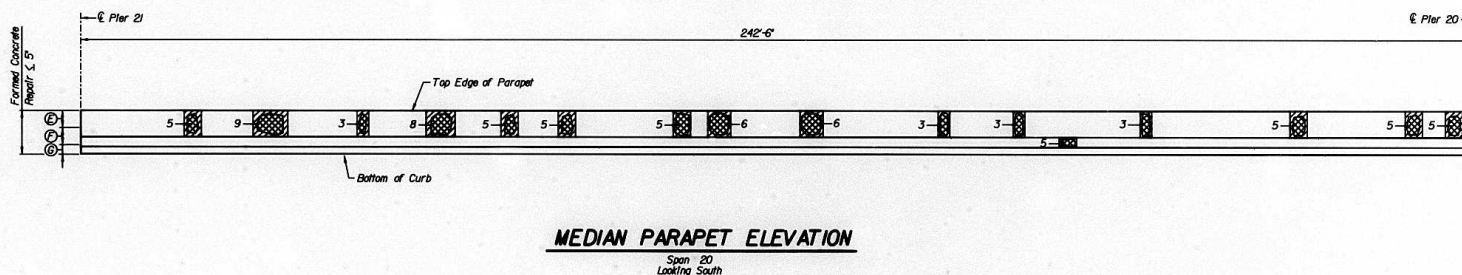
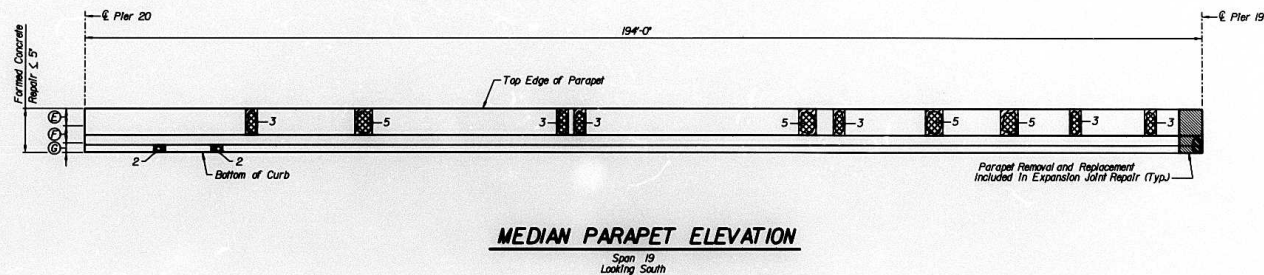
Engineering
Architectural
Construction Service

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CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2071

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 15-18
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996



LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

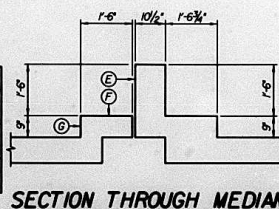
Units In S.F.
Patch Area

Deteriorated Area

Units In LF.
Rolling Repair

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	123
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



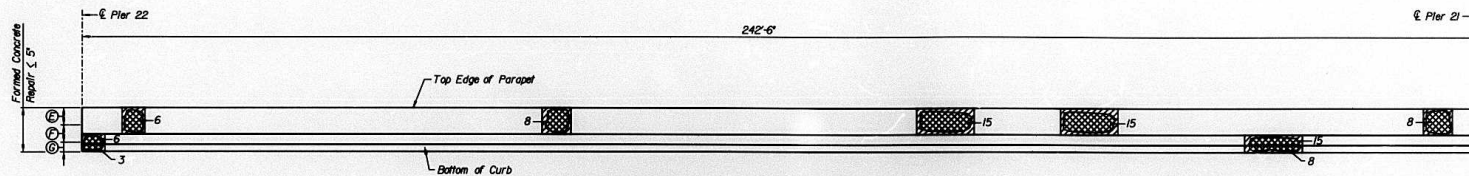
NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 19-20
MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

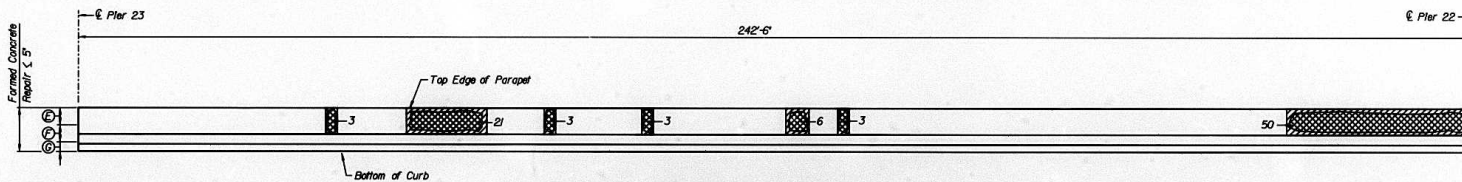
alfred benesch & company
 CONSULTING ENGINEERS
 300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3071

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	243
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
60B-1-3			SHT. 37 OF 59	



MEDIAN PARAPET ELEVATION

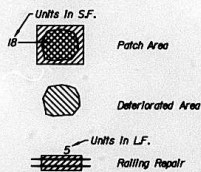
Span 21
Looking South



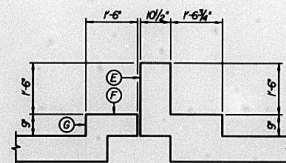
MEDIAN PARAPET ELEVATION

Span 22
Looking South

LEGEND



BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	173
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



SECTION THROUGH MEDIAN

NOTE:

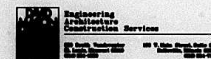
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MEDIAN PARAPET ELEVATION: SPANS 21-22
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

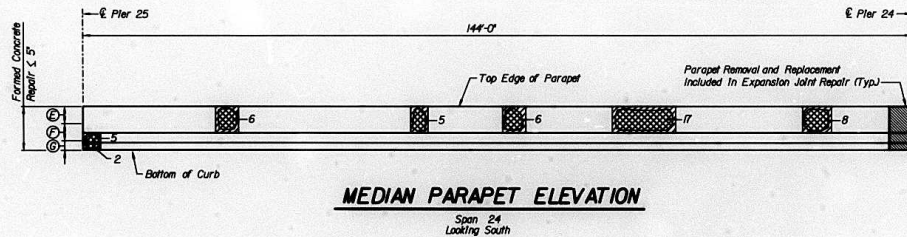
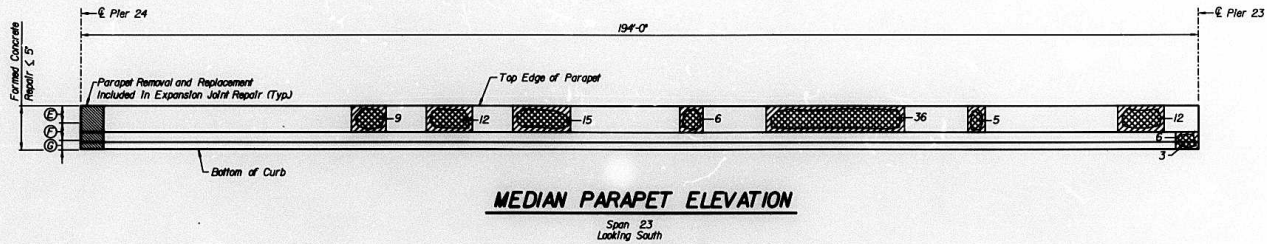
DATE 1996



alfred benesch & company
CONSULTING ENGINEERS
300 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604
TEL: 312.527.2000 FAX: 312.527.2001

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	427	244
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
60B-1-3			SHT. 38 OF 59	

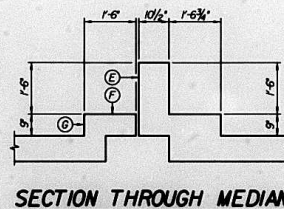


LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

- Units In S.F.
Patch Area
- Deteriorated Area
- Units In L.F.
Railing Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	153
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

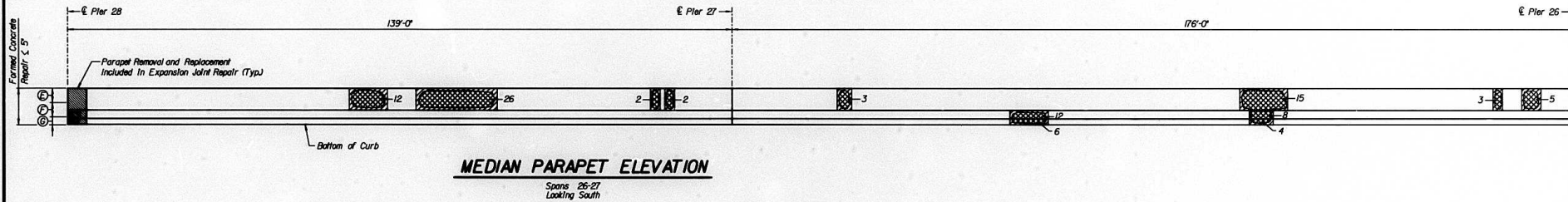
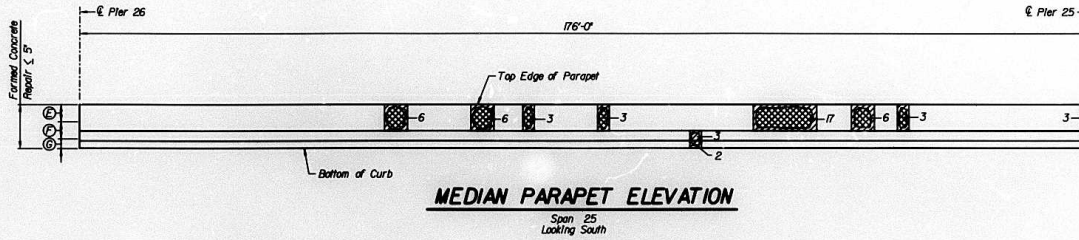
**Engineering
Architecture
Construction Services**
1100 North Dearborn Street
Chicago, Illinois 60610
Tel: 312.329.1100

alfred benesch & company
CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 5071

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 23-24
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	245
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS		PROJECT	
*60B-I-3			SHT. 39 OF 59	



LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.



Patch Area

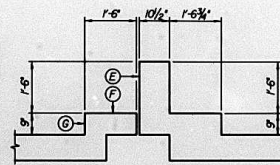


Deteriorated Area



Rolling Repair

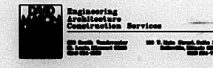
BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR < 5"	S.F.	150
ALUMINUM RAILING	LF.	0
ALUMINUM RAILING POST REPAIR	EA.	0



SECTION THROUGH MEDIAN

NOTE:
Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

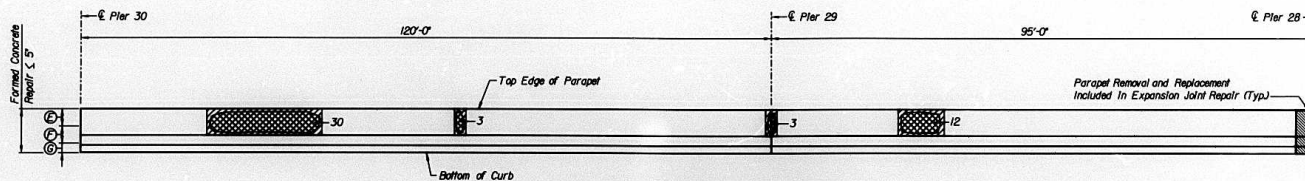


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CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 5011

ILLINOIS DEPARTMENT OF TRANSPORTATION
MEDIAN PARAPET ELEVATION: SPANS 25-27
MISSISSIPPI RIVER BRIDGE
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBORN BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

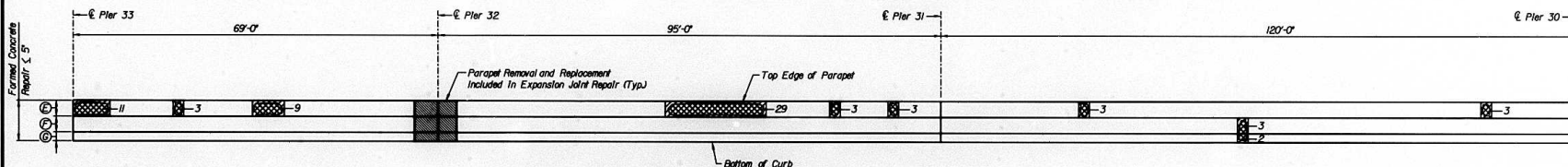
DATE 1996

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270	=	MADISON	487	246
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
*60B-I-3			SHT. 40 OF 59	



MEDIAN PARAPET ELEVATION

Spans 28-29
Looking South



MEDIAN PARAPET ELEVATION

Spans 30-32
Looking South

LEGEND

Area of Parapet Removal & Replacement Included in Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.



Patch Area



Deteriorated Area

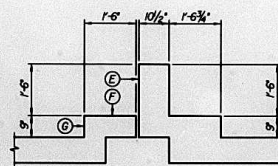
Units In L.F.



Railing Repair

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR 5'	S.F.	117
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



SECTION THROUGH MEDIAN

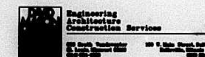
NOTE:

Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MEDIAN PARAPET ELEVATION: SPANS 28-32
MISSISSIPPI RIVER BRIDGE

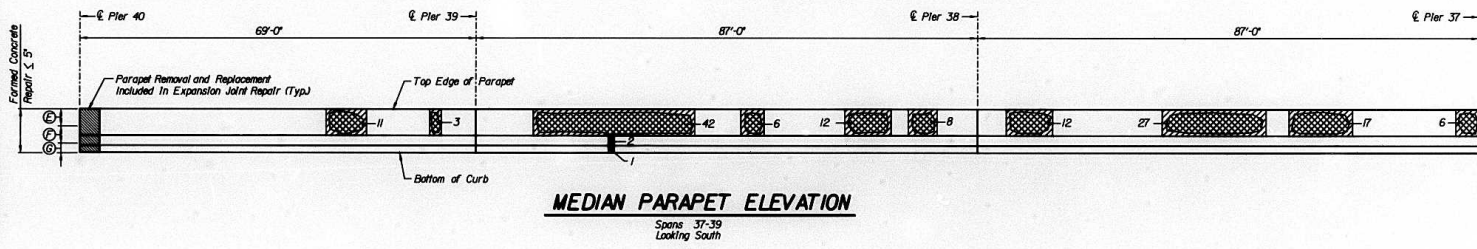
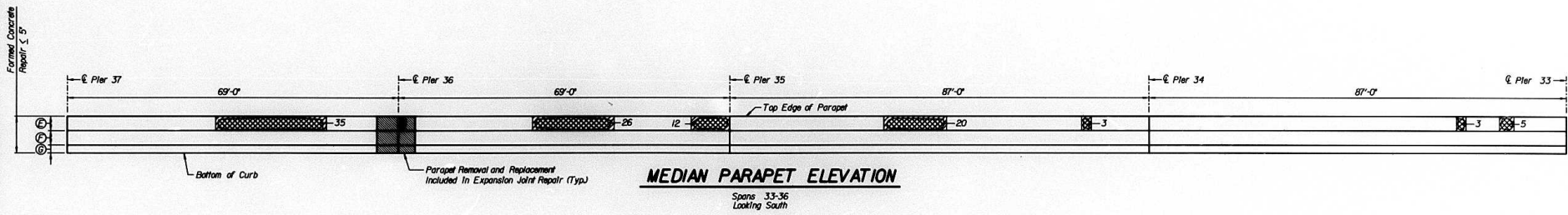
FA-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035



alfred benesch & company
ONE OF THE DIVISIONS
300 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	1	MADISON	487	247
STA.	TO STA.			
F.H.W.A REGION	ILLINOIS	PROJECT		
60B-1-3		SHT. 41 OF 59		



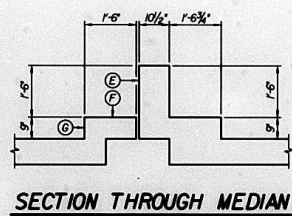
LEGEND

Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F.
 Patch Area
 Deteriorated Area
 Units In L.F.
 Railing Repair

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR $\le 5'$	S.F.	251
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



NOTE:
 Parapet repairs are estimated, actual repair locations shall be shown by the field engineer for as-built plans.
 For Parapet, Overhang and Railing Repair Details, see sheet 44 of 59.

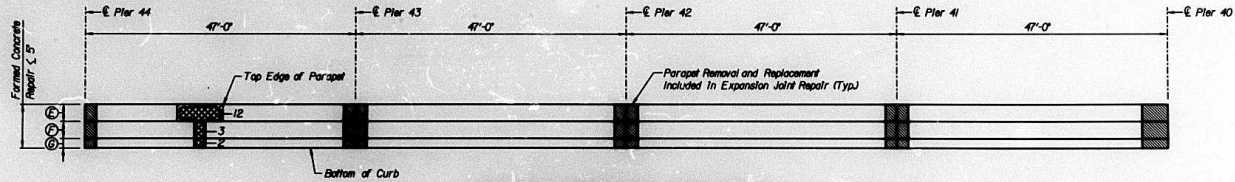
ILLINOIS DEPARTMENT OF TRANSPORTATION
 MEDIAN PARAPET ELEVATION: SPANS 33-39
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-1-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

Engineering
 Construction
 Construction Services

alfred benesch & company
 CONSULTING ENGINEERS
 305 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 3071

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	407	248
STA.	TO STA.		PROJECT	
F.H.W.A. REGION	ILLINOIS		PROJECT	
60B-I-3			SHT. 42 OF 59	



MEDIAN PARAPET ELEVATION

Spans 40-43
Looking South

LEGEND

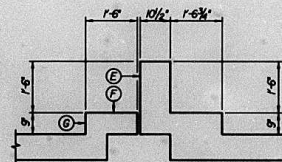
Area of Parapet Removal & Replacement Included In Expansion Joint Repair. For Details and associated Pay Items See sheets 45-47 of 59.

Units In S.F.
Patch Area

Deteriorated Area

Units In L.F.
Rolling Repair

BILL OF MATERIAL	UNIT	QUANTITY
FORMED CONCRETE REPAIR < 5"	S.F.	17
ALUMINUM RAILING	L.F.	0
ALUMINUM RAILING POST REPAIR	EA.	0



SECTION THROUGH MEDIAN

DESIGNED	
CHECKED	
DRAWN	BJ
CHECKED	JH

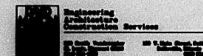
NOTE:

Parapet repairs are estimated, actual repair locations shall be shown by the field engineer. For as-built plans.
For Parapet, Overhang and Rolling Repair Details, see sheet 44 of 59.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MEDIAN PARAPET ELEVATION: SPANS 40-43
MISSISSIPPI RIVER BRIDGE

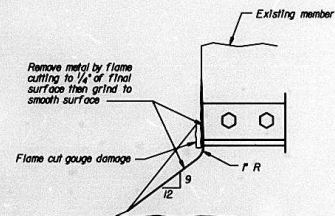
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035



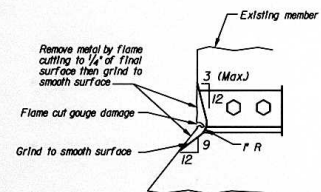
alfred benesch & company
CONSULTING ENGINEERS
300 NORTH DEARBORN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 3011

DATE 1996

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
FAI-270	0	MADISON	487	249
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	
*60B-I-3		SHT. 43 OF 59		



TYPE "A" GOUGE REPAIR



TYPE "B" GOUGE REPAIR

WELDING GOUGE REPAIR

Girders 1 & 4, Pier 15 (West Bound)
Girder 1, Pier 11 & 19 (West Bound)

Note:
Repair to Welding Gouge's shall be incidental to
FURNISHING AND ERECTING STRUCTURAL STEEL

ILLINOIS DEPARTMENT OF TRANSPORTATION

STEEL DETAILS
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-I-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

DATE 1996

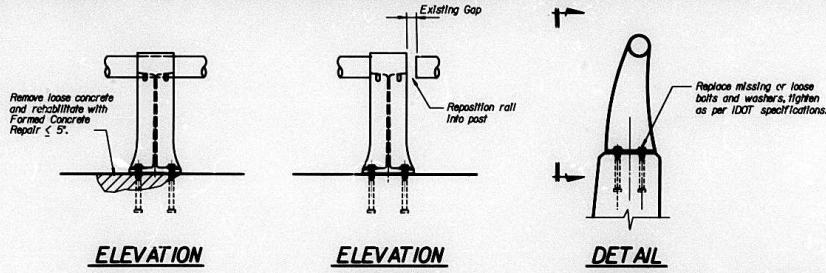
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DRAWN	CD
CHECKED	JN



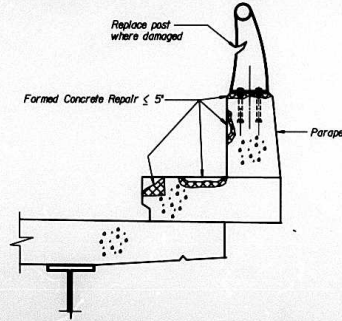
alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	=	MADISON	487	250
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

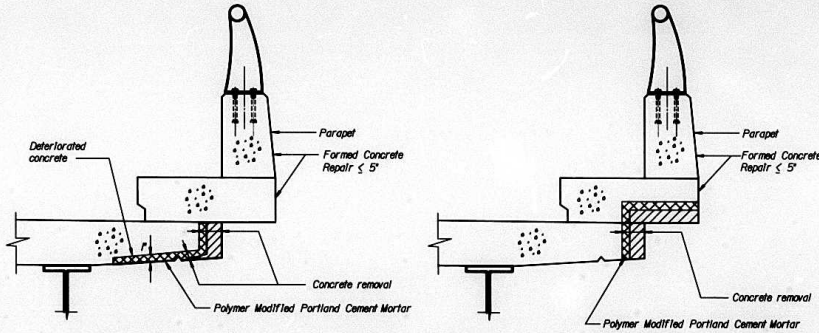
•60B-I-3 SHT. 44 OF 59



RAILING DETAILS

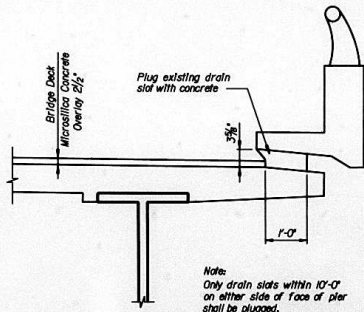


CURB AND PARAPET REPAIR DETAIL



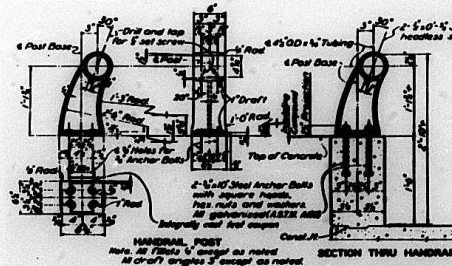
DECK OVERHANG REPAIR DETAILS BETWEEN DRAIN SLOTS

Maintain 1" minimum cover over existing reinforcement

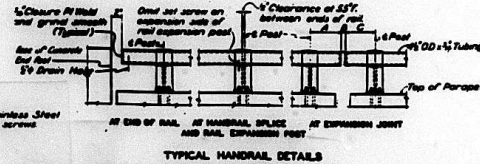
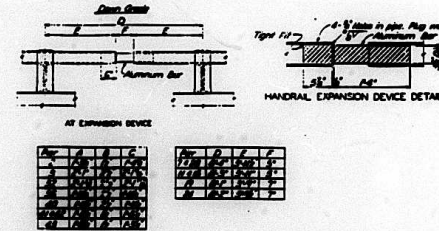


PLUGGING EXISTING DECK DRAIN

Section Thru Deck at Drain



EXISTING HANDRAIL AND HANDRAIL POST DETAILS



Note:
 All handrail posts shall be set normal to grade. Aluminum anchor chains between handrail post and post base may be used for adjusting handrail alignment. Maximum thickness of slabs to be 6". Where more lifting of post is required for proper alignment, concrete bearing areas shall be prepared ahead.
 The rail shall be installed in line or from panel lengths unless otherwise approved.
ALUMINUM HANDRAIL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
PLUGGING EXISTING DECK DRAINS	EACH	84

Note:
 Replacement, re-anchoring or tightening loose nuts on anchors of railing posts shall be incidental to ALUMINUM RAILING POST REPAIR.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARAPET, DECK OVERHANG & RAILING REPAIR DETAILS
 MISSISSIPPI RIVER BRIDGE**

FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBER 060-0035

DATE 1996

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

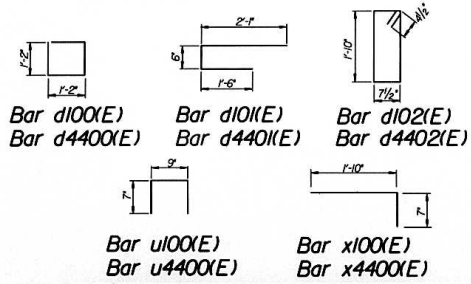
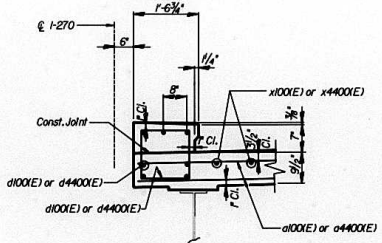
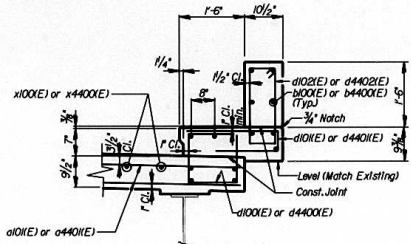
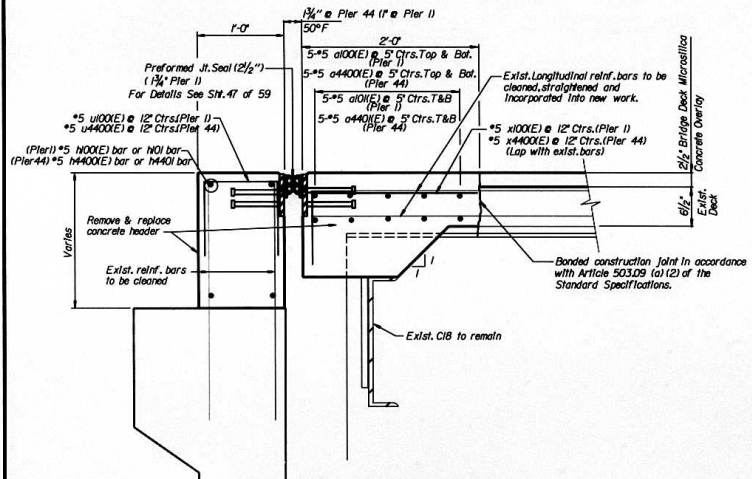
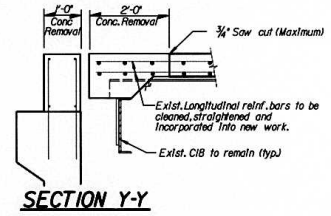
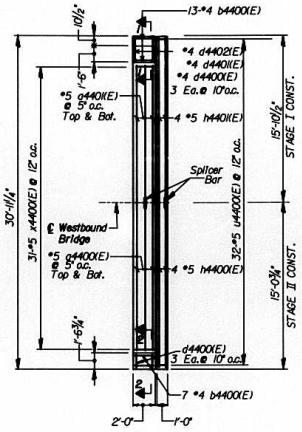
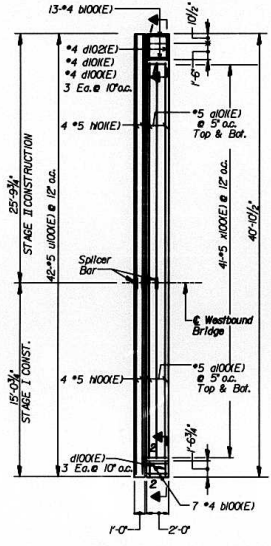
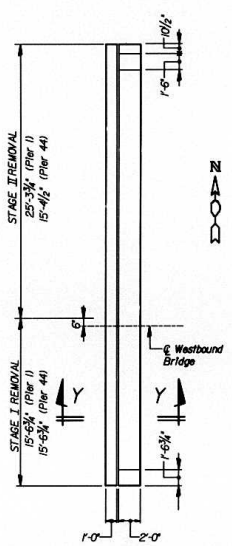


alfred benesch & company
 CONSULTING ENGINEERS
 200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270	*	MADISON	487	251
STA.	TO STA.		PROJECT	
60B-1-3	ILLINOIS		WESTBOUND BRIDGE REPAIR	
			SHT. 45 OF 59	

BILL OF MATERIAL

PIER 1	BAR NO.	SIZE	LENGTH	SHAPE
	a100(E)	10	*5	13'-7 1/2"
	a100(E)	10	*5	24'-0"
	b100(E)	20	*4	1'-6"
	d100(E)	6	*4	4'-8"
	d100(E)	3	*4	4'-1"
	d102(E)	3	*4	5'-8"
	n100(E)	4	*5	14'-9 1/2"
	n100(E)	4	*5	25'-7"
	u100(E)	42	*5	1'-11"
	x100(E)	41	*5	2'-5"
	a4400(E)	10	*5	13'-7 1/2"
	a4400(E)	10	*5	14'-6"
	b4400(E)	20	*4	1'-6"
	d4400(E)	6	*4	4'-8"
	d4400(E)	3	*4	4'-1"
	d4402(E)	3	*4	5'-8"
	m400(E)	4	*5	14'-9 1/2"
	m400(E)	4	*5	15'-8"
	u4400(E)	32	*5	1'-11"
	x4400(E)	31	*5	2'-5"
REINFORCEMENT BARS, EPOXY COATED			LBS	1430
CONCRETE SUPERSTRUCTURE			CU YDS	10J
PREFORMED JOINT SEAL 1 1/2"			LN.FT.	43
PREFORMED JOINT SEAL 2 1/2"			LN.FT.	33
CONCRETE REMOVAL			CU YDS	10J
PUMPING & ERECTING STRUCTURAL STEEL			LBS	1325
BAR SPICERS			EACH	28



ILLINOIS DEPARTMENT OF TRANSPORTATION
EXPANSION JOINTS AT PIERS 1 AND 44
MISSISSIPPI RIVER BRIDGE

FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

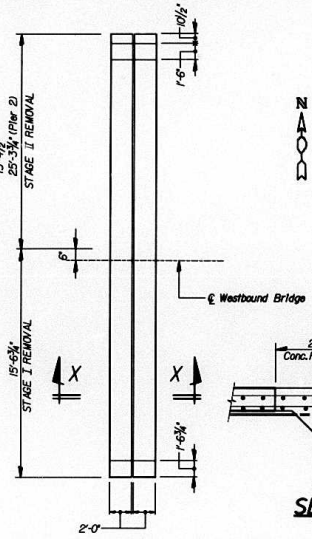
DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

alfred benesch & company
CONSULTING ENGINEERS
305 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60610
JOB NO. 3071

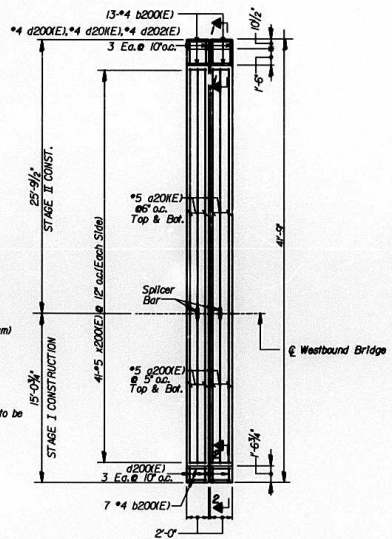
DATE 1996

BILL OF MATERIAL

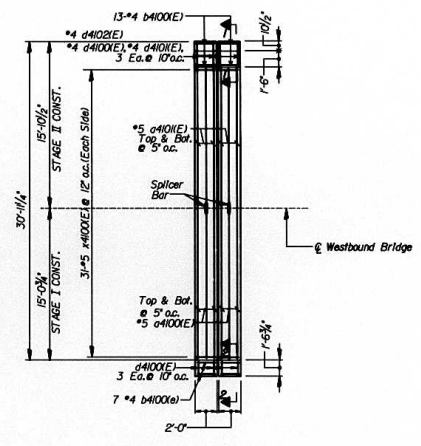
PIER 2	BAR	NO.	SIZE	LENGTH	SHAPE	
PIER 2	a200(E)	20	*5	13'-7 1/2"	—	
	a201(E)	20	*5	24'-0"	—	
	b200(E)	40	*4	1'-6"	—	
	d200(E)	12	*4	4'-8"	□	
	d201(E)	6	*4	4'-1"	□	
	d202(E)	6	*4	5'-8"	□	
PIERS 41, 42 & 43	x200(E)	82	*5	2'-5"	—	
	a4100(E)	60	*5	13'-7 1/2"	—	
	a4101(E)	60	*5	14'-6"	—	
	b4100(E)	120	*4	1'-6"	—	
	d4100(E)	36	*4	4'-8"	□	
	d4101(E)	18	*4	4'-1"	□	
	d4102(E)	18	*4	5'-8"	□	
	x4100(E)	186	*5	2'-5"	—	
	REINFORCEMENT BARS, EPOXY COATED			LBS	3690	
	CONCRETE SUPERSTRUCTURE			CU YDS	18	
PREFORMED JOINT SEAL 1 1/2"			LIN. FT.	33		
PREFORMED JOINT SEAL 2 1/2"			LIN. FT.	110		
CONCRETE REMOVAL			CU YDS	18		
FORMWORKING & ERECTING STRUCTURAL STEEL			LBS	2900		
BAR SPICERS			EACH	80		



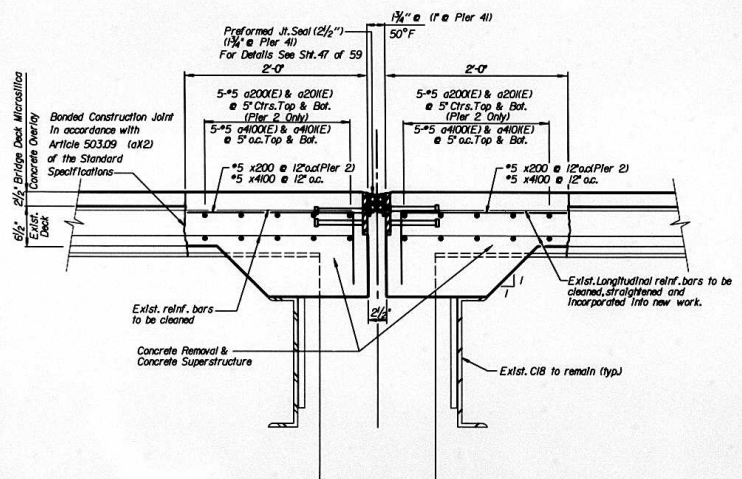
PLAN - CONCRETE REMOVAL
PIERS 2, 41, 42 & 43



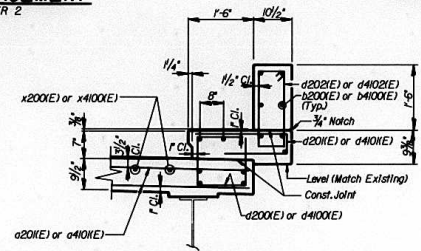
CONCRETE DECK REINFORCEMENT
PIER 2



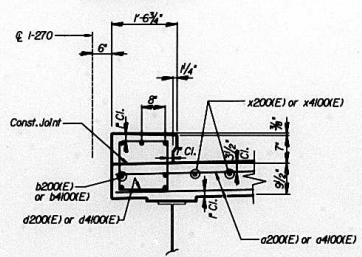
CONCRETE DECK REINFORCEMENT
PIERS 41, 42 & 43



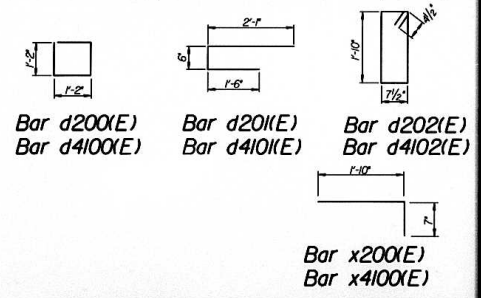
PREFORMED EXPANSION JOINT SEAL AT PIERS 2, 41, 42 & 43



SECTION 1-1



SECTION 2-2



Bar d200(E)
Bar d4100(E)

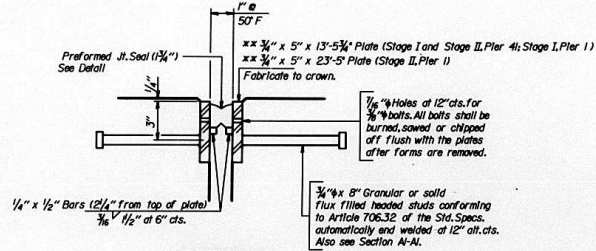
Bar d201(E)
Bar d4101(E)

Bar d202(E)
Bar d4102(E)

Bar x200(E)
Bar x4100(E)

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

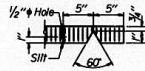
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-270		MADISON	487	253
STA.	TO STA.		PROJECT	
I.H.W.A. REGION	ILLINOIS	PROJECT		
60B-1-3				SHT. 47 OF 59



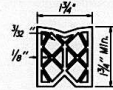
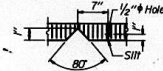
DETAIL B

xx Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 1/2". Seal space with Silicone Sealant suitable for Structural Steel.

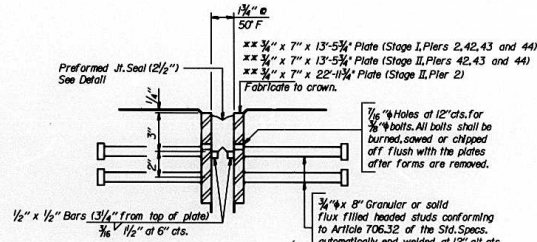
Note: After fabrication, all surfaces of the steel plates shall be given one shop coat of paint specified for structural steel, no field painting required.



END OF SEAL CUT-OUT SEAL CUT-OUT AT CURB



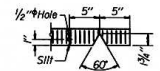
PREFORMED JOINT SEAL (1 3/4")



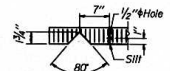
DETAIL A

xx Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 1/2". Seal space with Silicone Sealant suitable for Structural Steel.

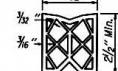
Note: After fabrication, all surfaces of the steel plates shall be given one shop coat of paint specified for structural steel, no field painting required.



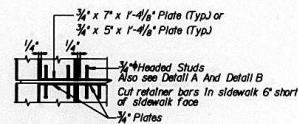
END OF SEAL CUT-OUT



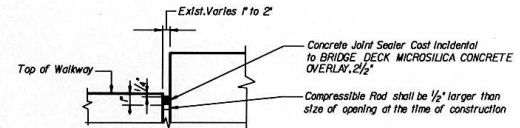
SEAL CUT-OUT AT CURB



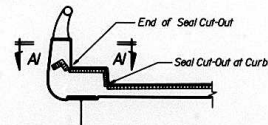
PREFORMED JOINT SEAL (2 1/2")



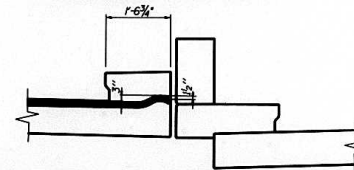
SECTION A-I-A



TYPICAL DETAIL FOR SEAL TREATMENT AT MEDIAN



TYPICAL SEAL TREATMENT AT PARAPET & CURB



TYPICAL SEAL TREATMENT AT MEDIAN CURB

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN



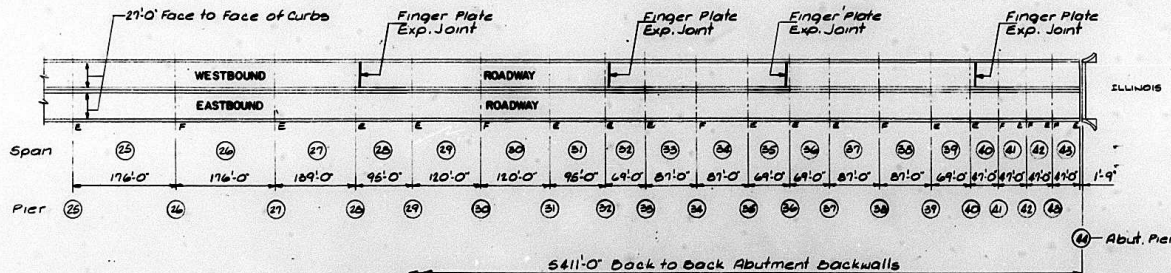
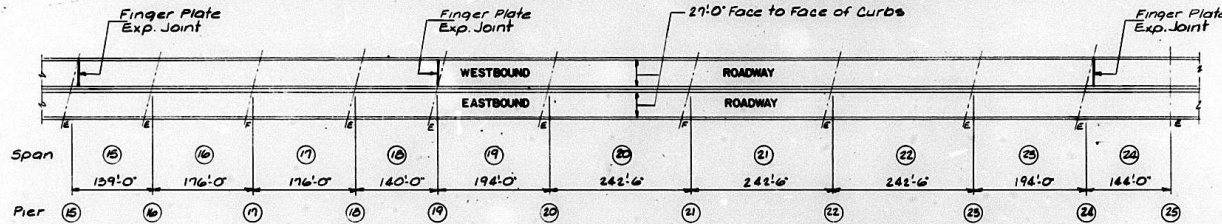
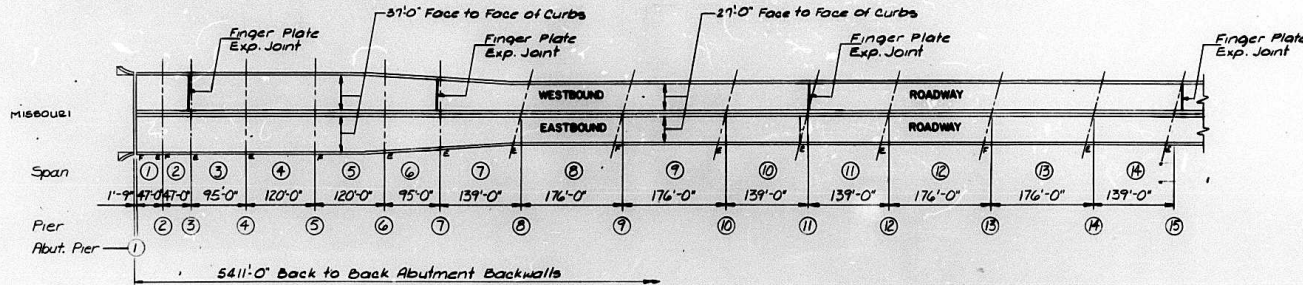
alfred benesch & company
CORPORATE HEADQUARTERS
280 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

DATE 1996

ILLINOIS DEPARTMENT OF TRANSPORTATION
PREFORMED JOINT SEAL DETAILS
MISSISSIPPI RIVER BRIDGE
FA-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

FAP No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 270	60B-1-2	MADISON		254
STA.	TO STA.			
F.R.M.A. REC.	ILLINOIS			

Sheet 1 of 11
Sheet 48 of 59



PLAN

DESIGN STRESSES

$f'_c = 3500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Reinforcement)
 $f_s = 20,000$ p.s.i. (M270 Grade 36 Structural Steel)
 $f_s = 27,000$ p.s.i. (M210 Gr. 30 Struct. Steel)

LOADING HS20-44

GENERAL NOTES

PASTERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 3/4" DIAMETER, OPEN HOLES 15/16" DIAMETER, UNLESS OTHERWISE NOTED.

CALCULATED WEIGHT OF STRUCTURAL STEEL:
M270 Grade 36 = 125.9 LBS.
M270 Grade 50 = 82,780 LBS.

ROADWAY EXPANSION GUARDS SHALL BE ASSEMBLED IN THE PROPER POSITION WITH THE ENDS IN PLACE AND SHALL BE LEFT ASSEMBLED FOR SHOP INSPECTION.

THE ROADWAY EXPANSION PLATES SHALL BE PLATE CUT AS PROVIDED IN ARTICLE 505.04 (K) OF THE STANDARD SPECIFICATIONS.

THE INORGANIC ETHYL-RICH PAPER/ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE ACRYLIC FINISH SHALL BE INTERSTATE GREEN, PUNDEL NO. 7.3 9/4. SEE SPECIAL PROVISION FOR "CLEANING AND PAINTING METAL STRUCTURES."

FOR NOTES CONCERNING CLEANING & PAINTING EXISTING STRUCTURAL STEEL SEE SHEET 3 OF 59

ALL NEW STRUCTURAL STEEL SHALL CONFORM TO AASHTO M-270 GRADE 36 EXCEPT AS NOTED.

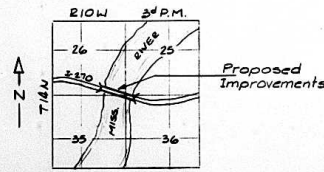
FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO HOWEVER CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

TRAFFIC SHALL BE MAINTAINED UTILIZING STAGED CONSTRUCTION.

ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPICER OR ANCHORAGE SYSTEM. COST INCIDENTAL TO "CONCRETE REMOVAL".



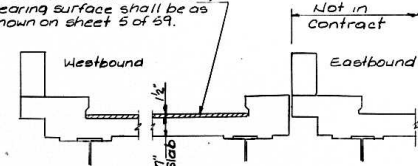
LOCATION SKETCH

APPROVED
FOR STRUCTURAL AGENCY CHECK
Robert E. Adams
MEMBER OF ENGINEERS AND ARCHITECTS

SEAL OF ILLINOIS
REGISTERED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS
4-22-96
ILLINOIS STRUCTURAL #4100
Expires 11-30-96

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
WB ROADWAY - FINGER PLATE REPAIRS
1-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
FA.I. RT. 270 **SEC. 60B-I-3**
STA. 780 00.25' **MADISON CO., IL**
STRUCT. 060-0035

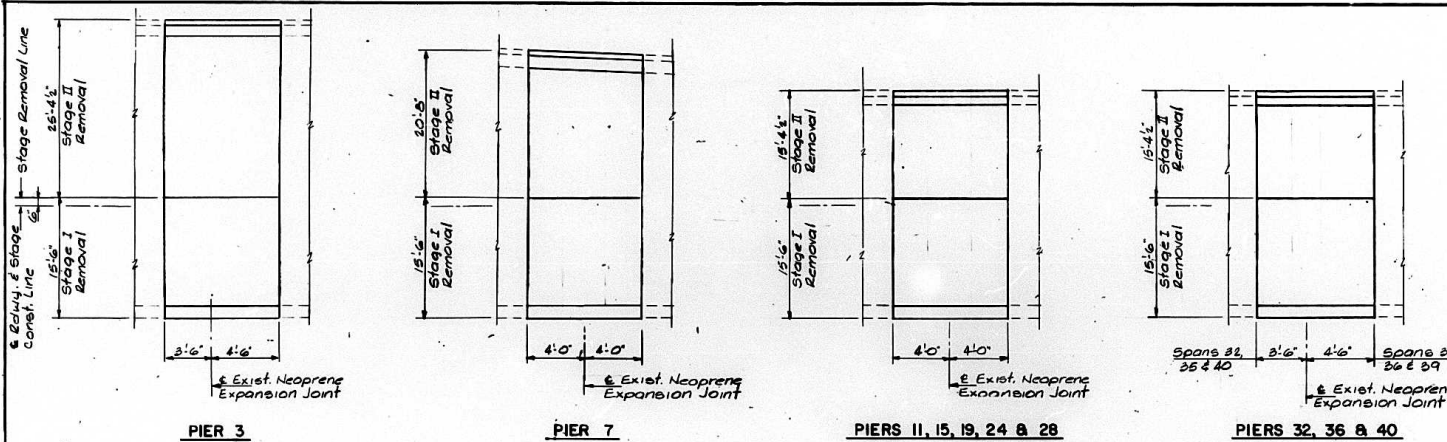
Note: Removal of the existing wearing surface shall be as shown on sheet 5 of 59.



See Sheet 2 of 11 for dimensions not shown.

EXISTING SECTION THRU CURB & PARAPET

EXISTING SECTION THRU MEDIAN & PARAPET



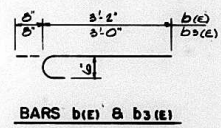
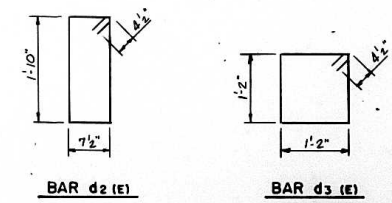
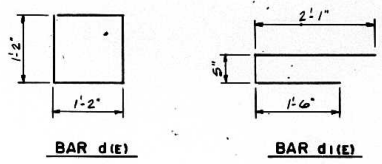
PARTIAL PLAN SHOWING REMOVALS
Westbound Roadway

Note: Existing longitudinal reinforcement extending into removal areas shall be cleaned, straightened and incorporated into the new cast.

BAR LIST

BAR	NUMBER										TOTAL	SIZE	LENGTH	SHAPE
	Pier 3	Pier 7	Pier 11	Pier 15	Pier 19	Pier 24	Pier 28	Pier 32	Pier 36	Pier 40				
a1(E)	24	20	40	40	32	32	40	40	40	40	372	#5	14'9"	□
a1(E)	24										24	#5	24'9"	□
a2(E)		10									10	#5	19'10"	□
a3(E)		10									10	#5	19'5"	□
b1(E)	70	60	56	56			56	56	56	56	480	#6	31'0"	□
b1(E)	70	60	56	56			56	56	56	56	480	#8	31'0"	□
b2(E)	40	40	40	40			40	40	40	40	320	#5	31'5"	□
b3(E)					56	56					112	#6	31'6"	□
b4(E)					40	40					80	#5	31'4"	□
b5(E)					56	56					112	#5	31'2"	□
d1(E)	8	8	8	8	8	8	8	8	8	8	80	#4	4'5"	□
d1(E)	8	8	8	8	8	8	8	8	8	8	80	#4	4'0"	□
d2(E)	8	8	8	8	8	8	8	8	8	8	80	#4	5'0"	□
d3(E)	8	8	8	8	8	8	8	8	8	8	80	#4	5'5"	□

Reinforcement bars designated (E) shall be epoxy coated.



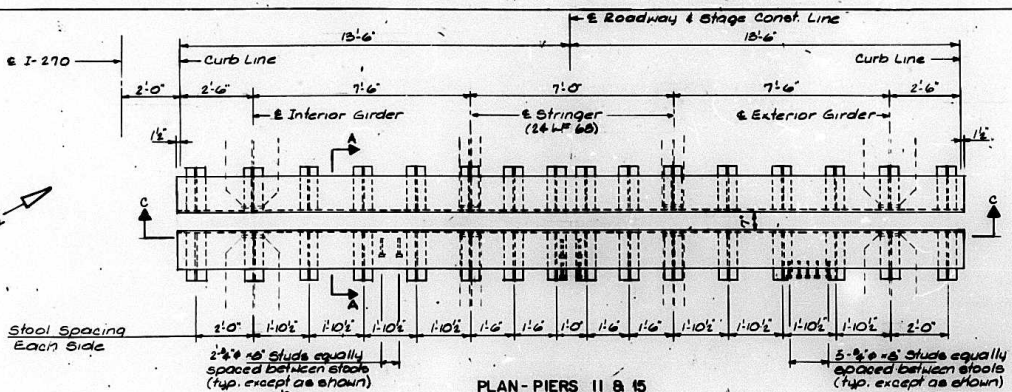
SUBTOTAL BILL OF MATERIAL

ITEM	UNIT	Pier 3	Pier 7	Pier 11	Pier 15	Pier 19	Pier 24	Pier 28	Pier 32	Pier 36	Pier 40	TOTAL
Concrete Removal	Cu.Yds.	8.6	7.7	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.7	69.2
Concrete Superstructure	Cu.Yds.	9.5	8.7	7.6	7.5	7.0	7.0	7.5	7.4	7.4	7.4	77.1
Reinforcement Bars Epoxy Coated	Lbs.	1920	1590	1290	1320	1220	1220	1500	1500	1500	1500	14610
Structural Steel	L.Sum											1
Reinforced Neoprene Exp. Joint Treatment	Foot	29	25	20	20	20	20	29	29	29	29	211
Bar Bolsters	Each	24	20	20	16	16	20	24	24	24	24	205
Protective Coat	Sq.Yds.	4.1	3.9	3.3	3.3	3.4	3.4	3.9	4.1	4.1	4.1	35.6
Structural Steel Removal	Lbs.	-	4120	4020	4020	4020	4020	3520	-	-	-	23920

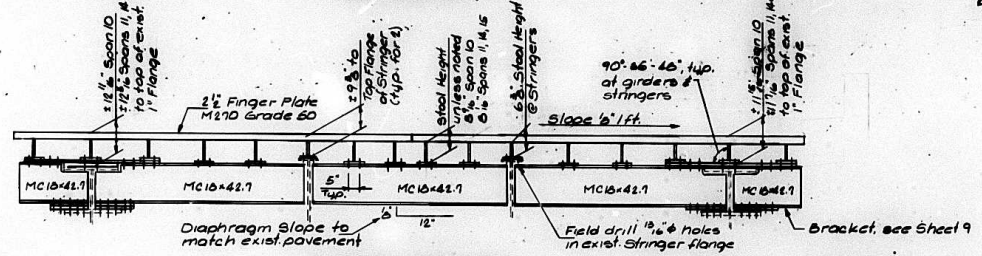
* Quantity is for top & inside surfaces of parapet & median only

PLAN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60B-I-3	60B-I-3	MADISON	10	257
PROJECT NO.	ALIGNED	TO STA.		

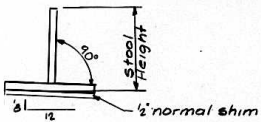
Sheet 4 of 11
Sheet 61 of 59



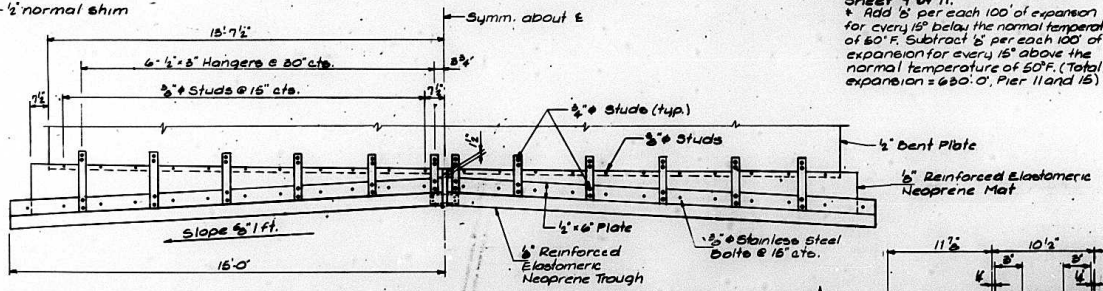
PLAN - PIERS II & 15
Westbound Roadway



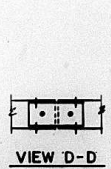
ELEVATION - PIERS II & 15



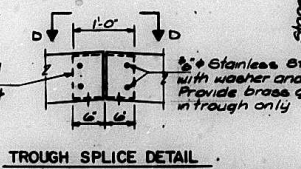
STOOL DETAIL



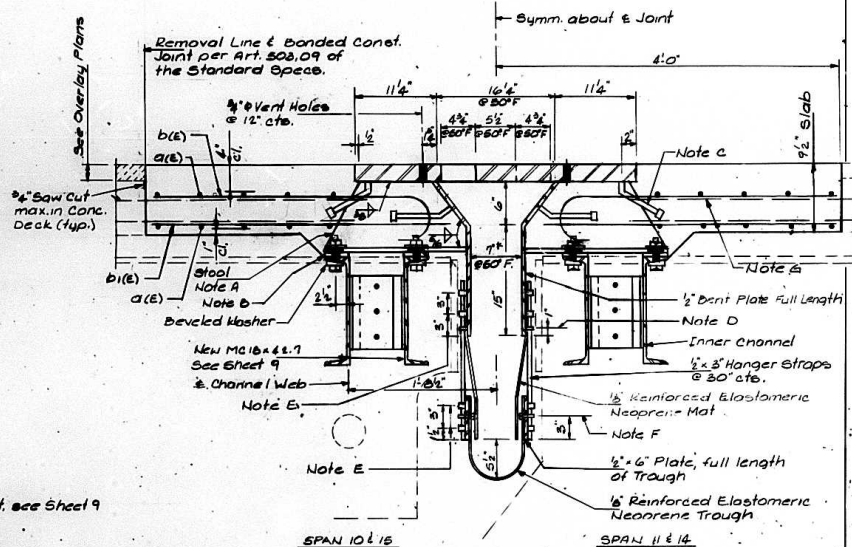
SECTION C-C



VIEW D-D



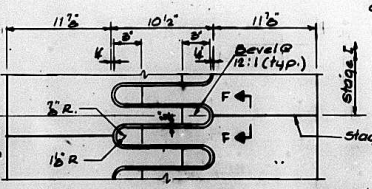
TROUGH SPLICE DETAIL



SECTION A-A

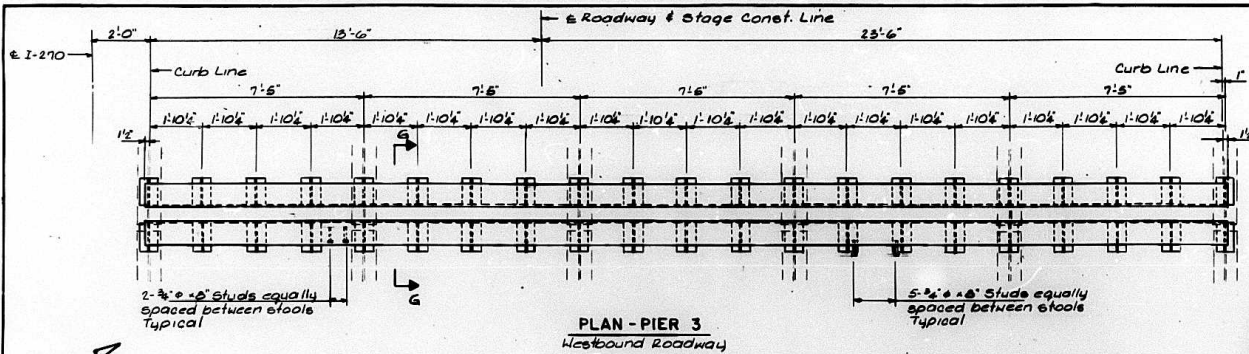
NOTES
For details of sliding plates at curb, median and parapet see Sheet 9 of 11.
* Add 1/2" per each 100' of expansion for every 15° below the normal temperature of 50° F. Subtract 1/2" per each 100' of expansion for every 15° above the normal temperature of 50° F. (Total expansion = 650.0', Pier II and 15)

- Note A: Stools to be fabricated from 3/4" Plates, 1 3/4" holes in stool flanges, 2 3/4" x 2 3/4" square washers, 4 - 3/4" x 1/2" bolts each connection, 5" stool bolt, flange
- Note B: 1/2" normal shim plus one 1/4" one-bolt and one 1/2" shim for height adjustment.
- Note C: 3/4" x 8" granular or solid flux filled studs conforming to Article 106.32 of the Standard Specs, automatically and welded.
- Note D: 3/4" x 8" studs @ 16" cts. with washer and nut automatically and welded. Provide brass grommet in mat.
- Note E: 2 - 3/4" x 8" studs with washer and nut automatically and welded.
- Note F: 3/4" x 8" stainless steel bolts @ 15" cts. with washer and nut. Provide brass grommet in trough
- Note G: Existing longitudinal reinforcement extending into removal area shall be cleaned, straightened and incorporated into the new construction.



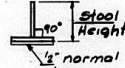
FLAME CUTTING DIAGRAM
Cut from R-2 1/2" x 2 1/2" x 27'5" (M210, Gr. 50)
2. Required

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXPANSION DEVICE AT PIERS II & 15
WB ROADWAY-FINGER PLATE REPAIRS
I-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
F.A.I. RT. 270 SEC. 60B-I-3
MADISON CO., ILL.
STA. 780 0025 STRUCT. 060-0036

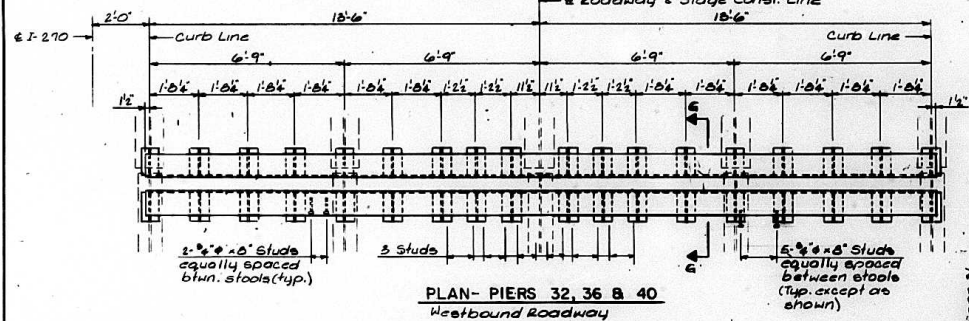


PLAN - PIER 3
Westbound Roadway

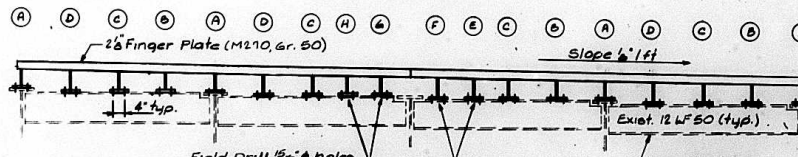
STOOL HEIGHTS				
	A	B	C	D
Span 2	6 5/8	7 1/8	7 3/8	7 1/2
Span 3	7 1/4	8	8 1/4	8 1/2



ELEVATION - PIER 3



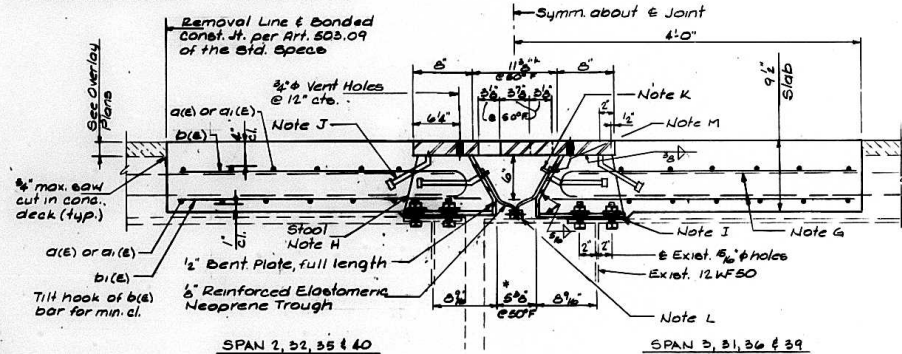
PLAN - PIERS 32, 36 & 40
Westbound Roadway



ELEVATION - PIERS 32, 36 & 40

	A	B	C	D	E	F	G	H
Span 31	7 3/8	7 1/2	8 1/8	8 3/8	8 1/2	8 3/4	7 5/8	7 3/4
Span 32, 35, 36 & 39	7 5/8	7 1/2	8 1/8	8 3/8	8 1/2	8 3/4	7 5/8	7 3/4
Span 40	6 5/8	7 1/8	7 3/8	7 1/2	7 3/8	7 1/2	7 1/8	7 1/8

- Note G: Existing longitudinal reinforcement extending into removal area shall be cleaned, straightened and incorporated into the new construction.
- Note H: Stools to be fabricated from 3/4" Plates 1 1/2" holes in stool flanges, 2 3/4" x 2 3/4" square washers, 4 1/2" x H.E. bolts each connection, 5" stool Flange 1/2" normal shim plus one 1/4", one 5/8" & one 1/2" shim for height adjustment.
- Note I: 3/4" x 6" granular or solid flux filled studs conforming to article 706.22 of the Standard Specifications automatically end welded.
- Note J: 3/8" x 6" studs @ 18" o.c. with washer and nut, automatically end welded. Provide braces grammaet in trough.
- Note K: 2" x 1/2" x 1" bars full length of trough with 3/8" x Stainless steel bolts @ 12" o.c. with washer and nut.
- Note L: Apply 1/2" bead of silicone sealant suitable for use on painted steel between neoprene mat and steel plate.



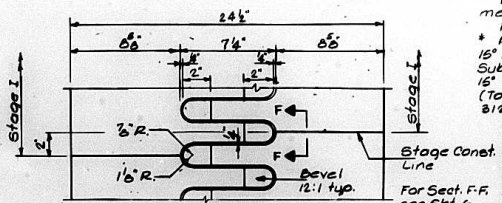
SPAN 2, 32, 35 & 40

SPAN 3, 31, 36 & 39

SECTION G-G

NOTES

For details of sliding plates at curb, median & parapet sheet 9 of 11
 For details of Trough see sheet 5 of 11
 * Add 1/2" per each 100' of expansion for every 15' below the normal temperature of 50°F.
 Subtract 1/2" per each 100' of expansion for every 15' above the normal temperature of 50°F.
 (Total expansion = 2 1/2" Pier 3, 3 1/4" Pier 32, 3 1/2" Pier 36 and 2 1/2" Pier 40)

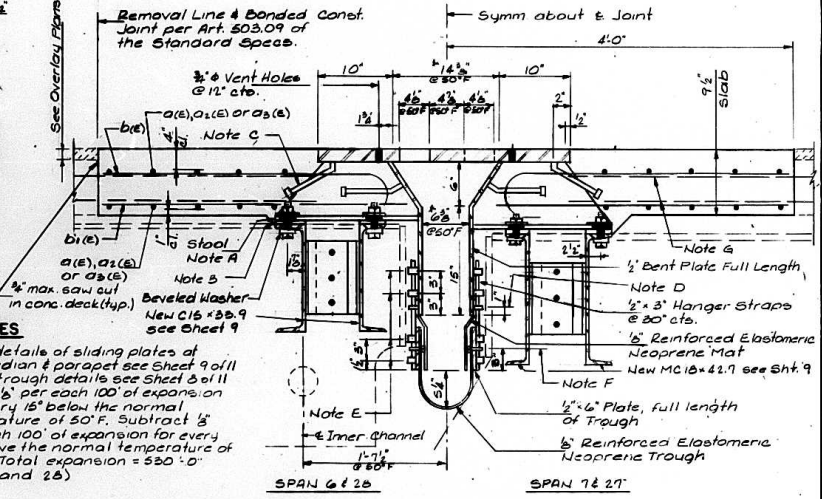
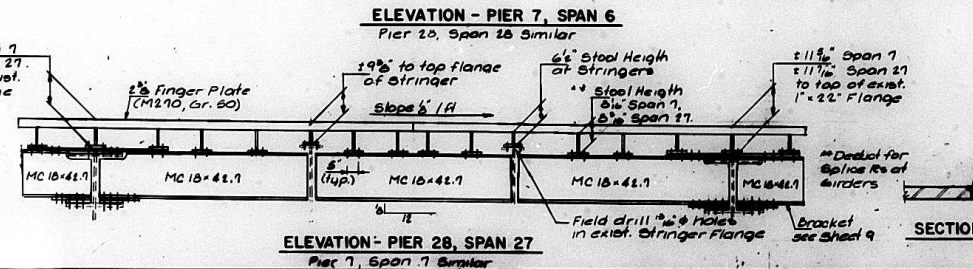
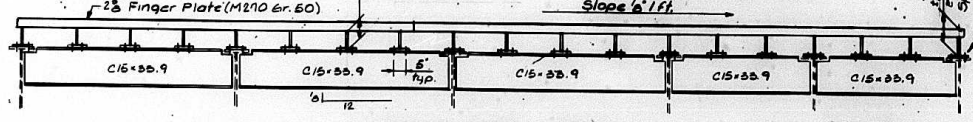
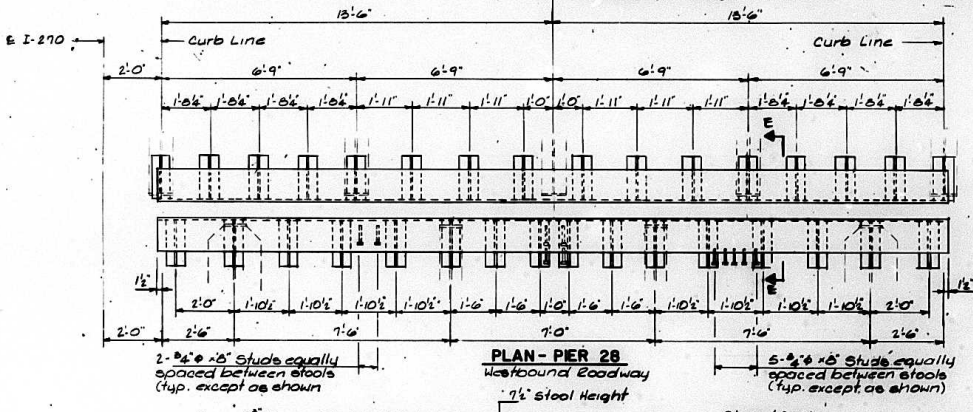
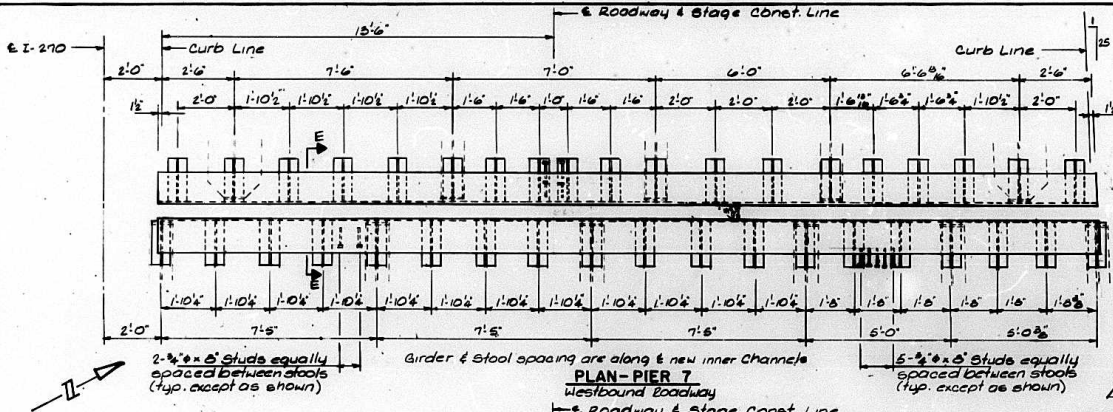


FLAME CUTTING DIAGRAM

Pier 3 - Cut from R-2 1/2" x 24 1/2" x 27' 8" (M210 Gr. 50)
 1 Required
 Piers 32, 36 & 40 - Cut from R-2 1/2" x 24 1/2" x 27' 8" (M210 Gr. 50)
 3 Required

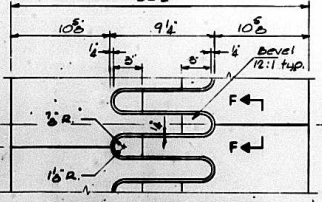
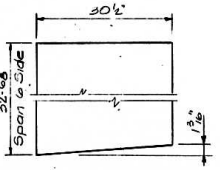
IND. FILE NO.	SECTION	COUNTY	TOTAL SHEET NO.
FAT 170	60B-I-3	MADISON	259
STA.	TO STA.		
TRKWA. REG.	MILES		

Sheet 4 of 11
Sheet 53 of 59



NOTES
For details of sliding plates of curb, median & parapet see Sheet 9 of 11
For trough details see Sheet 3 of 11
* Add 1/2" per each 100' of expansion for every 15' below the normal temperature of 50° F. Subtract 1/2" per each 100' of expansion for every 15' above the normal temperature of 50° F. (Total expansion = 530' 0" Pier 7 and 28)

Field drill 3/8" holes in exist. 2" x 10" flange. Field drill 1/2" holes in exist. 2" x 10" flange to match holes in exist. 2" x 10" flange (Typ. all girders Span 6 & 28)

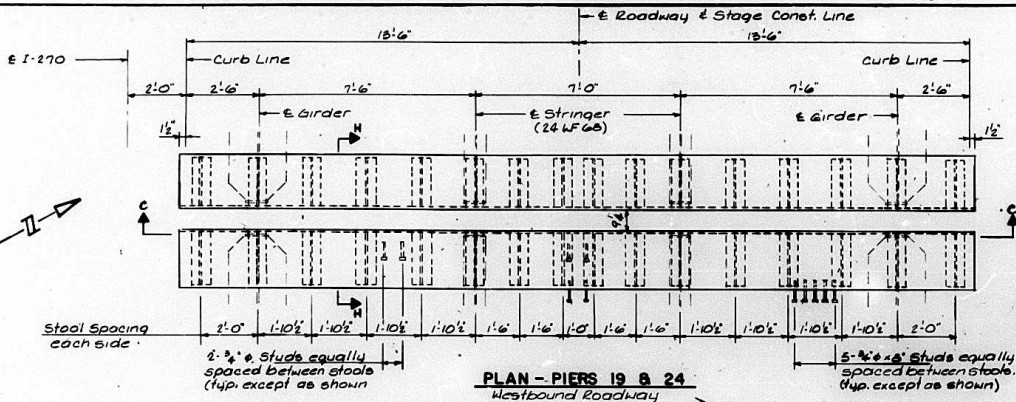


Pier 7 - Cut from R-25 (30 1/2" x 32 1/2" x 6") (M210, Gr. 50) See Detail
Pier 28 - Cut from R-30 (27" x 30 1/2" x 27 1/2") (M210, Gr. 50)

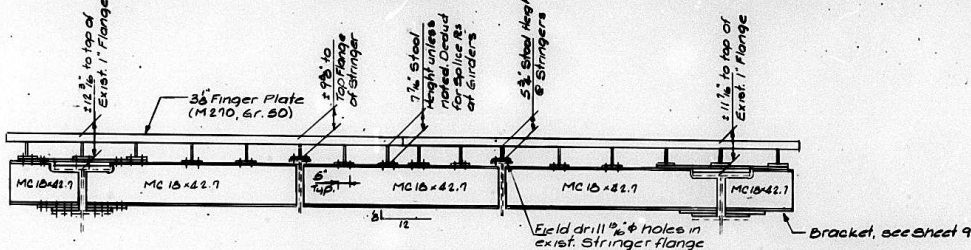
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXPANSION DEVICE AT PIERS 7 & 28
WB ROADWAY - FINGER PLATE REPAIRS
I-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
F.A.I. RT. 270
SEC. 60B-I-3
MADISON CO., IL
STA. 780 00:25
STRUCT. 060-0035

F&P RITE	SECTION	COUNTY	TOTAL SHEET NO.
F&P 770	608-1-3	MADISON	260
STA.	FROM STA.		TO STA.
	KUNOS		

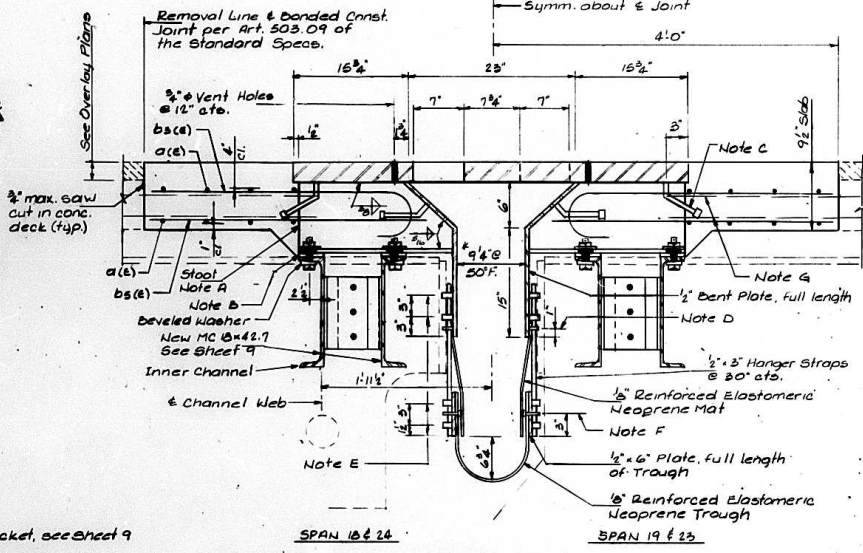
Sheet 7 of 11
Sheet 54 of 59



PLAN - PIERS 19 & 24
Westbound Roadway



ELEVATION - PIERS 19 & 24

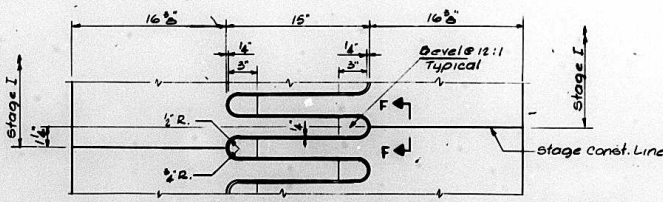


SECTION - H-H

For Notes A thru G see sheet 4

NOTES

- For details of sliding plates at curb, median and parapet see Sheet 9 of 11.
- For Section C-C (Trough Details) see Sheet 4 of 11.
- * Add 1/8" per each 100' of expansion for every 15° below the normal temp. of 60°F. Subtract 1/8" per each 100' of expansion for every 15° above the normal temperature of 60°F. (Total expansion = 151.6" Pier 19 and 99.0" Pier 24)



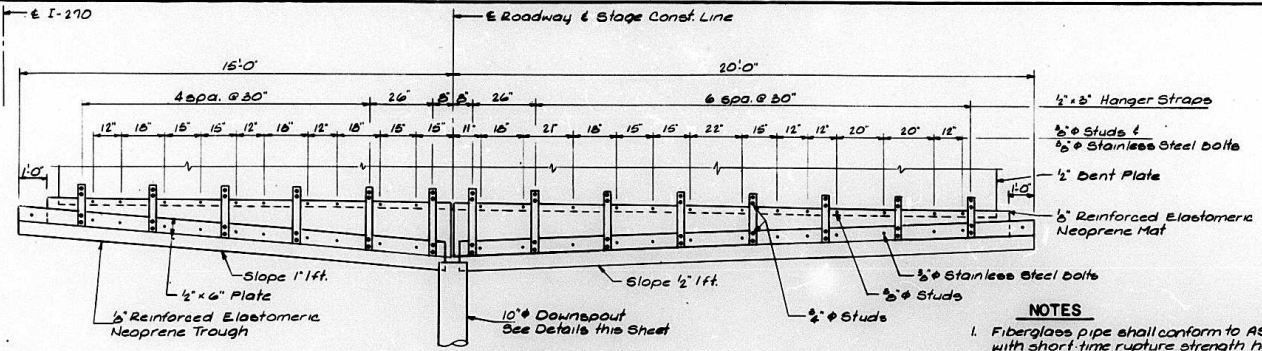
FLAME CUTTING DIAGRAM
Cut from R-3/8" x 47 1/4" x 27'-5" (M210 Gr. 50)
2 Required

For Section F-F see Sheet 6

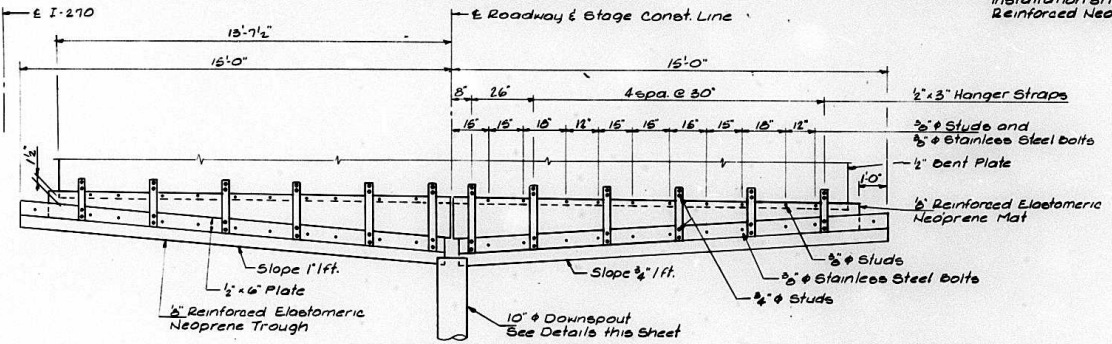
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXPANSION DEVICE AT PIERS 19 & 24
WB ROADWAY-FINGER PLATE REPAIRS
1-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
 F.A.I. RT. 270 SEC. 608-1-3
 MADISON CO., IL
 STA. 760.00.25 STRUCT. 080-0035

APP. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 270	608-I-3	MADISON		28
STA.	TO STA.			
780 00.25	81.50			

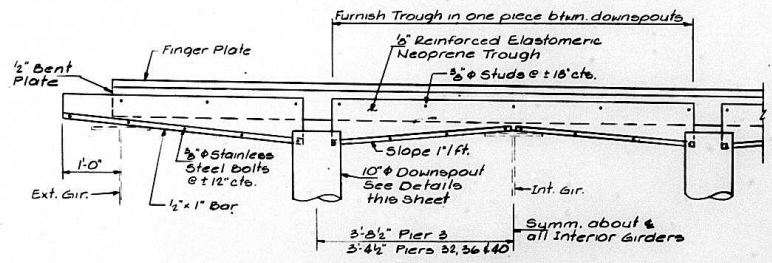
Sheet 8 of 11
Sheet 55 of 59



TROUGH DETAILS - PIER 7

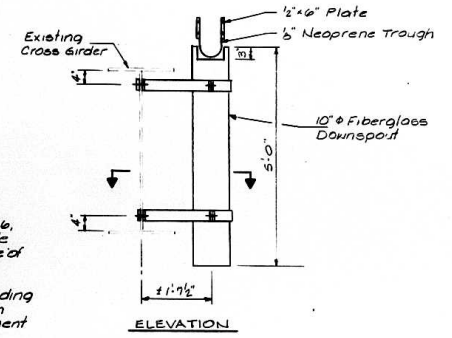


TROUGH DETAILS - PIER 28

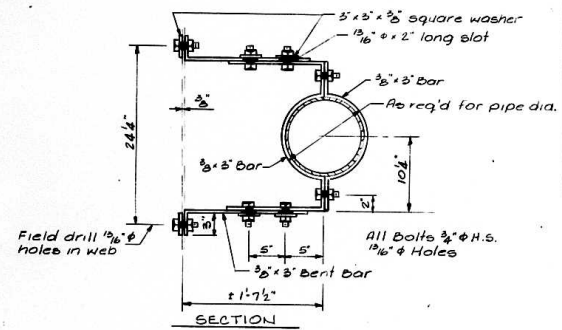


TROUGH DETAILS - PIERS 3, 32, 36 & 40

- NOTES**
- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum. The surface of the fiberglass pipe shall be free of bond inhibiting agents.
 - Cost of the fiberglass pipe & all parts including installation shall be incidental to the item Reinforced Neoprene Expansion Joint Treatment.

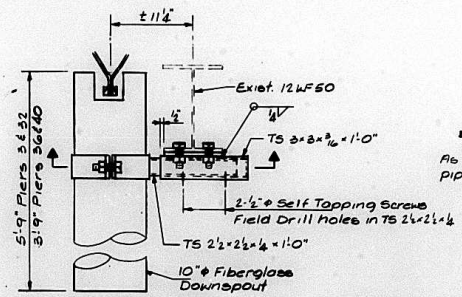


ELEVATION



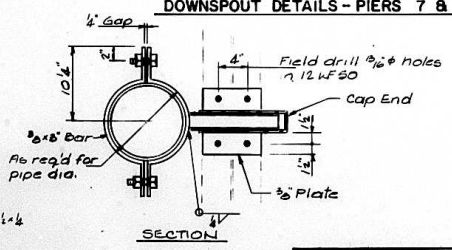
SECTION

DOWNSPOUT DETAILS - PIERS 7 & 28



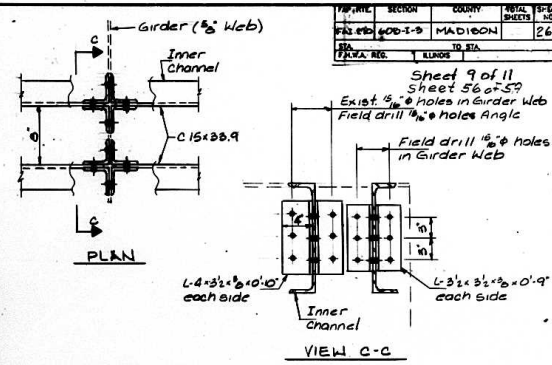
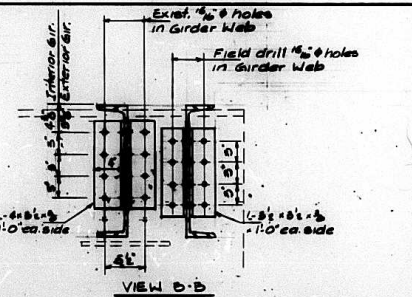
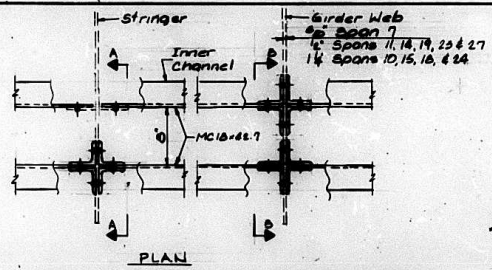
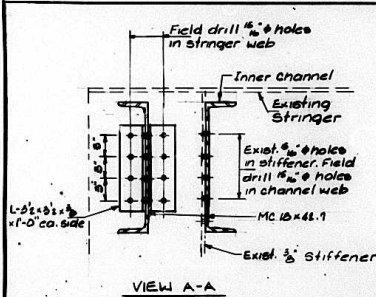
ELEVATION

DOWNSPOUT DETAILS - PIERS 3, 32, 36 & 40



SECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
TROUGH DETAILS
 WB ROADWAY - FINGER PLATE REPAIRS
 I-270 OVER MISSISSIPPI
 AT CHAIN OF ROCKS
 F.A.I. RT. 270 SEC. 608-I-3
 MADISON CO., ILL.
 STA. 780 00.25 STRUCT. 060-0035



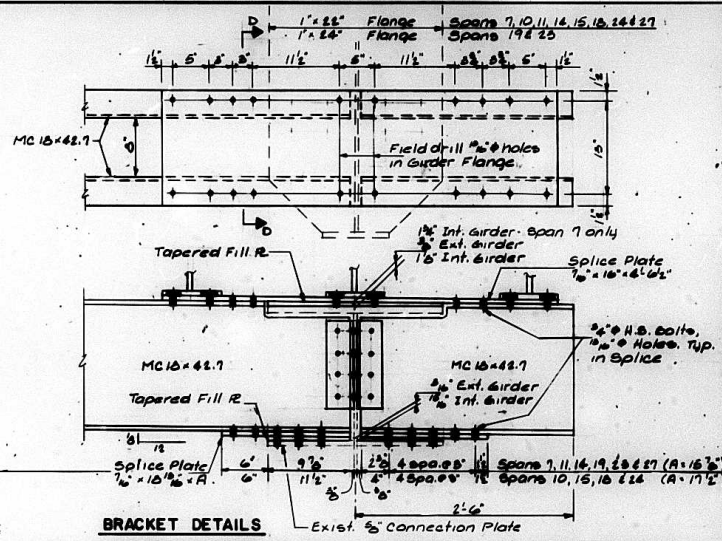
PROJECT	SECTION	COUNTRY	DATE	SHEET NO.
FD-270	60B-1-3	MADISON		262
SCALE	AS SHOWN			

Sheet 9 of 11
Sheet 56 of 57
Exist. 1/2 inch holes in Girder Web
Field drill 1/2 inch holes Angle

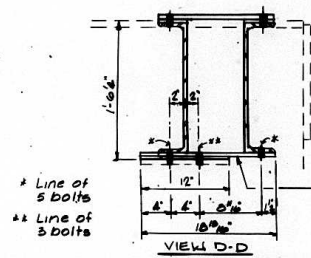
DIAPHRAGM DETAILS- SPANS 7, 10, 11, 14, 15, 18, 19, 23, 24 & 27

DIAPHRAGM BRACING
(Typical in all Spans)

DIAPHRAGM DETAILS - SPANS 6 & 28

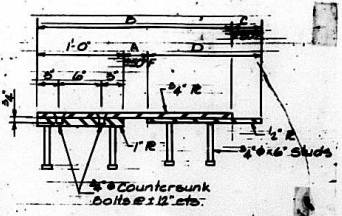


BRACKET DETAILS

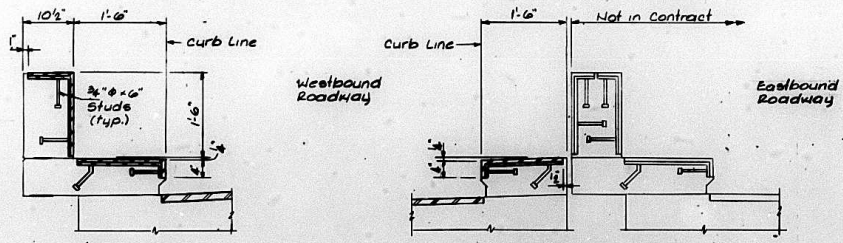


VIEW D-D

* Line of 5 bolts
** Line of 3 bolts



	A	B	C	D
Piers 3, 23, 24 & 40	56	12	13	10
Piers 7 & 25	63	17	15	11
Piers 11 & 12	7	10	8	12
Piers 14 & 24	9	10	7	12



AT CURB & PARAPET

AT MEDIAN & PARAPET

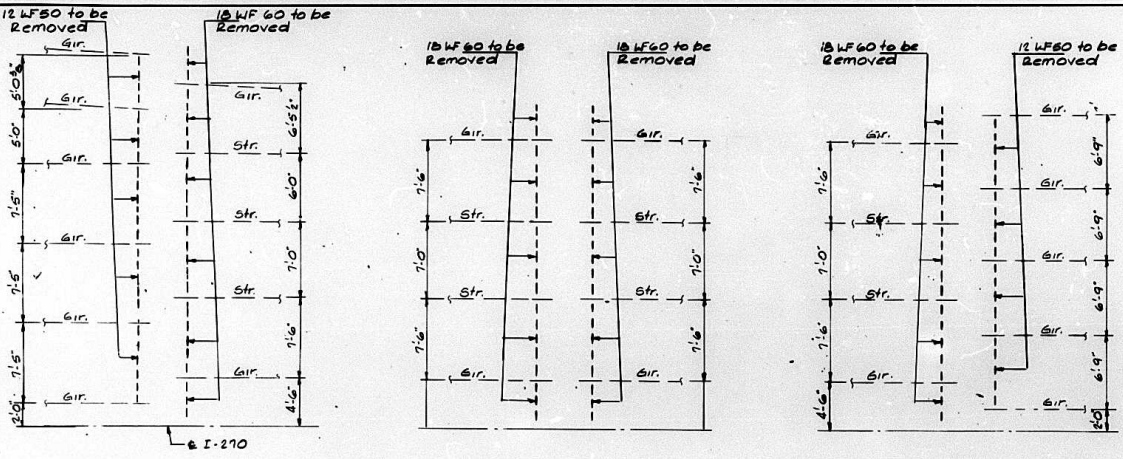
SLIDING PLATE DETAILS

NOTE - TYP. ALL DIAPHRAGMS
All Diaphragm connections, including Bent Plate Brackets: 3/4 inch H.S. bolts, 1/4 inch Holes, 2 Hardened washers per bolt, (one each side)

ILLINOIS DEPARTMENT OF TRANSPORTATION
STEEL DETAILS
WB ROADWAY - FINGER PLATE REPAIRS
I-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
P.A.I. RT. 270 SEC. 60B-1-3
MADISON CO., ILL.
STA. 780-00.25 STRUCT. 080-0035

FAP A/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-LEP	60B-I-3	MADISON		263
STA.		TO STA.		
ILLINOIS REG.		ILLINOIS		

Sheet 10 of 11
Sheet 57 of 59

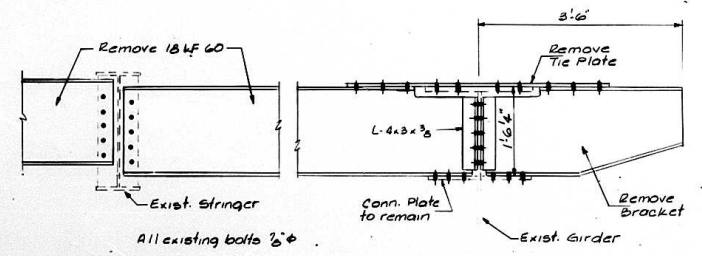


PIER 7

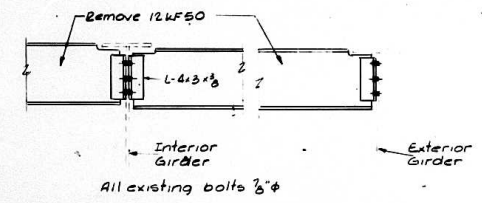
PIERS II, 15, 19 & 24

PIER 28

PARTIAL FRAMING PLAN SHOWING STEEL REMOVALS
Westbound Roadway



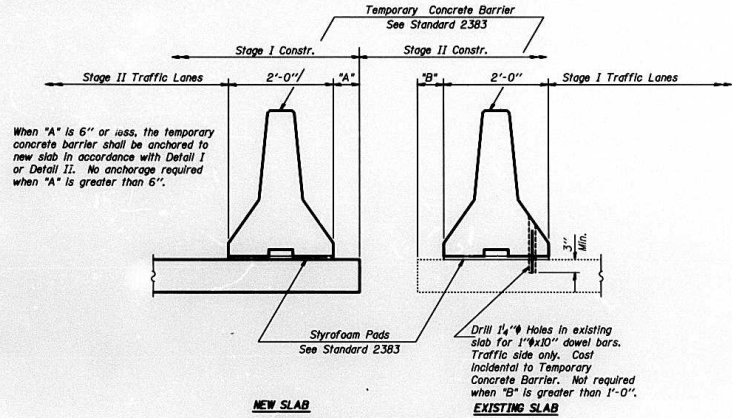
PARTIAL CROSS SECTION - SPANS 7, 10, 11, 14, 15, 18, 19, 23, 24 & 27



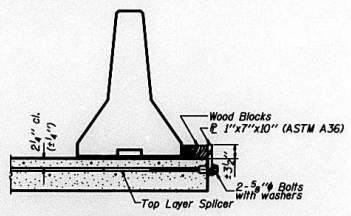
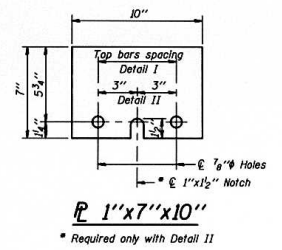
PARTIAL CROSS SECTION - SPANS 6 & 28

ILLINOIS DEPARTMENT OF TRANSPORTATION
STEEL REMOVALS
WB ROADWAY - FINGER PLATE REPAIRS
I-270 OVER MISSISSIPPI
AT CHAIN OF ROCKS
F.A.I. RT. 270
STA. 780 00.25
SEC. 60B-I-3
MADISON, ILL.
STRUCT. 060-0035

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	265
STA.	TO STA.			
F.A.S.A. REGION	LINKS	PROJECT		
#60B-1-3		SHT. 59 OF 59		

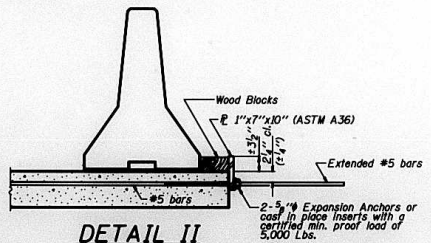


NEW SLAB
EXISTING SLAB
SECTIONS THRU SLAB



DETAIL I

The 1" x 7" x 10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1" x 7" x 10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x 10" steel E to the top layer of couplers with 2-5/8" bolts screwed to coupler at approximate E of each 10'-0" barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x 10" steel E to the concrete slab with 2-5/8" Expansion Anchors or cast in place Inserts spaced between the top layer of reinforcement at approximate E of each 10'-0" barrier panel.
Cost of anchorage is incidental to Temporary Concrete Barrier.

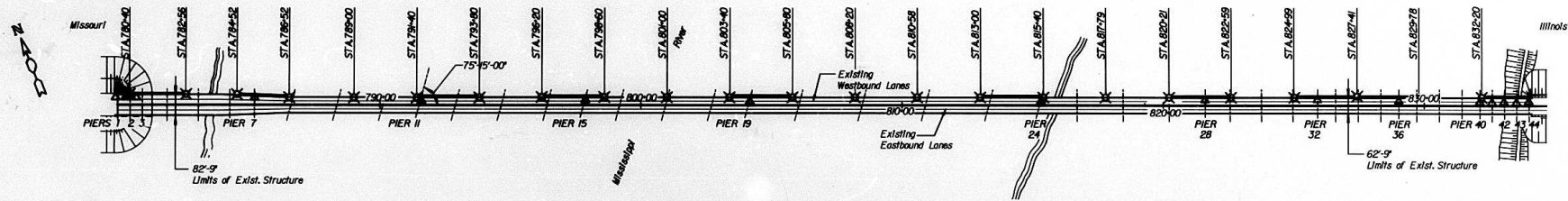
ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER
FAI-270 OVER THE MISSISSIPPI RIVER
WESTBOUND BRIDGE REPAIR
SECTION 60B-1-3
MADISON COUNTY
STRUCTURE NUMBER 060-0035

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3011

DATE 1996

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

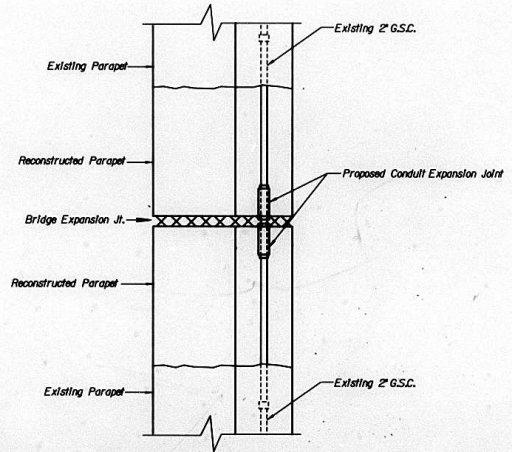
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-270		MADISON	487	266
STA.	TO STA.		PROJECT	
FAHWA REGION	ELLINGS			
=60B-I-3			SHT. 1 OF 1	



PLAN OF EXISTING & REHABILITATED BRIDGE

LEGEND

- ⊗ EXISTING ROADWAY LIGHTING
- △ CONDUIT EXPANSION JOINT DETAIL
- CABLE REPLACEMENT



NOTE:
 REPLACE ELECTRICAL CABLE BETWEEN ROADWAY LIGHTING, WHERE CONDUIT EXPANSION JOINTS ARE REQUIRED.
 ALL LIGHTS TO OPERATE FROM DUSK TO DAWN DAILY.
 REPLACE CONDUIT EXPANSION JOINT BACK INTO RE-CONSTRUCTED PARAPET.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
ELECTRICAL CONDUCTORS IN CONDUIT, 600 (XLP-TYPE USE) 1/C No.6	LIN.FT	8625
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2875

**PLAN
 CONDUIT EXPANSION JOINT DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ELECTRICAL CABLE REPLACEMENT
 MISSISSIPPI RIVER BRIDGE
 FAI-270 OVER THE MISSISSIPPI RIVER
 WESTBOUND BRIDGE REPAIR
 SECTION 60B-I-3
 MADISON COUNTY
 STRUCTURE NUMBERS 060-0035

DATE 1996

DESIGNED	JN
CHECKED	DM
DRAWN	CD
CHECKED	JN

alfred benesch & company
 CONSULTING ENGINEERS
 305 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 3011