

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	18RD M-1	ROCK ISLAND	57	1
ILLINOIS CONTRACT NO. 64J48				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

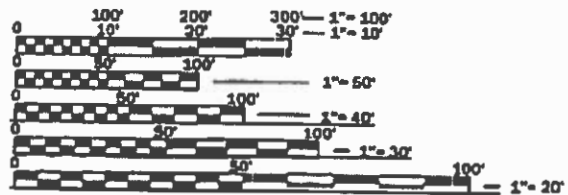
**PROPOSED
HIGHWAY PLANS**

DESCRIPTION OF IMPROVEMENT

THE IMPROVEMENT CONSISTS OF SCOUR COUNTERMEASURES WITH SANDBAGS AND RIPRAP TO STRUCTURE CARRYING US 67 (CENTENNIAL BRIDGE) OVER THE MISSISSIPPI RIVER (S.N. 081-9905)

**ROUTE: FAP 308 (US 67)
SECTION: (3BR) M-1
PROJECT STP-X8AR(278)
SCOUR COUNTERMEASURES
ROCK ISLAND COUNTY**

C-92-041-13

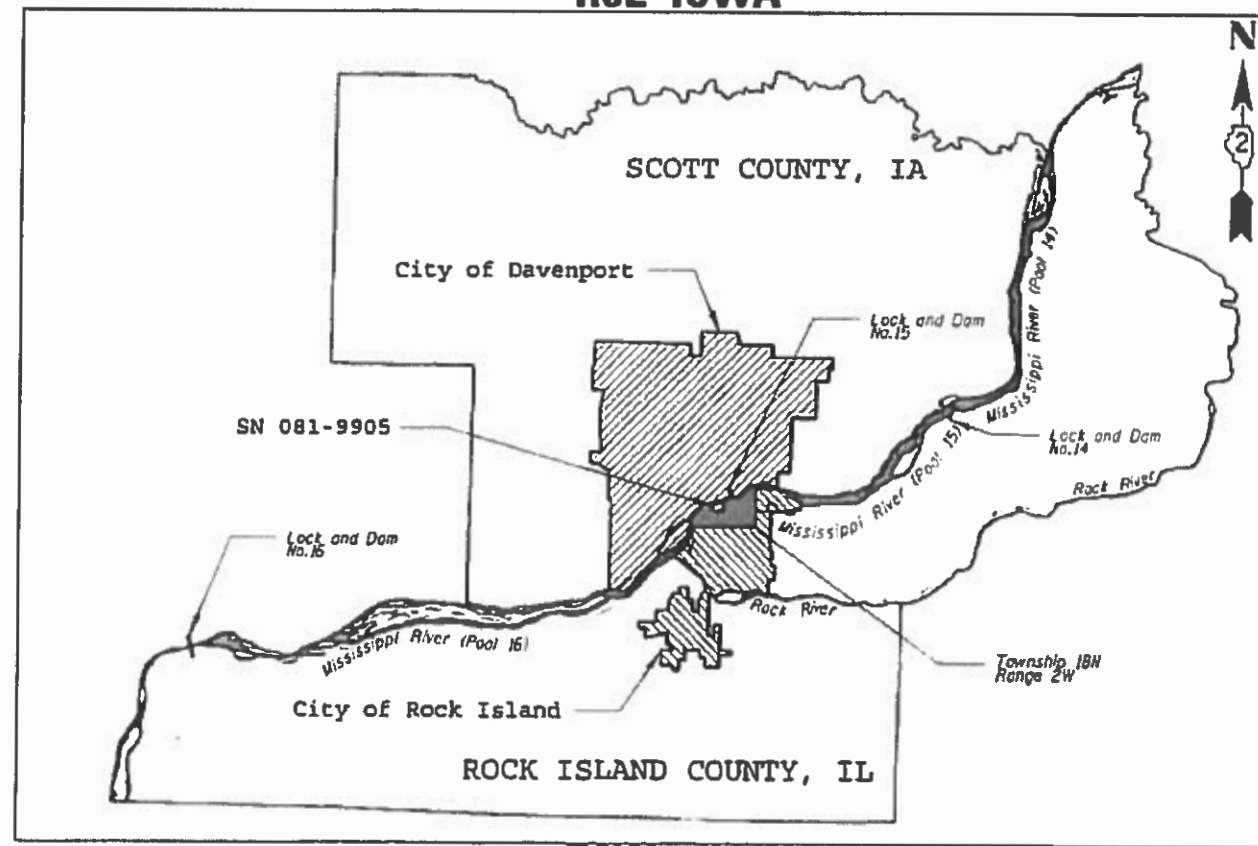


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: FAITH DUNCAN (815-284-5364)
PROJECT MANAGER: CHRIS CONDERMAN (815-284-5955)

CONTRACT NO. 64J48



T78N
T18N

T78N
T18N

R3E IOWA

R2W ILLINOIS
4th PM

GROSS LENGTH = 226 FT. = 0.043 MILE
NET LENGTH = 226 FT. = 0.043 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 20 2018
[Signature] REGIONAL ENGINEER

Aug 17 2018
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Aug 17 2018
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701901-07	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- 1 ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83), ILLINOIS STATE PLANE, WEST ZONE - 1202 U.S. SURVEY FEET (ESPG 3436).
- 2 AERIAL IMAGERY USED FOR PROJECT ARE 2011 IDOT ORTHOPHOTOGRAPHY (TILES 2170017600, 2180017600 AND 2190017600).
- 3 BRIDGE LOW STEEL ELEVATION = 611.00, MEAN HIGH WATER (MHW) = 561.60, MEAN LOW WATER (MLW) = 545.00. ELEVATIONS ARE OBTAINED FROM EXISTING PLANS AS THE AVERAGE LOW WATER AND HIGH WATER ELEVATIONS AND SHOULD BE VERIFIED BEFORE STARTING WORK.
- 4 THE NAVIGATION CHANNEL LIMITS SHOWN IN THE PLANS ARE BASED THE ON UPPER MISSISSIPPI RIVER CHART NO. 76, RIVER MILE 481 TO 486, DATED 2011 (U.S.A.C.O.E., ROCK ISLAND DISTRICT, MISSISSIPPI VALLEY DIVISION).
- 5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING FROM A NAVIGABLE WATER BODY TO THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR (a) NAVIGATING WITHIN THE LIMITS OF THE PROJECT, (b) DREDGING ONLY WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS, AND (c) NAVIGATING TO AND FROM THE DISPOSAL LOCATION.
- 6 THE PROJECT ENGINEER (OR HIS REPRESENTATIVE), AND/OR ILLINOIS DEPARTMENT OF NATURAL RESOURCES (IDNR) INSPECTOR SHALL MONITOR EQUIPMENT OPERATIONS DURING CONSTRUCTION.
- 7 THE CONTRACTOR SHALL BE RESPONSIBLE TO MARK WITH BUOYS THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND SHALL HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THEIR VESSELS TO AVOID DREDGING IN RESTRICTED AREAS OR OUTSIDE THE CONSTRUCTION LIMITS.
- 8 ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
- 9 THE PROJECT FEATURES AND QUANTITIES SHOWN ARE NOT BASED ON RECENT SURVEY. PRE-CONSTRUCTION AND PROCESS BATHYMETRIC SURVEY, WITHIN THE CONSTRUCTION LIMITS, WILL BE PERFORMED BY THE CONTRACTOR. THIS SURVEY DATA AND UPDATED DRAWINGS BY THE CONTRACTOR WILL BE USED BY THE ENGINEER TO UPDATE THE ESTIMATED QUANTITIES FOR THE CHANNEL EXCAVATION. POST-CONSTRUCTION BATHYMETRIC SURVEY, WITHIN THE CONSTRUCTION LIMITS, WILL BE PERFORMED BY THE CONTRACTOR. THIS SURVEY DATA AND UPDATED DRAWINGS BY THE CONTRACTOR WILL BE USED BY THE ENGINEER TO UPDATE THE ESTIMATED QUANTITIES FOR FILTER BAGS AND RIPRAP AND CONFIRM THE FINAL CONDITION OF THE PROJECT FEATURES.
- 10 SINCE THE WORK WILL NOT PERMANENTLY REDUCE THE VERTICAL OR HORIZONTAL CLEARANCES FOR RIVER TRAFFIC, A COAST GUARD BRIDGE PERMIT WILL NOT BE REQUIRED. THE PROJECT IS HEREBY APPROVED FROM A NAVIGATION STANDPOINT SUBJECT TO THE FOLLOWING CONDITIONS:

 CONDITION 1: BEFORE WORK PROCEEDS, THE NAME AND PHONE NUMBER OF THE PERSON WHO MAY BE CONTACTED ON A 24-HOUR BASIS TO RESPOND TO AN EMERGENCY AT THE WORK SITE MUST BE PROVIDED TO ERIC WASHBURN AT 314-269-2378 OR EMAIL AT ERIC.WASHBURN@USCG.MIL. THE EMERGENCY RESPONDER MUST BE ABLE TO REACT TO AND IMMEDIATELY CORRECT ANY PROBLEMS THAT RESULT IF EQUIPMENT BECOMES LOOSE AND EXTENDS INTO THE NAVIGATION SPANS.

 CONDITION 2: ALL PROPOSED CHANGES OR DEVIATIONS FROM THESE CONDITIONS SHALL BE SUBMITTED TO THE COAST GUARD BRIDGE BRANCH, ST. LOUIS, MISSOURI FOR CONSIDERATION. DRAWINGS RELATED TO PROPOSED CHANGES ARE TO BE PRESENTED LEGIBLY IN AN 8 Y," X 11" FORMAT.

 CONDITION 3: ALL WORK SHALL BE PERFORMED SO THE FREE FLOW OF NAVIGATION IS NOT UNREASONABLY INTERFERED WITH AND THE NAVIGATION DEPTHS ARE NOT IMPAIRED.

 CONDITION 4: FLOATING EQUIPMENT WORKING IN THE CHANNEL SHALL DISPLAY LIGHTS AND SIGNALS AS REQUIRED BY "INLAND NAVIGATIONAL RULES OF 1980".

 CONDITION 5: POSITIVE PRECAUTIONS SHALL BE TAKEN TO PREVENT THE ACCIDENTAL DROPPING OF SPARK PRODUCING, FLAME-PRODUCING, LIGHTED OR OTHER DAMAGING OBJECTS ONTO BARGES OR VESSELS PASSING BENEATH THE BRIDGE. ALL FLAME-CUTTING, WELDING, AND SIMILAR SPARK -PRODUCING OPERATIONS SHALL BE CEASED OVER THE CHANNEL WHEN VESSELS ARE PASSING BENEATH THE BRIDGE.

 CONDITION 6: NOTHING CAN BE ALLOWED TO DROP INTO THE RIVER. IF ANY CONDITION EXISTS THAT COULD RESULT IN ANY MATERIAL DEPOSITION INTO THE RIVER, PRECAUTIONS SUCH AS POSITIONING A "CATCH" BARGE BENEATH THE WORK SITE SHALL BE TAKEN TO ENSURE THAT NOTHING FALLS INTO THE RIVER.

 CONDITION 7: THE WORK SHOULD NOT BE ALLOWED TO INTERFERE WITH DISPLAYING NAVIGATION LIGHTS ON THE BRIDGE AT NIGHT.

 CONDITION 8: POSITIVE PRECAUTIONS SHALL BE TAKEN TO PREVENT THE ACCIDENTAL DROPPING OF SPARK-PRODUCING, FLAME-PRODUCING, LIGHTED OR OTHER DAMAGING OBJECTS ONTO BARGES OR VESSELS PASSING BENEATH THE BRIDGE. ALL FLAME-CUTTING, WELDING, AND SIMILAR SPARK-PRODUCING OPERATIONS SHALL BE CEASED OVER THE CHANNEL WHEN VESSELS ARE PASSING BENEATH THE BRIDGE.

 CONDITION 9: THERE ARE SEVERAL FACTORS, WHICH MAY IMPACT NAVIGATION AND REQUIRE FURTHER RESTRICTIONS TO WORK BARGE MANAGEMENT. IF UNSAFE CONDITIONS PREVAIL DUE TO HIGH WATER LEVELS, SWIFT CURRENTS, OR STRONG WINDS, THIS APPROVAL MAY NEED TO BE MODIFIED.

 CONDITION 10: THE FEDERAL WATER POLLUTION CONTROL ACT, AS AMENDED, PROHIBITS THE DISCHARGE OF OIL (INCLUDING OIL BASED PAINTS) OR HAZARDOUS SUBSTANCES INTO THE WATERS OF THE UNITED STATES. THE LAW REQUIRES ANY PERSON IN CHARGE OF A VESSEL OR FACILITY FROM WHICH OIL OR A HAZARDOUS SUBSTANCE IS DISCHARGED TO IMMEDIATELY REPORT THE DISCHARGE TO THE U.S. COAST GUARD NATIONAL RESPONSE CENTER, 800-424-8802 (TOLL FREE). THE OWNER/OPERATOR OF A VESSEL OR FACILITY FROM WHICH THE POLLUTANT IS DISCHARGED IS SUBJECT TO A CIVIL PENALTY OF UP TO \$ 10,000 AND IS LIABLE FOR CLEANUP COSTS, IF ANY.
- 11 COORDINATION MUST BE MADE WITH MR. SETH MOORE (SETH.MOORE@DNR.IOWA.GOV) OF THE IOWA DNR IF THE CONTRACTOR CHOOSES TO "DOCK" ANY BARGES OR EQUIPMENT ON THE IOWA SIDE OF THE MISSISSIPPI RIVER. THIS WILL LIKELY INCLUDE MUSSEL SURVEY AND SUBSEQUENT RELOCATION. NO PROVISIONS HAVE BEEN MADE IN THIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED TO THE CONTRACTOR, BUT ITS COST SHALL BE INCLUDED IN MOBILIZATION.
- 12 THE CONTRACTOR IS REQUIRED TO USE GPS EQUIPMENT ATTACHED TO THE EXCAVATOR TO ENSURE THAT THE LINES AND GRADES OF THE PLANS ARE BEING MET TO AN ACCURACY WITHIN 1 FT HORIZONTALLY AND 0.5 FT VERTICALLY.
- 13 WORK ON THIS PROJECT WILL BE IN PROGRESS AT THE SAME TIME AS WORK ON THE 64L92. WORK ON THESE PROJECTS SHALL BE SCHEDULED TO KEEP INTERFERENCE BETWEEN ALL THE PROJECTS TO A MINIMUM. THE CONTRACTORS SHALL INFORM EACH OTHER OF THE PROGRESS OF THE PROJECTS AND GIVE FAIR WARNING TO THE OTHER CONTRACTORS WHEN A PROBLEM MIGHT BE ENCOUNTERED.

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PLOT DATE = 8/8/2018	DATE - 08/02/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
GENERAL NOTES**

SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	2
			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL URBAN QUANTITY	URBAN CONSTRUCTION CODE STP > 200K	
				ILLINOIS 0048 STP > 200K 80% FEDERAL 20% STATE EX. SN. 081-9905	IOWA 0048 100% STATE EX. SN. 081-9905
20300100	CHANNEL EXCAVATION	CU YD	9100	4550	4550
28100811	STONE DUMPED RIPRAP, CLASS A6	TON	9350	4675	4675
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	9100	4550	4550
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	0.5	0.5
* 66900527	TCLP SOIL ANALYSIS	EACH	25	12.5	12.5
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	25	12.5	12.5
* 66900550	PCBS SOIL ANALYSIS	EACH	25	12.5	12.5
* 66900615	METALS AND PH SOIL ANALYSIS	EACH	25	12.5	12.5
* 66900640	VOCS AND SVOCS SOIL ANALYSIS	EACH	25	12.5	12.5
* 66900645	PESTICIDE SOIL ANALYSIS	EACH	25	12.5	12.5
67100100	MOBILIZATION	L SUM	1	0.5	0.5
X0327990	BATHYMETRIC SURVEYS	L SUM	1	0.5	0.5
X1200210	FILTER BAGS	CU YD	2307	1153.5	1153.5
X1400343	GPS GRADE CONTROL SYSTEM	L SUM	1	0.5	0.5

* Specialty Items

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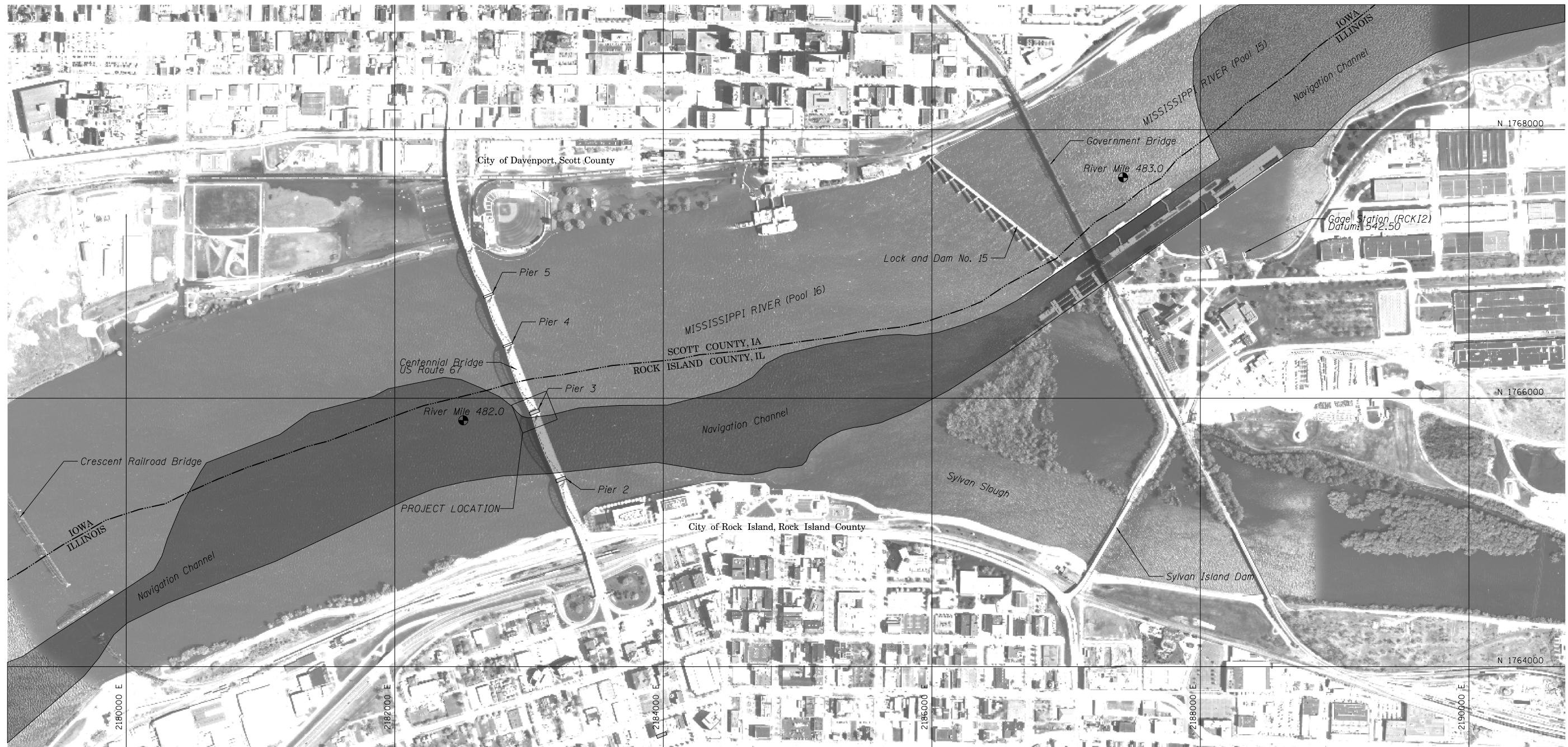
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

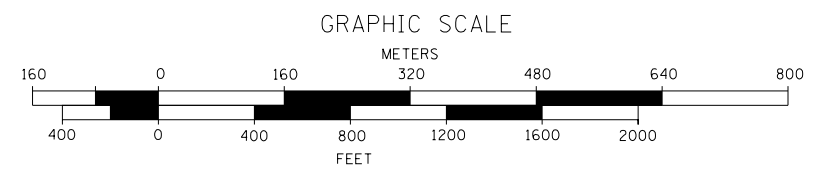
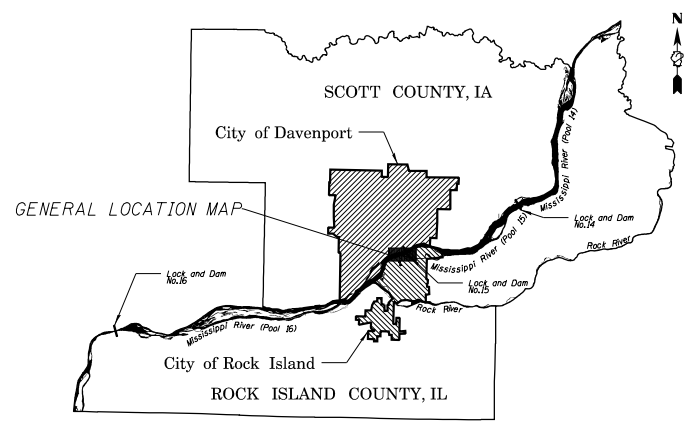
**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
SUMMARY OF QUANTITIES**

SHEET 3 OF 59 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	(3BR) M-1	ROCK ISLAND	59	3
CONTRACT NO.			64J48	
ILLINOIS FED. AID PROJECT				



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JACOBS

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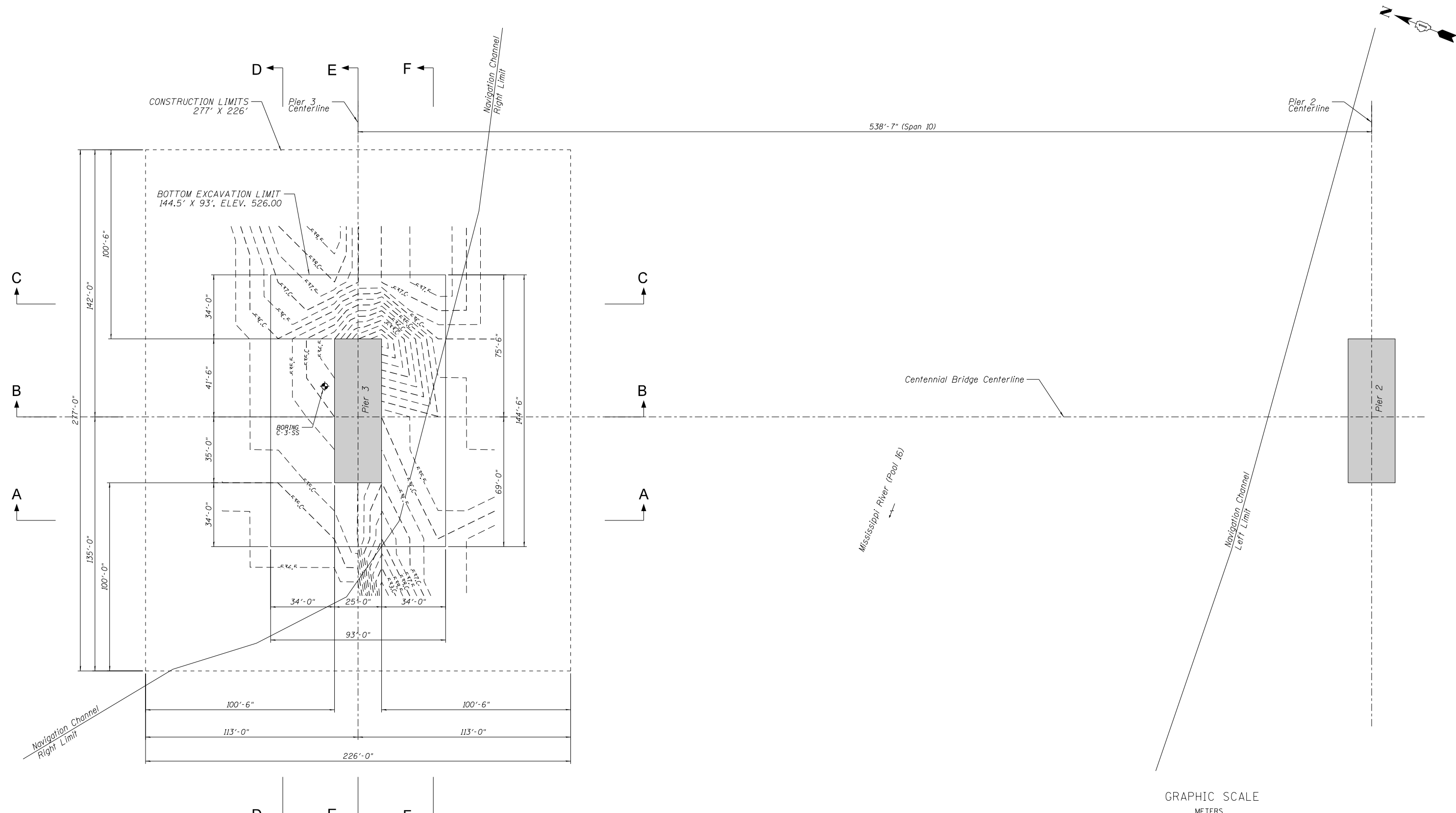
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
GENERAL LOCATION MAP**

SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	4
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				

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NOTES:

- 1 THE RIVER BED EXISTING CONTOURS HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).
- 2 THE CONSTRUCTION LIMITS, AS SHOWN IN THE PLAN, HAVE BEEN SET TO ACCOMMODATE A 200' (L) BY 35' (W) BARGE.

EXCAVATION PLAN VIEW



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

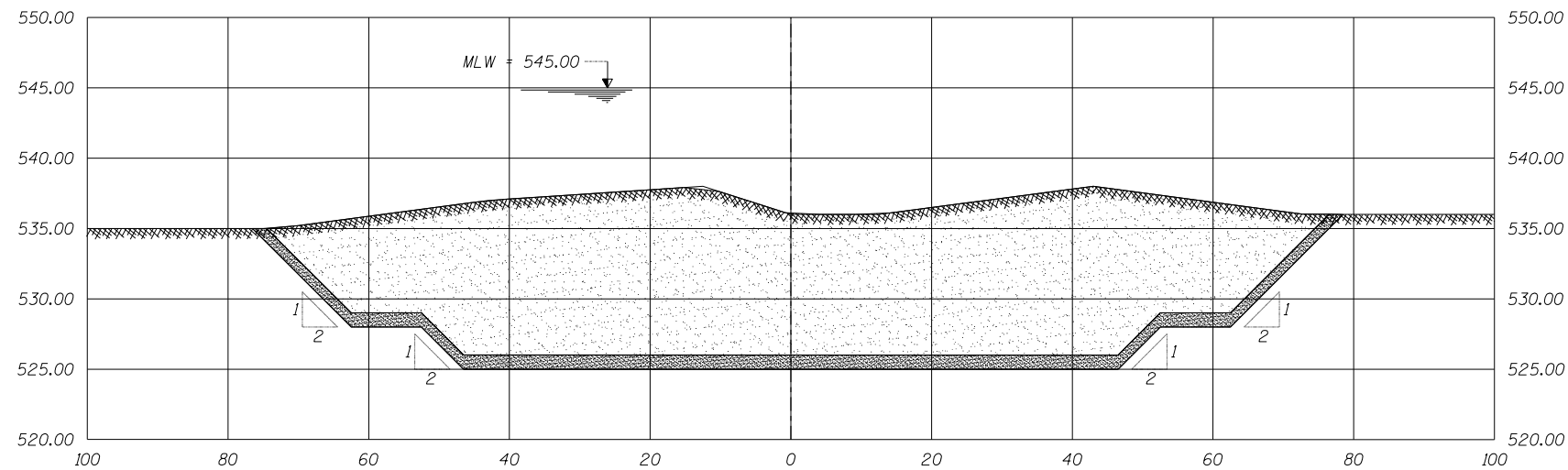
**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
EXCAVATION - PLAN VIEW**

SHEET OF SHEETS

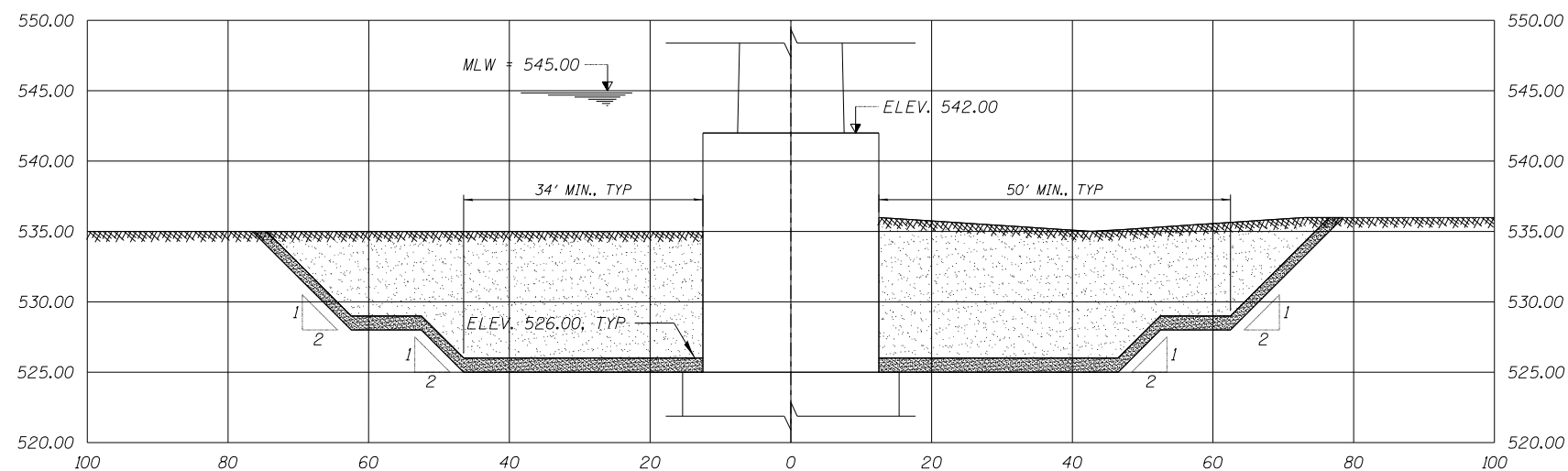
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CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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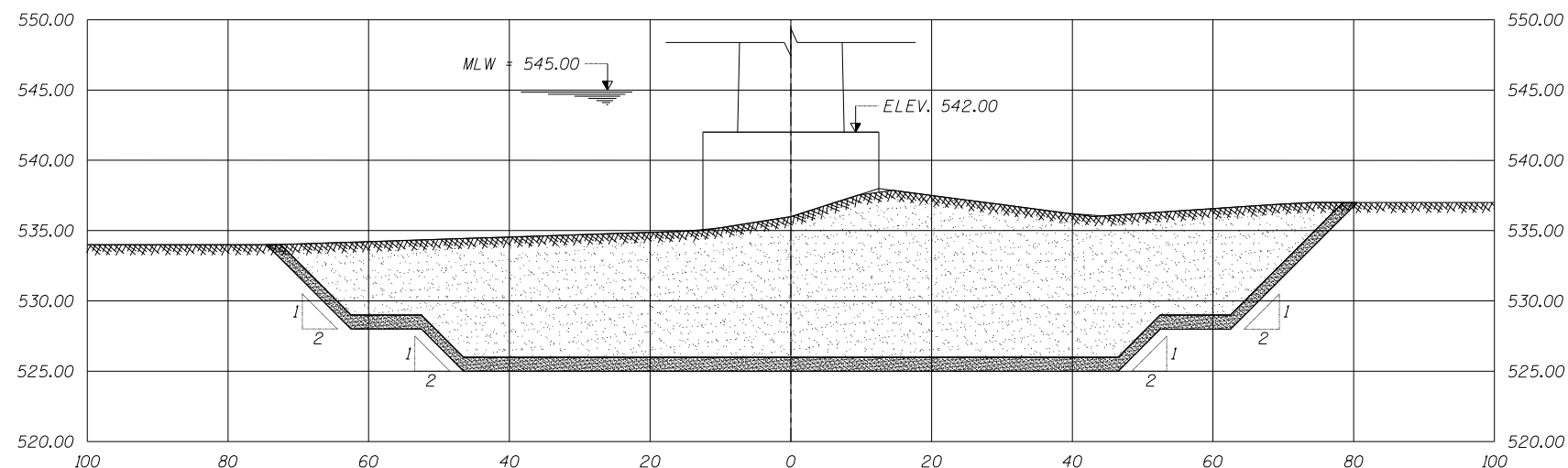
SECTION C-C
TRANSVERSE TO BRIDGE
(looking East)



SECTION B-B
TRANSVERSE TO BRIDGE
(looking East)



SECTION A-A
TRANSVERSE TO BRIDGE
(looking East)



NOTES:

- 1 TYPICAL SECTIONS OF THE EXISTING RIVER BED ARE NOT BASED ON SURVEY DATA AND HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).
- 2 THE QUANTITY PROVIDED FOR PAY ITEM 20300100 CHANNEL EXCAVATION INCLUDES THE VOLUME FOR THE 1-FT ALLOWABLE OVERDREDGE.

LEGEND

- AUTHORIZED EXCAVATION (PAY ITEM 20300100)
- ALLOWABLE OVERDREDGE (PAY ITEM 20300100)

EXCAVATION - TYPICAL SECTIONS



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

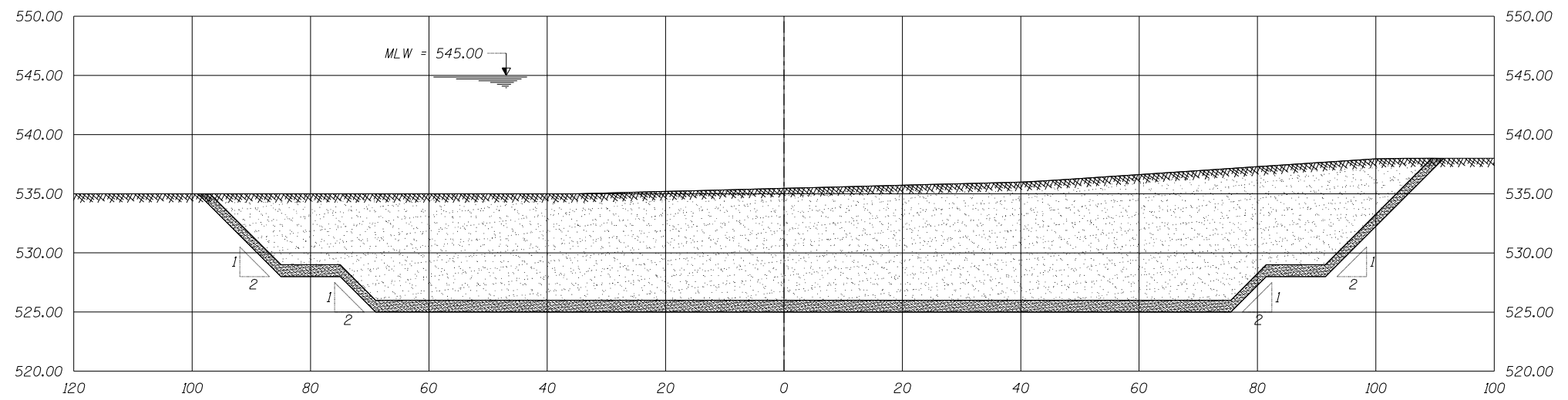
**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
EXCAVATION - TYPICAL SECTIONS AA TO CC**

SHEET OF SHEETS

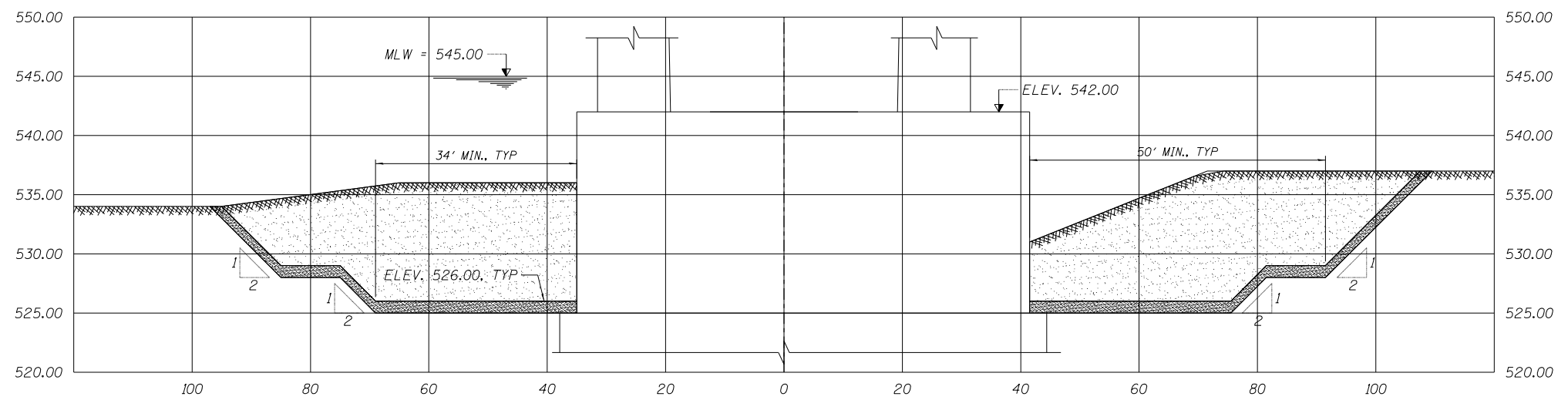
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599	(3BR) M-1	ROCK ISLAND	59	6
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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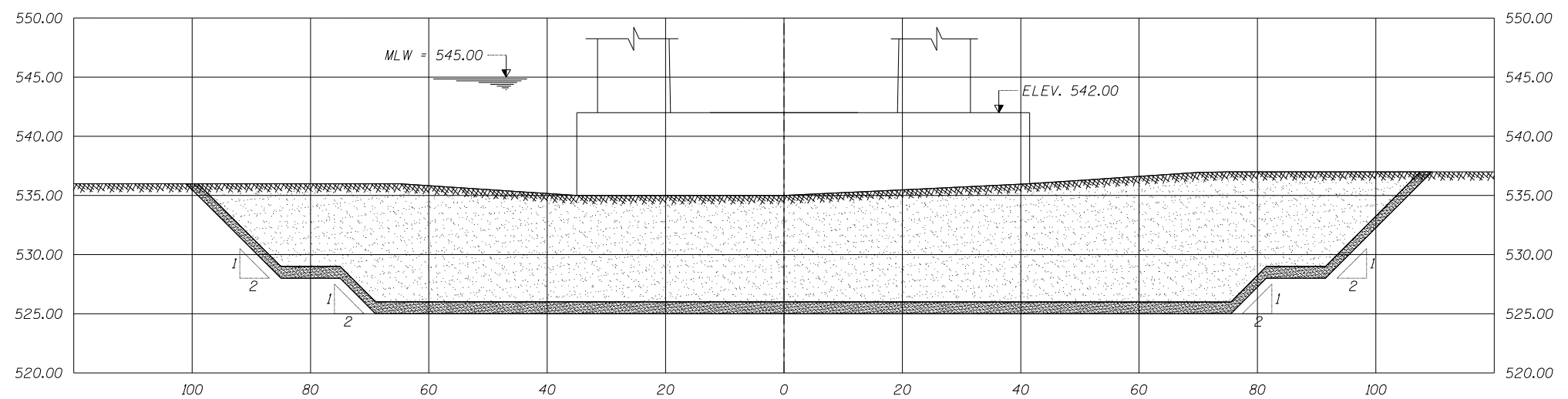
SECTION D-D
LONGITUDINAL TO BRIDGE
(looking North)



SECTION E-E
LONGITUDINAL TO BRIDGE
(looking North)



SECTION F-F
LONGITUDINAL TO BRIDGE
(looking North)



- NOTES:**
- 1 TYPICAL SECTIONS OF THE EXISTING RIVER BED ARE NOT BASED ON SURVEY DATA AND HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).
 - 2 THE QUANTITY PROVIDED FOR PAY ITEM 20300100 CHANNEL EXCAVATION INCLUDES THE VOLUME FOR THE 1-FT ALLOWABLE OVERDREDGE.

LEGEND

	AUTHORIZED EXCAVATION (PAY ITEM 20300100)
	ALLOWABLE OVERDREDGE (PAY ITEM 20300100)

EXCAVATION - TYPICAL SECTIONS



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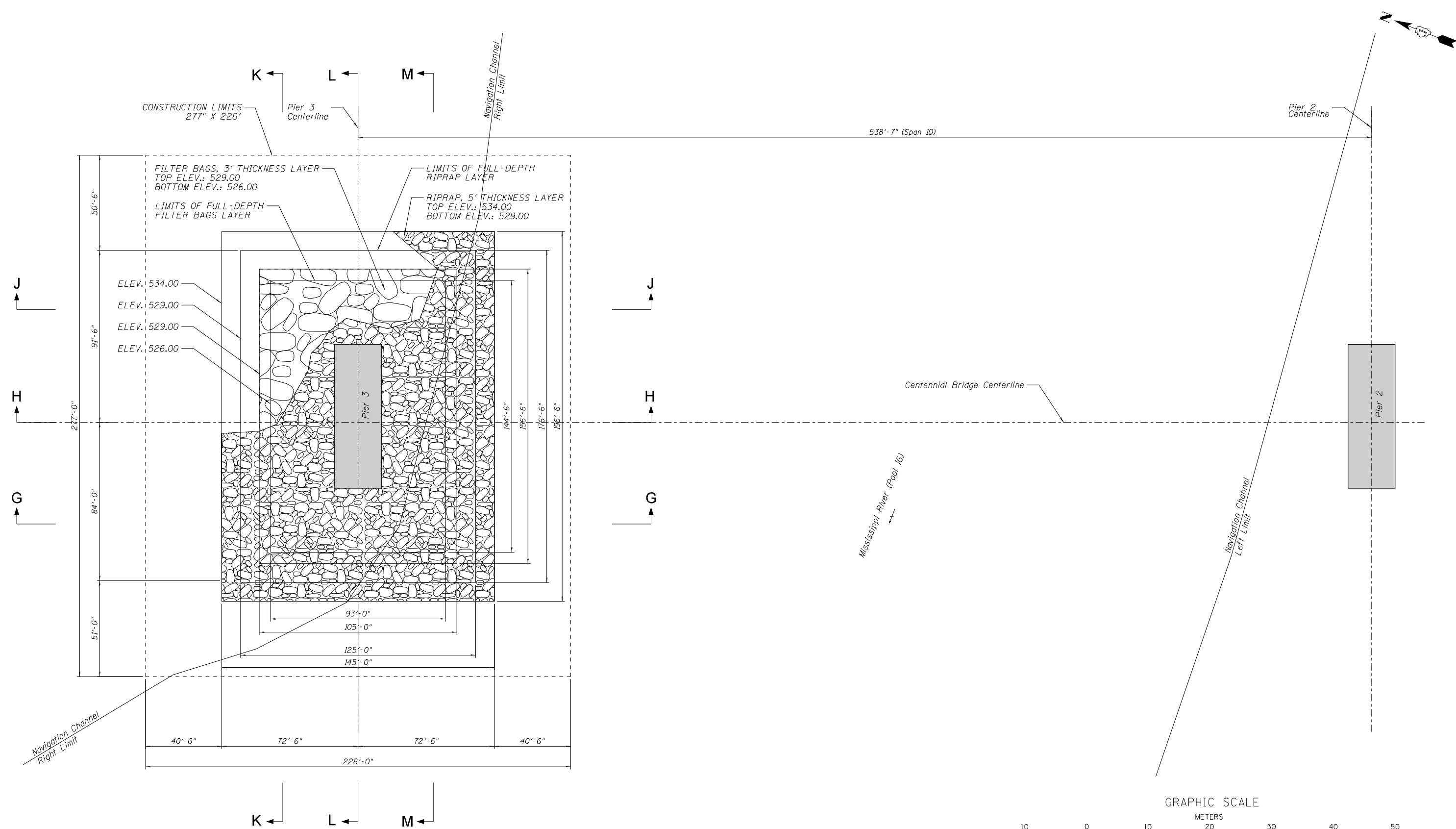
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
EXCAVATION - TYPICAL SECTIONS DD TO FF

SHEET OF SHEETS

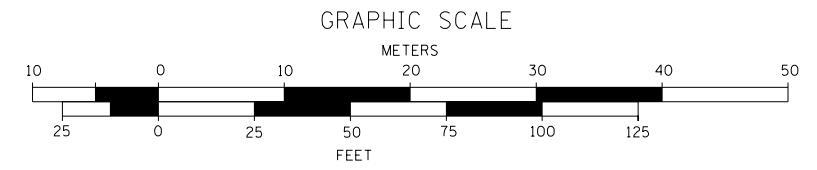
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599	(3BR) M-1	ROCK ISLAND	59	7
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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NOTES:
 1 THE RIVER BED EXISTING CONTOURS HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).

PROPOSED CONDITION - PLAN VIEW



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	DRAWN - MJP	REVISED -
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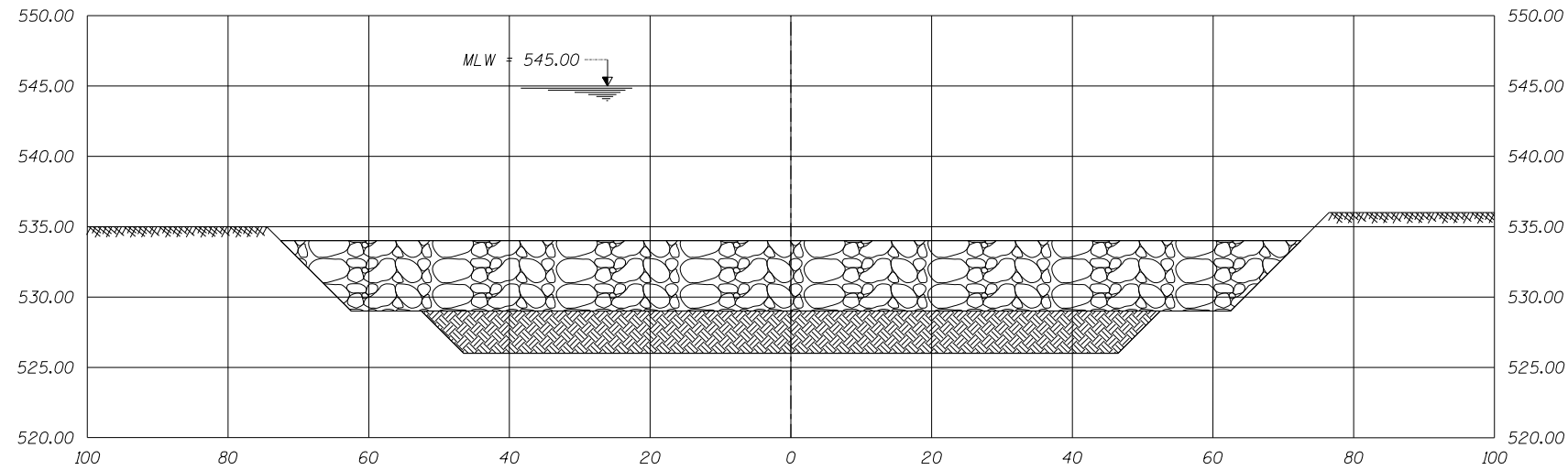
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
 PROPOSED CONDITION - PLAN VIEW**

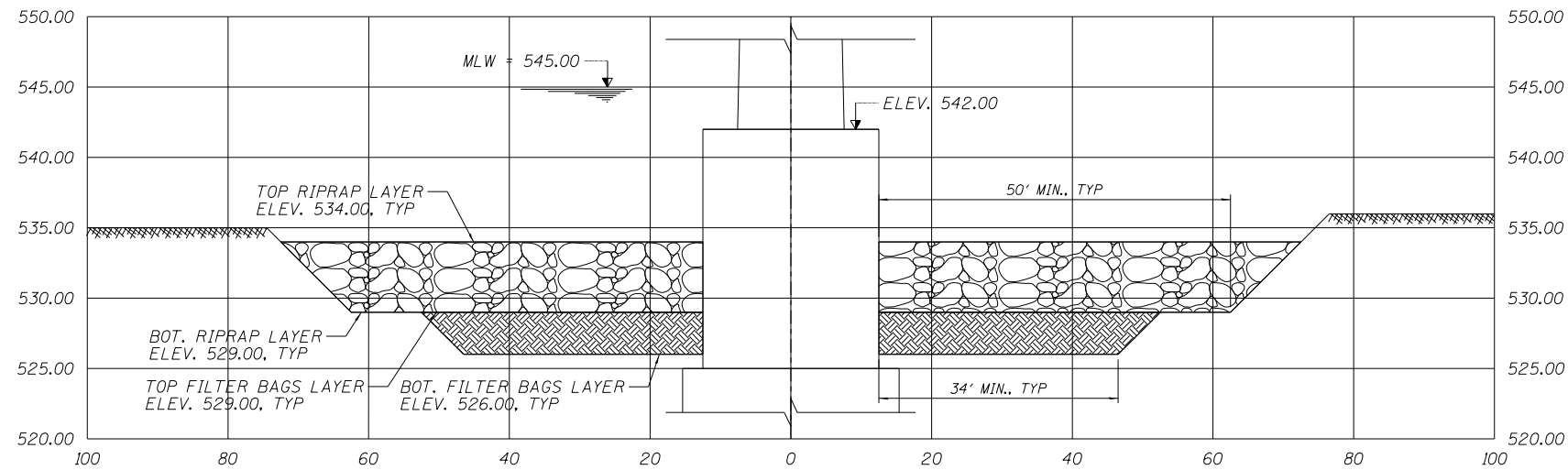
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 8
CONTRACT NO. 64J48				
ILLINOIS FED. AID PROJECT				

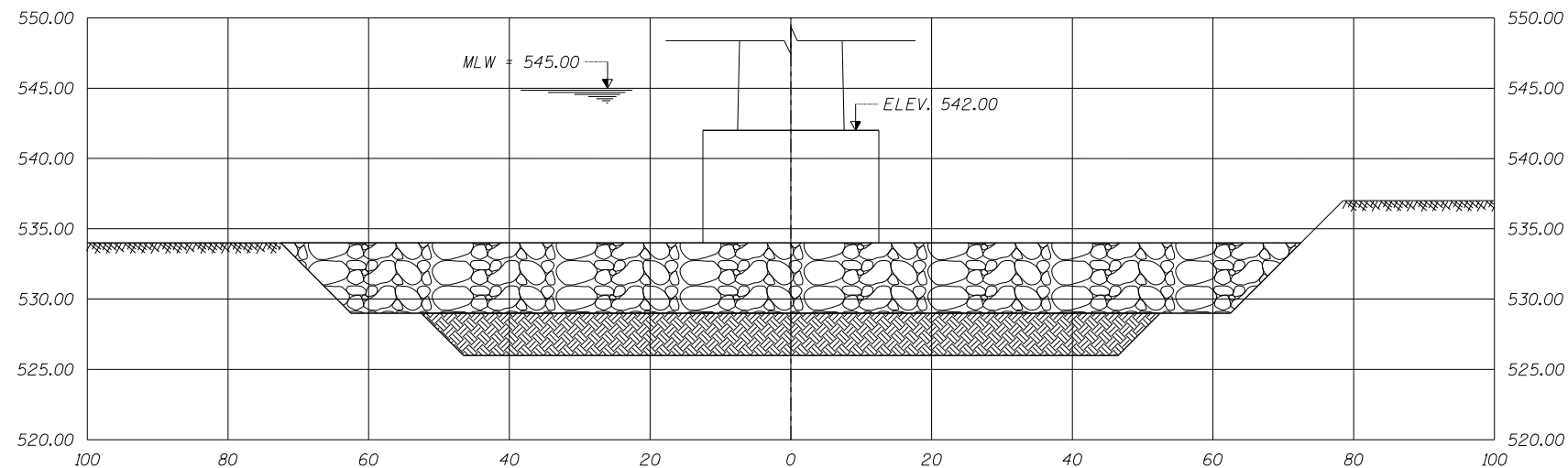
SECTION J-J
TRANSVERSE TO BRIDGE
(looking East)



SECTION H-H
TRANSVERSE TO BRIDGE
(looking East)



SECTION G-G
TRANSVERSE TO BRIDGE
(looking East)



NOTES:

- 1 TYPICAL SECTIONS OF THE EXISTING RIVER BED ARE NOT BASED ON SURVEY DATA AND HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).
- 2 THE DIMENSIONS SHOWN IN THIS PLAN ARE AUTHORIZED DIMENSIONS. THE ALLOWABLE OVERDREDGE DIMENSIONS ARE NOT SHOWN IN THIS PLAN.
- 3 THE RIPRAP LAYER MINIMUM THICKNESS SHOULD NOT BE LESS THAN 5 FEET, WITH THE TOP ELEVATION NOT LOWER THAN 534.00.
- 4 THE RIPRAP LAYER QUANTITY FOR THE 1-FT ALLOWABLE OVERDREDGE, ABOVE ELEVATION 529.00, HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY (PAY ITEM 28100811) - STONE DUMPED RIPRAP, CLASS A6).
- 5 THE FILTER BAGS LAYER QUANTITY FOR THE 1-FT ALLOWABLE OVERDREDGE, BELOW ELEVATION 529.00, HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY FOR FILTER BAGS.

LEGEND

-  RIPRAP LAYER (PAY ITEM 28100811)
-  FILTER BAGS LAYER

PROPOSED CONDITION - TYPICAL SECTIONS



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	DRAWN - MJP	REVISED -
PLOT SCALE = 25x0.0000' / 1"	CHECKED - JSD	REVISED -
PLOT DATE = 8/8/2018	DATE - 08/02/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

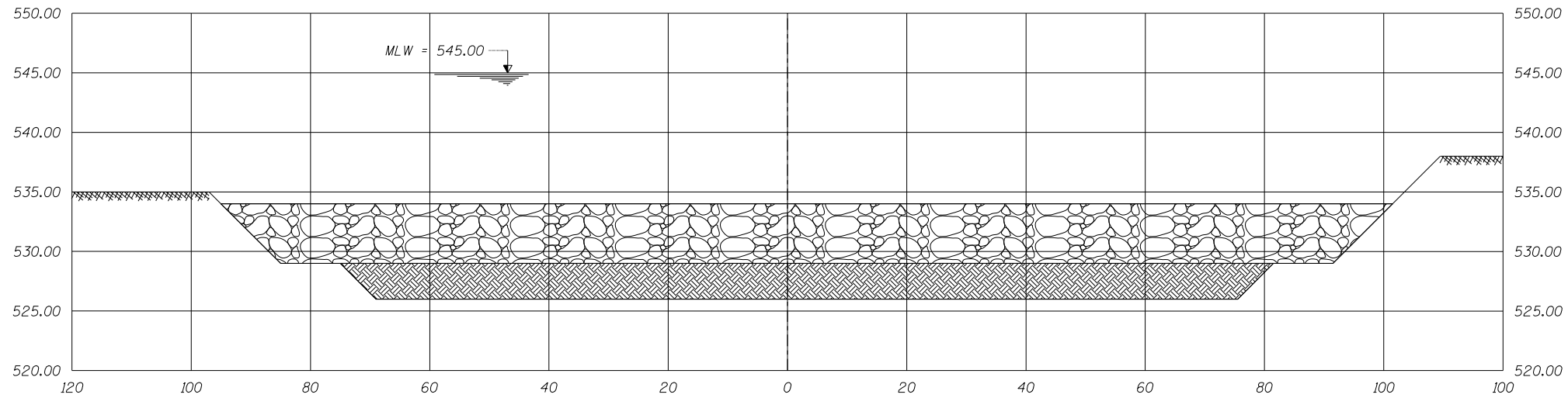
CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
PROPOSED CONDITION - TYPICAL SECTIONS GG TO JJ

SHEET OF SHEETS

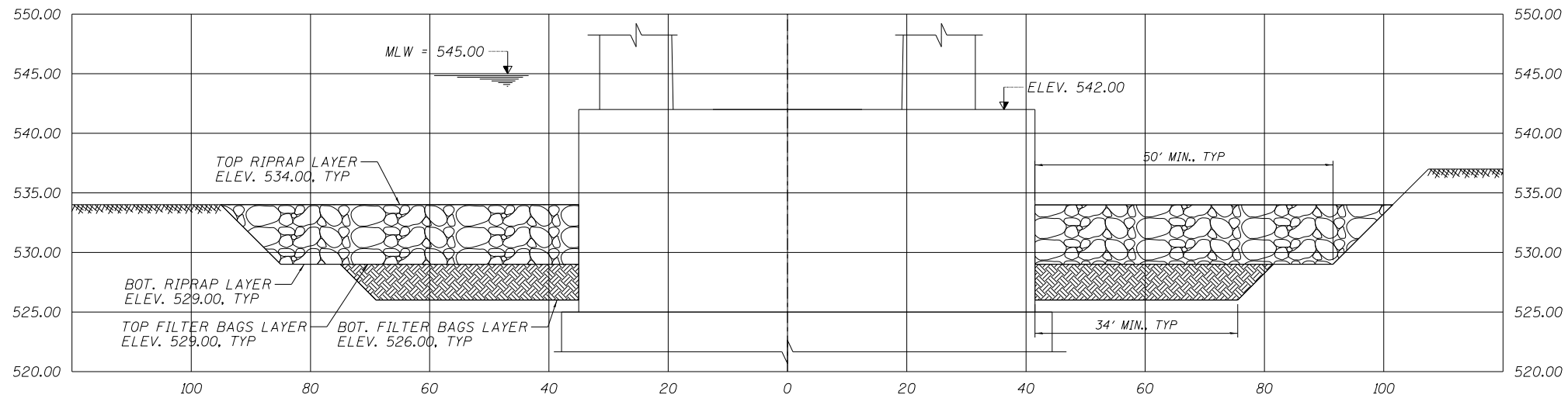
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599	(3BR) M-1	ROCK ISLAND	59	9
CONTRACT NO. 64J48				
ILLINOIS FED. AID PROJECT				

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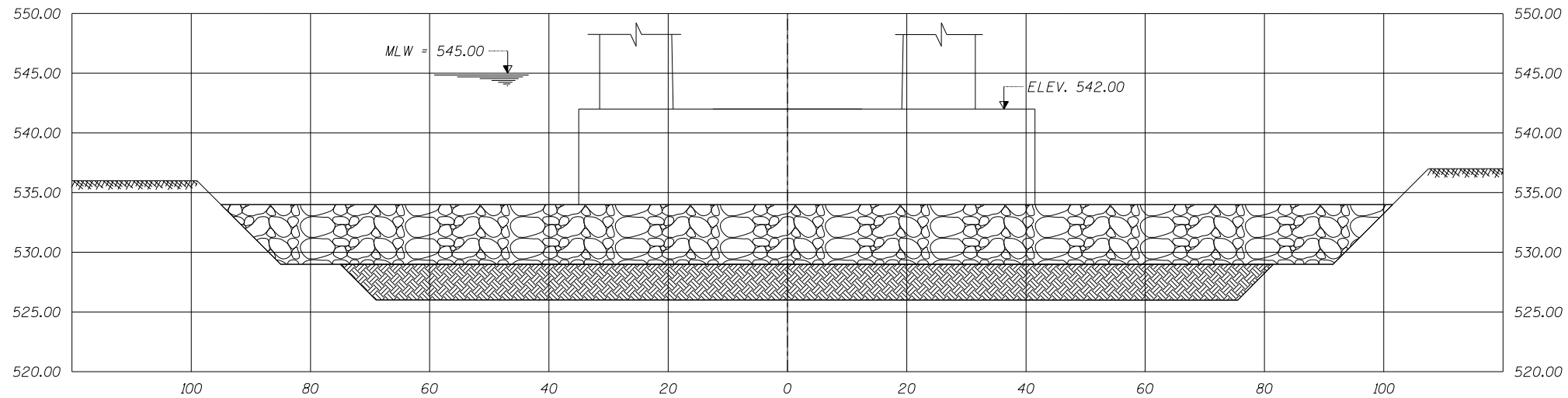
SECTION K-K
LONGITUDINAL TO BRIDGE
(looking North)



SECTION L-L
LONGITUDINAL TO BRIDGE
(looking North)



SECTION M-M
LONGITUDINAL TO BRIDGE
(looking North)



PROPOSED CONDITION - TYPICAL SECTIONS

NOTES:

- 1 TYPICAL SECTIONS OF THE EXISTING RIVER BED ARE NOT BASED ON SURVEY DATA AND HAVE BEEN GENERATED BASED ON THE DATA FROM THE MOST RECENT IDOT UNDERWATER INSPECTION REPORT (DATED 07/20/2016).
- 2 THE DIMENSIONS SHOWN IN THIS PLAN ARE AUTHORIZED DIMENSIONS. THE ALLOWABLE OVERDREDGE DIMENSIONS ARE NOT SHOWN IN THIS PLAN.
- 3 THE RIPRAP LAYER MINIMUM THICKNESS SHOULD NOT BE LESS THAN 5 FEET, WITH THE TOP ELEVATION NOT LOWER THAN 534.00.
- 4 THE RIPRAP LAYER QUANTITY FOR THE 1-FT ALLOWABLE OVERDREDGE, ABOVE ELEVATION 529.00, HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY (PAY ITEM 28100811 - STONE DUMPED RIPRAP, CLASS A6).
- 5 THE FILTER BAGS LAYER QUANTITY FOR THE 1-FT ALLOWABLE OVERDREDGE, BELOW ELEVATION 529.00, HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY FOR FILTER BAGS.

LEGEND

-  RIPRAP LAYER
(PAY ITEM 28100811)
-  FILTER BAGS LAYER



USER NAME = sspkovic	DESIGNED - SN	REVISED -
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PLOT SCALE = 25x0.0000 ' / 1"	CHECKED - JSD	REVISED -
PLOT DATE = 8/8/2018	DATE - 08/02/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
PROPOSED CONDITION - TYPICAL SECTIONS KK TO MM

SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	10
CONTRACT NO. 64J48				

ILLINOIS FED. AID PROJECT

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wangeng@wangeng.com
1145 North Main Street
Lombard, IL
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG C-3-SS

WEI Job No.: 206-26-01

Client: **Jacobs**
Project: **Centennial Bridge**
Location: **Rock Island, IL**

Datum: NAVD 88
Elevation: 556.00 ft
North: 1765908.34 ft
East: 2183049.55 ft
Station:
Offset:

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	530.0	Water								530.0	--%Silt=1.5-- --%Clay=1.4--			2	4 9 11	NP	11
											Boring terminated at 26.00 ft						
	534.0	Medium dense light gray to black medium grained SAND with some gravel --%Gravel=35.5-- --%Sand=61.5--			1	7 8 7 5	NP	14									
						5											

WANGENGINC_2062601.GPJ WANGENG.GDT 7/29/16

GENERAL NOTES

Begin Drilling **05-11-2016** Complete Drilling **05-11-2016**
Drilling Contractor **WTS** Drill Rig **D-25 Track**
Driller **N & R** Logger **M. Schmelzel** Checked by **N. Davis**
Drilling Method **Split-Spoon 2' Continuous**

WATER LEVEL DATA

While Drilling **River Channel**
At Completion of Drilling **NA**
Time After Drilling **NA**
Depth to Water **NA**
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



USER NAME = siphovac	DESIGNED - SN	REVISED -
	DRAWN - MJP	REVISED -
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PLOT DATE = 8/8/2018	DATE - 08/02/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTENNIAL BRIDGE - SCOUR COUNTERMEASURES
BORING LOG

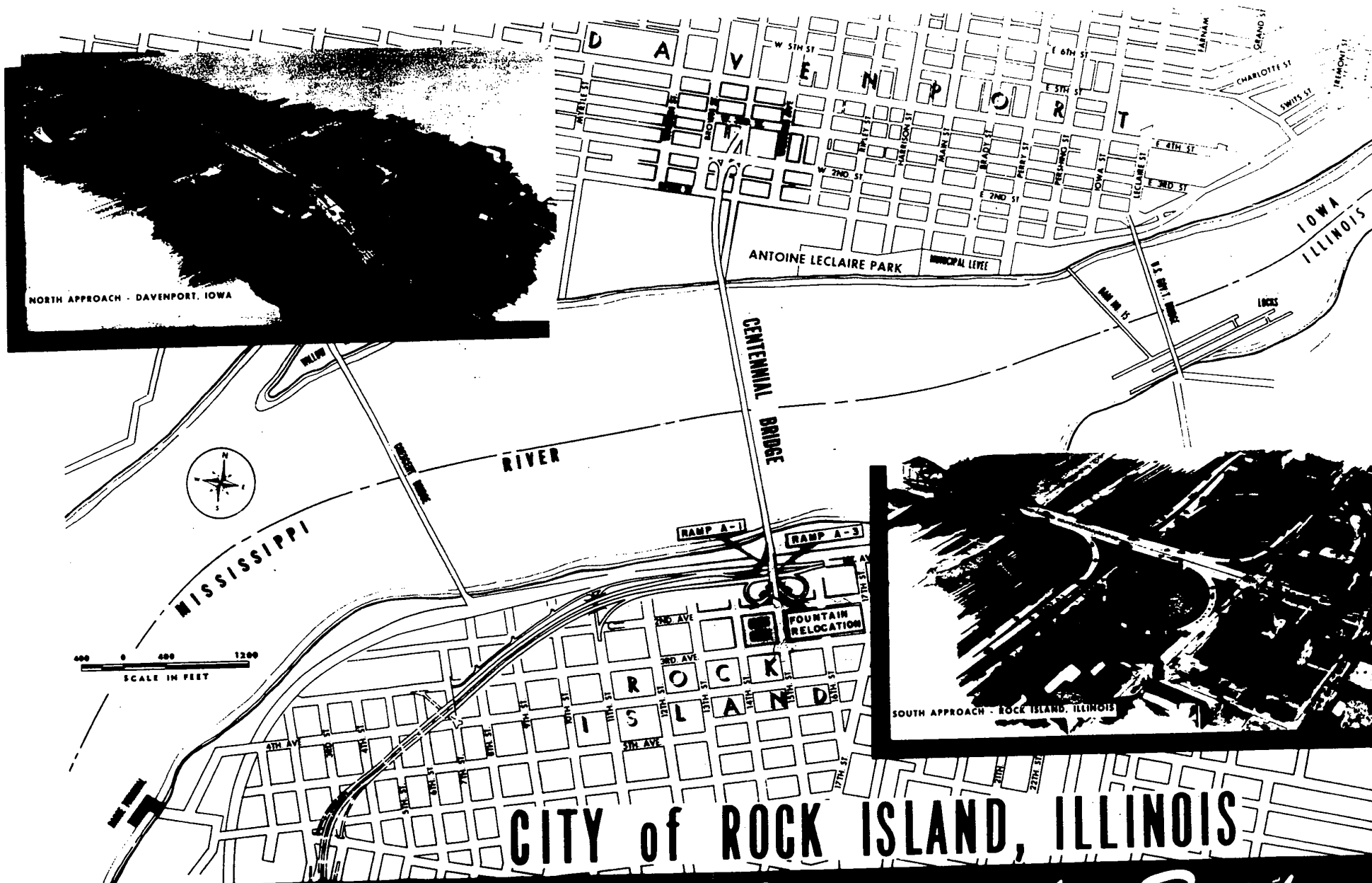
SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	11
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

INDEX OF SHEETS

- Sheet No.
- 1 GENERAL PLAN AND ELEVATION
 - 2 CONTOUR PLAN AND BORING LOGS
 - RAMP A-1**
 - 3 ABUTMENT DETAILS
 - 4 APPROACH SLAB AND WALL DETAILS
 - 5 BENTS
 - 6 FRAMING PLAN
 - 7 DIAPHRAGM DETAILS
 - 8 SLAB PLAN
 - 9 SUPERSTRUCTURE REINFORCING SCHEDULE
 - 10 EXPANSION JOINTS AND SHOES
 - 11 SUPERSTRUCTURE DETAILS
 - 12 LIGHTING AND DRAINAGE DETAILS
 - RAMP A-3**
 - 13 ABUTMENT WIDENING
 - 14 BENT WIDENING
 - 15 FRAMING AND SLAB PLAN
 - 16 LIGHTING DETAILS
 - 17 SUPERSTRUCTURE DETAILS
 - MISCELLANEOUS**
 - 18 PYLON DETAILS
 - 19 FOUNTAIN RELOCATION
 - 20 FOUNTAIN CONCRETE AND MASONRY PLAN
 - 21 FOUNTAIN MECHANICAL AND ELECTRICAL PLAN
 - 22 GRADING AND DRAINAGE PLAN
 - 23-24 CROSS SECTIONS
 - ILLINOIS STATE HIGHWAY COMMISSION
STANDARD DRAWINGS
 - 1527.7 STD. DESIGN OF MAN HOLE TYPE "A"
 - 2115 STD. DESIGN FOR PAVEMENT FABRIC



CITY of ROCK ISLAND, ILLINOIS
APPROACHES to Centennial Bridge

RAMPS A-1 AND A-3 STRUCTURES
CONTRACT NO. 2

Prepared and recommended by
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
 consulting engineers
 KANSAS CITY NEW YORK
R. J. Bergendoff DATE *Jan 18, 1960*



CITY OF ROCK ISLAND, ILLINOIS
 APPROVED *Robert D. Kentenich Jr.* DATE *1-19-60*
 CITY MANAGER

Reel 180 S

USER NAME = sspkovic	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2:8.0000 '1' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

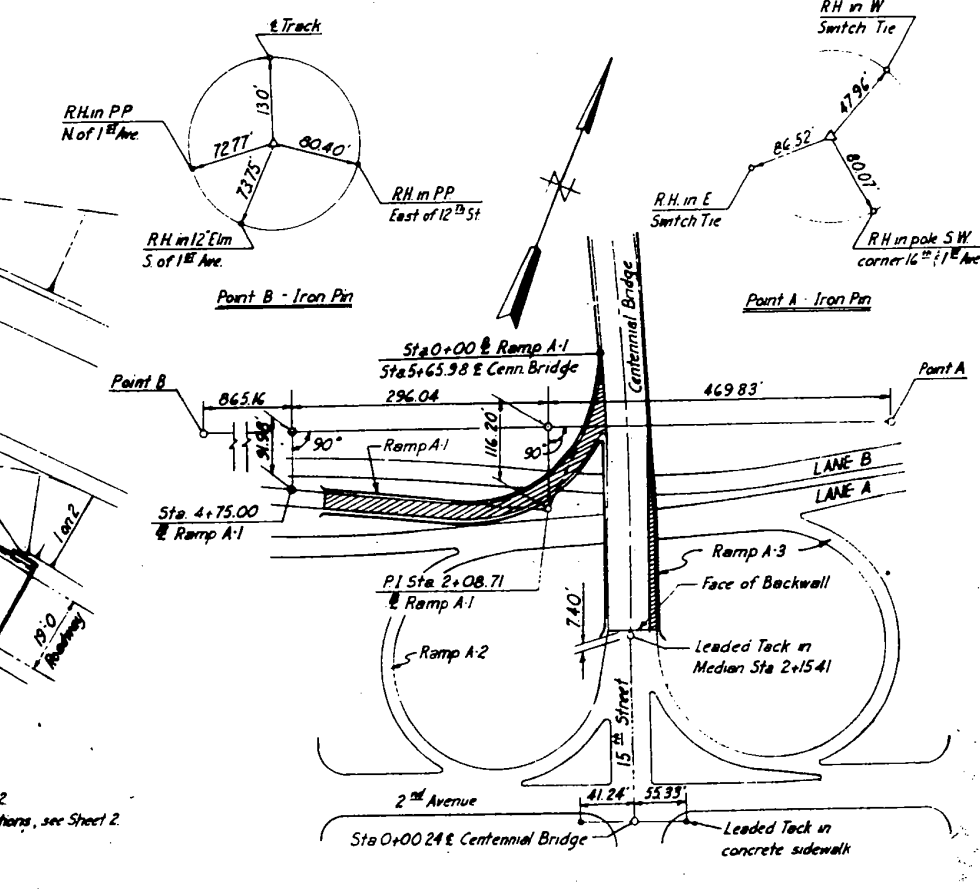
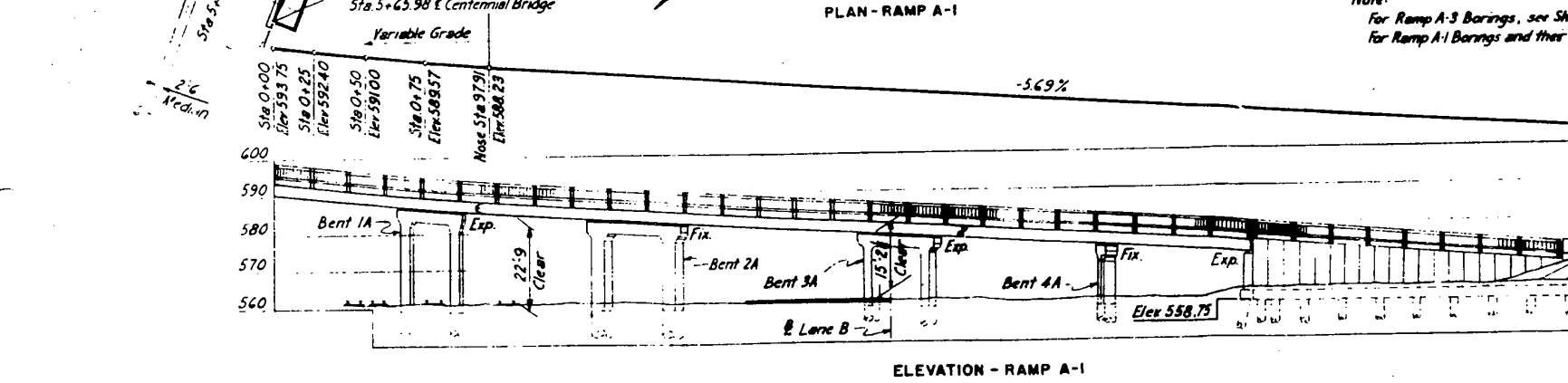
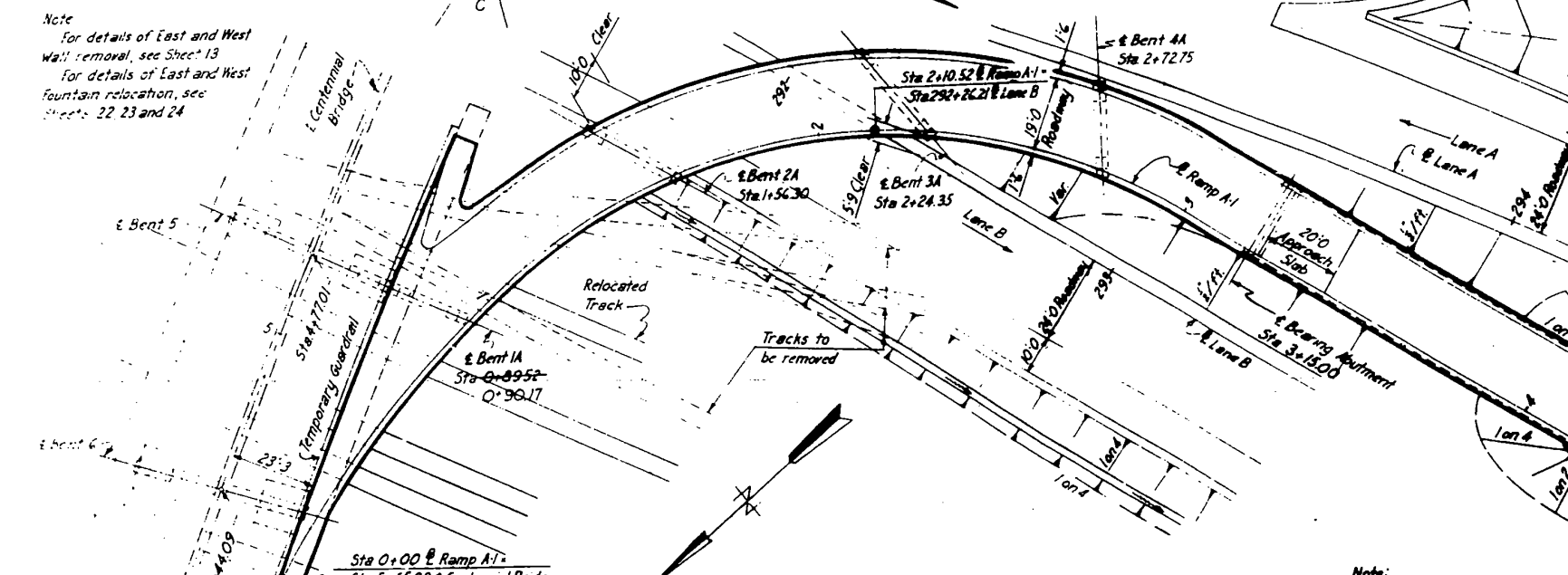
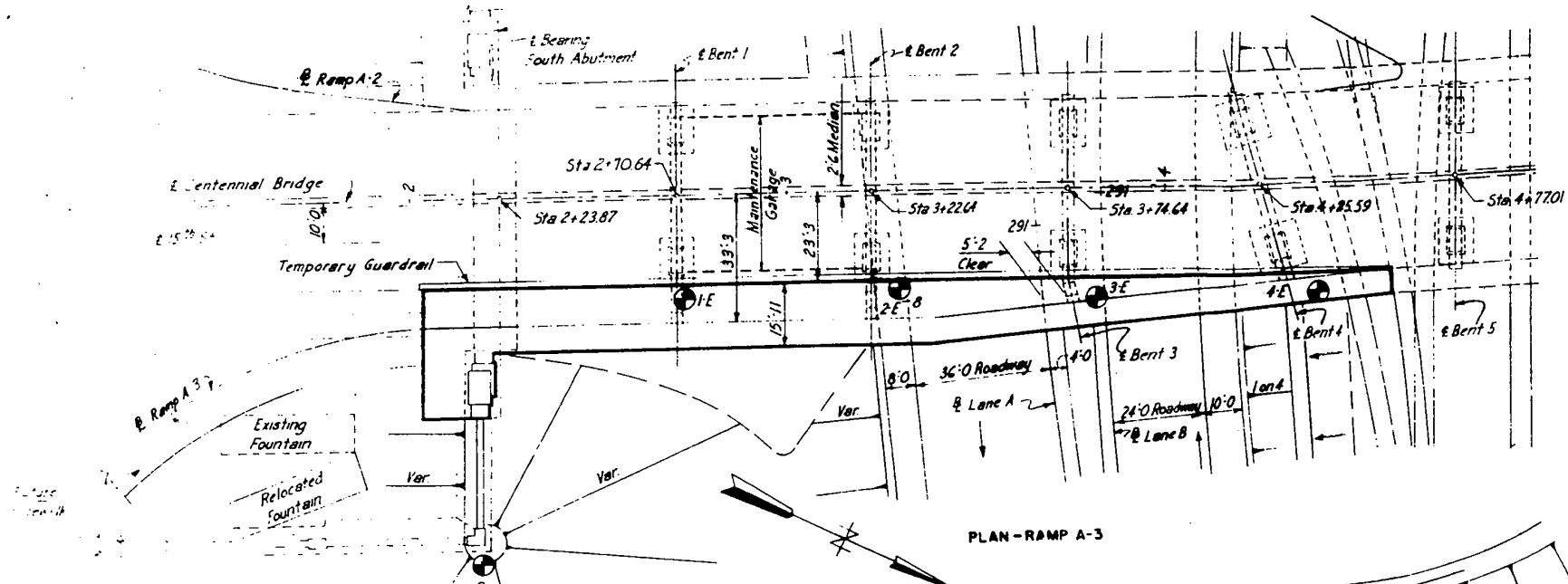
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 COVER SHEET
 SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 12
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\A-2012\09\12689 Centennial Bridge Scour Investigation\700 CADD Files\702 Civil Design Files\99 From PW\02689-08-01-01.dgn

FOR INFORMATION ONLY

ITEM	UNIT	RAMP A-1			RAMP A-3			TOTAL
		SUB.	SUPER.	TOTAL	SUB.	SUPER.	TOTAL	
Class A Concrete	Cu. Yd.	398		398	184		184	577
Class X Concrete	Cu. Yd.		199	199		59	59	258
Reinforcement Bars	Lb.	43,370	33,600	76,970	9,350	12,080	21,430	98,400
Fabricating and Erecting Str. Steel	Lb.		243,400	243,400		78,600	78,600	322,000
Furnishing and Erecting Metal Handrail	Lin. Ft.		755	755				755
Partioid Conc. Pav't	Sq. Yd.			174				174
Approach Slab	Sq. Yd.			42				42
Class A Excavation for Structures	Cu. Yd.	235		235	180		180	415
Barrow Excavation	Cu. Yd.							16,300
Roadway Excavation	Cu. Yd.							200
24" Drilled Caisson	Lin. Ft.	460		460	160		160	620
36" Drilled Caisson	Lin. Ft.	225		225	70		70	295
Manholes	Each							2
4" x 4" Wrought Iron Pipe	Lin. Ft.	64		64				64
Fountain Relocation	Lump Sum							1
Electrical Work	Lump Sum							1
Fountain Test Borings	Lin. Ft.							25



Note
 For details of East and West Wall removal, see Sheet 13
 For details of East and West Fountain relocation, see Sheets 22, 23 and 24

Note:
 For Ramp A-3 Borings, see Sheet 2
 For Ramp A-1 Borings and their locations, see Sheet 2

BENCH MARKS
 SE corner of Soldiers Monument, 1st Step, Elev 565.76.
 Top of Iron Pin, Ref. Pt. A, Elev 560.94.
 Top of Iron Pin, Ref. Pt. B, Elev 558.70.

Sta Bent 1A Revised 5-13-60

CITY OF ROCK ISLAND
 CENTENNIAL BRIDGE APPROACHES
 ROCK ISLAND, ILLINOIS

GENERAL PLAN AND ELEVATION
 RAMP A-1 AND A-3

SCALE: HORIZONTAL, 1" = 40'; VERTICAL, 1" = 10'
 MADE BY: DATE: 1-11-60
 TRCD: DATE: 1-11-60
 CD: DATE: 1-11-60

SHEET 1 OF 24

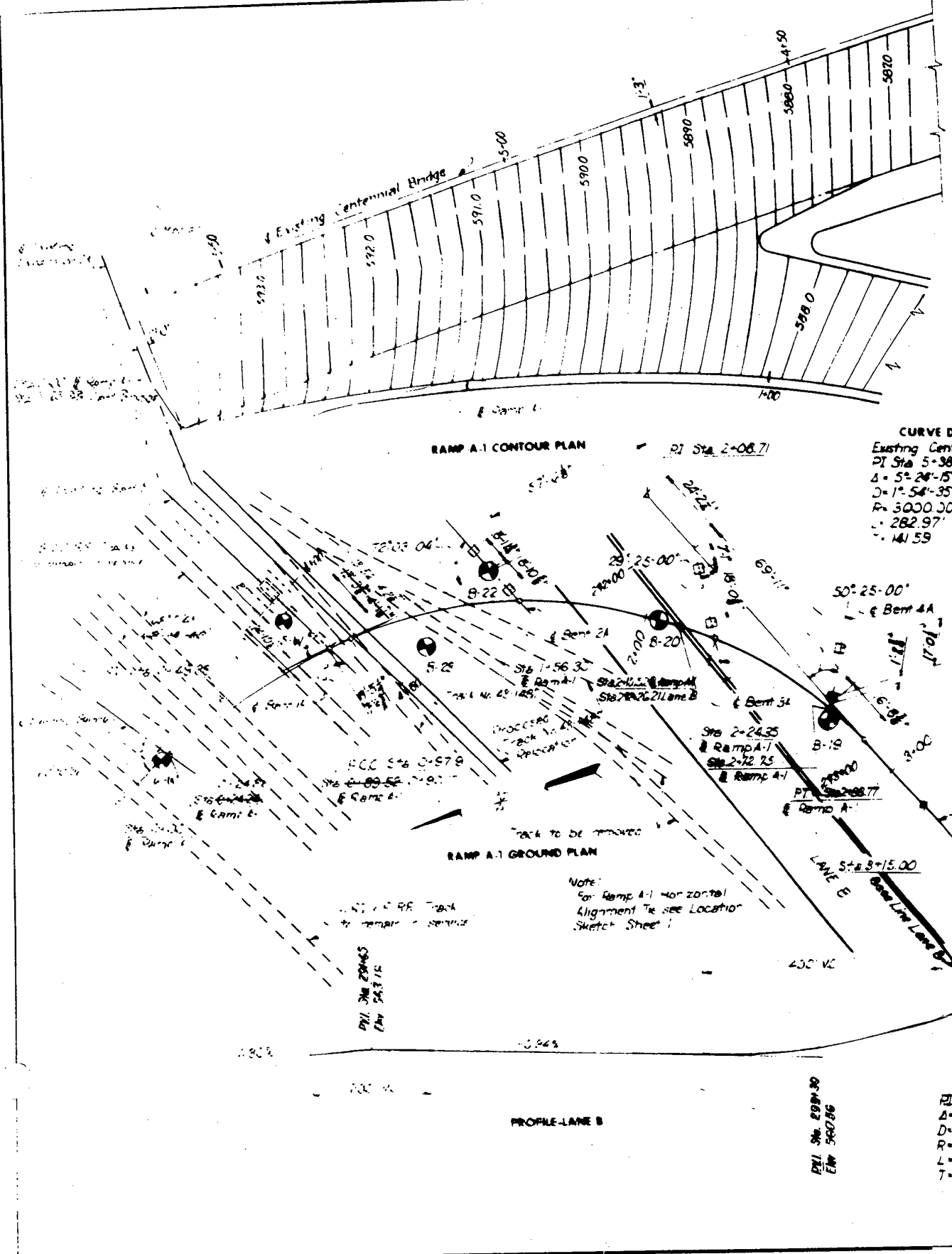
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	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 GENERAL PLAN AND ELEVATION

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

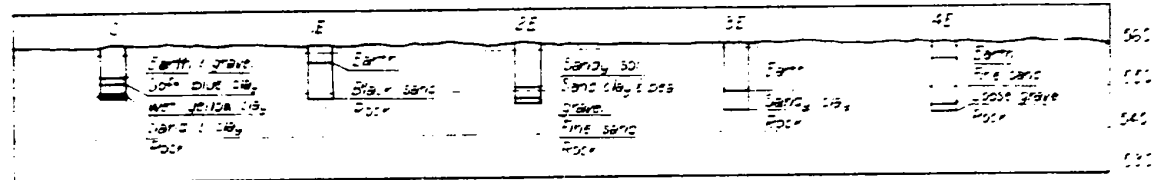
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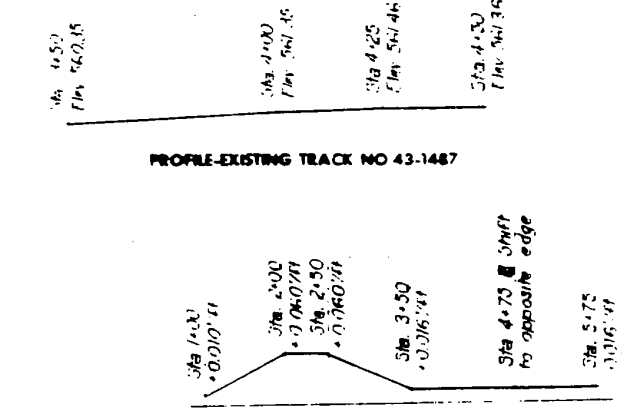
B-17	B-18	B-19	B-20	B-22	B-23	SW	GN				
18 34 100/9'	Sand & gravel Stiff to 42 very hard sandy clay Gravel Limestone	42 21 26 23 100%	Fill Sand with some gravel Limestone clay layers Limestone	111 10 100%	Loose silty fine sand Fine loose sand very dense sandy gravel with clay seams very dense sand & gravel limestone	4 36 37 100/3' 100/2' 100/7' 100/3' 100/3' 100/2'	Fill Very loose silty fine sand Dense very dense gravel with sand very hard silty shale limestone	2 10 29 40 100/1' 100/7' 100/3' 100/3' 100/16'	Fill Sand very coarse loose silty sand some clay firm sand trace of silt, some clay very hard sand & gravel very hard sand	Earth Fine sand Brick fill Clay & sand Red gravel Rock Coarse gravel Coarse sand Rock	Earth, rock ballast Sandy clay Coarse gravel Rock Coarse sand Rock

RAMP A-1 BORING LOGS

Note:
 Numbers to the left of borings are the number of blows of a 140 lb. hammer falling 30" required to drive a 2" x 24" split-spoon sampler 2' after being driven 1'. The fraction 100/16' indicates 16' sampler penetration for 100 blows of hammer.



RAMP A-3 BORING LOGS



CONSTRUCTION SEQUENCE

- Place temporary railing Ramps A-1 and A-3
- Provide temporary relocation of all existing utilities
- Remove existing handrail, sidewalk, curb and brackets in vicinity of Ramp A-1
- Existing handrails to be relocated on Ramp A-3 shall be placed stored
- Remove existing handrail, sidewalk, curb and brackets in vicinity of Ramp A-2 and same sections to be relocated
- Remove portions of existing abutment and bents on Ramp A-3
- Place drilled casings at bents, abutments and walls on Ramps A-1 and A-3
- Construct new bents, abutments and walls on Ramps A-1 and A-3
- Remove and replace shoe under exterior beam of existing Bent 6 or existing Centennial Bridge
- Erect temporary bracing on Ramp A-1
- Erect new superstructure Ramps A-1 and A-3
- Remove temporary railing
- Relocate footings
- Adjust existing inlets
- Complete grading

GENERAL NOTES

Design Specifications: AASHTO 1957
 Design Live Load: HS-20-S16-44
 Concrete $f'_c = 12K$ s.f.s.
 Cover or all reinforcing steel unless otherwise shown.
 All bridges in reinforcing steel shall be 3" or diameter, unless otherwise shown.
 Removal of existing pavement curb walls, platform portions of existing walls and relocation of curb stone shall be included in unit price bid for Ramps A-1, A-2, A-3 concrete. This includes work in vicinity of relocated parapet wall.
 Existing pavement under existing structure shall be removed in vicinity of abutment and Bent 1 as necessary for footing excavation. Existing pavement shall be replaced to the satisfaction of the engineer. Cost of removal and replacement of existing pavement shall be included in the unit price bid for Ramps A-1, A-2, A-3 concrete.
 Removal and relocation of existing handrail curb curbs, sidewalk and stone wall brackets shall be included in unit price bid for Ramps A-1, A-2, A-3 concrete.
 Removal of existing parapet wall, handrail curb curbs, sidewalk and stone wall brackets in vicinity of Ramp A-1 shall be included in the unit price bid for Ramp A-1, A-2, A-3 concrete.
 Cost of all temporary railing shall be included in the unit price bid for other items of work.
 For pointing of structure steel see Special Provisions.

Revisions: 5-18-01
 Dimensions along E Bent A revised
 Location of East Bent 6 and Bent A revised
 Sawn angle pier at East Bent 6

CITY OF ROCK ISLAND
 CENTENNIAL BRIDGE APPROACHES
 ROCK ISLAND, ILLINOIS

RAMPS A-1 AND A-3

CONTOUR PLAN AND BORING LOGS

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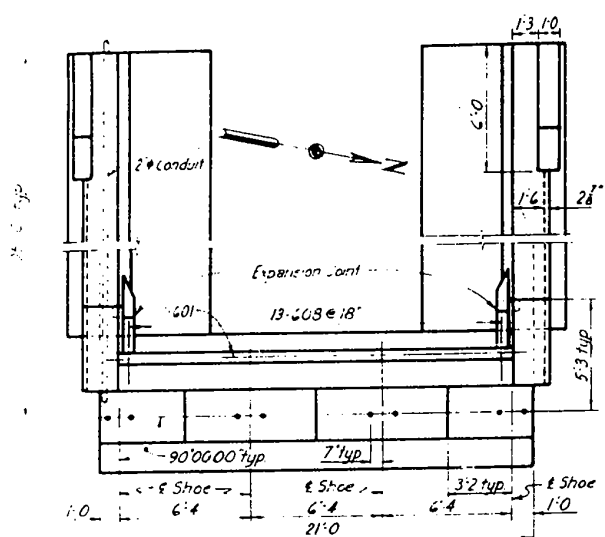
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

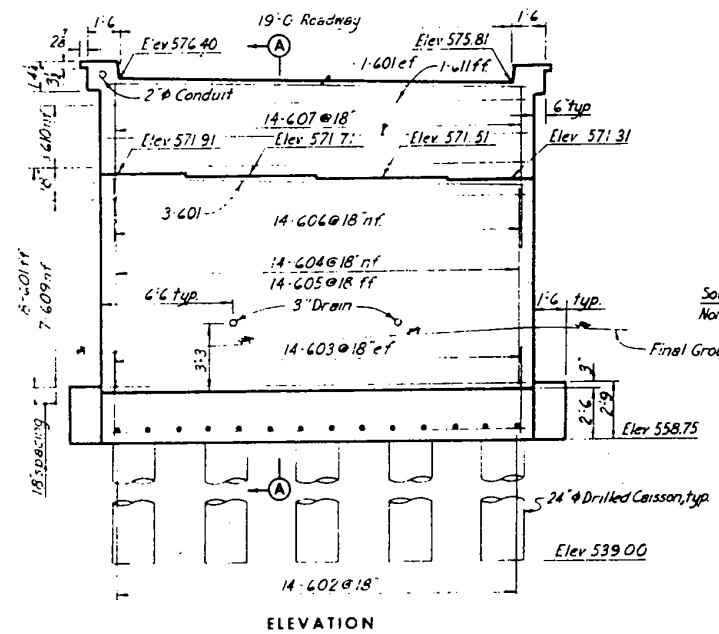
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 CONTOUR PLAN AND BORING LOGS
 SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

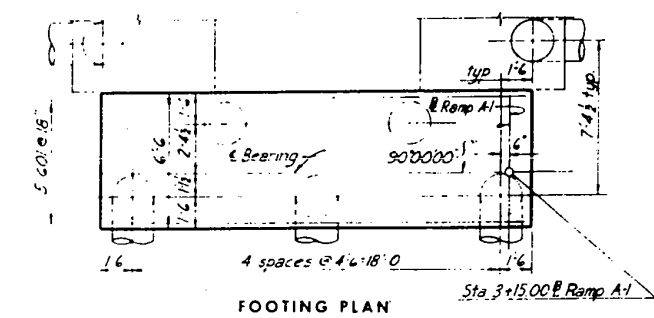
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PLAN

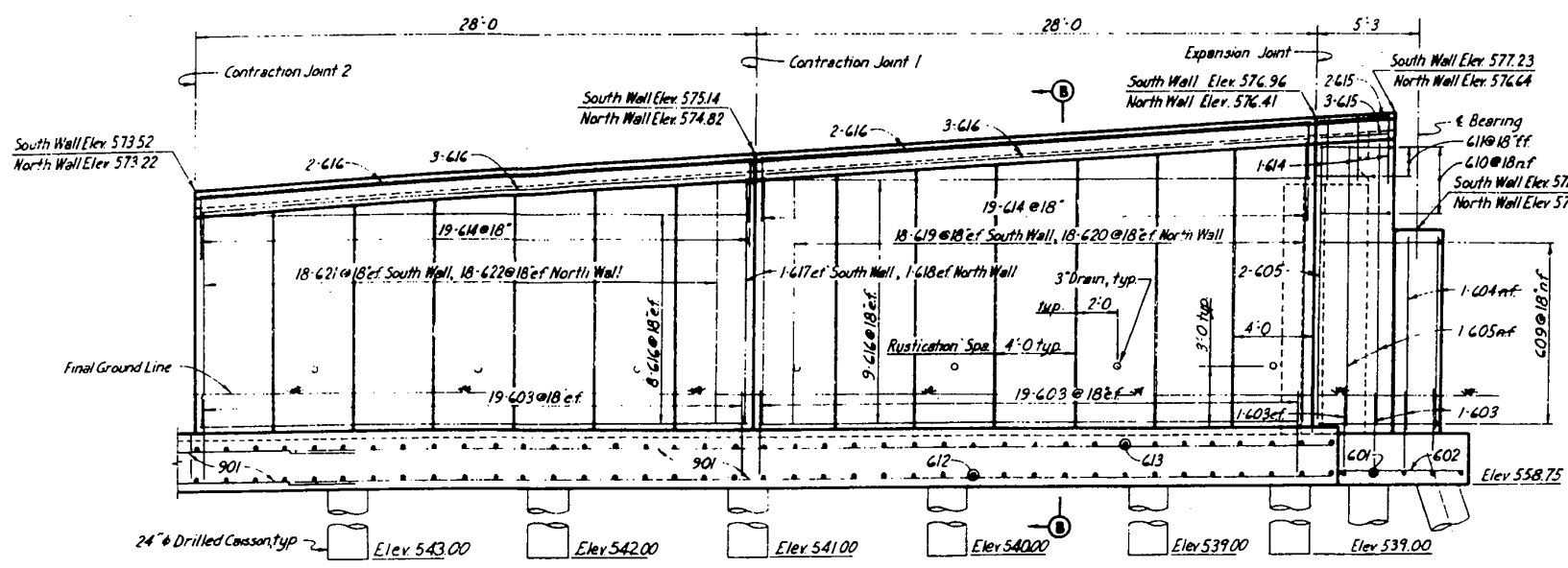


ELEVATION

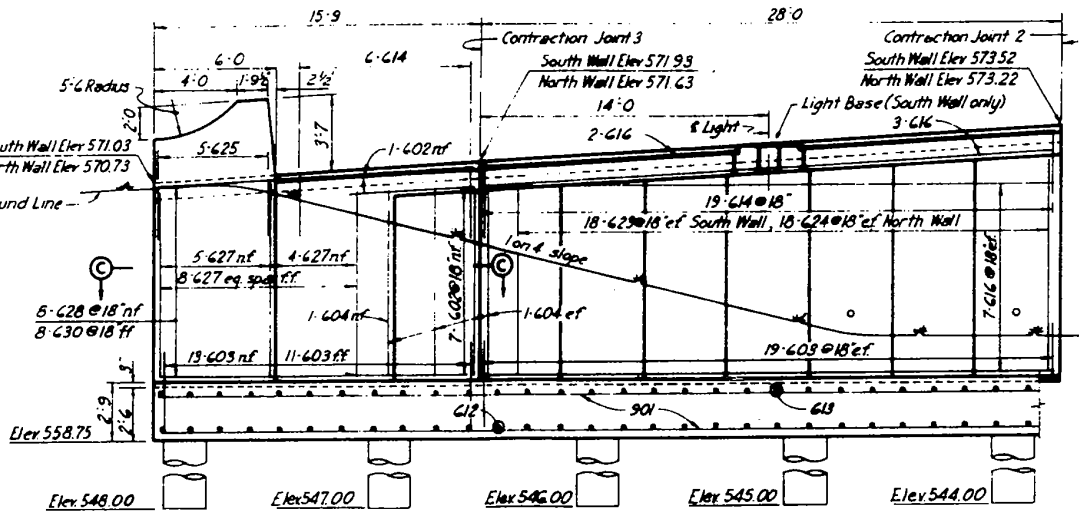


FOOTING PLAN

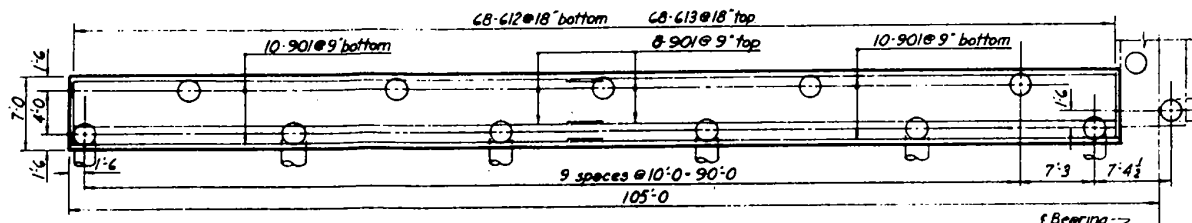
LEGEND
 nf = near face
 ff = far face
 cf = each face



ELEVATION SOUTH WALL
 North Wall similar but opposite



FOOTING PLAN SOUTH WALL
 North Wall similar but opposite



Mark	No.	Length	Type
601	19	20'-8"	str.
602	32	6'-2"	
603	314	4'-2"	
604	36	9'-2"	
605	2229	14'-3"	str.
606	14	6'-5"	
607	14	9'-5"	
608	13	3'-5"	
609	7	39'-0"	
610	3	28'-0"	
611	2	24'-0"	
612	136	6'-8"	str.
613	136	5'-6"	str.
614	132	6'-3"	
615	10	3'-8"	str.
616	126	27'-8"	
617	4	12'-9"	
618	4	12'-5"	
619-1	6	14'-9"	
619-2	3	14'-5"	
619-3	3	14'-1"	
619-4	4	13'-9"	
619-5	5	13'-5"	
619-6	6	13'-1"	str.

Mark	No.	Length	Type
620-1	6	14'-2"	str.
620-2	2	13'-10"	
620-3	3	13'-6"	
620-4	4	13'-2"	
620-5	5	12'-10"	
620-6	3	12'-6"	
621-1	1	12'-10"	
621-2	2	12'-6"	
621-3	3	12'-2"	
621-4	4	11'-10"	
621-5	5	11'-6"	
621-6	6	11'-2"	
622-1	1	12'-3"	
622-2	2	12'-0"	
622-3	3	11'-9"	
622-4	4	11'-6"	
622-5	5	11'-3"	
622-6	6	11'-0"	
623-1	1	11'-2"	
623-2	2	10'-10"	
623-3	3	10'-6"	
623-4	4	10'-2"	
623-5	5	9'-10"	
623-6	6	9'-6"	
624-1	1	10'-8"	
624-2	2	10'-5"	
624-3	3	10'-2"	
624-4	4	9'-11"	
624-5	5	9'-9"	
624-6	6	9'-6"	str.
625	10	7'-9"	
626	189	4'-5"	
627	34	9'-4"	str.
628	16	12'-2"	
629	16	12'-0"	
630	16	15'-5"	str.
631	4	6'-7"	
632	8	5'-8"	str.
633	10	11'-8"	
634	36	3'-3"	
635	18	5'-7"	
636	3	7'-8"	
637	4	7'-0"	
901	7236	51'-11"	str.

NOTE
 For sections, details, and notes pertaining to abutment, see Sheet A.
 For Bar Details, see Sheet A.

DRAWING REVISED
 AS BUILT

CITY OF ROCK ISLAND
 CENTENNIAL BRIDGE APPROACHES
 ROCK ISLAND, ILLINOIS

RAMP A-1
 ABUTMENT DETAILS

SCALE: _____ HOWARD NEEDLES TAMMEN & BERGENOFF
 MADE BY DATE & BY CONSULTING ENGINEERS
 TRCD DATE FANAL CITY NEW YORK
 CRD BY DATE 12-18-19 SHEET 3 OF 24

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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 ABUTMENT DETAILS
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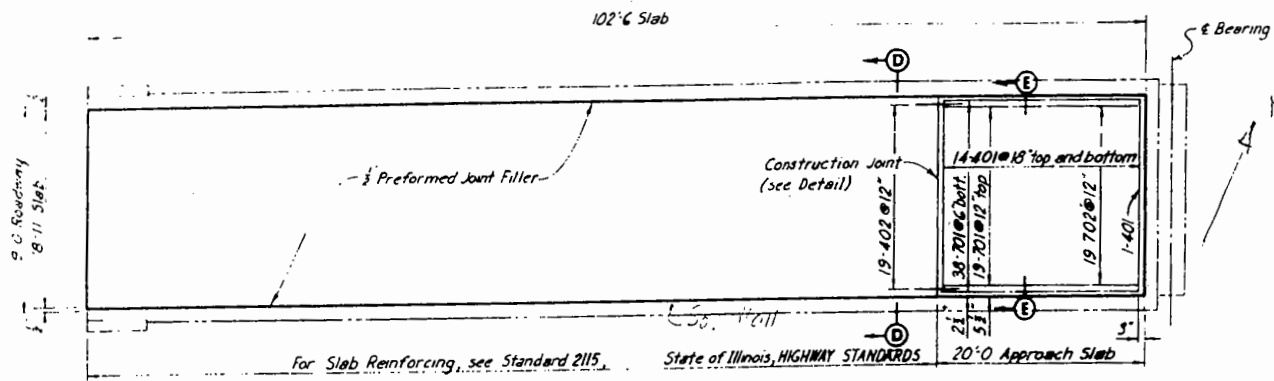
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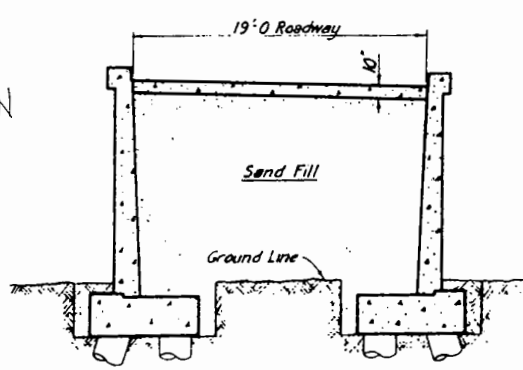
FOR INFORMATION ONLY

Note:
Approach slab reinforcing
is included with substructure
reinforcing bar quantities.

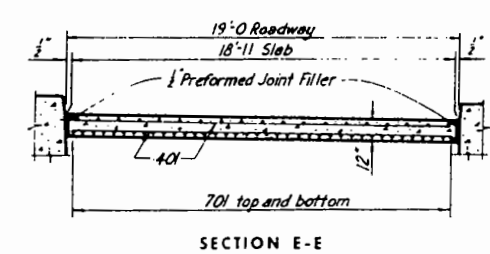
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402	19	3'-0"	str.
701	57	19'-8"	str.
702	19	1'-6"	str.



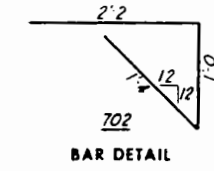
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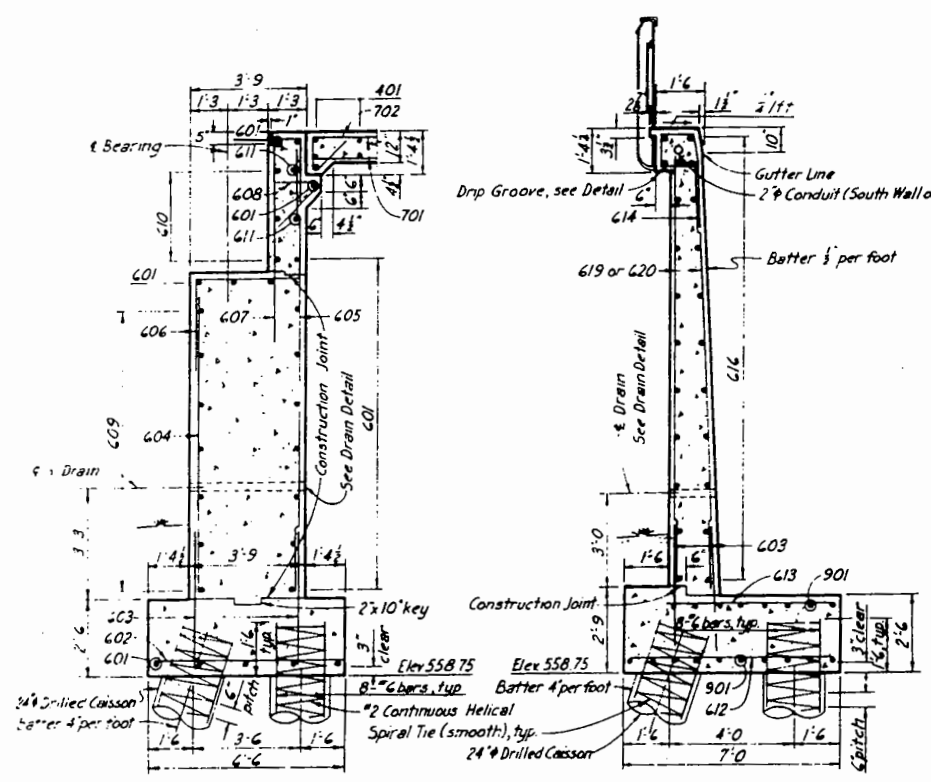
SECTION D-D



SECTION E-E

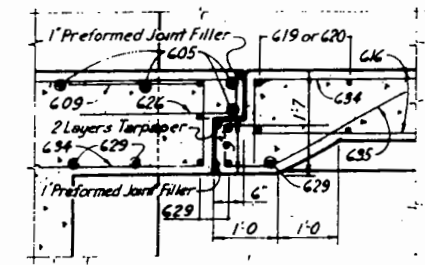


BAR DETAIL

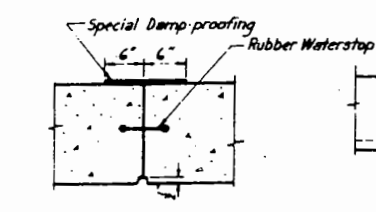


SECTION A-A

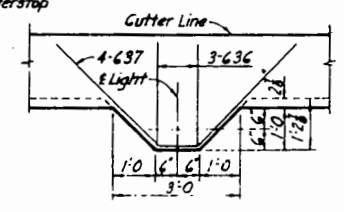
SECTION B-B



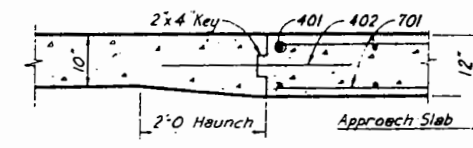
SECTION F-F



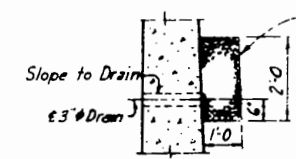
CONTRACTION JOINT DETAIL



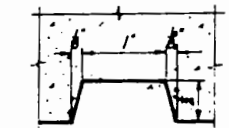
LIGHT BASE DETAIL



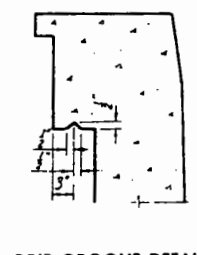
SLAB CONSTRUCTION JOINT DETAIL



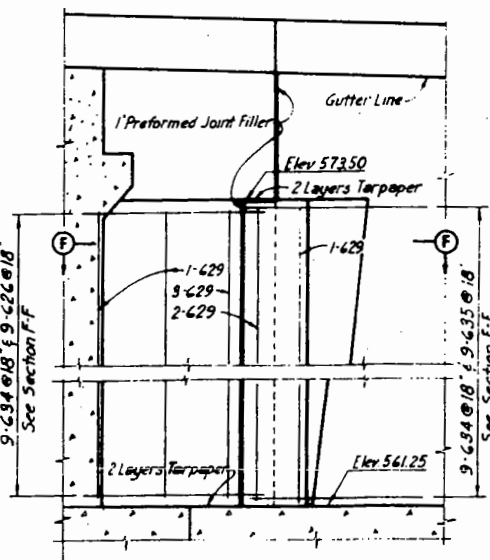
DRAIN DETAIL



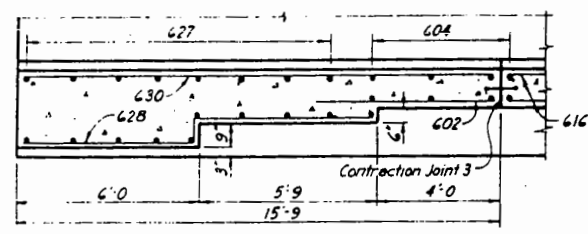
RUSTICATION DETAIL



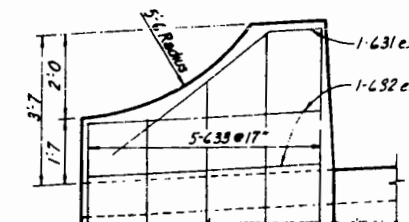
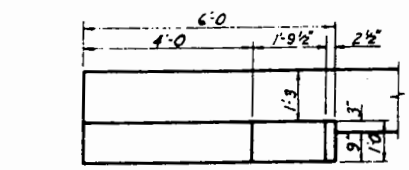
DRIP GROOVE DETAIL



EXPANSION JOINT DETAIL

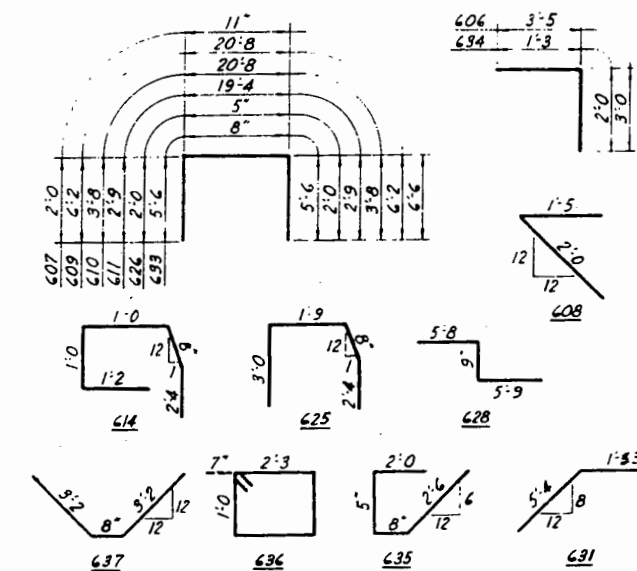


SECTION C-C



END POST DETAIL

End Post Detail and Bar 631 Revised 7-13-60.



BAR DETAILS

NOTE All reinforcing for drilled caissons shall be included in the unit price bid for drilled caissons.

AS BUILT

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

RAMP A-1
APPROACH SLAB AND WALL DETAILS

SCALE: _____ HOWARD, NEEDLES TAMMEN & BERGENDOFF
MADE IN ILLINOIS CONSULTING ENGINEERS
TRCD DATE: _____ KANSAS CITY, MISSOURI
CDD R/A DATE: 12-12-17 SHEET 4 OF 24

FILE NAME = P:\A-2012\09\12689 Centennial Bridge Scour Investigation\700 CAD Files\702 Civil Design Files\99 From PW\264348-act-pin.dgn

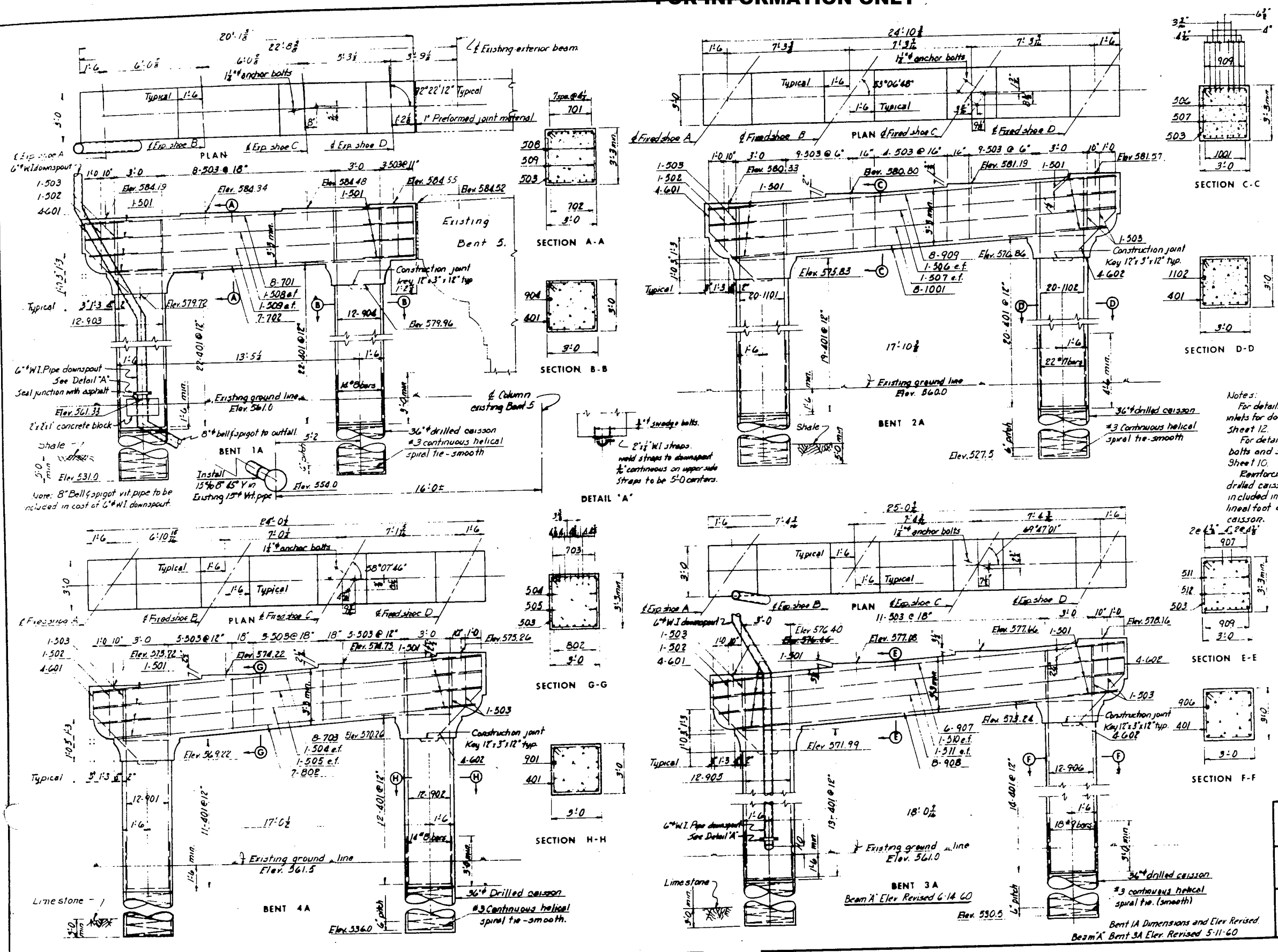
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	DRAWN -	REVISED -
PLOT SCALE = 2:8.0000 1' = 1/8"	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
APPROACH SLAB AND WALL DETAILS

SHEET OF SHEETS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 16
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

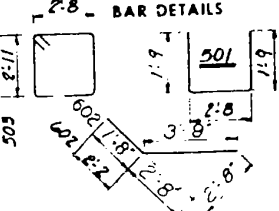


BILL OF REINFORCEMENT			
MARK	NO	LENGTH	TYPE
BENT 1A			
401	44	11'-6"	U
501	8	6'-2"	U
502	1	11'-8"	U
503	12	12'-0"	U
508	2	19'-9"	str.
509	2	19'-6"	str.
601	4	5'-5"	str.
701	8	19'-9"	str.
702	7	18'-1"	str.
903	12	24'-3"	str.
904	12	24'-9"	str.

BILL OF REINFORCEMENT			
MARK	NO	LENGTH	TYPE
BENT 2A			
401	39	11'-6"	U
501	8	6'-2"	U
502	1	11'-8"	U
503	25	12'-0"	U
506	2	24'-6"	U
507	2	23'-3"	str.
601	4	5'-5"	str.
602	4	5'-7"	str.
909	8	24'-6"	str.
1001	8	22'-8"	str.
1101	20	21'-7"	str.
1102	20	22'-8"	str.

BILL OF REINFORCEMENT			
MARK	NO	LENGTH	TYPE
BENT 3A			
401	27	11'-6"	U
501	8	6'-2"	U
502	1	11'-8"	U
503	14	12'-0"	U
510	2	24'-8"	str.
511	2	24'-0"	str.
601	4	5'-5"	str.
602	4	5'-4"	str.
905	12	16'-8"	str.
906	12	18'-4"	str.
907	6	24'-8"	str.
908	8	22'-9"	str.

BILL OF REINFORCEMENT			
MARK	NO	LENGTH	TYPE
BENT 4A			
401	23	11'-6"	U
501	8	6'-2"	U
502	1	11'-8"	U
503	16	12'-0"	U
504	2	23'-8"	str.
505	2	23'-6"	str.
601	4	5'-5"	str.
602	4	5'-11"	str.
703	8	23'-8"	str.
802	7	21'-9"	str.
901	12	13'-6"	str.
902	12	14'-6"	str.



CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

**RAMP A-1
BENTS**

SCALE: HORIZONTAL DATE 12/14/59
VERTICAL DATE 12/14/59
DRAWN BY: HOWARD NEEDLES TAMM & BERTRAND
CHECKED BY: T. M. G. HARRIS
DESIGNED BY: T. M. G. HARRIS
CITY OF ROCK ISLAND
SHEET 5 OF 24

USER NAME = siphocac	DESIGNED -	REVISED -
PLOT SCALE = 28.0000 1" = 10'	DRAWN -	REVISED -
PLOT DATE = 8/6/2018	CHECKED -	REVISED -
	DATE -	REVISED -

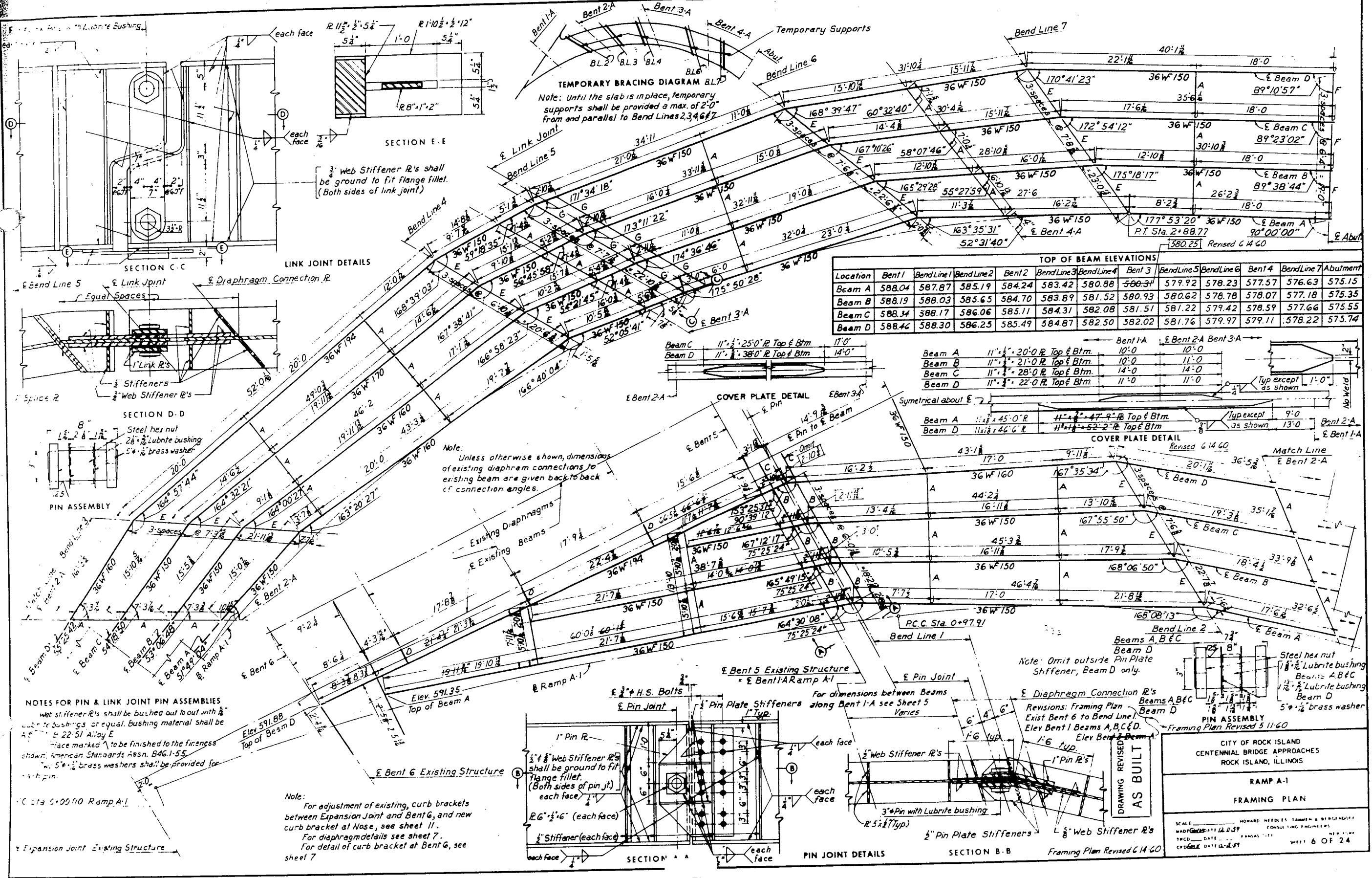
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
BENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	17
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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FOR INFORMATION ONLY



FILE NAME = P:\A_2012\09\12699 Centennial Bridge Scour Investigation\700 CAD Files\702 Civil Design Files\99 From PW\2264348-abt-pin.dgn

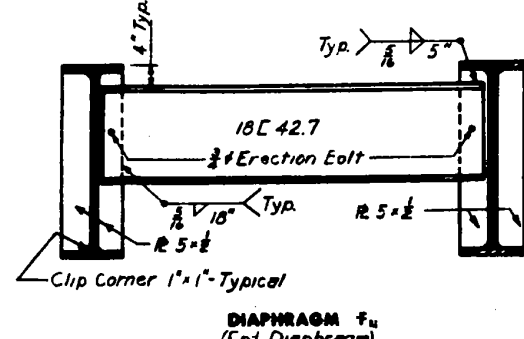
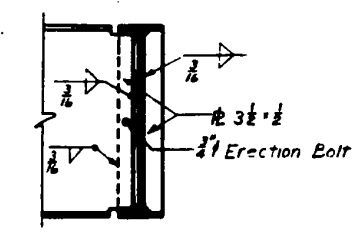
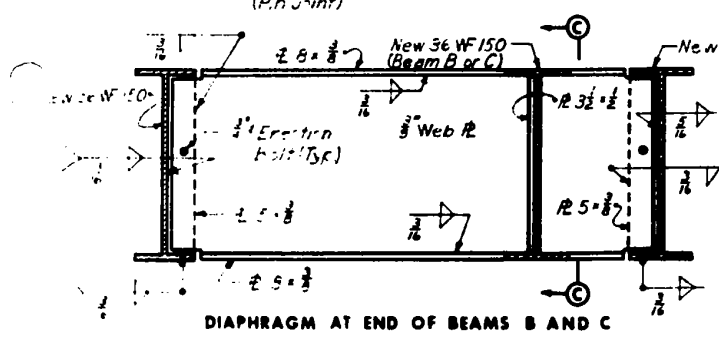
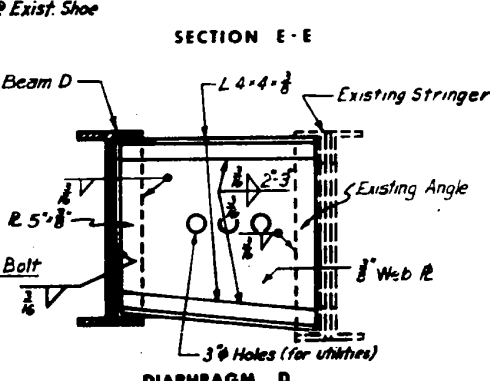
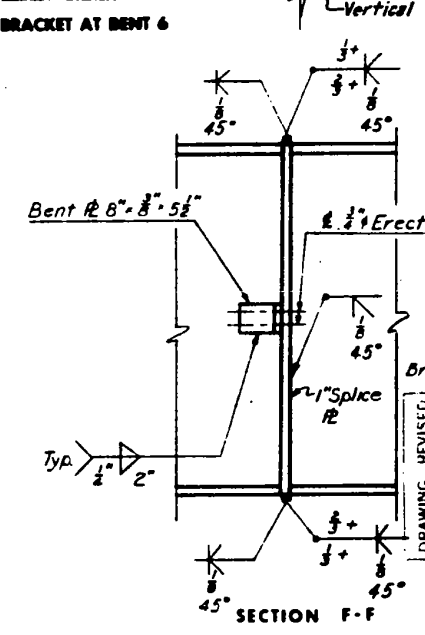
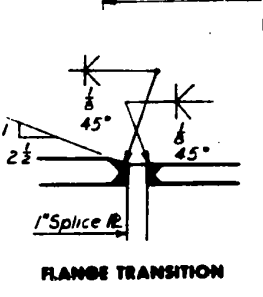
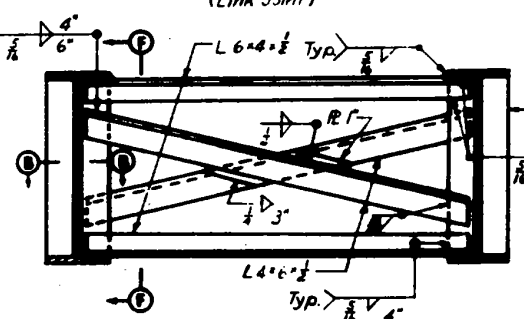
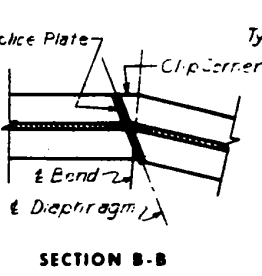
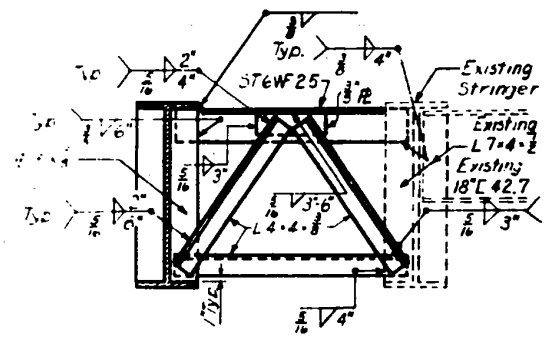
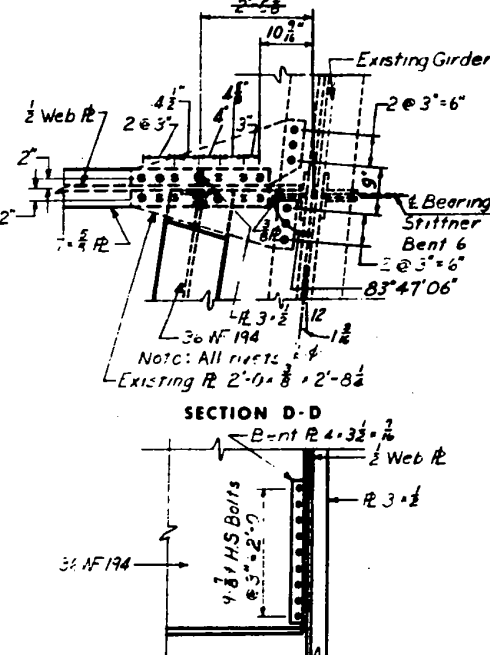
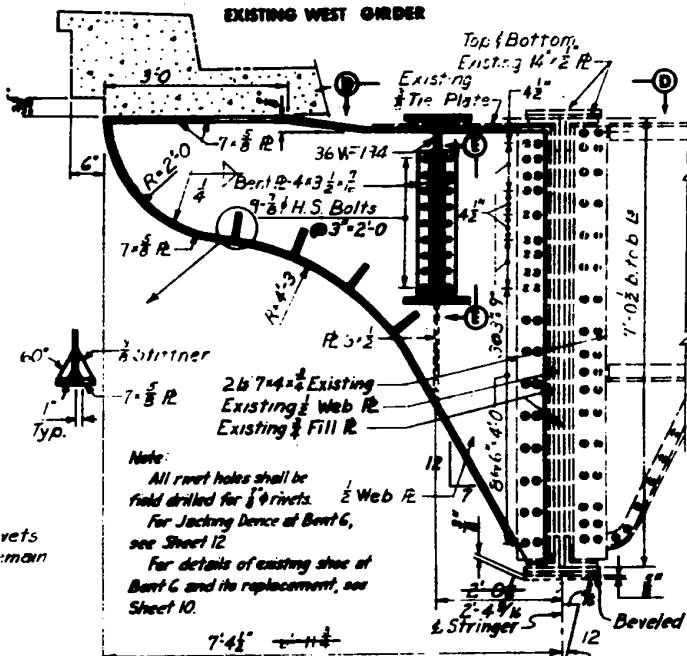
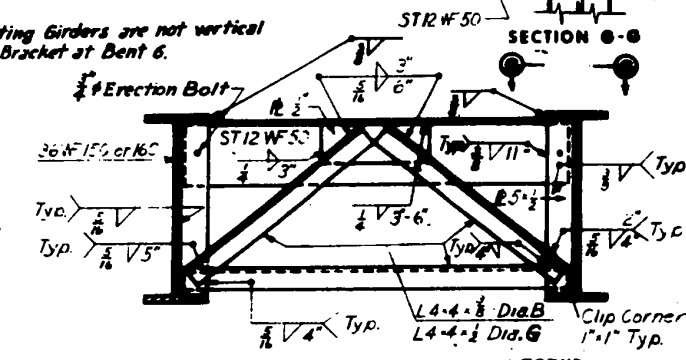
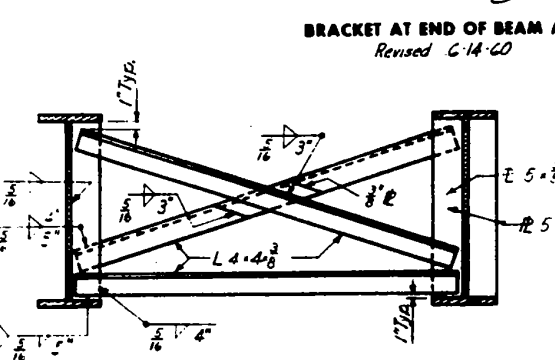
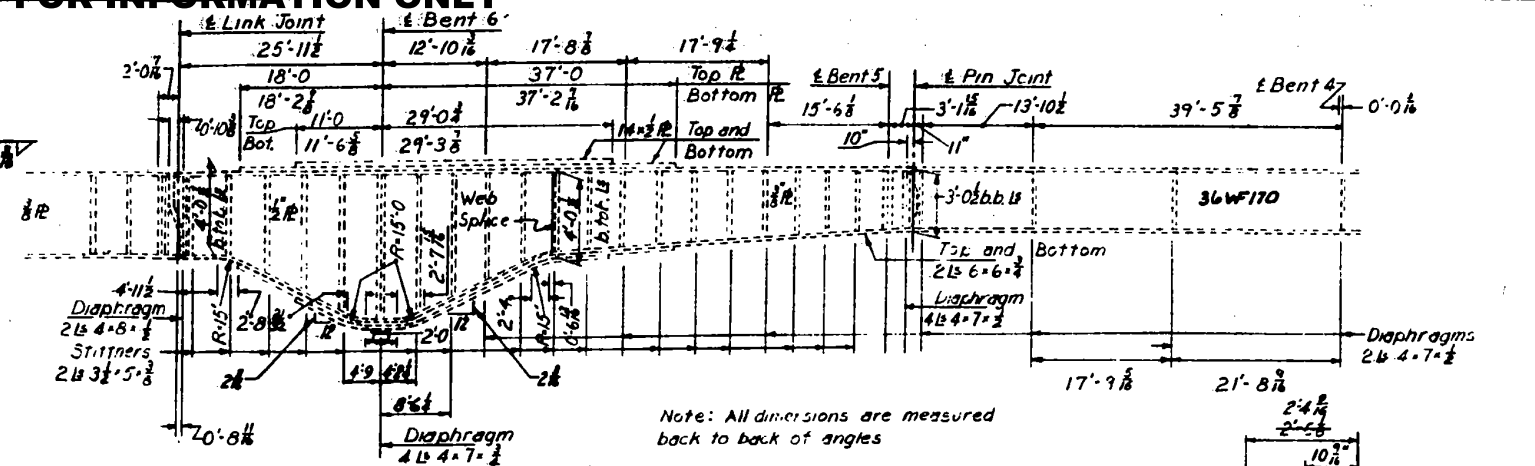
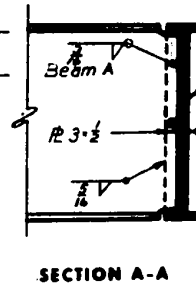
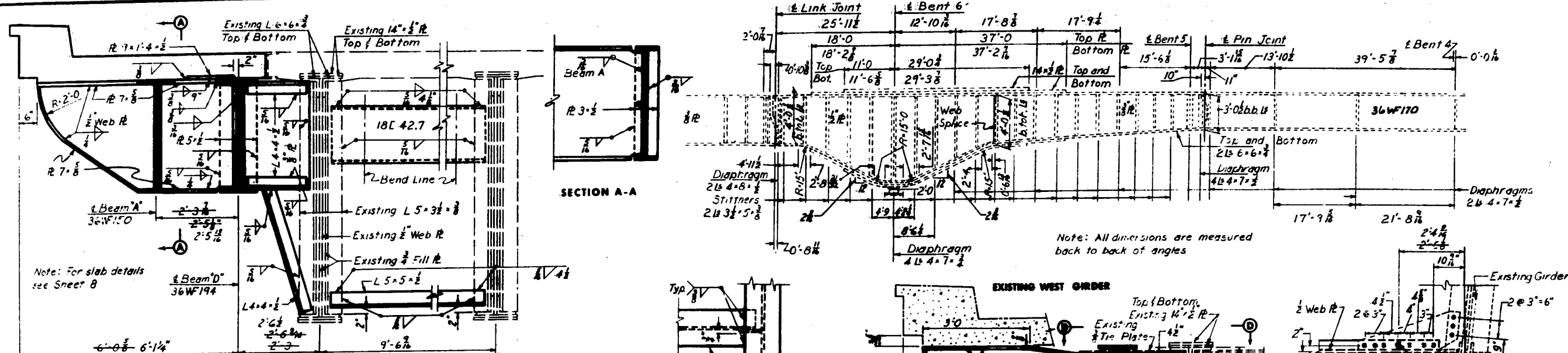
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	DRAWN -	REVISED -
PLOT SCALE = 2:8.0000 1" = 16'	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 FRAMING PLAN

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 18
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



LEGEND
 (Pin Joint) Replace Existing 3/4" Rivets
 (Link Joint) Existing 3/4" Rivets to remain in place

Note:
 All rivet holes shall be field drilled for 3/4" rivets.
 For Jacking Device at Bent 6, see Sheet 12.
 For details of existing shoe at Bent 6 and its replacement, see Sheet 10.

CITY OF ROCK ISLAND
 CENTENNIAL BRIDGE APPROACHES
 ROCK ISLAND, ILLINOIS

RAMP A-1
 DIAPHRAGM DETAILS

SCALE: HORIZONTAL - AS BUILT
 VERTICAL - AS BUILT

HOWARD, NEEDLES TAMM & BERGENROFF
 CONSULTING ENGINEERS
 CHICAGO, ILLINOIS

DATE: 8/6/2018
 SHEET 7 OF 24

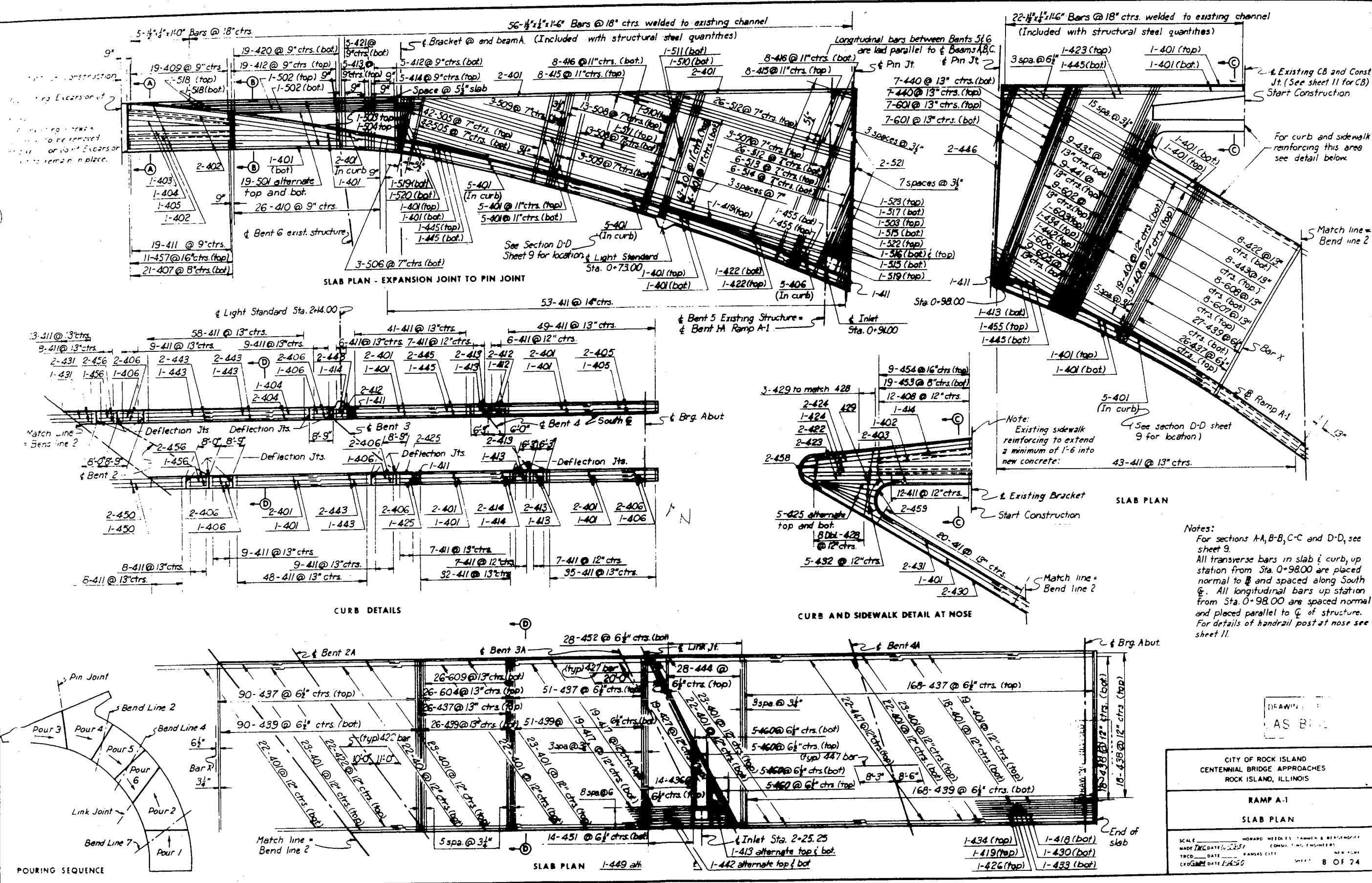
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	DRAWN -	REVISED -
PLOT SCALE = 28.0000 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 DIAPHRAGM DETAILS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

FOR INFORMATION ONLY



Notes:
 For sections A-A, B-B, C-C and D-D, see sheet 9.
 All transverse bars in slab & curb, up station from Sta. 0+98.00 are placed normal to B and spaced along South C. All longitudinal bars up station from Sta. 0+98.00 are spaced normal and placed parallel to C of structure. For details of handrail post at nose see sheet 11.

DRAWN AS BUILT

CITY OF ROCK ISLAND
 CENTENNIAL BRIDGE APPROACHES
 ROCK ISLAND, ILLINOIS

RAMP A-1
 SLAB PLAN

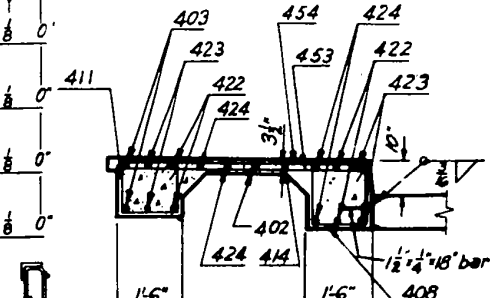
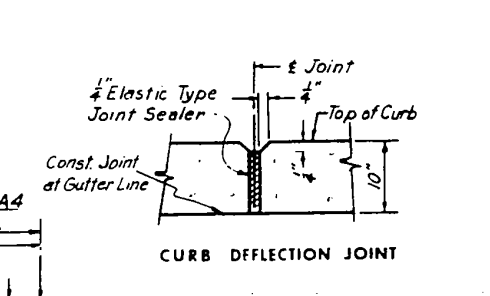
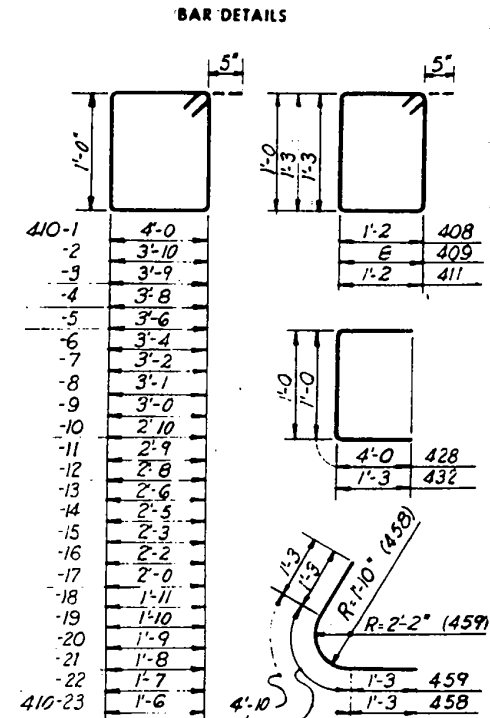
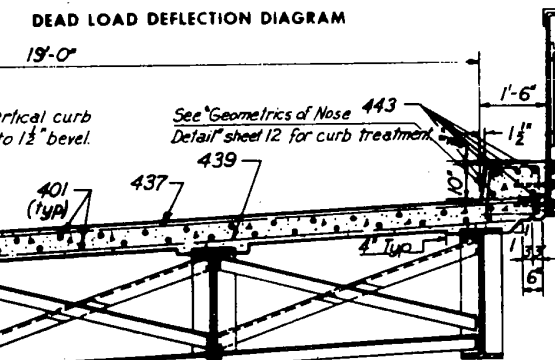
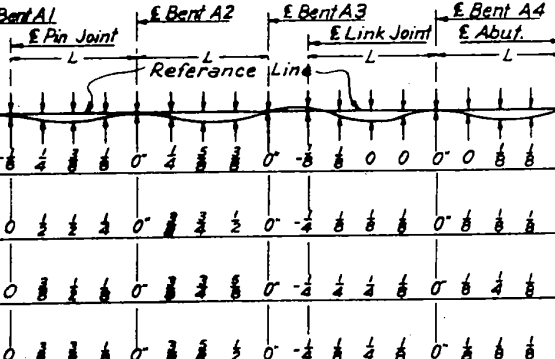
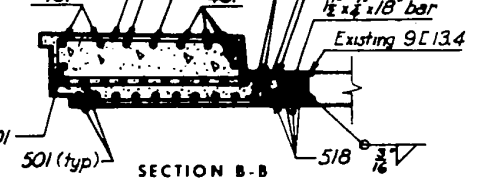
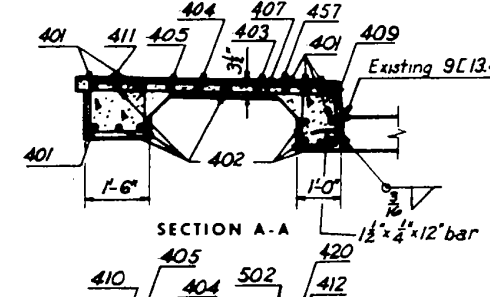
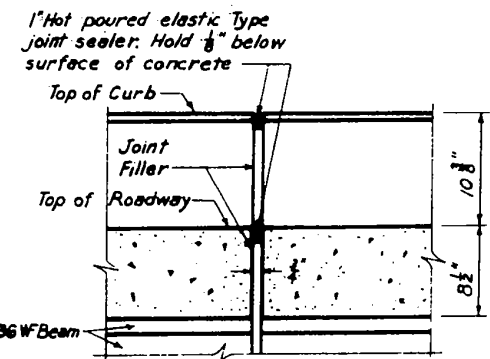
SCALE: HORIZONTAL: AS SHOWN; VERTICAL: AS SHOWN
 MADE: 11/25/15
 TRCD: DATE: 11/25/15
 CD: DATE: 11/25/15

8 OF 24

USER NAME = siphkovic	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 081-9905 SLAB PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2x8.0000" 1" =	DRAWN -	REVISED -			599	(3BR) M-1	ROCK ISLAND	59	20
PLOT DATE = 8/6/2018	CHECKED -	REVISED -			CONTRACT NO. 64J48				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2012\09\12699 Centennial Bridge Scour Investigation\780 C400 Files\782 Civil Design Files\99 From PW\2264348-ahb-pin.dgn

BILL OF REINFORCEMENT table with columns for Slab Mark, No., Length, and Type. Includes sections for Slab Continued and Slab Continued.



Project title block: CITY OF ROCK ISLAND CENTENNIAL BRIDGE APPROACHES ROCK ISLAND, ILLINOIS RAMP A-1 SUPERSTRUCTURE REINFORCING SCHEDULE. Includes scale, date (1/15/60), and sheet number (9 OF 24).

FILE NAME = P:\A_2012\Civil\2609_Centennial Bridge Scour Investigation\700 CADD Files\702 Civil Design Files\99 From PW\2609-08-08-p1n.dgn

User information table with fields for USER NAME, PLOT SCALE, and PLOT DATE.

Designation table with fields for DESIGNED, DRAWN, CHECKED, and DATE.

Revision table with fields for REVISED and DATE.

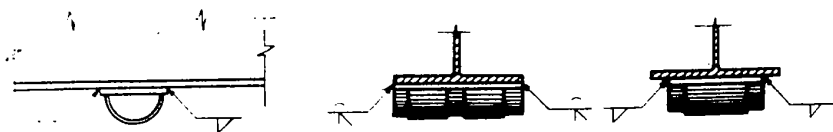
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SN 081-9905 SUPERSTRUCTURE REINFORCING SCHEDULE

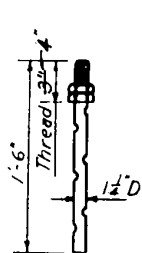
Project summary table with columns for F.A.P. RT., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.

FOR INFORMATION ONLY

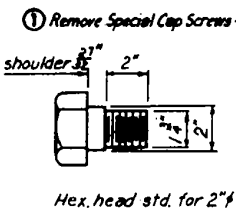
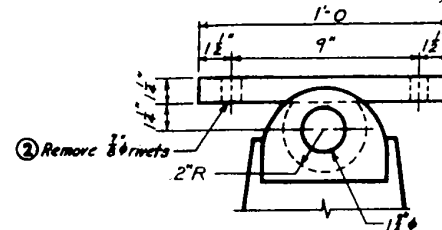
Note: All welds shall be $\frac{5}{16}$ " continuous fillet welds unless otherwise noted.



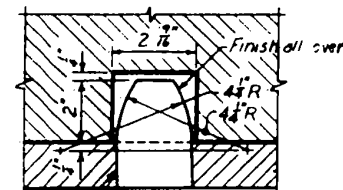
SOLE PLATE AND BEAM CONNECTION



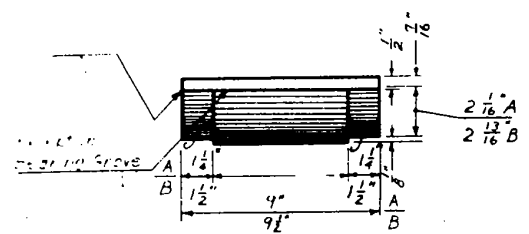
SWAGED ANCHOR BOLTS



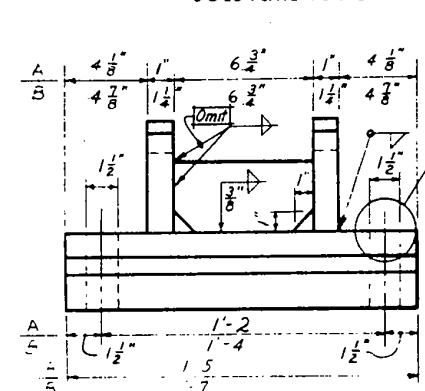
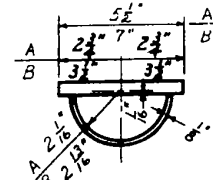
ROCKER PIN AND SPECIAL CAP SCREW
(To be removed)



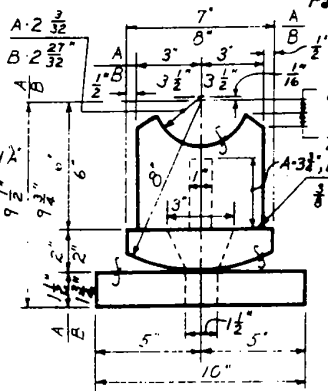
PINTELE DETAIL



SOLE PLATE FOR EXPANSION SHOES



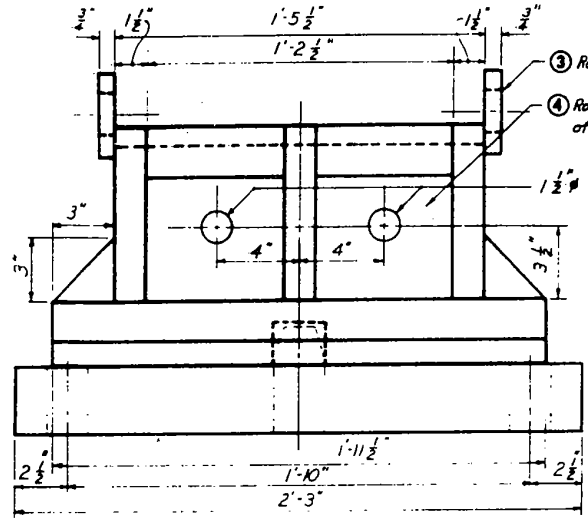
EXPANSION SHOES



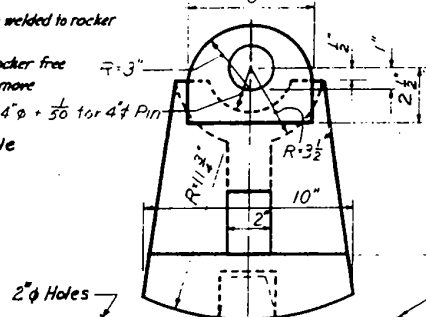
DETAIL A
Note: "A" Dimensions are for Bearing Devices at abutment. "B" Dimensions are for Bearing Devices at Bents M and S. Fixed Bearing Devices are for Bents 2A and 4A.



1" Bearing Pad

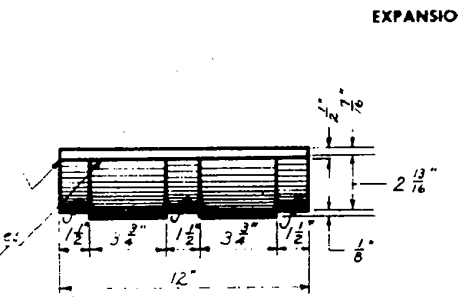


Remove 3/8" Plate welded to rocker
Rotate or cut Rocker free of pintle and remove
4" x 5/8" for 4" Pin
1 1/2" Cored Hole

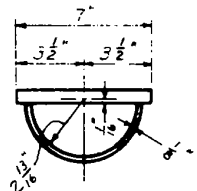


NOTE
Sequence of removal of existing shoe at Bent 6 is shown by circled numbers Example: 1 Remove Special Cap Screws

2 Remove Anchor Bolt Nuts
3 Remove Base Plate

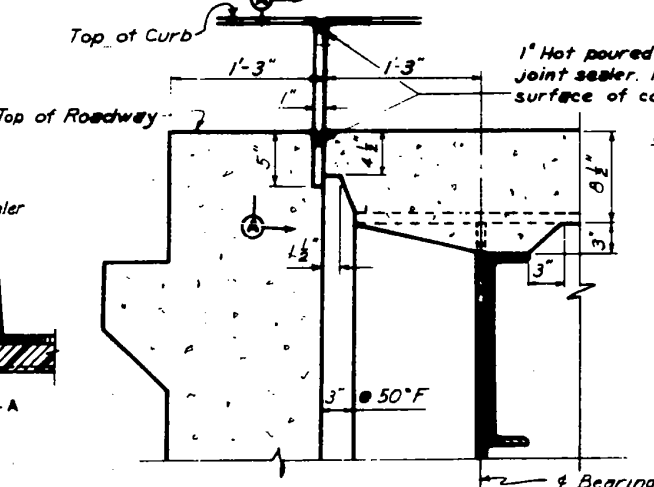


SOLE PLATE FOR FIXED SHOE

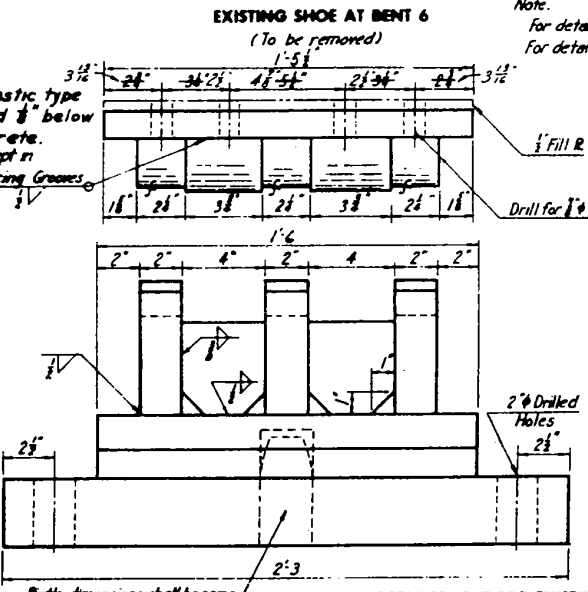


SECTION A-A

Note: All welds shall be $\frac{5}{16}$ " continuous fillet welds unless otherwise noted.

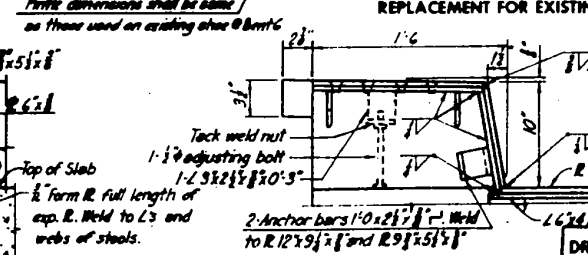


SECTION THRU ROADWAY AT ABUTMENT



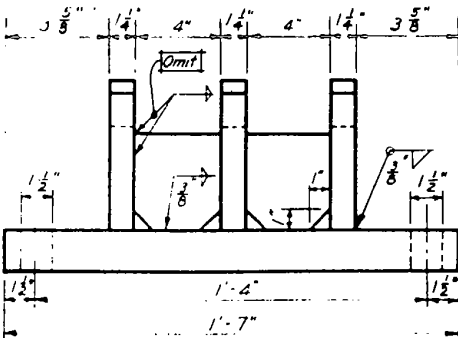
EXISTING SHOE AT BENT 6
(To be removed)

Note: For details of Jacking Dence to be used at Bent 6, see Sheet 12. For details of existing girder in vicinity of Bent 6, see Sheet 7.

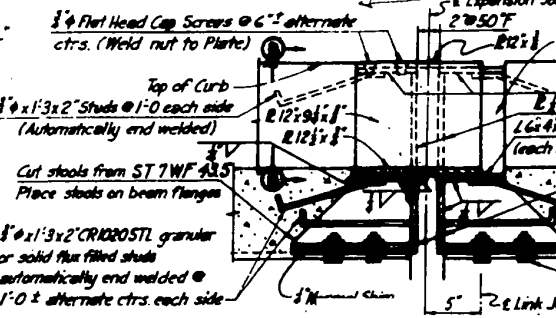
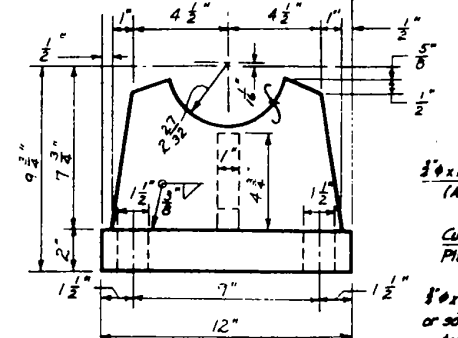


REPLACEMENT FOR EXISTING SHOE AT BENT 6

NOTES
All parts of shoes shall be structural steel except at Bent 6. All parts of shoe at Bent 6 shall be structural low alloy steel conforming to ASTM-A-242, USS T-1



FIXED SHOE
(Bents 2A and 4A)



SLABBING PLATE GUARD AT LINK JOINT

SECTION B-B

DRAWING REVISED AS BUILT

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

RAMP A-1
EXPANSION JOINTS AND SHOES

SCALE: AS SHOWN
DATE: 11-11-60
SHEET 10 OF 24

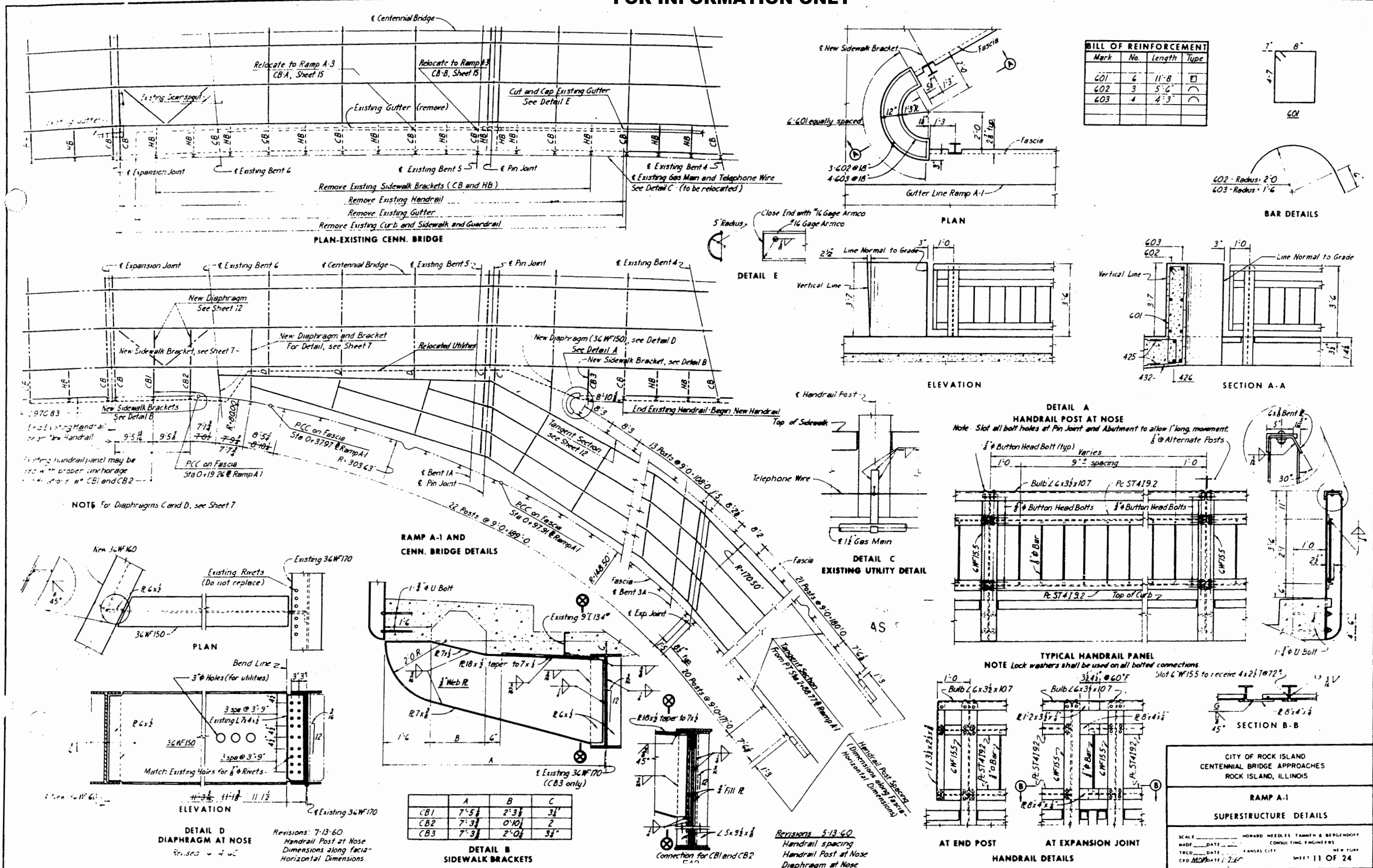
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
EXPANSION JOINTS AND SHOES

F.A.P. R.T.E. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 22
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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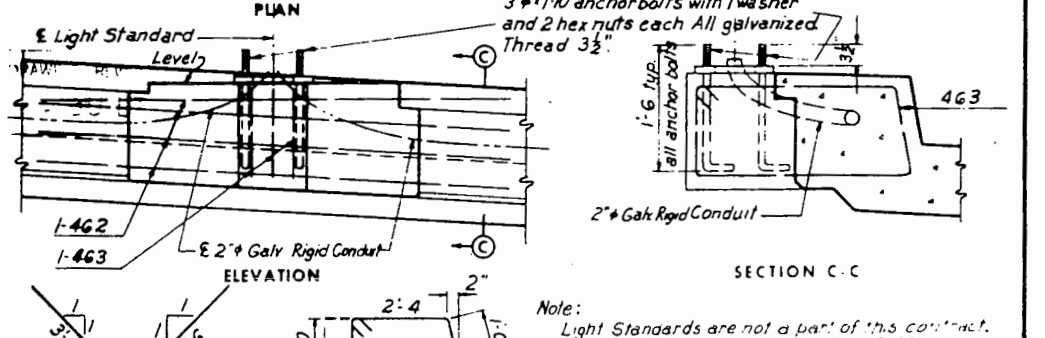
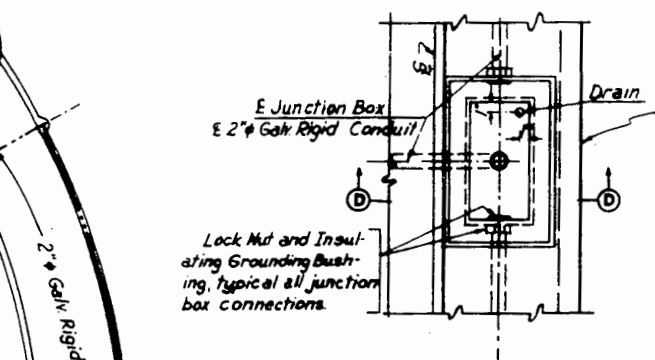
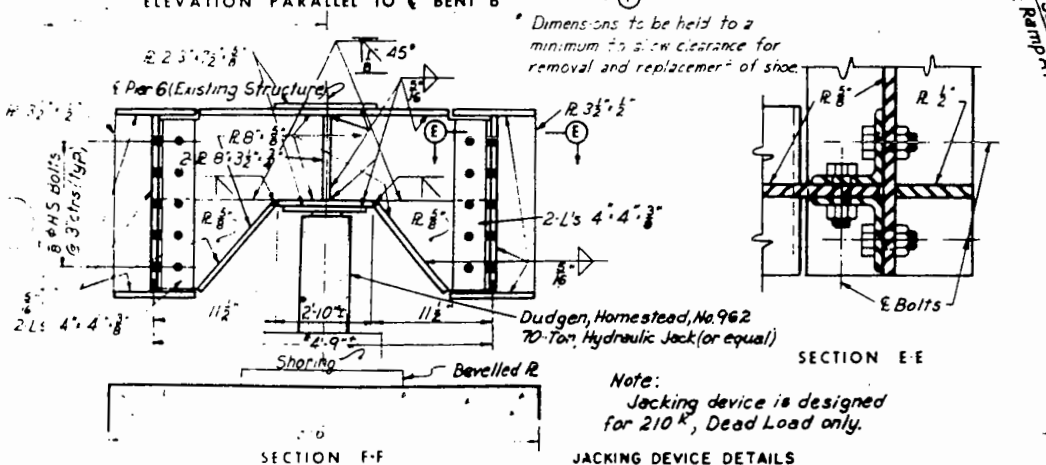
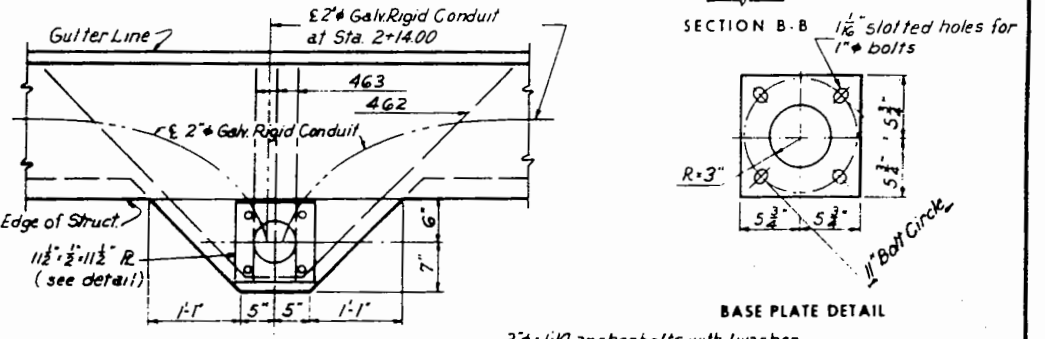
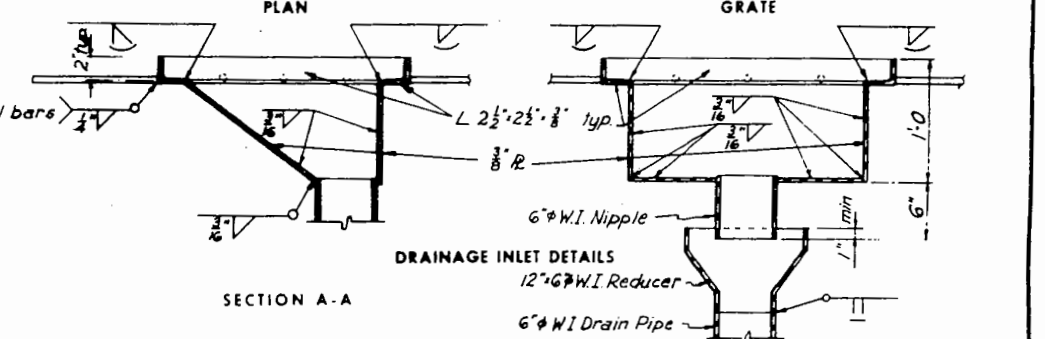
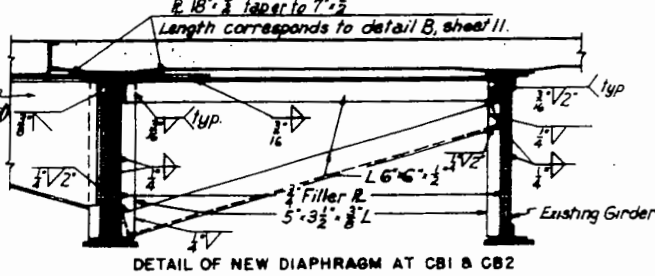
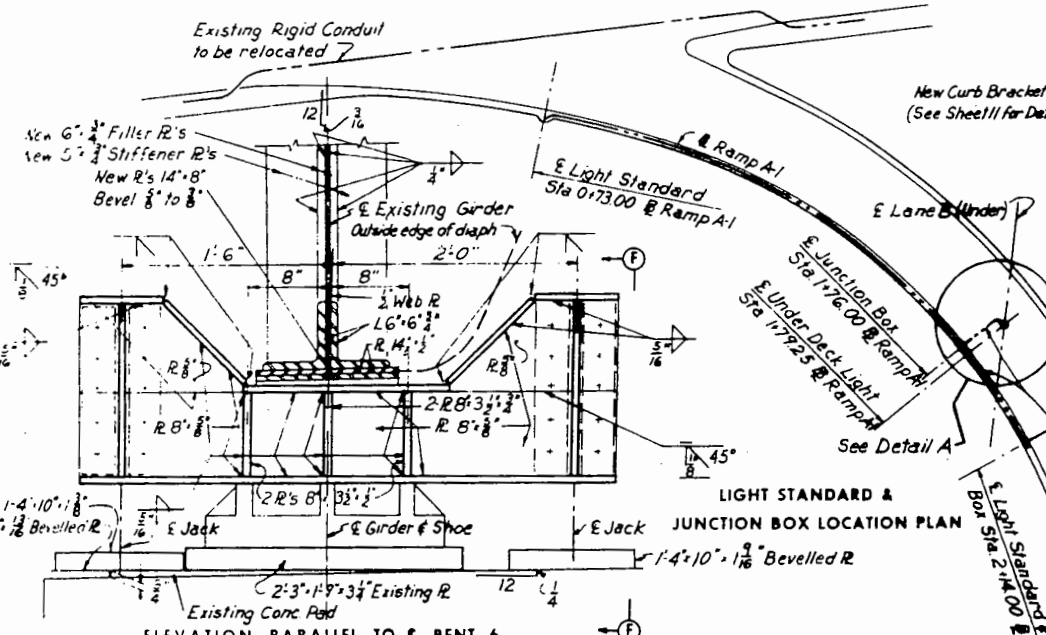
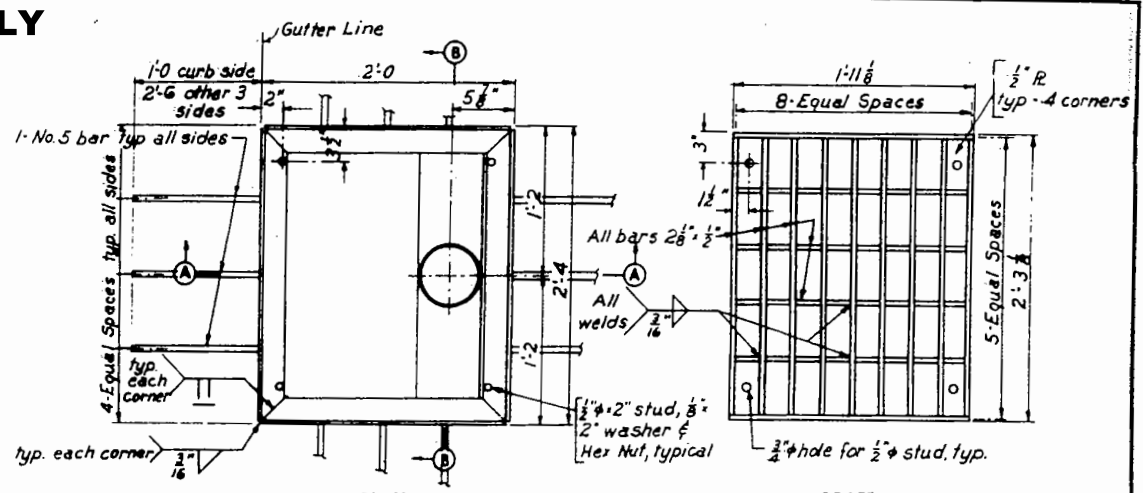
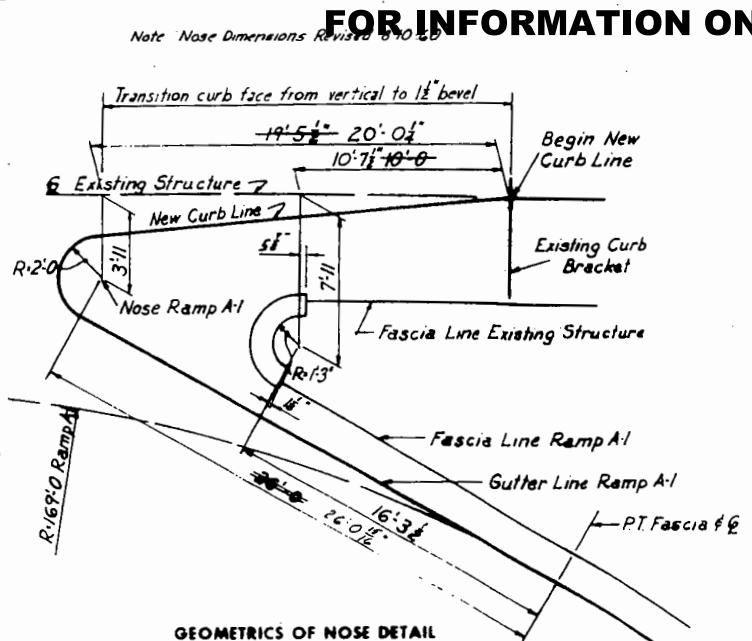
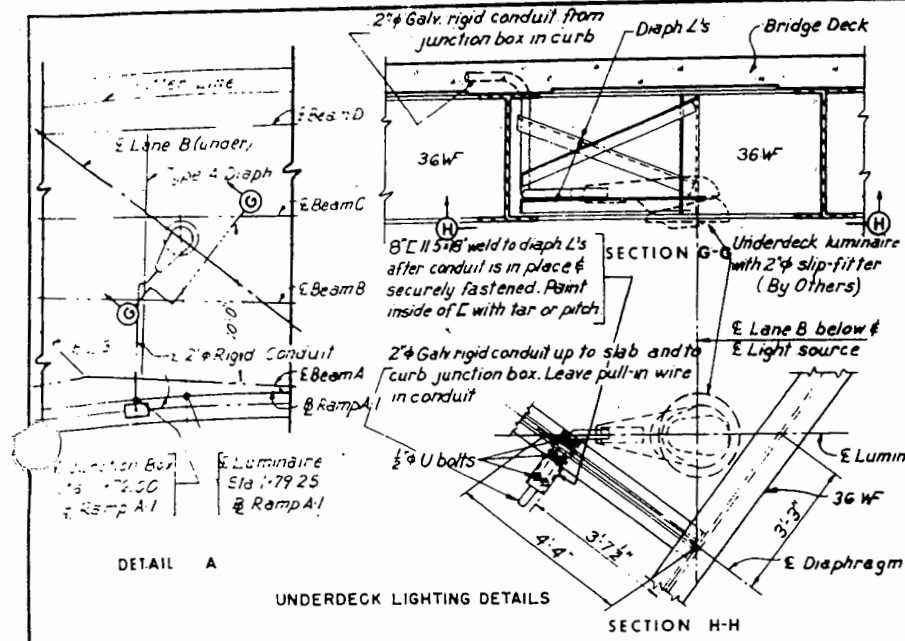
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
SUPERSTRUCTURE DETAILS

F.A.P. R.E. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 23
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



ADDITIONAL REINFORCING AT LIGHT STANDARDS			
MARK	NO	LENGTH	TYPE
462	4	7'-8"	
463	3	7'-8"	

DRAWING REVISED
AS BUILT

**CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS**

**RAMP A-1
LIGHTING AND DRAINAGE DETAILS**

SCALE: _____ HOWARD NEEDLES TAMMEN & BERENSON
MADE: _____ CONSULTING ENGINEERS
TRCD: _____ DATE: _____ PANSAS CITY, MO
CRD: _____ DATE: _____ SHEET 12 OF 24

USER NAME = siphocac	DESIGNED -	REVISED -
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PLOT DATE = 8/6/2018	CHECKED -	REVISED -
	DATE -	REVISED -

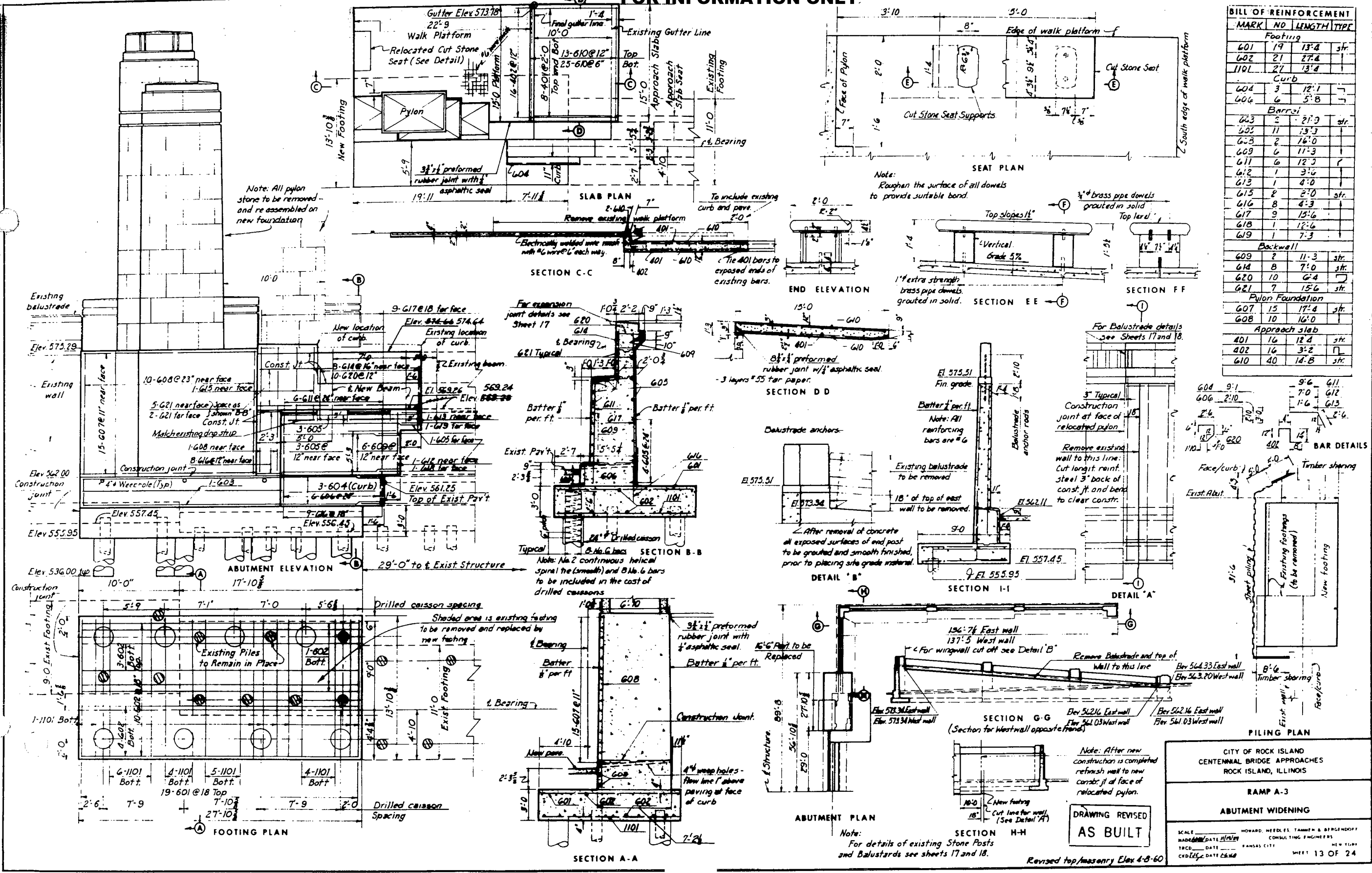
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SN 081-9905
LIGHTING AND DRAINAGE DETAILS**

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

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FOR INFORMATION ONLY.



BILL OF REINFORCEMENT			
MARK	NO	LENGTH	TYPE
Footings			
G01	19	13'-4"	str.
G02	21	27'-4"	
G04	27	13'-4"	
Curb			
G04	3	12'-1"	
G06	6	5'-8"	
Barrel			
G03	5	21'-3"	str.
G03	11	13'-3"	
G03	2	16'-0"	
G09	6	17'-3"	
G11	6	12'-3"	
G12	1	3'-6"	
G13	1	4'-0"	
G15	2	2'-0"	str.
G16	8	4'-3"	
G17	9	15'-6"	
G18	1	12'-6"	
G19	1	7'-3"	
Backwall			
G09	2	11'-3"	str.
G14	8	7'-0"	str.
G20	10	6'-4"	
G21	7	15'-6"	str.
Pylon Foundation			
G07	15	17'-4"	str.
G08	10	16'-0"	
Approach slab			
A01	16	12'-4"	str.
A02	16	3'-2"	str.
A10	40	14'-8"	str.

CITY OF ROCK ISLAND CENTENNIAL BRIDGE APPROACHES ROCK ISLAND, ILLINOIS			
RAMP A-3 ABUTMENT WIDENING			
SCALE	HOWARD, NEEDLES, TAMM & BERGENDOFF CONSULTING ENGINEERS	DATE	NEW YORK
TRCD	PANAS CITY	DATE	NEW YORK
CREDIT	DATE	DATE	NEW YORK
DRAWING REVISED AS BUILT		SHEET 13 OF 24	

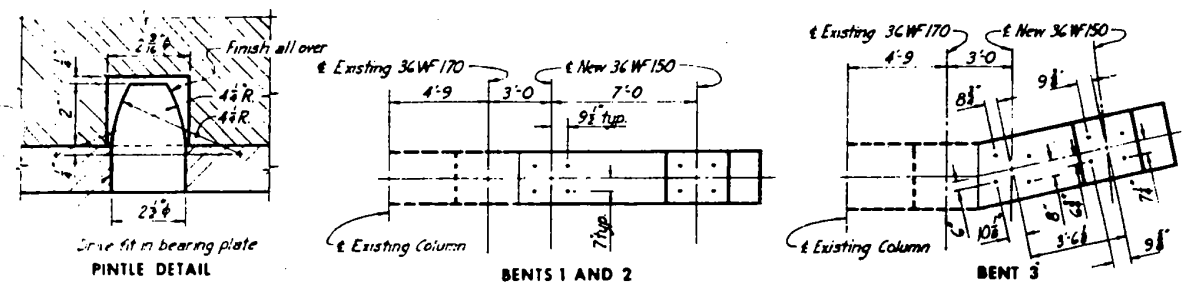
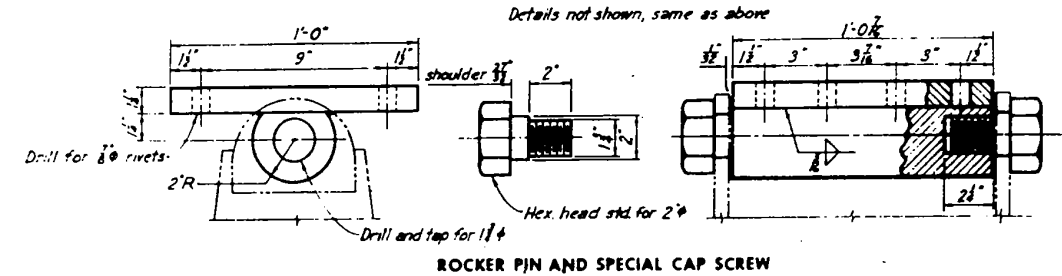
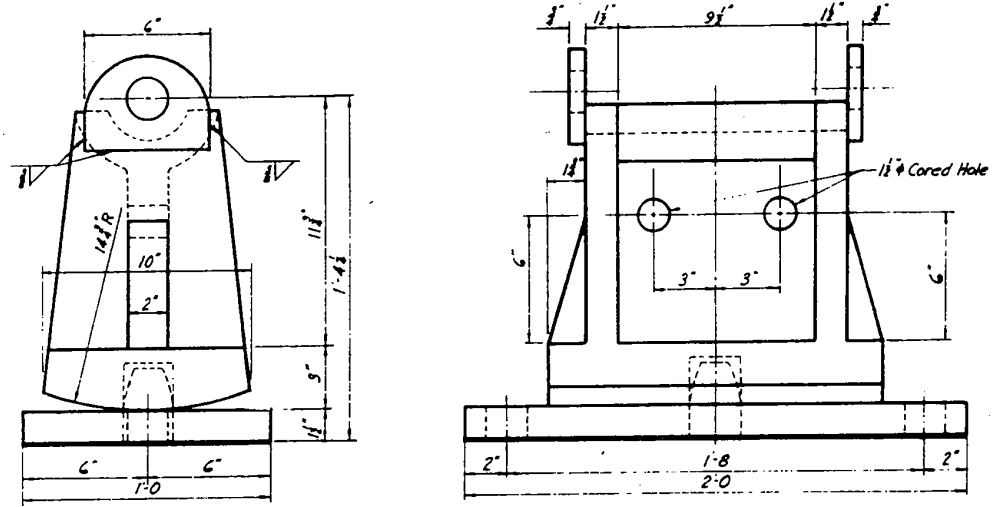
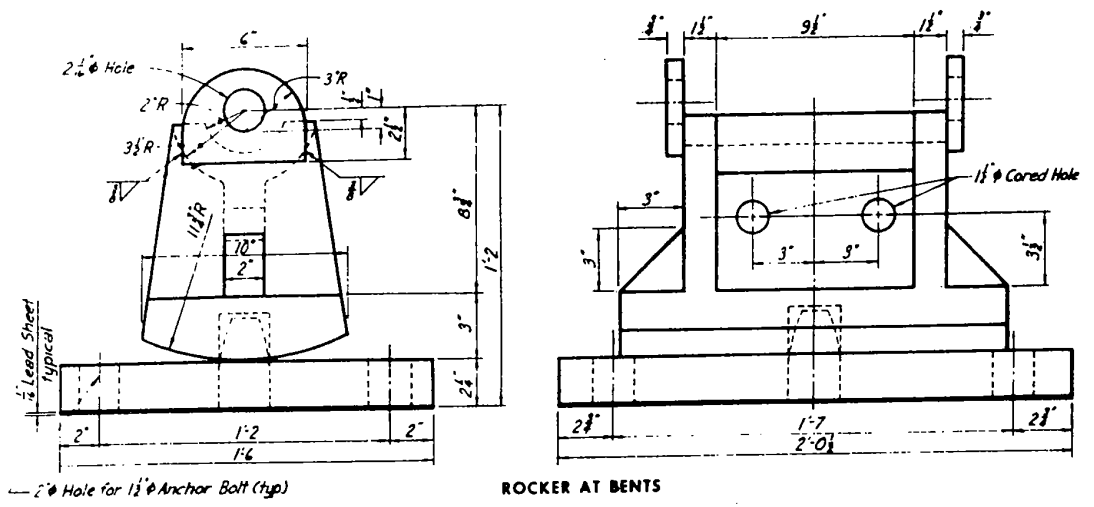
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

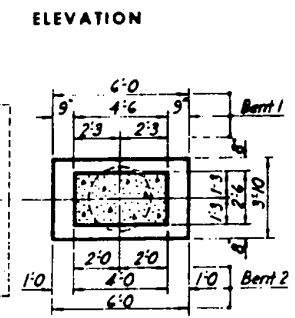
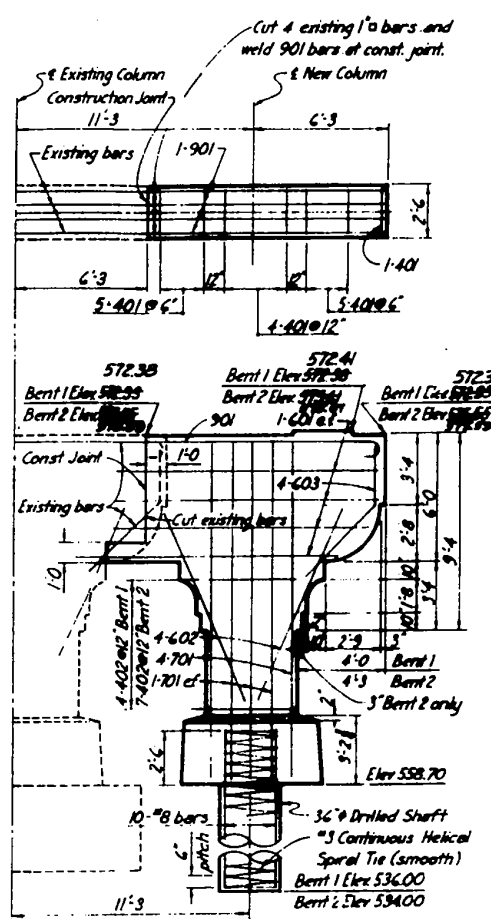
SN 081-9905
ABUTMENT WIDENING

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	25
			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

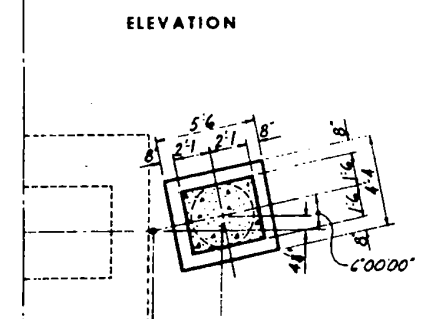
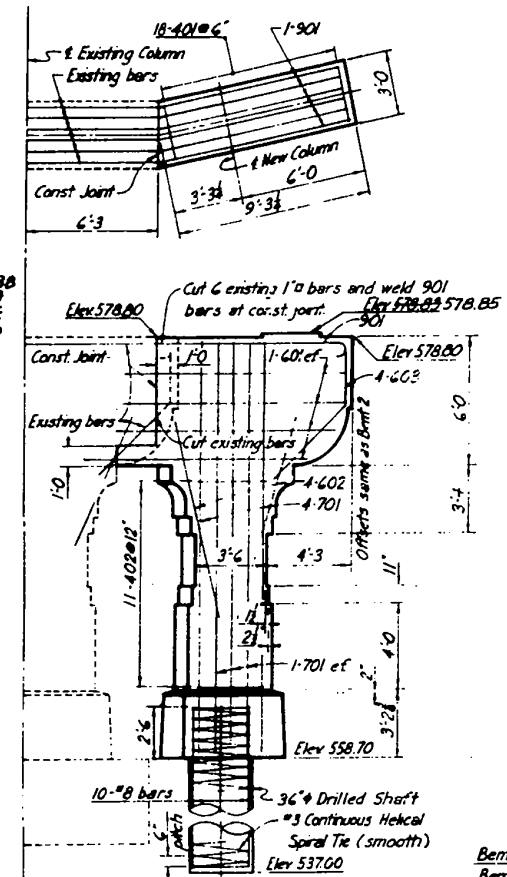
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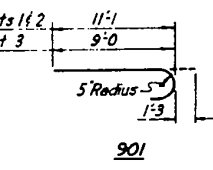
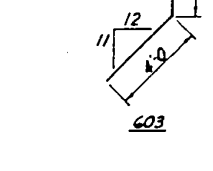
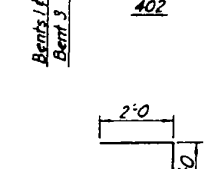
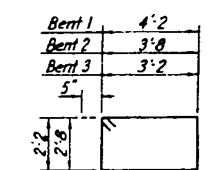
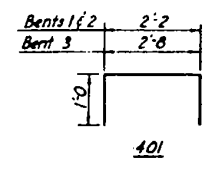
NOTE Concrete pads under shoes shall be in general 6" wider than shoes.



NOTE 401 bars shall be grouted a minimum of 18" into existing concrete.



BENT WIDENING



BILL OF REINFORCEMENT				
Mark	No	Length	Type	
BENT 1				
401	15	4'-2"		
402	4	13'-6"		
601	8	12'-7"	str.	
602	8	7'-0"	str.	
603	4	9'-0"	?	
701	14	13'-0"	str.	
901	4	12'-4"	?	
BENT 2				
401	15	4'-2"		
402	7	12'-4"		
601	8	12'-7"	str.	
602	8	10'-0"	str.	
603	4	9'-0"	?	
701	14	16'-0"	str.	
901	4	12'-4"	?	
BENT 3				
401	18	4'-8"		
402	11	12'-6"		
601	8	10'-9"	str.	
602	8	10'-0"	str.	
603	4	9'-0"	?	
701	14	19'-0"	str.	
901	6	10'-3"	?	

NOTES
Anchor bolts extend into masonry 1'-6" and to have 1 nut and 1-3/4" washer under each nut.
Rockers are to be cast steel, remainder structural steel.
All contact surfaces between moving parts of shoes shall be finished.

Revised top/masonry Elev 4-B-60

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

RAMP A-3
BENT WIDENING AND SHOE DETAILS

SCALE: _____ HOWARD, NEEDLES, TAMMEN & BERGLHOFF
DATE: _____ CONSULTING ENGINEERS
TRCD: _____ DATE: _____ KANSAS CITY NEW YORK
CFO: MDM DATE: 11/1/90 SHEET 14 OF 24

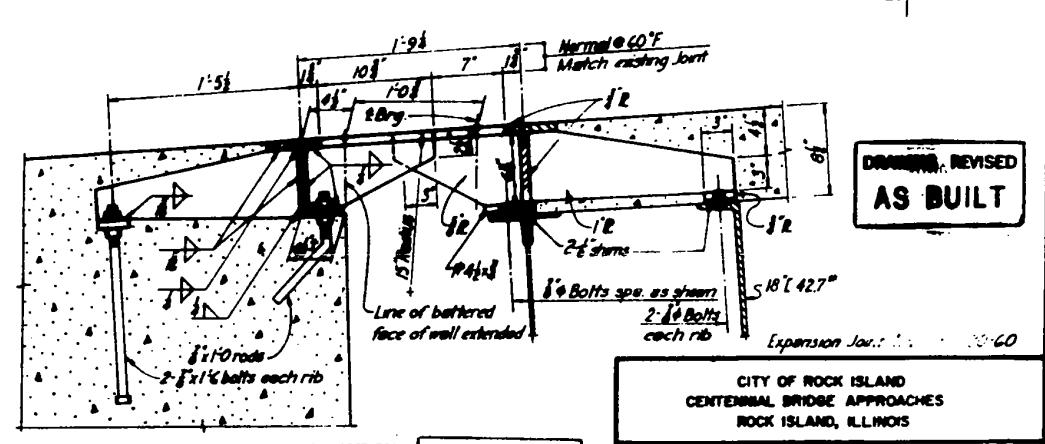
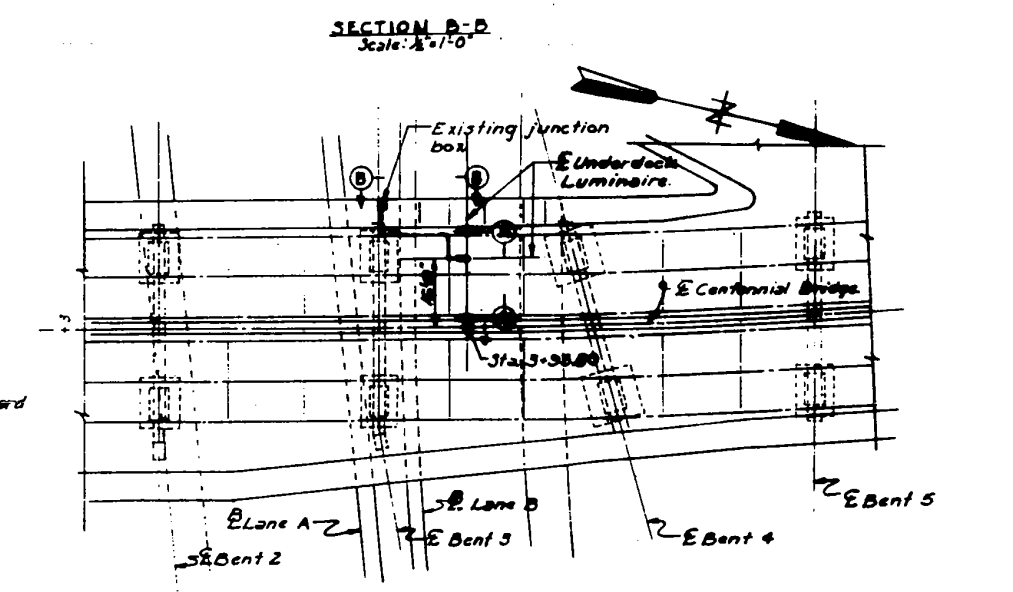
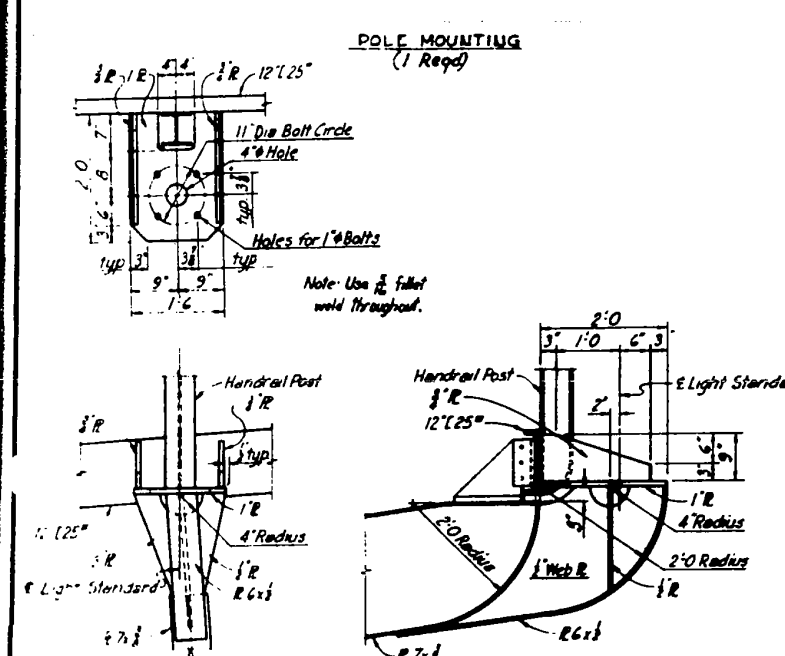
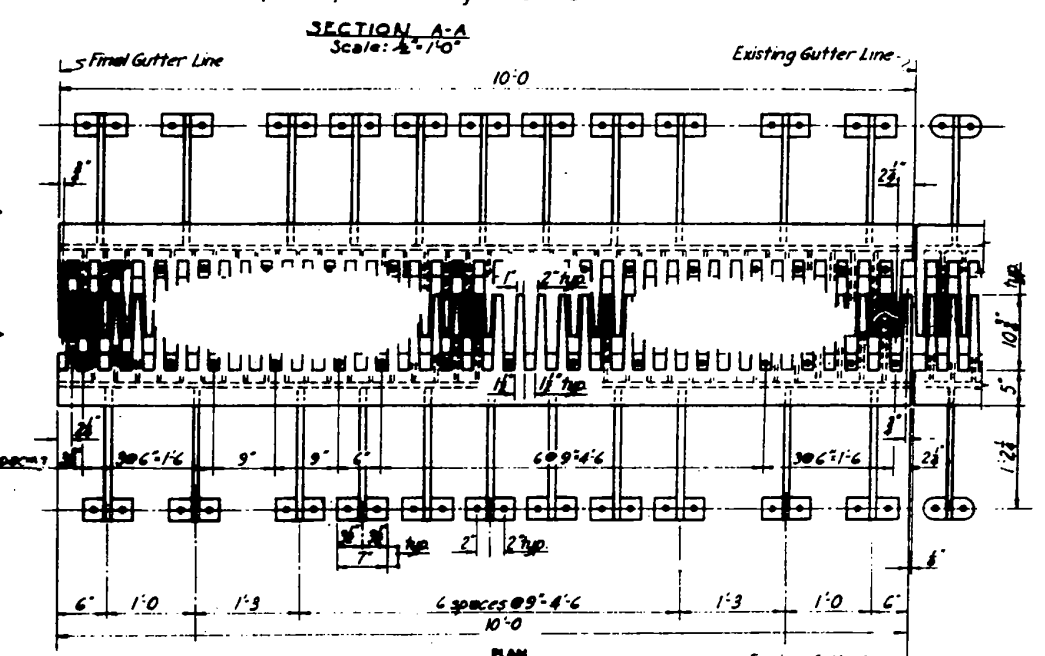
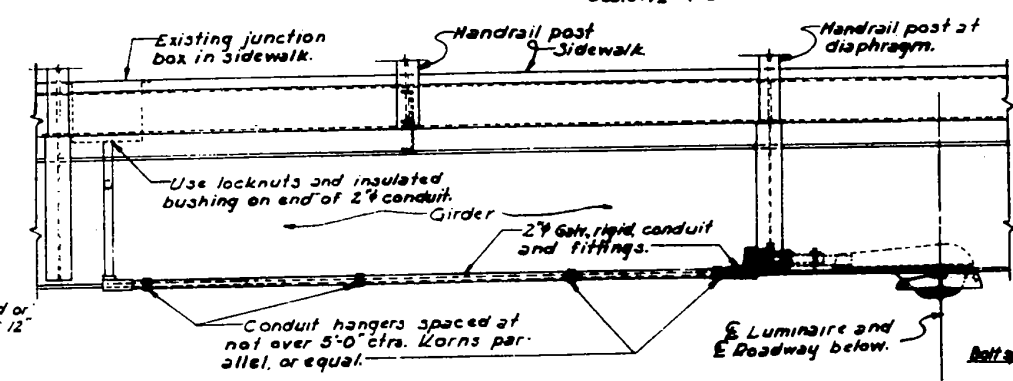
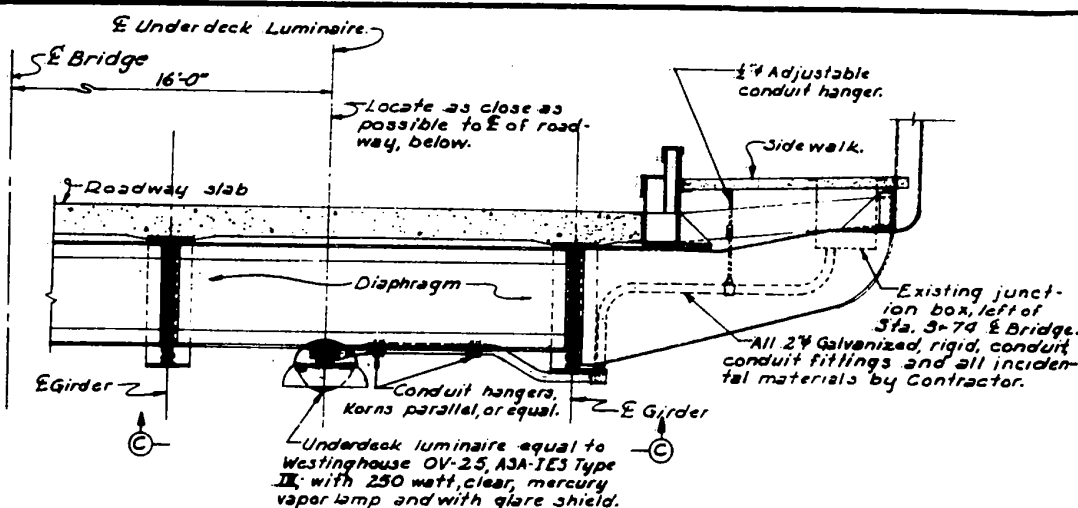
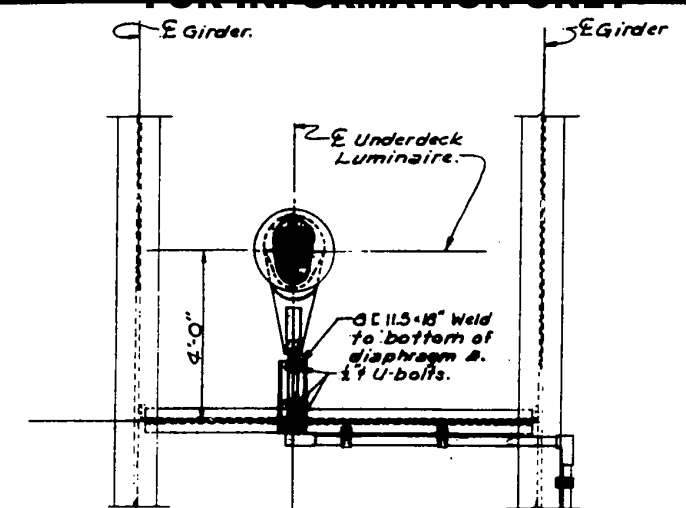
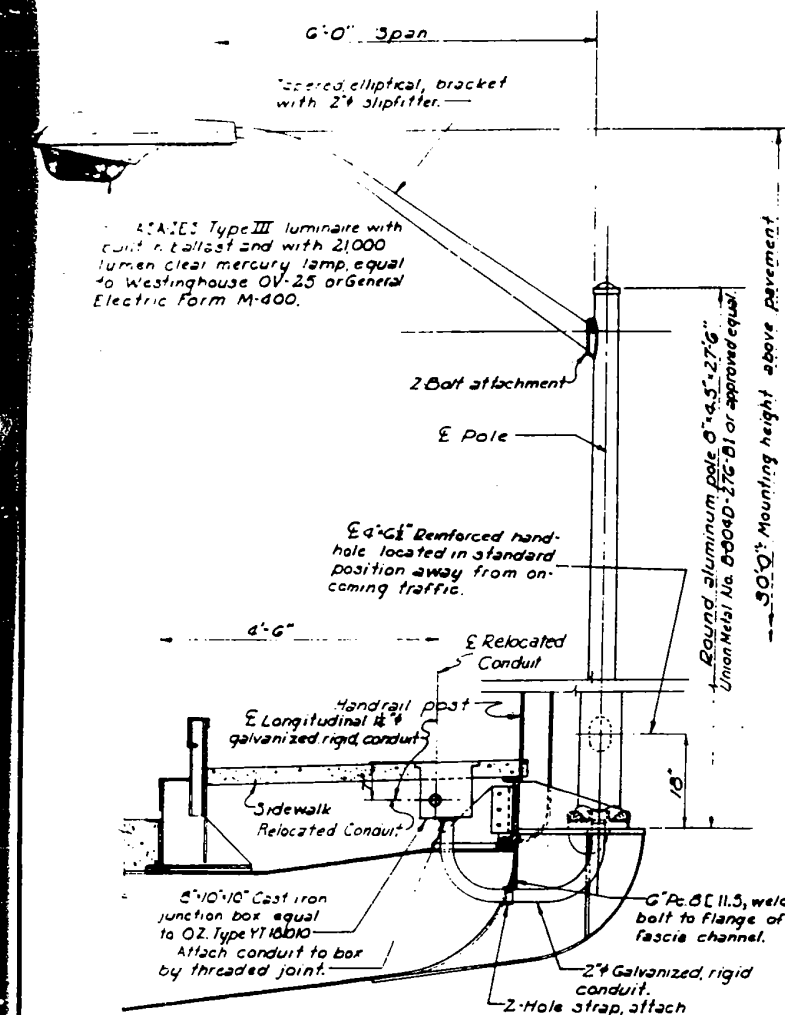
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
BENT WIDENING AND SHOE DETAILS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

FOR INFORMATION ONLY



DRAWING REVISED AS BUILT

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS
RAMP A-3
LIGHTING DETAILS
SCALE: _____ HOWARD, NEEDLE, TAMMEN & BERNDORFF
DRAWN: _____ DATE _____ CONSULTING ENGINEERS
TRACER: _____ DATE _____ ROCK ISLAND, ILLINOIS
CD: B.Z. DATE: 11/16/60 SHEET 16 OF 24

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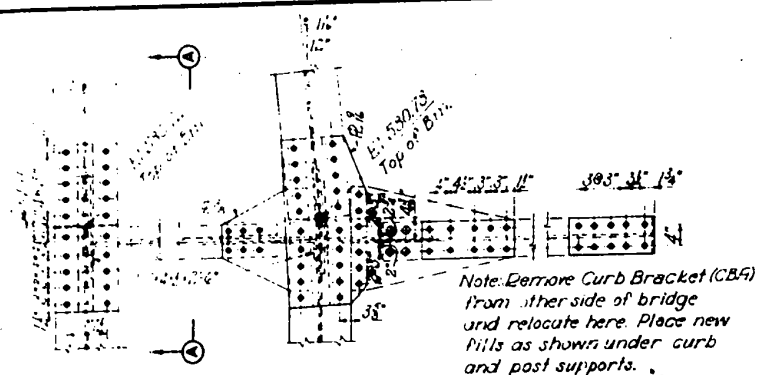
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
LIGHTING DETAILS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 28
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				

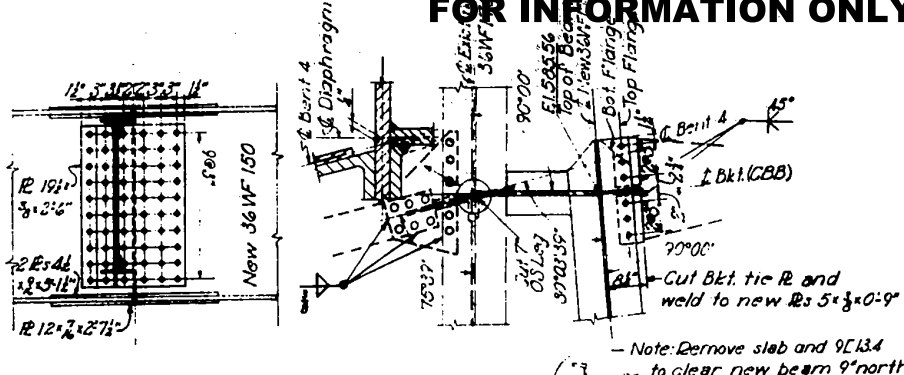
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FOR INFORMATION ONLY



DIAPHRAGM H

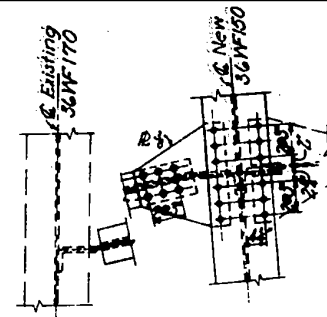
Note: Remove Curb Bracket (CBA) from other side of bridge and relocate here. Place new hills as shown under curb and post supports.



SECTION A-A

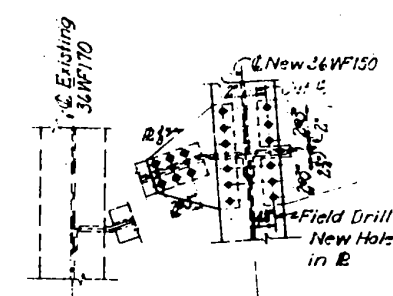
DIAPHRAGM P

Note: Remove slab and 9L134 to clear new beam 9' north and 3'6" south of C. Brg. of existing beam.

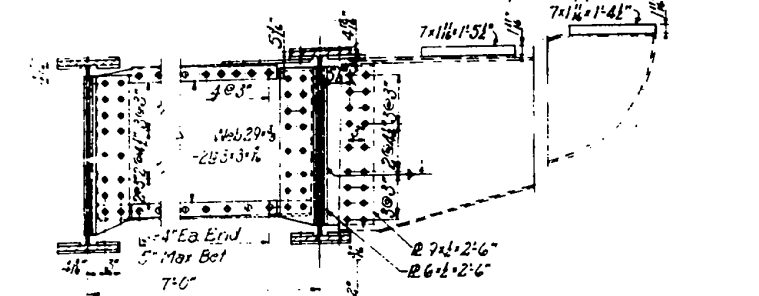


DIAPHRAGM L

Note: Reuse existing curb bracket.

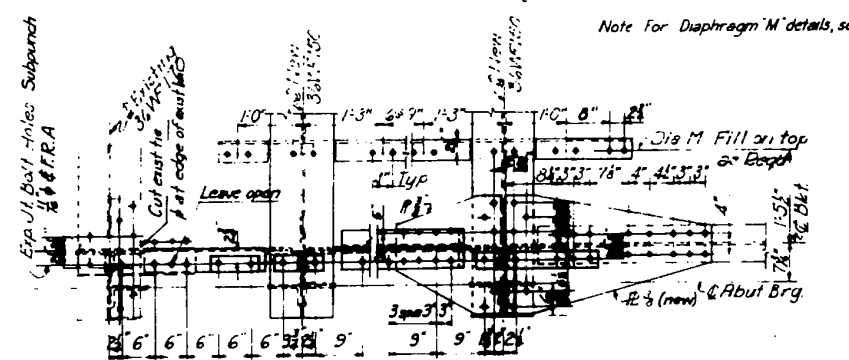


DIAPHRAGM N



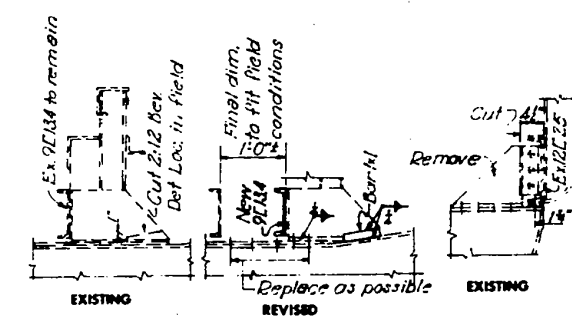
DIAPHRAGM K

Note: Reuse existing Curb Bracket.

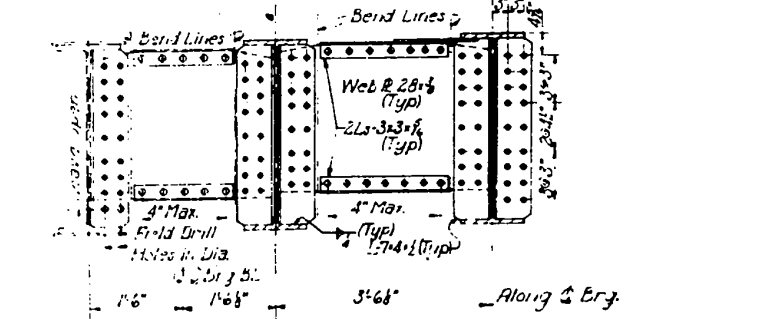
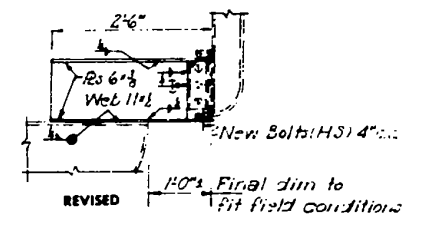


DIAPHRAGM O

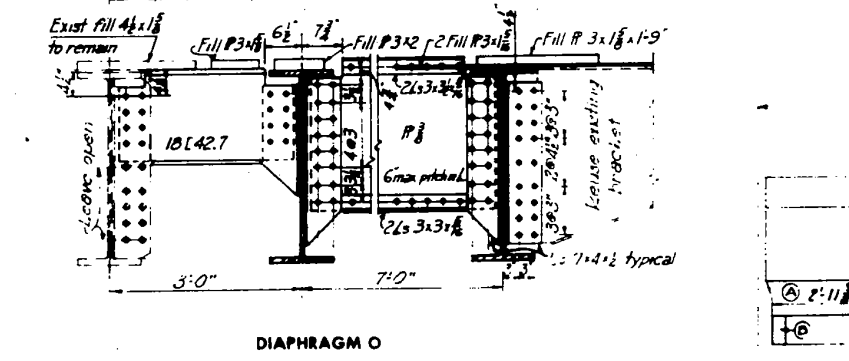
Note For Diaphragm 'M' details, see Sheet K



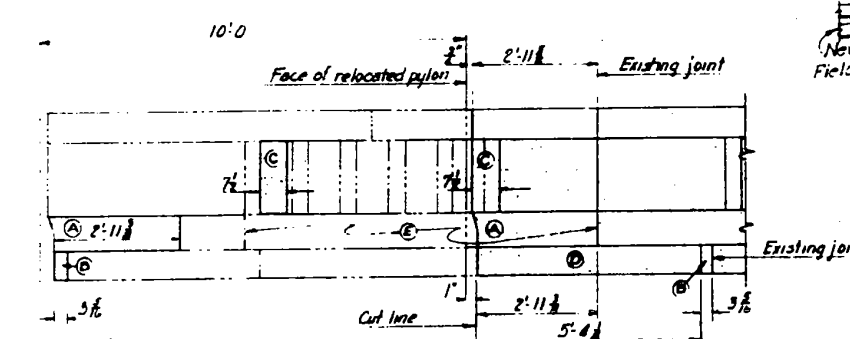
REVISIONS TO CBC



DIAPHRAGM J



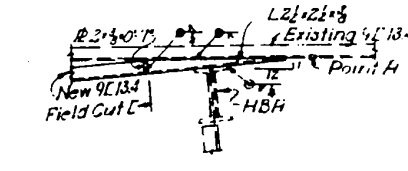
DIAPHRAGM Q



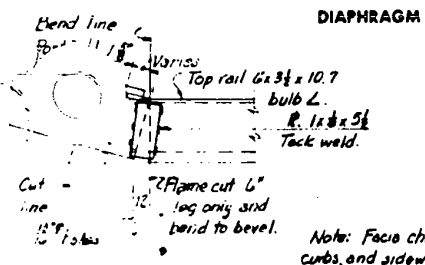
BALUSTRADE DETAILS
(Vicinity of Relocated Pylon)

Note: Remove stone work to indicated cut line, salvage stones indicated A, B, C. Cut stones as damaged. Remove stone E and replace with A. Reconcile stone D and insert stone B. Stone C will fill the gap between top and bottom rails.

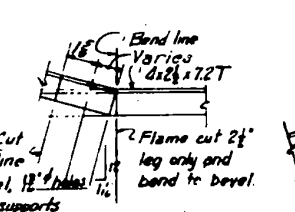
DRAWING REVISED
AS BUILT



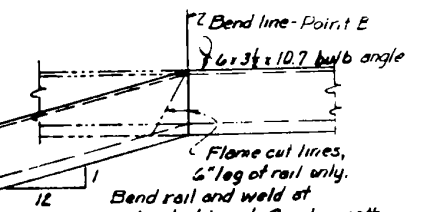
DETAIL 'F'



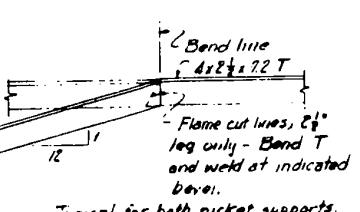
DETAIL 'B'



DETAIL 'C'



DETAIL 'D'



DETAIL 'E'

Revised Diaphragm 4-22-60

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

RAMP A-3
SUPERSTRUCTURE DETAILS

SCALE: HORIZONTAL: AS SHOWN; VERTICAL: 1" = 4'-0"

DATE: 11/16/60
ENGINEER: HOWARD, NEEDLES, TAMMEN & BERGENHOFF
CONSTRUCTING ENGINEERS
NEW YORK

17 OF 24

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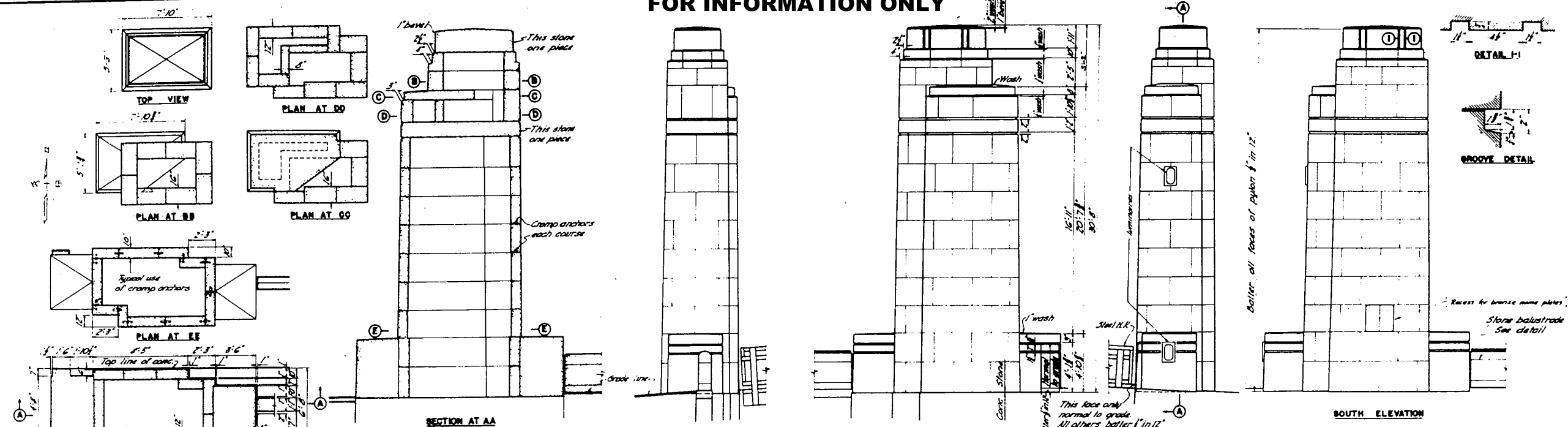
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
SUPERSTRUCTURE DETAILS

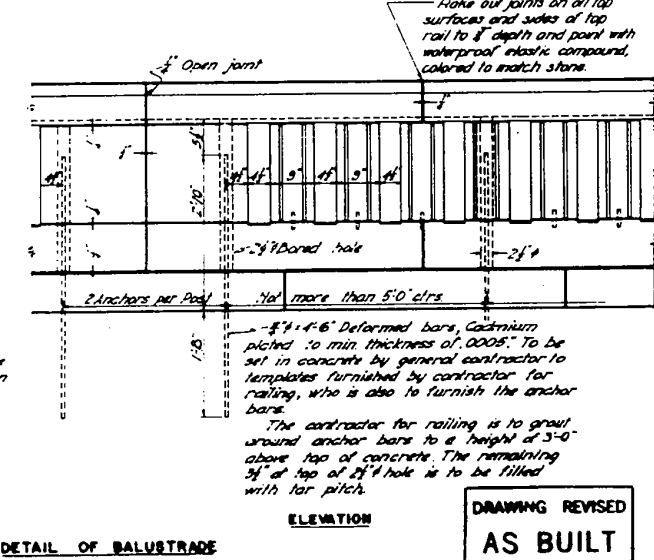
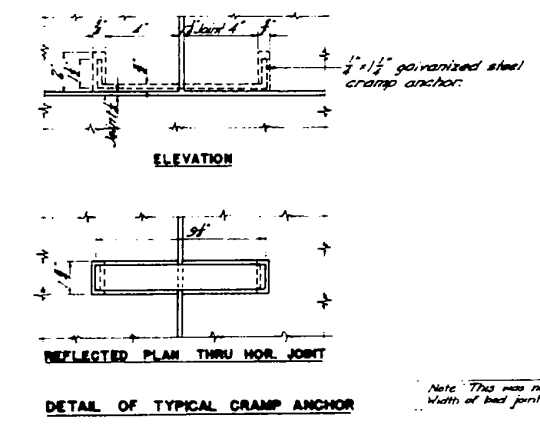
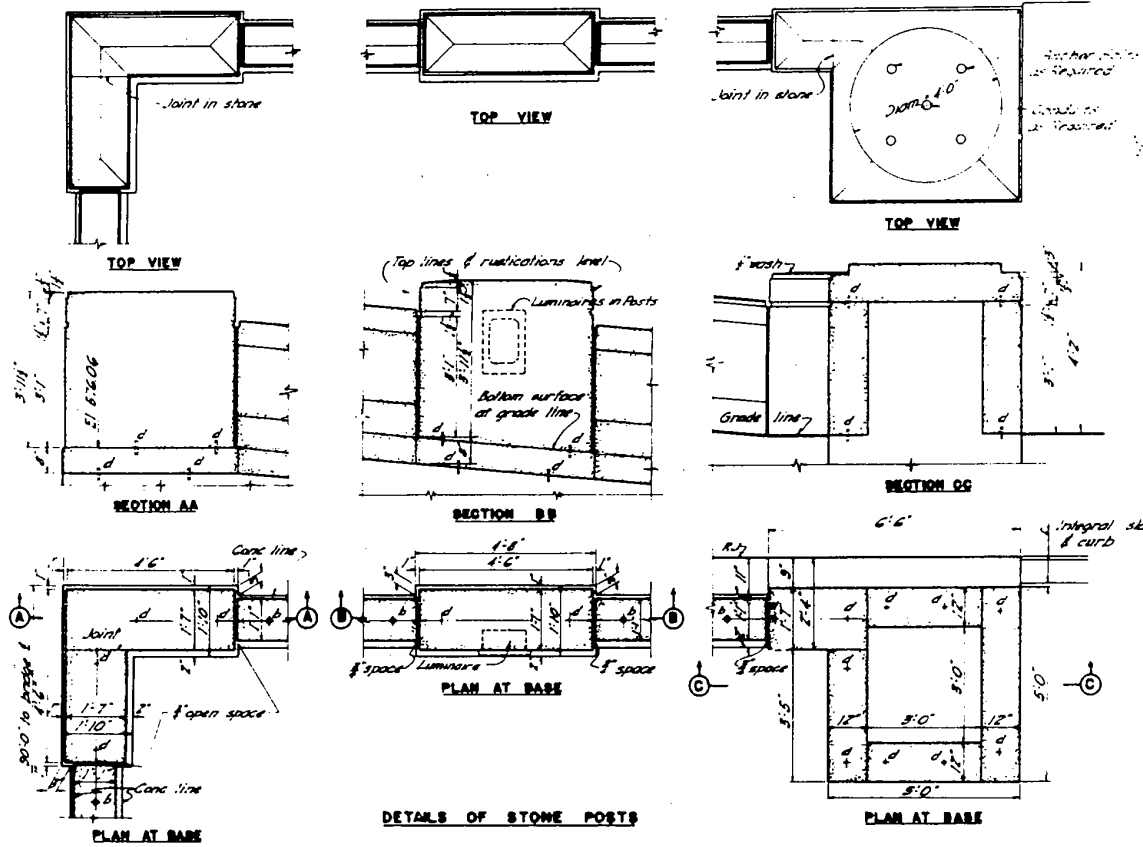
SHEET OF SHEETS

F.A.P. R.E. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

FOR INFORMATION ONLY



PYLON E
PYLON W Same but opposite hand



GENERAL NOTES

MATERIAL: Standard Buff Indiana Limestone of smooth dressed finish showing no tool marks.

JOINTS & MORTAR: All joints shall be 1/2" thick and shall have a minimum depth of 1/2" from the face. Mortar for setting shall be mixed as follows: 1 part non-staining cement to 3 parts clean white sand and 1 part hydrated lime. All joints shall be raked out 1/2" and pointed up with mortar of the following mixture: 1 part non-staining cement to 2 parts clean white sand to which shall be added sufficient hydrated lime to make as stiff a mixture as can be worked.

CRAMP ANCHORS: Each stone, except the cap stones, shall be cramp anchored to both adjoining stones using a 1/2" x 1/2" galvanized steel anchor with ends turned up in the stone slot as detailed. Stone shall be cut to receive anchors as detailed. Slot for anchor ends shall be filled with mortar just before setting stone down on the cramp anchors.

CONCRETE & ANCHORS: The letter 'd' used in details indicates position of 1/2" x 1/2" brass pipe dowels as described in Typical Elevation of Balustrade.

The letter 'b' indicates position of 1/2" x 1/2" anchor bars as described in same detail.

GENERAL: No holes (Lewis or otherwise) used for handling the stone shall be cut within 2" of exposed faces of stone.

Contractor for stone balustrade shall be responsible for the correctness of slopes at base of balustrade. Bottom surface of 8" retaining wall cap stone shall be cut to 1/4" the top surface of concrete as left by others regardless of whether or not that surface is true to the line shown in elevations.

Contractor for balustrade shall furnish to contractor for concrete wall all anchor bars and dowels as required by these drawings to fasten stone to concrete, and shall also provide templates for setting same.

Contractor for railing and pylons shall make provision for placing all R.F.C. conduits, etc. across any for lighting equipment.

CITY OF ROCK ISLAND
CENTENNIAL BRIDGE APPROACHES
ROCK ISLAND, ILLINOIS

PYLON DETAILS

SCALE: HORIZONTAL: AS SHOWN; VERTICAL: AS SHOWN

DATE: 1-12-60

ENGINEERS: HOWARD NEEDLES TAMMEN & BERGENCOFF
CONSULTING ENGINEERS
NEW YORK

DATE: 1-12-60

NO. 18 OF 24

DRAWING REVISED
AS BUILT

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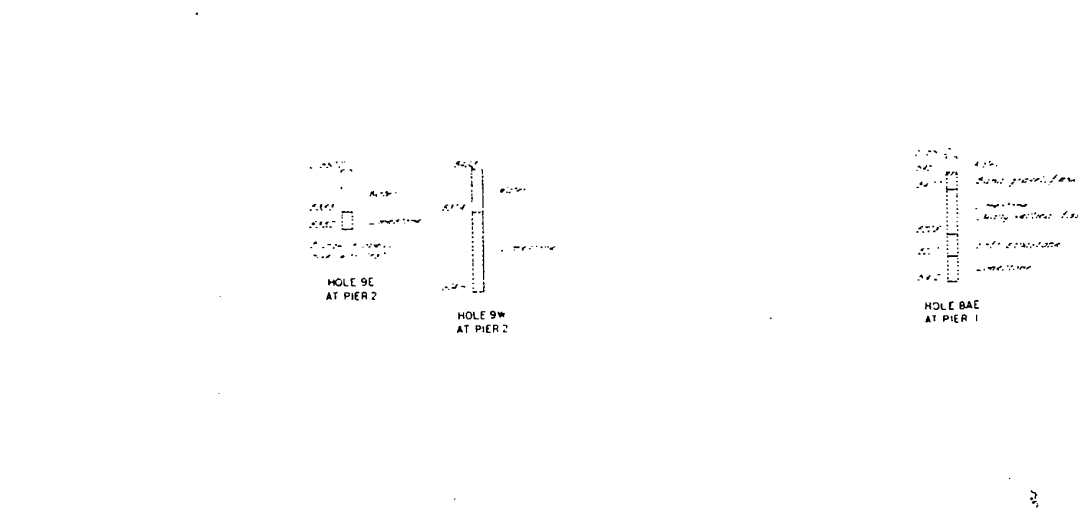
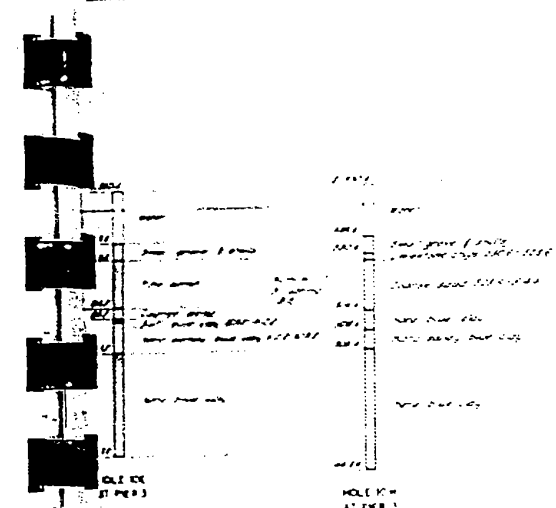
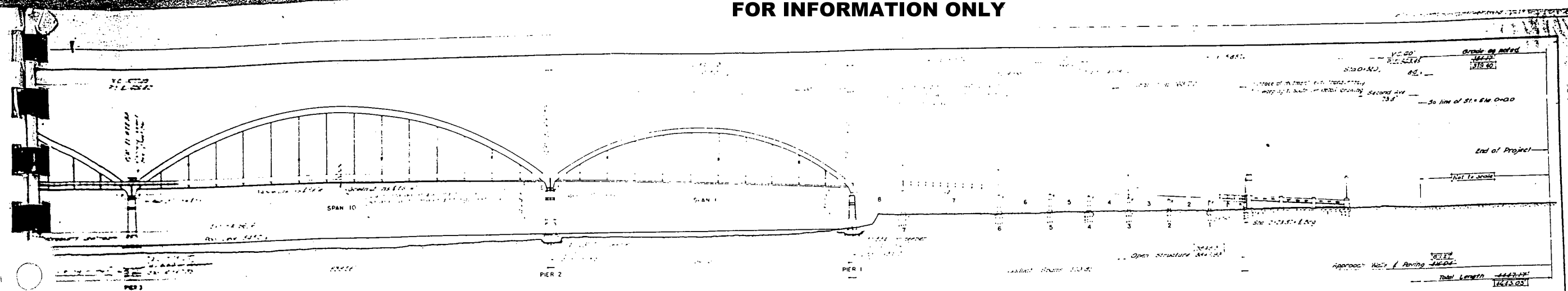
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	DRAWN -	REVISED -
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
PYLON DETAILS
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 30
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



GENERAL NOTES

1. SPECIFICATIONS AASHTO except as modified. (a) Reinforced Concrete Slab Design, U.S. Bur. Pub. Roads, Journal of Highway Research, Vol. 18, No. 2. (b) Steel Structures: Standard Specification, AISC 1989 Spec. for Steel Buildings.

2. Reinforcing Steel in Tension 10000 PSI.

3. 20-Ton Truck per ft. same spaced symmetrically in lanes.

4. For Arches, Girders, Substructure, and all other parts of the structure use this Equivalent Loading except that in cases where the 20-Ton Truck loading will give greater stresses, it shall be used.

5. For (1) and (2) for 2 lanes loaded 100%, 3 lanes 85%, and 4 lanes 75% of above loading.

6. For subdeck loading see 1938 AASHTO Specifications.

7. Impact 60% for End Floorbeams.

8. Wind: 25 psf on roof and 30 psf on windward side of structure.

9. Lateral Forces: Wind 15 psf on roof and 30 psf on windward side of structure. Force of 200 psf on ft. on due to moving load with wind on same included.

10. Allow 30% increased stresses for full dead load of arch ribs at points provided.

11. Terminal Reinforcement Bars are tabulated on Sheet 10.

LIGHTING LEGEND:

1. Archway top on river side of bridge.

2. Archway top on land side of bridge.

3. Archway top on both ends of bridge.

4. Decked top on pylons etc. - bridge.

5. Substructure top on pylons etc. - bridge.

6. Substructure top on pylons etc. - bridge.

7. Substructure top on pylons etc. - bridge.

8. Substructure top on pylons etc. - bridge.

9. Substructure top on pylons etc. - bridge.

10. Substructure top on pylons etc. - bridge.

11. Substructure top on pylons etc. - bridge.

12. Substructure top on pylons etc. - bridge.

13. Substructure top on pylons etc. - bridge.

14. Substructure top on pylons etc. - bridge.

15. Substructure top on pylons etc. - bridge.

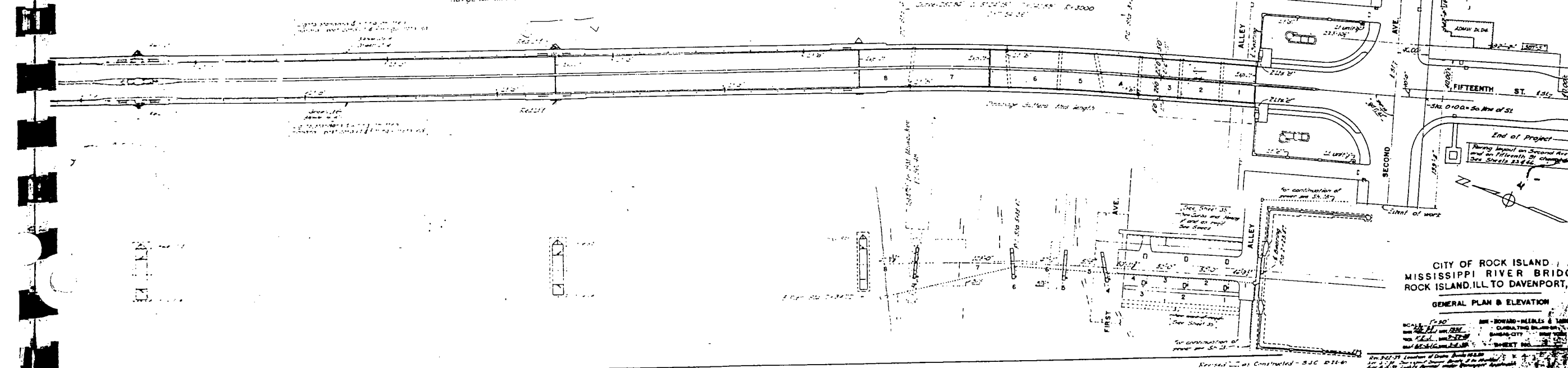
16. Substructure top on pylons etc. - bridge.

17. Substructure top on pylons etc. - bridge.

18. Substructure top on pylons etc. - bridge.

19. Substructure top on pylons etc. - bridge.

20. Substructure top on pylons etc. - bridge.



CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL. TO DAVENPORT, IA
GENERAL PLAN & ELEVATION
SCALE: 1" = 20'
DESIGNED BY: [Name]
DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: [Date]

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PLOT DATE = 8/6/2018	DATE -	REVISED -

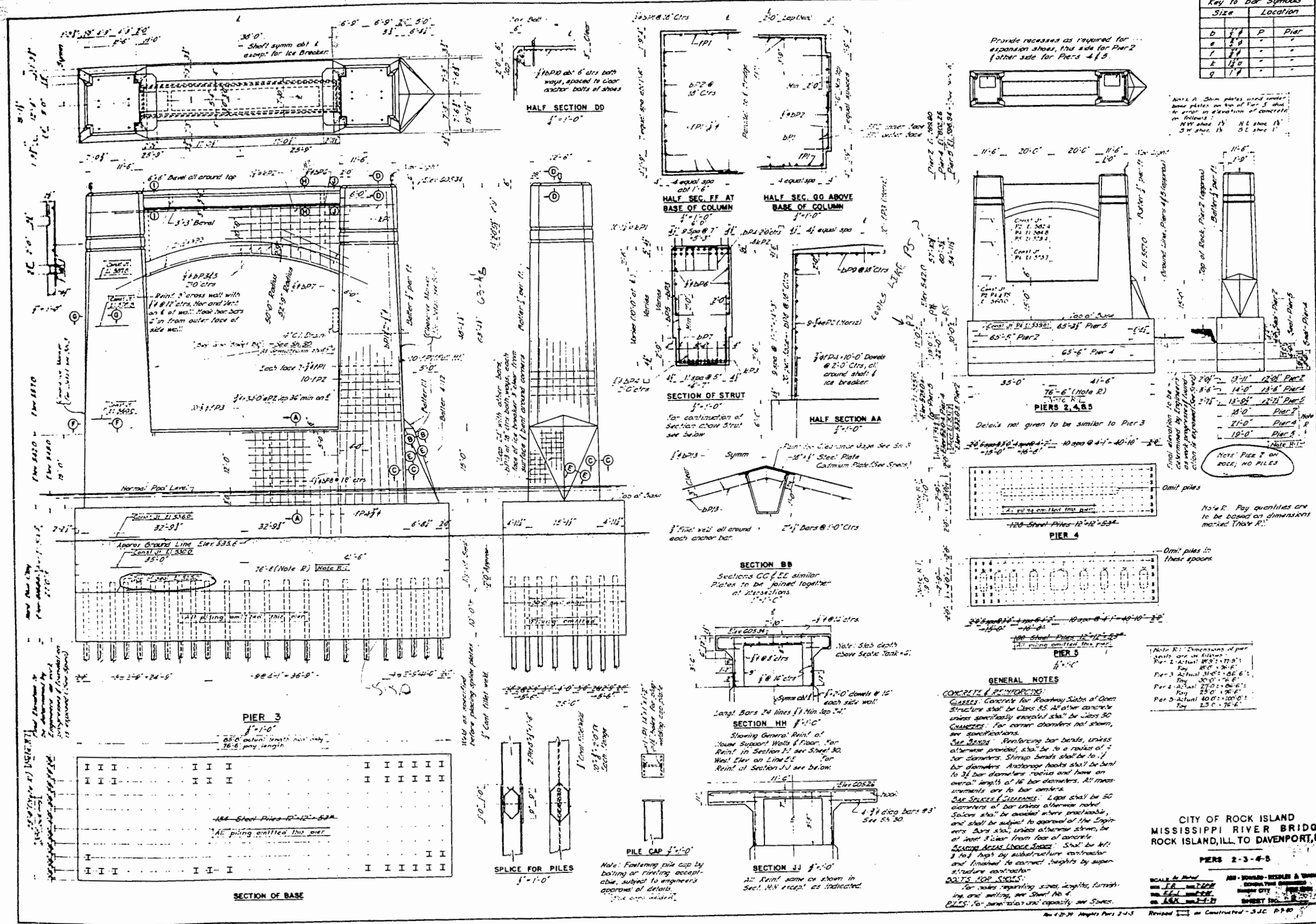
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
GENERAL PLAN & ELEVATION
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 31
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

Key to Bar Symbols	SIZE	LOCATION
D	1/2"	Pier
E	3/8"	"
F	1/4"	"
G	1/8"	"



USER NAME = siphocac	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/6/2018	DATE -	REVISED -

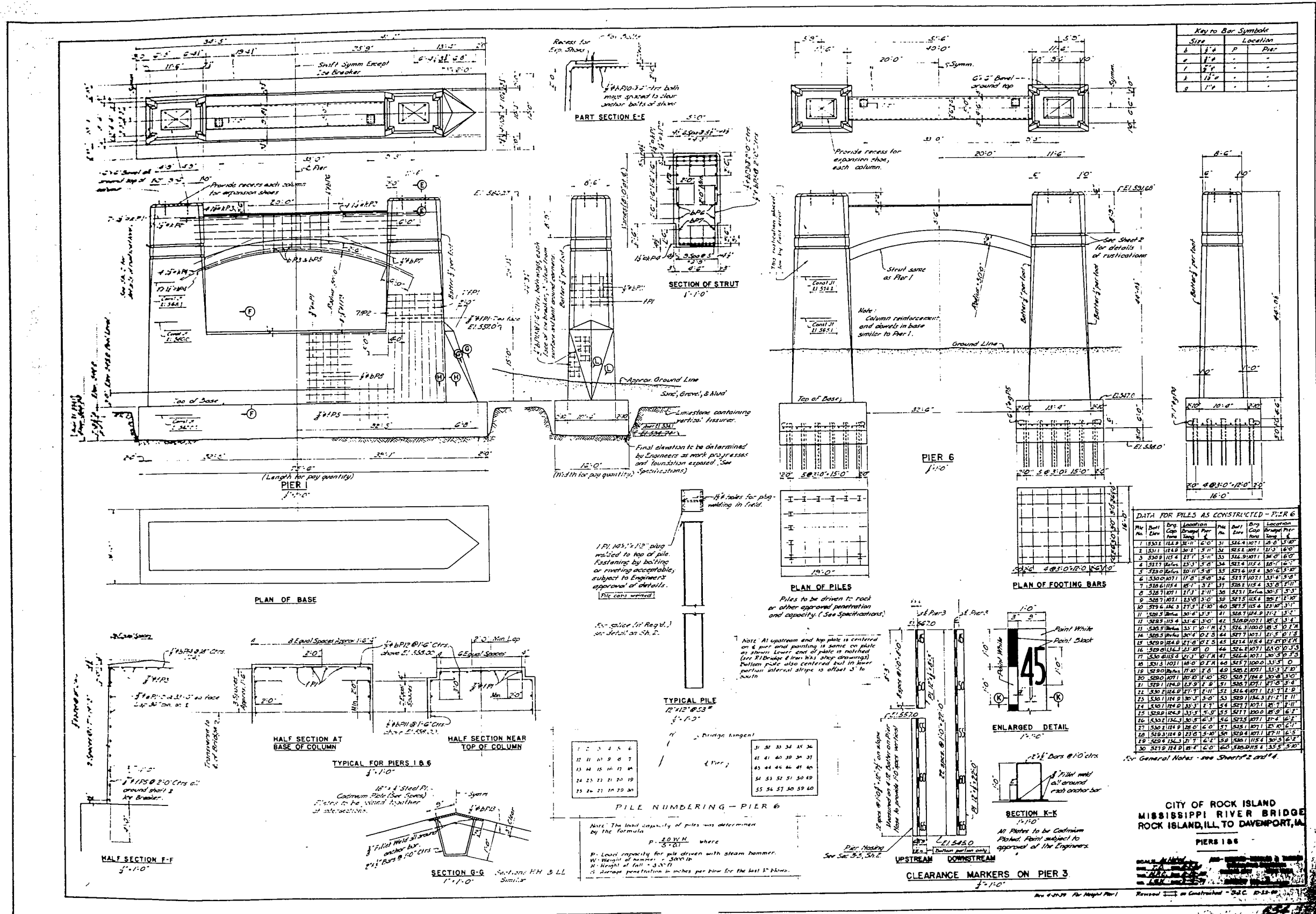
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
PIERS 2-3-4-5

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 32
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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Key to Bar Symbols

Size	P	Location	Pier
1/2"	-	-	-
3/8"	-	-	-
1/4"	-	-	-
1/8"	-	-	-

DATA FOR PILES AS CONSTRUCTED - PIER 6

No.	Dist. from Cap	Dist. from Top of Pier	Location	No.	Dist. from Cap	Dist. from Top of Pier	Location
1	1532	114.8	31-11	31	524.9	107.1	31-0
2	1531	114.8	31-11	32	524.9	107.1	31-0
3	530.9	115.4	27-7	33	524.9	107.1	31-0
4	527.7	115.4	27-7	34	524.9	107.1	31-0
5	524.5	115.4	27-7	35	524.9	107.1	31-0
6	521.3	115.4	27-7	36	524.9	107.1	31-0
7	518.1	115.4	27-7	37	524.9	107.1	31-0
8	514.9	115.4	27-7	38	524.9	107.1	31-0
9	511.7	115.4	27-7	39	524.9	107.1	31-0
10	508.5	115.4	27-7	40	524.9	107.1	31-0
11	505.3	115.4	27-7	41	524.9	107.1	31-0
12	502.1	115.4	27-7	42	524.9	107.1	31-0
13	498.9	115.4	27-7	43	524.9	107.1	31-0
14	495.7	115.4	27-7	44	524.9	107.1	31-0
15	492.5	115.4	27-7	45	524.9	107.1	31-0
16	489.3	115.4	27-7	46	524.9	107.1	31-0
17	486.1	115.4	27-7	47	524.9	107.1	31-0
18	482.9	115.4	27-7	48	524.9	107.1	31-0
19	479.7	115.4	27-7	49	524.9	107.1	31-0
20	476.5	115.4	27-7	50	524.9	107.1	31-0
21	473.3	115.4	27-7	51	524.9	107.1	31-0
22	470.1	115.4	27-7	52	524.9	107.1	31-0
23	466.9	115.4	27-7	53	524.9	107.1	31-0
24	463.7	115.4	27-7	54	524.9	107.1	31-0
25	460.5	115.4	27-7	55	524.9	107.1	31-0
26	457.3	115.4	27-7	56	524.9	107.1	31-0
27	454.1	115.4	27-7	57	524.9	107.1	31-0
28	450.9	115.4	27-7	58	524.9	107.1	31-0
29	447.7	115.4	27-7	59	524.9	107.1	31-0
30	444.5	115.4	27-7	60	524.9	107.1	31-0

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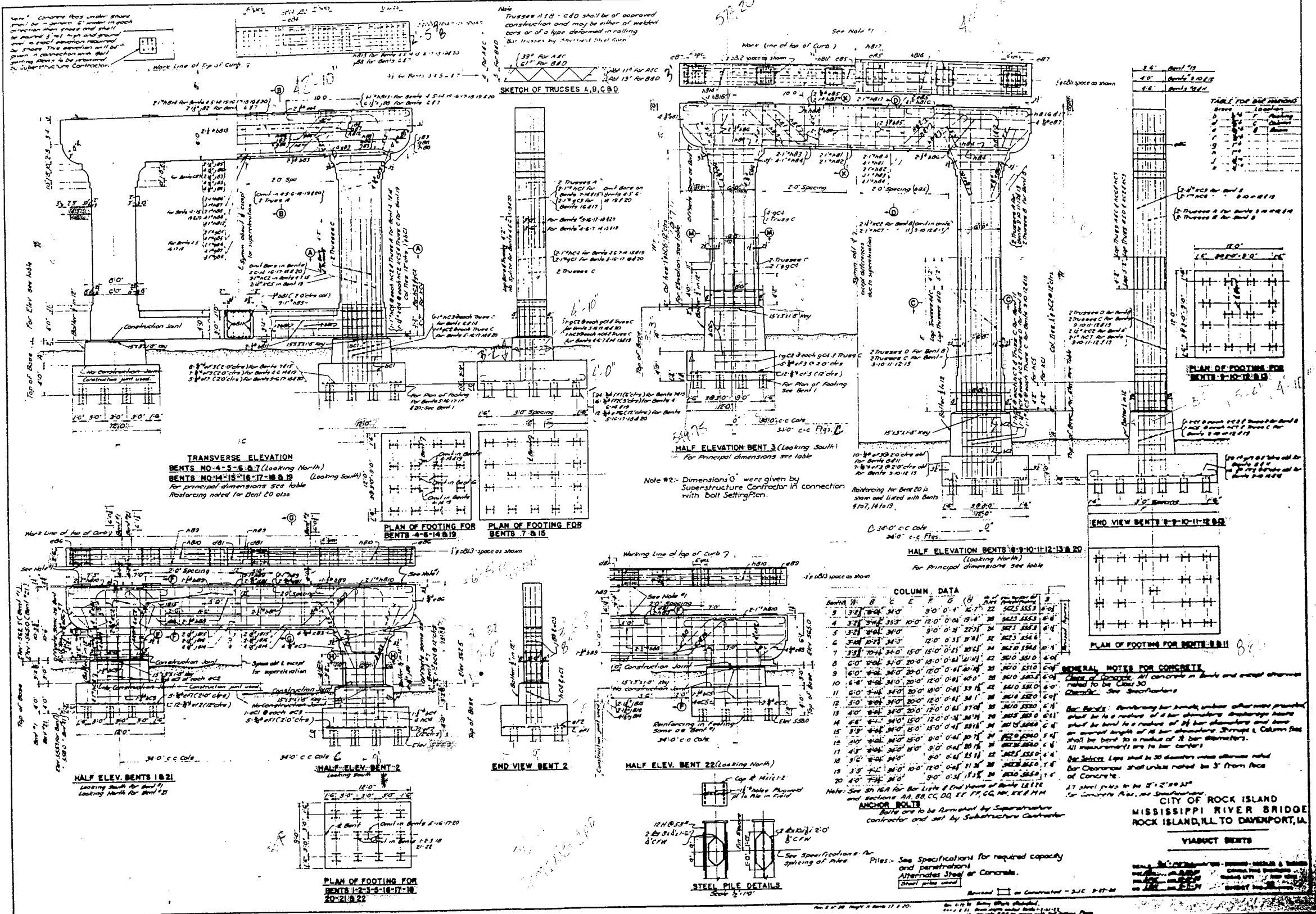
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
PIERS 1 & 6

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 33
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
VIADUCT BENTS

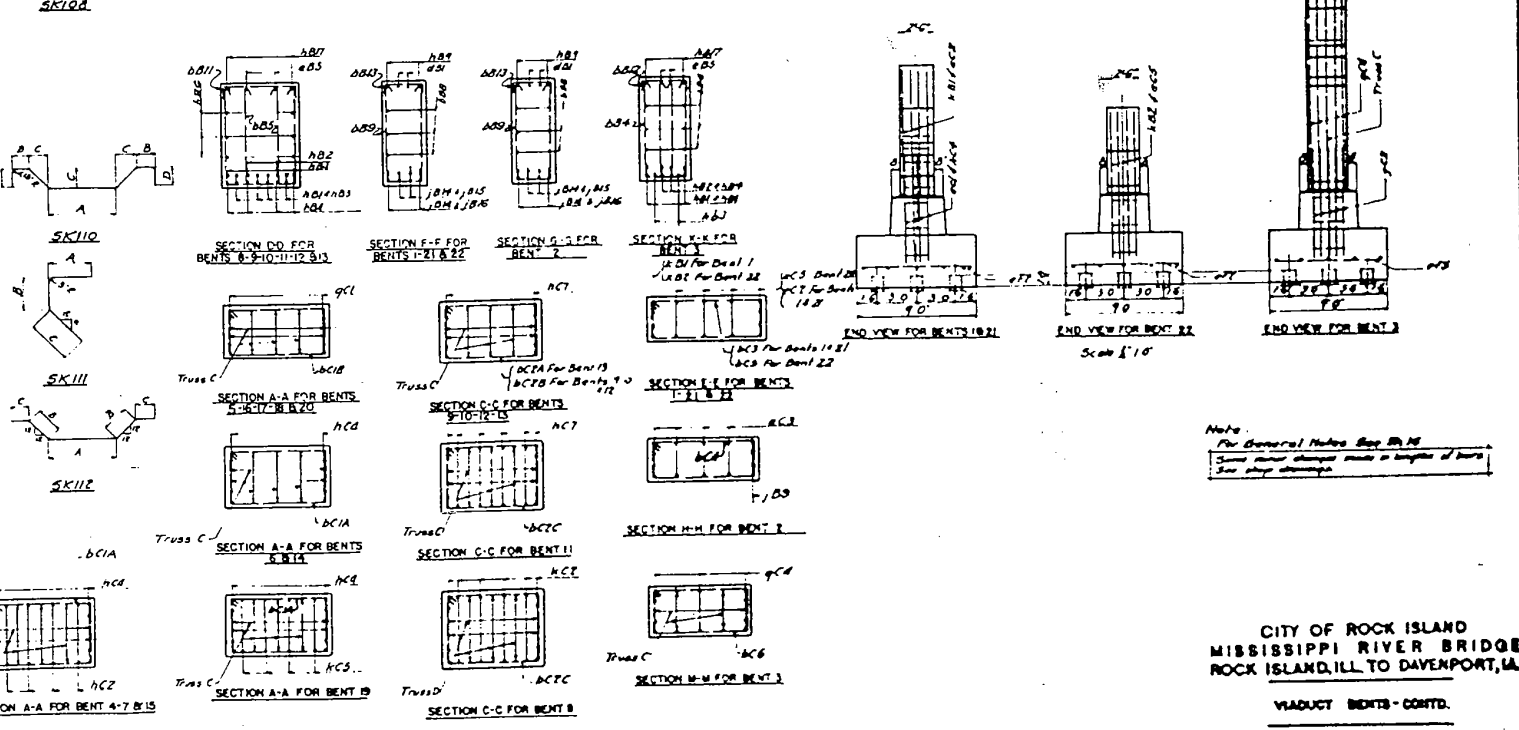
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

BAR MARK	No. of Bars Required per Bent										DIMENSIONS	TYPE	REMARKS		
	1	2	3	4	5	6	7	8	9	10					
BB1A	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1B	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1C	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1D	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1E	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1F	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1G	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1H	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1I	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1J	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1K	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1L	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1M	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1N	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1O	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1P	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1Q	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1R	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1S	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1T	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1U	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1V	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1W	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1X	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1Y	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB1Z	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	

BAR MARK	No. of Bars Required per Bent										DIMENSIONS	TYPE	REMARKS		
	1	2	3	4	5	6	7	8	9	10					
BB2A	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2B	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2C	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2D	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2E	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2F	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2G	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2H	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2I	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2J	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2K	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2L	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2M	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2N	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2O	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2P	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2Q	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2R	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2S	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2T	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2U	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2V	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2W	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2X	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2Y	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB2Z	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	

BAR MARK	No. of Bars Required per Bent										DIMENSIONS	TYPE	REMARKS		
	1	2	3	4	5	6	7	8	9	10					
BB3A	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3B	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3C	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3D	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3E	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3F	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3G	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3H	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3I	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3J	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3K	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3L	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3M	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3N	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3O	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3P	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3Q	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3R	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3S	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3T	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3U	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3V	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3W	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3X	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3Y	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	
BB3Z	20	20	20	20	20	20	20	20	20	20	9'7"	10'10"	10'	108	



Note: For Plan and Elevation of Bents see SK 16

CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL. TO DAVENPORT, IA.

VIADUCT BENTS - CONT'D.

SCALE: 1/4" = 1'-0"

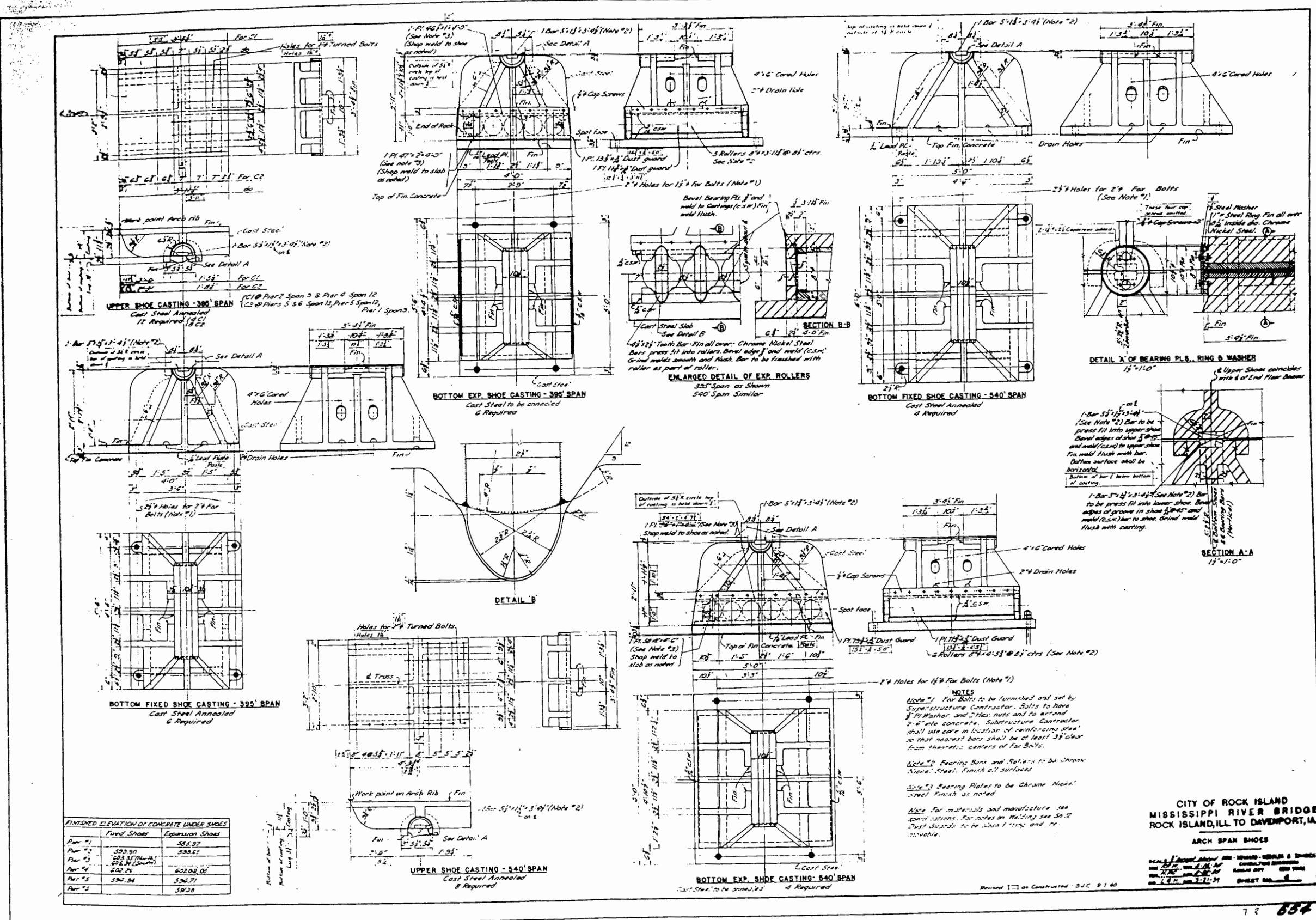
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DATE: [Date]

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FOR INFORMATION ONLY



NOTES
 Note #1: For Bolts to be furnished and set by Superstructure Contractor. Bolts to have 3/4" Pl Washer and 2 Hex nuts and to extend 2'-6" into concrete. Substructure Contractor shall use care in location of reinforcing steel so that nearest bars shall be at least 3" clear from theoretical centers of For Bolts.
 Note #2: Bearing Base and Rollers to be Chrome Nickel Steel. Finish all surfaces.
 Note #3: Bearing Plates to be Chrome Nickel Steel. Finish as noted.
 Note: For materials and manufacture see special instructions. For notes on Welding see S.O.S. Dust Shields to be about 1000 and re-movable.

CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL TO DAVENPORT, IA
ARCH SPAN SHOES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 ARCH SPAN SHOES
 SHEET OF SHEETS

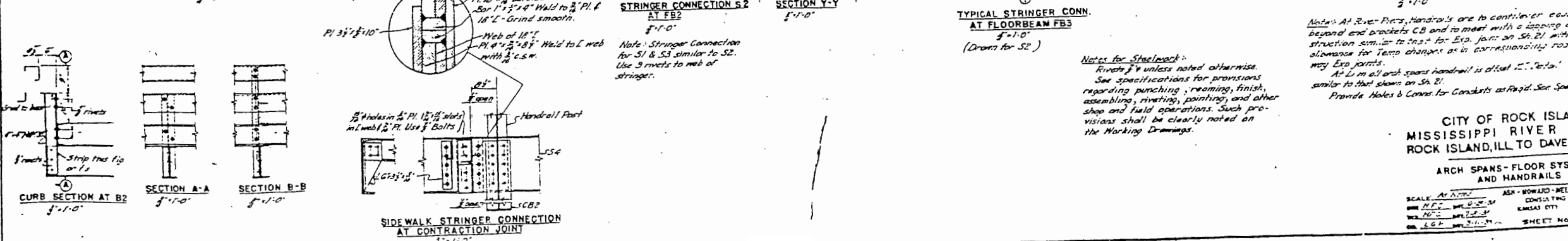
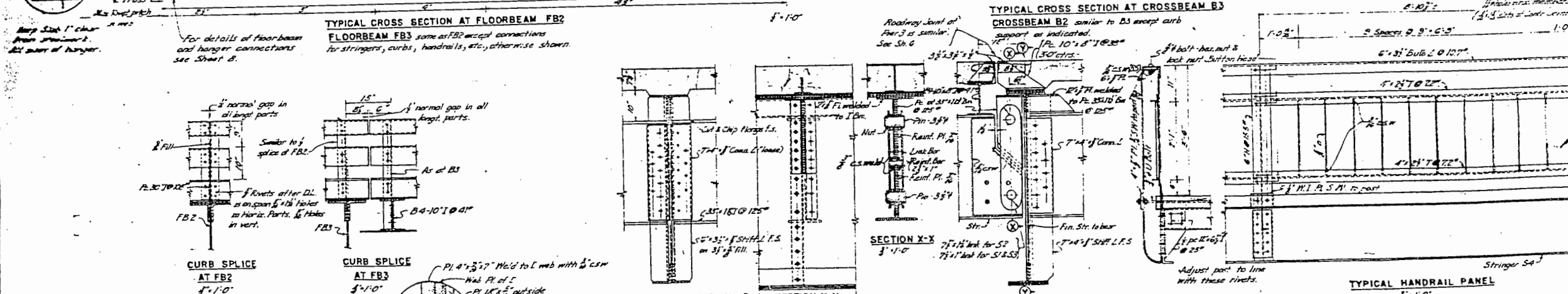
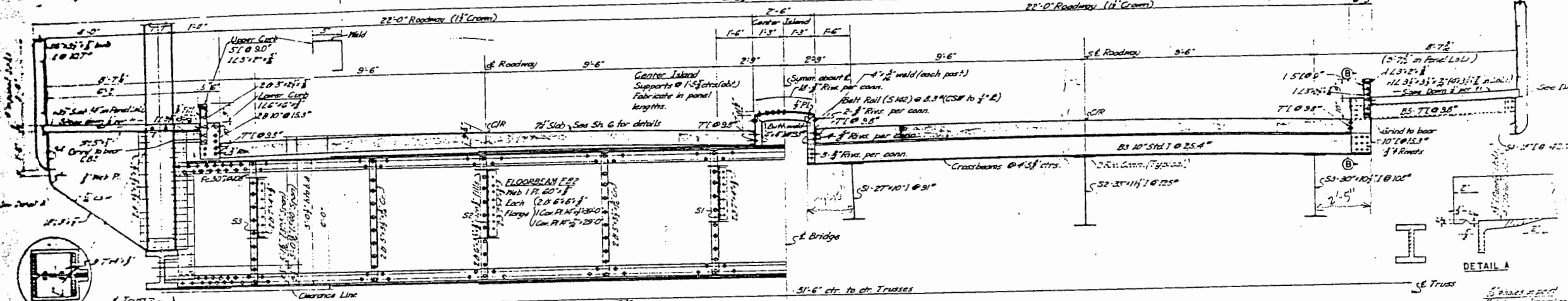
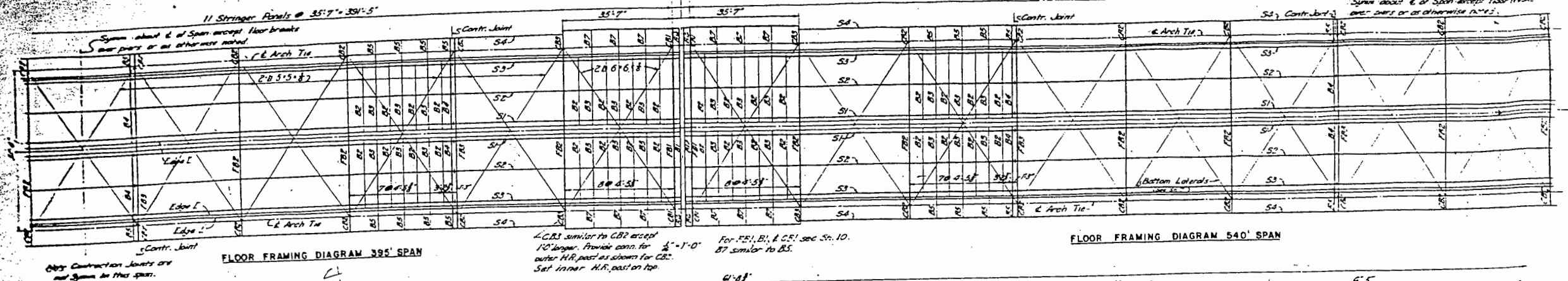
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	36
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FILE NAME = P:\A-2012\09\12699 Centennial Bridge Scour Investigation\700 CAD Files\702 Civil Design Files\99 From PW\0264348-arch-pin.dgn

FOR INFORMATION ONLY

15 Stringer Panels @ 35'-7" x 39'-5"

Span about 1/4 of Span except floor beams
one part or as otherwise noted.



Notes for Steelwork:
Rivets 7/8" unless noted otherwise.
See specifications for provisions regarding punching, reaming, finish, assembling, riveting, painting, and other shop and field operations. Such provisions shall be clearly noted on the Working Drawings.

Notes:
At River Piers, Handrails are to continue evenly beyond end brackets CB and to meet with a lapping construction similar to that for Exp. joints on Sh. 21 with allowance for Temp. changes as in corresponding roadway Exp. joints.
At L in all arch spans handrail is offset 12" from L.
Provide Holes & Corners for Conductors as Req'd. See Specs.

CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL TO DAVENPORT, IA.

ARCH SPANS - FLOOR SYSTEM AND HANDRAILS

SCALE: AS NOTED
ASH - HOWARD - NEEDLES & TAMMEN
CONS. ENG. ARCHT. & CIVIL ENGRS.
CHICAGO, ILL.
SHEET NO. 5

USER NAME = siphkoc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/6/2018	DATE -	REVISED -

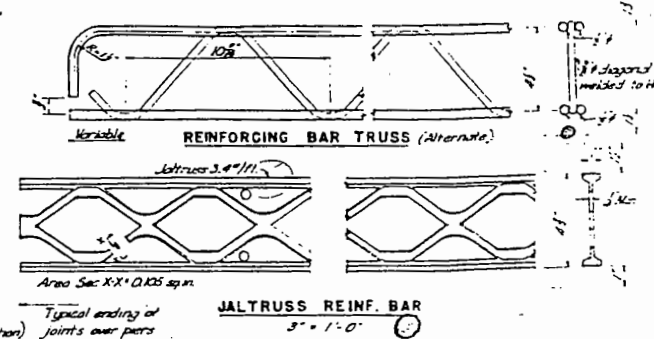
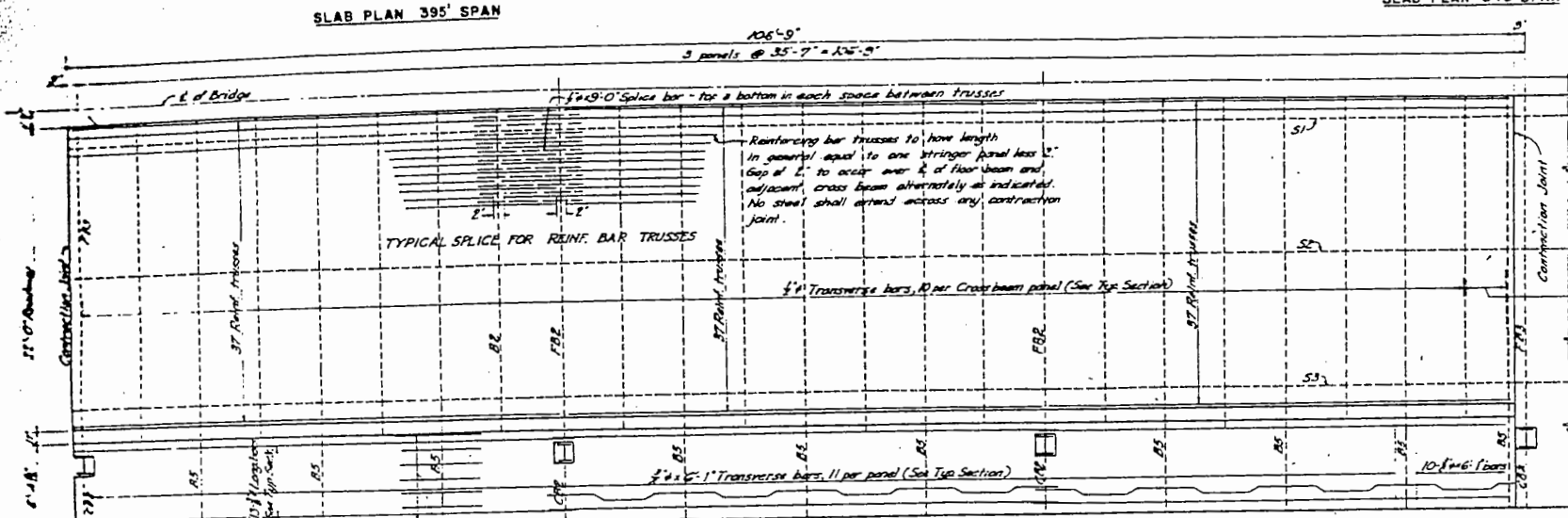
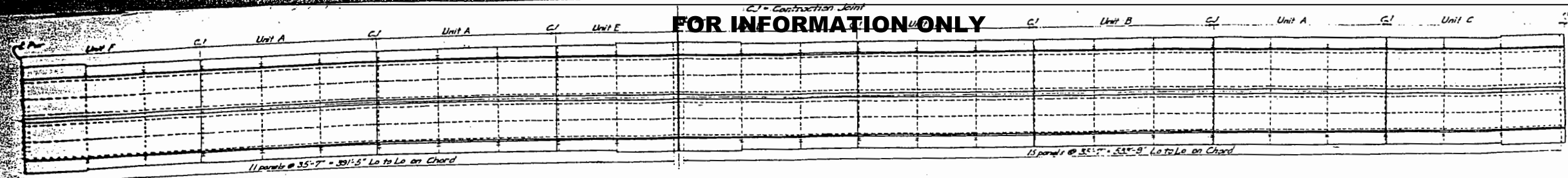
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
ARCH SPANS - FLOOR SYSTEM AND HANDRAILS
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 37
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

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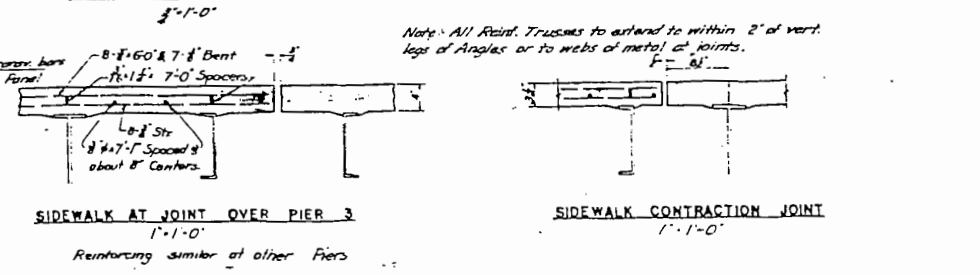
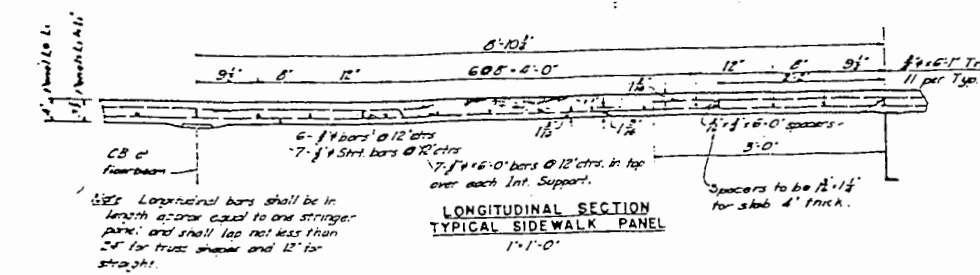
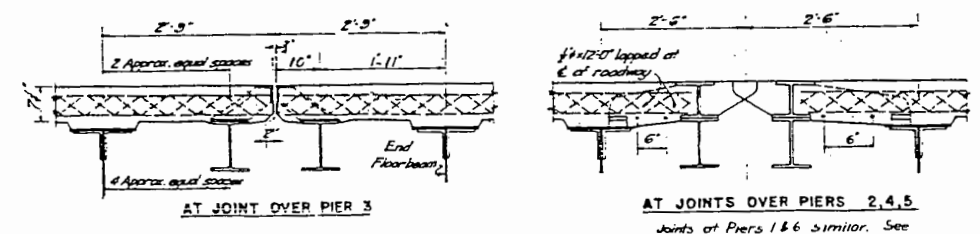
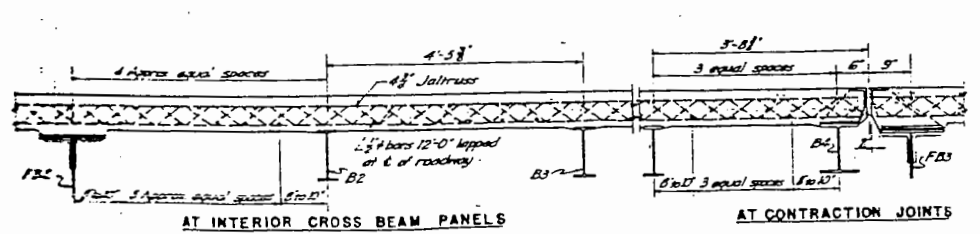
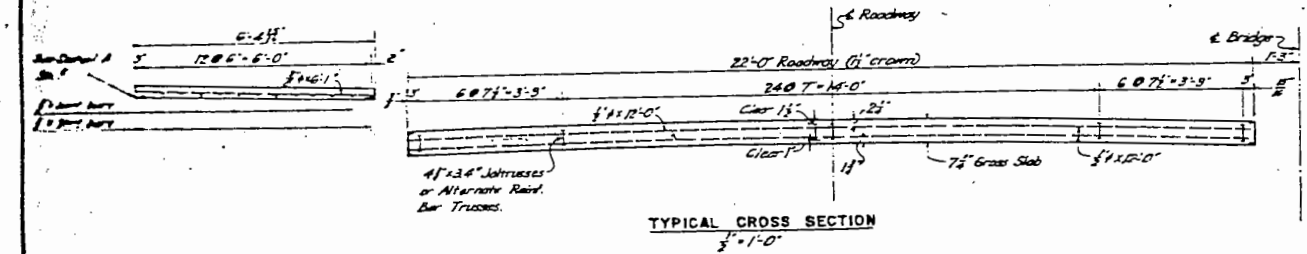
FOR INFORMATION ONLY



Note: Contractor shall provide complete Placing Diagrams and Bar Lists.

Note: For widened sections of sidewalks in panels adjacent to Piers, lengths and number of bars shall be increased proportionately. See detail below.

Note: All Slab Concrete to be Class 35 For General Notes for Concrete see Sheet 2.



CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, IA
 ROADWAY AND SIDEWALK SLABS
 FOR ARCH SPANS

SCALE: As Shown
 ASH-HOWARD-REEDS & TAMM
 CONSULTING ENGINEERS
 KANSAS CITY, MISSOURI
 SHEET NO. 5

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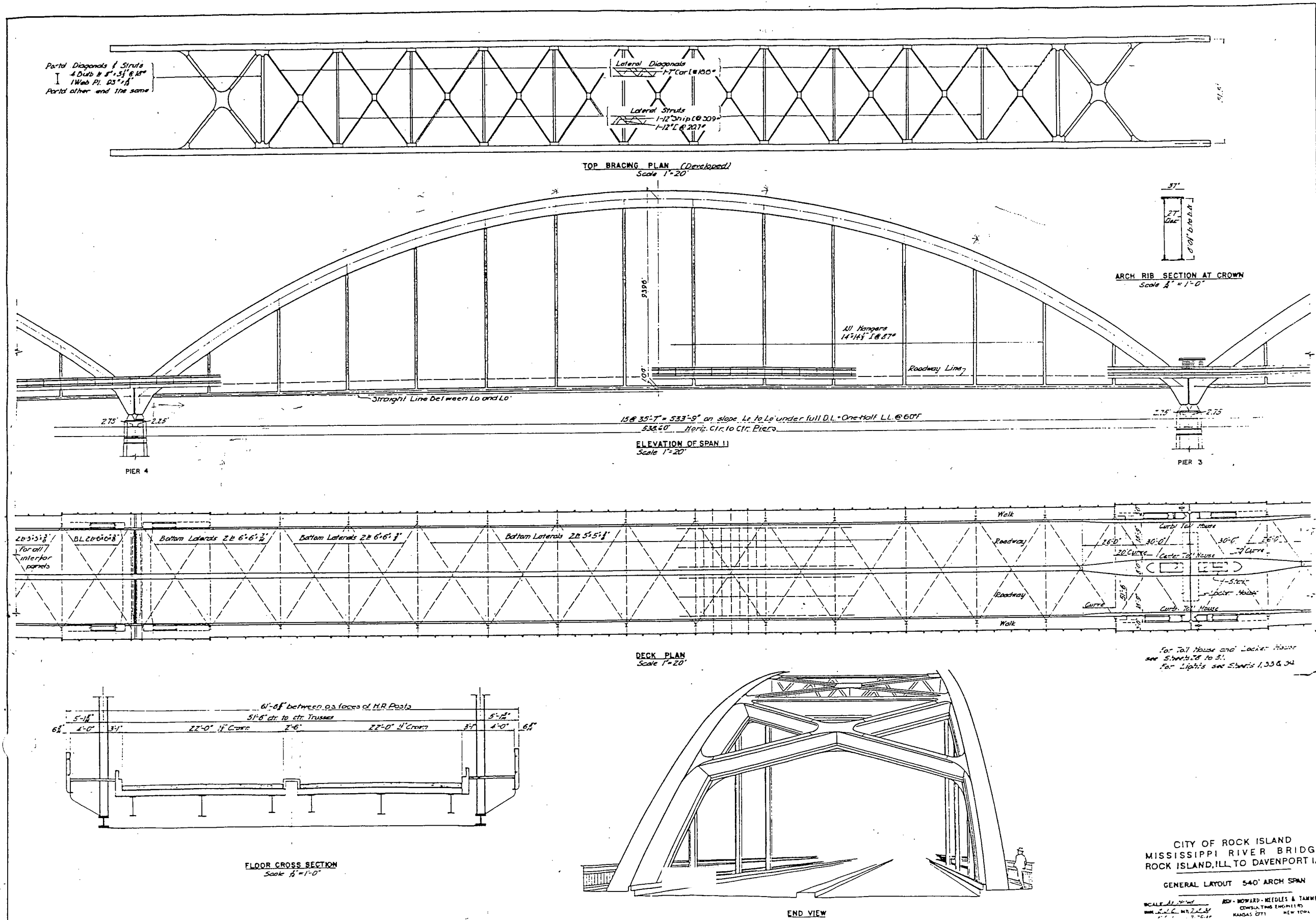
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 ROADWAY AND SIDEWALK SLABS FOR ARCH SPANS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 38
SHEET OF SHEETS			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY



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PLOT DATE = 8/6/2018	DATE -	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

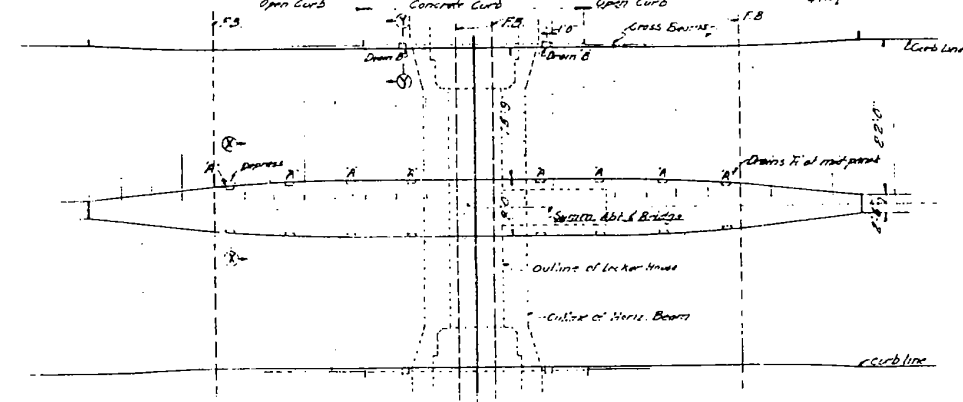
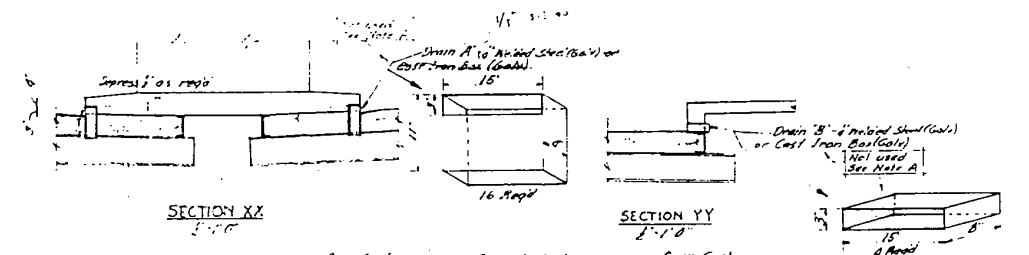
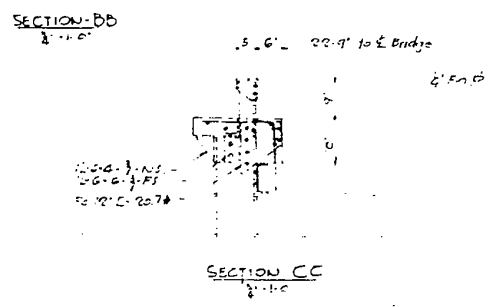
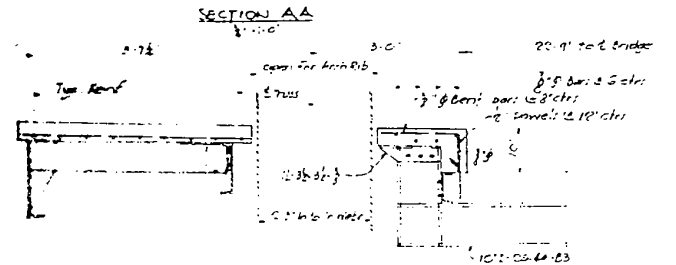
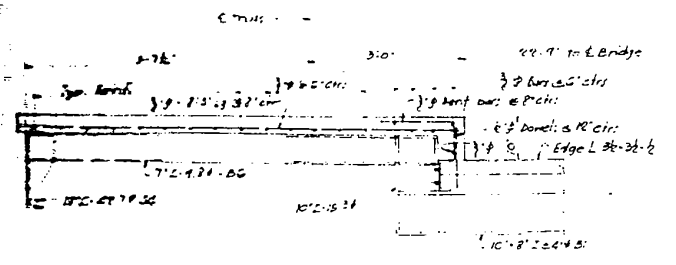
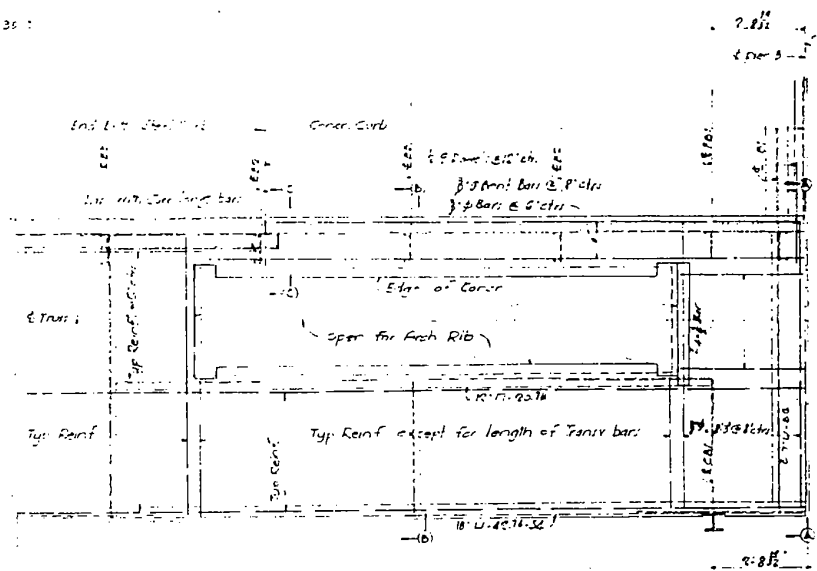
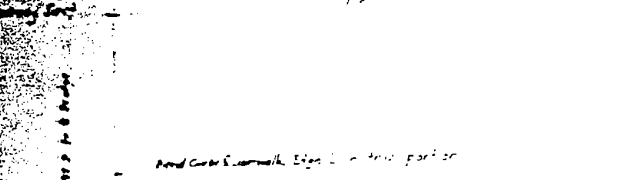
SN 081-9905
GENERAL LAYOUT 540' ARCH SPAN

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 39
			CONTRACT NO. 64J48	

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



NOTE A: Steel plate bases not used. 2" pipe sections spaced at 6" c/c used similarly to provide drainage.

CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL. TO DAVENPORT, IA

SPECIAL FLOOR AND DRAINAGE
DETAILS AT TOLL HOUSE

Note: This sheet supplementary to
Sheet S-117

SCALE: As Shown	DESIGNED: NEEDLES & BENDIS
DATE: 8/6/2018	CHECKED: J. J. J.
PROJECT: MISSISSIPPI RIVER BRIDGE	SHEET NO. 7A

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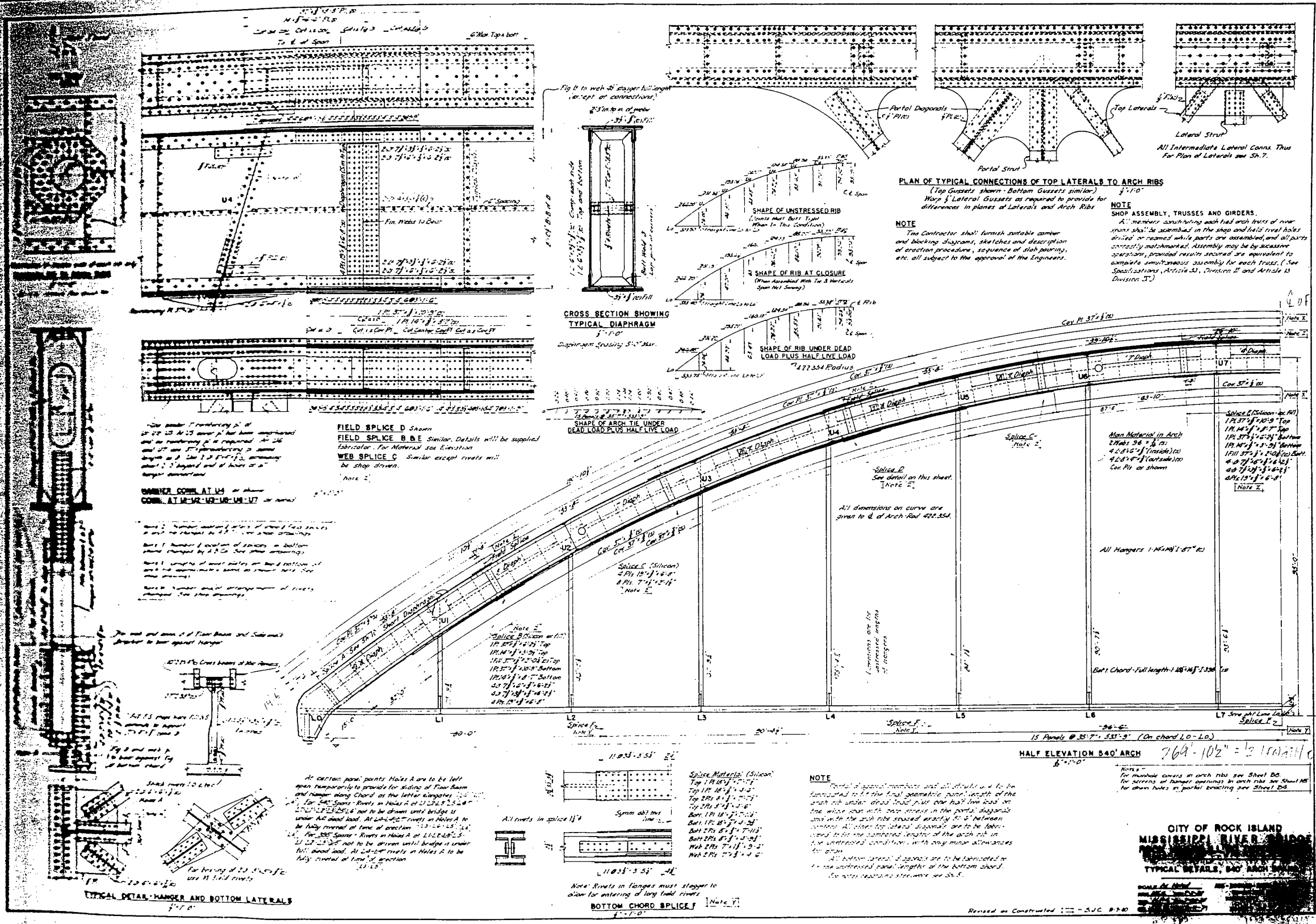
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
SPECIAL FLOOR AND DRAINAGE DETAILS

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			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\A-2012\09\12609 Centennial Bridge Scour Investigation\700 CAD Files\702 Civil Design Files\99 From PW\2264348-aht-pin.dgn

FOR INFORMATION ONLY



277'-4" x 8" = 2218'-8"

277'-4"

769'-10 1/2" = 1/2 length of span

334 T-2

FILE NAME = P:\A-2012\05M2609 Centennial Bridge Scour Investigation\700 CAD Files\702 Civil Design Files\99 From PW\2664348-arch-pin.dgn

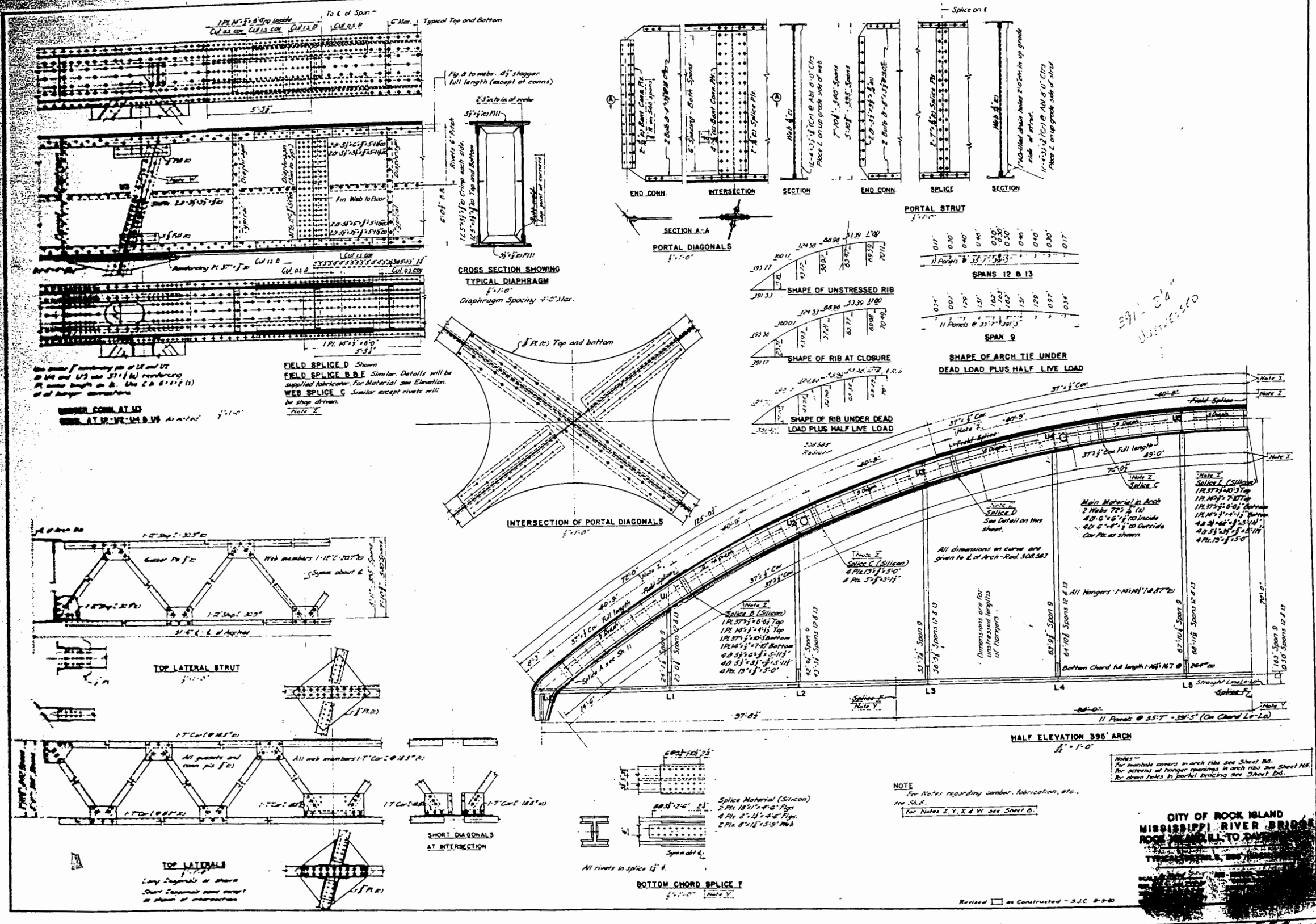
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
TYPICAL DETAILS
SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 41
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



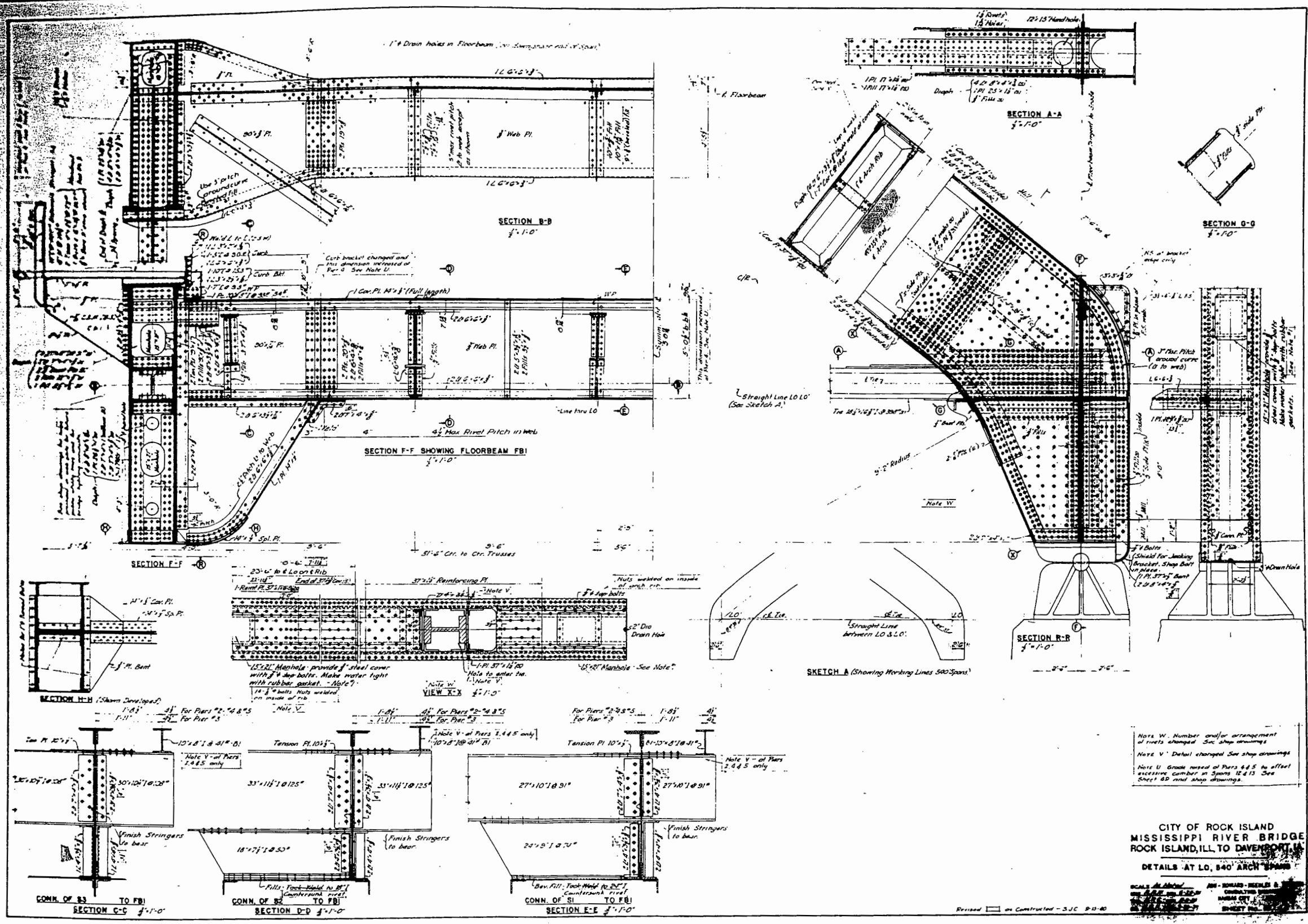
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 TYPICAL DETAILS
 SHEET OF SHEETS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 42
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	



CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, ILL.
 DETAILS AT LO, 840' ARCH SPANS

SCALE: AS SHOWN
 PREPARED BY: J. H. HENKEL & COMPANY, INC.
 ENGINEERS
 100 N. 3RD ST.
 ROCK ISLAND, ILL. 61201
 SHEET NO. 599

Revised on CONTRACT - SJC 8-11-80

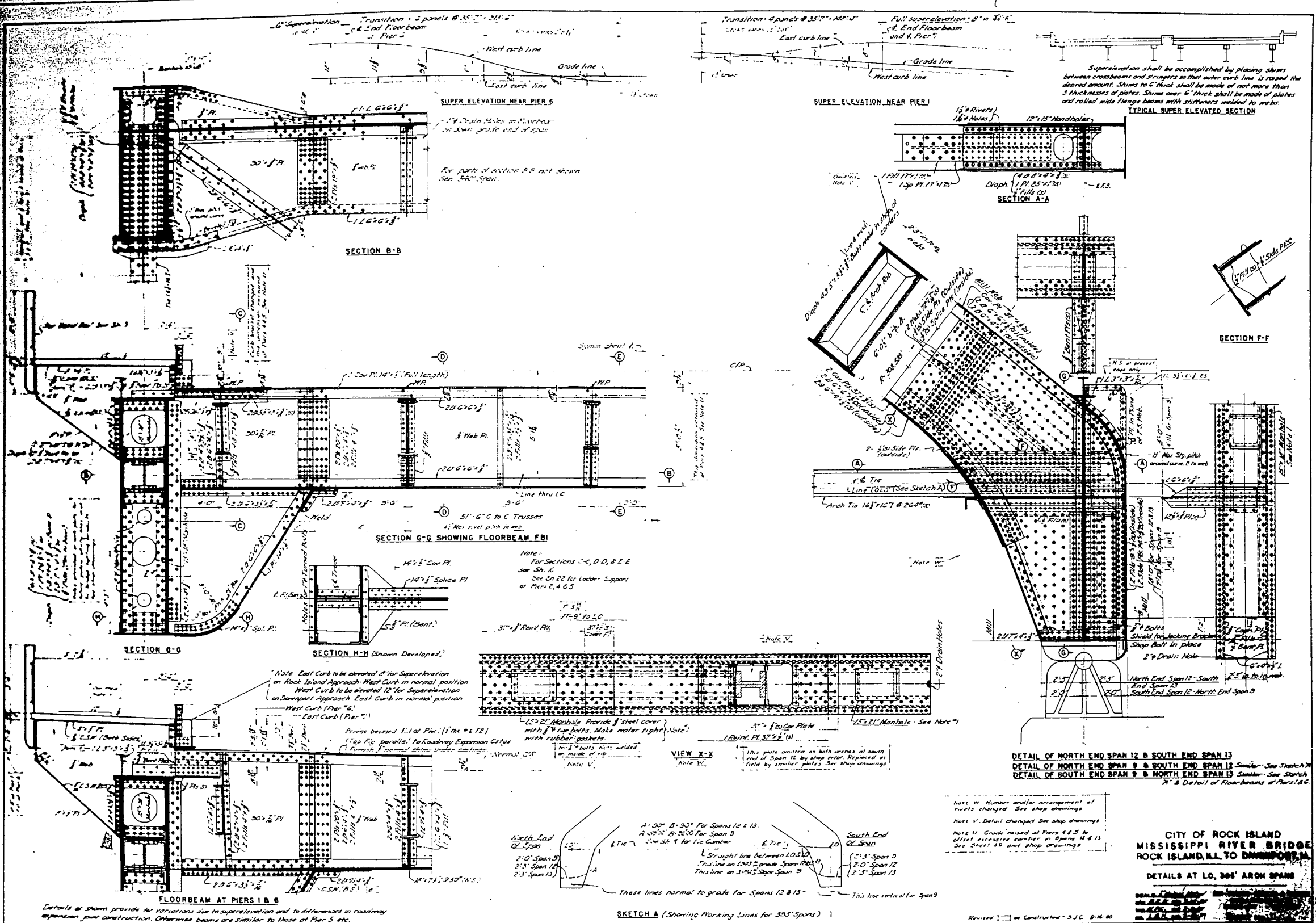
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 DETAILS AT LO

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 43
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	



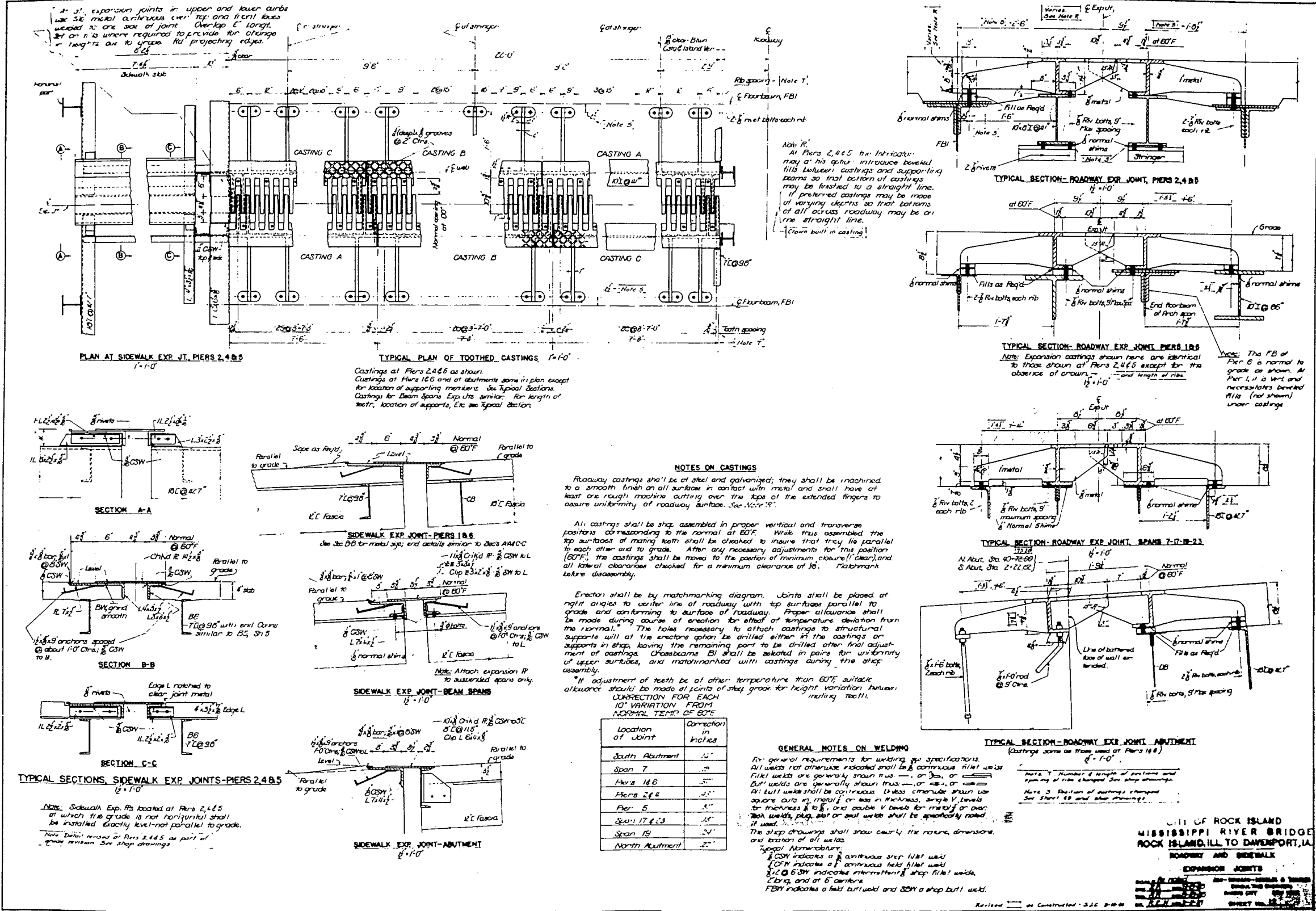
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
DETAILS AT L0
SHEET OF SHEETS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 44
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				



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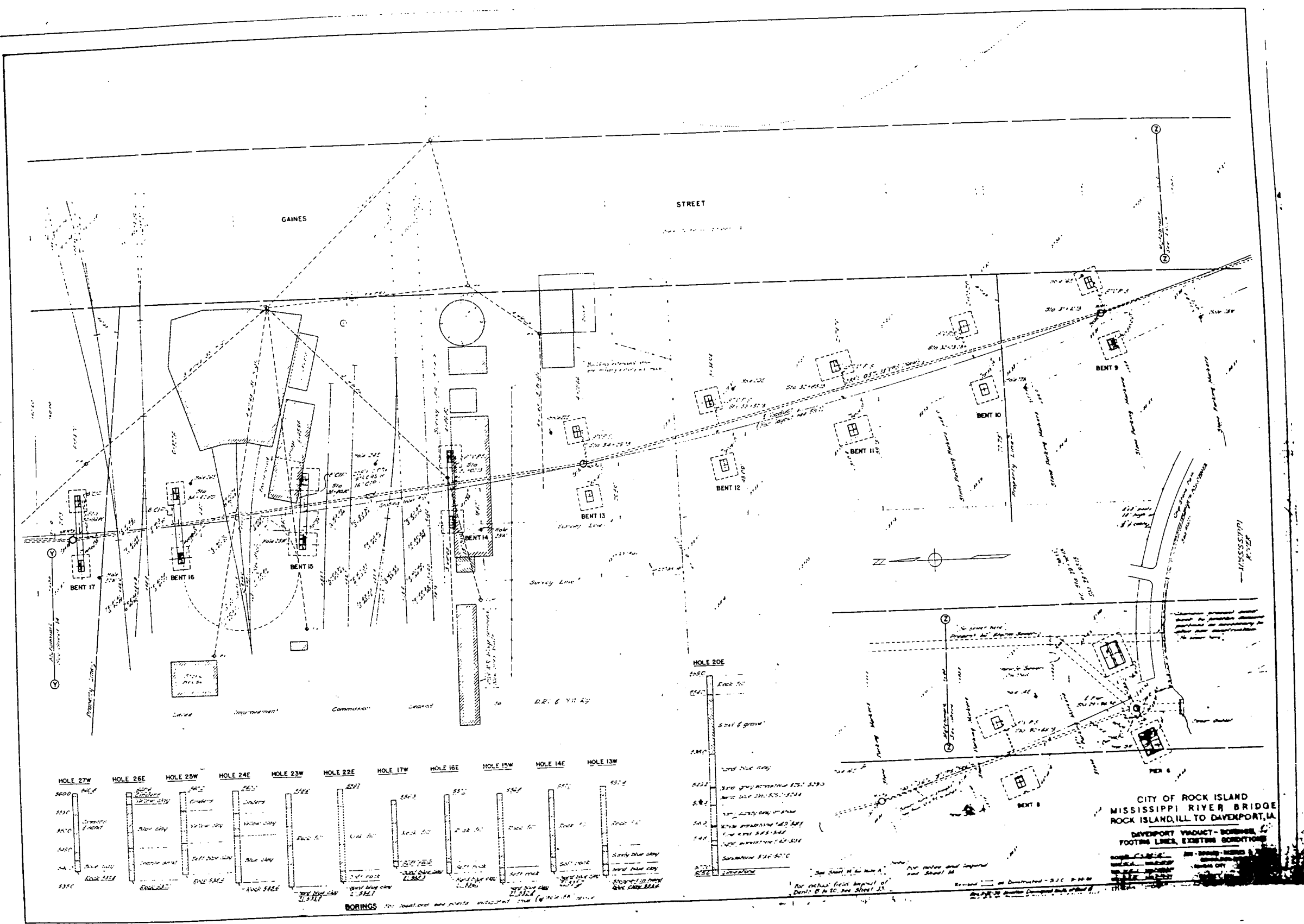
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
ROADWAY AND SIDEWALK EXPANSION JOINTS
SHEET OF SHEETS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 45
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				

534

FOR INFORMATION ONLY



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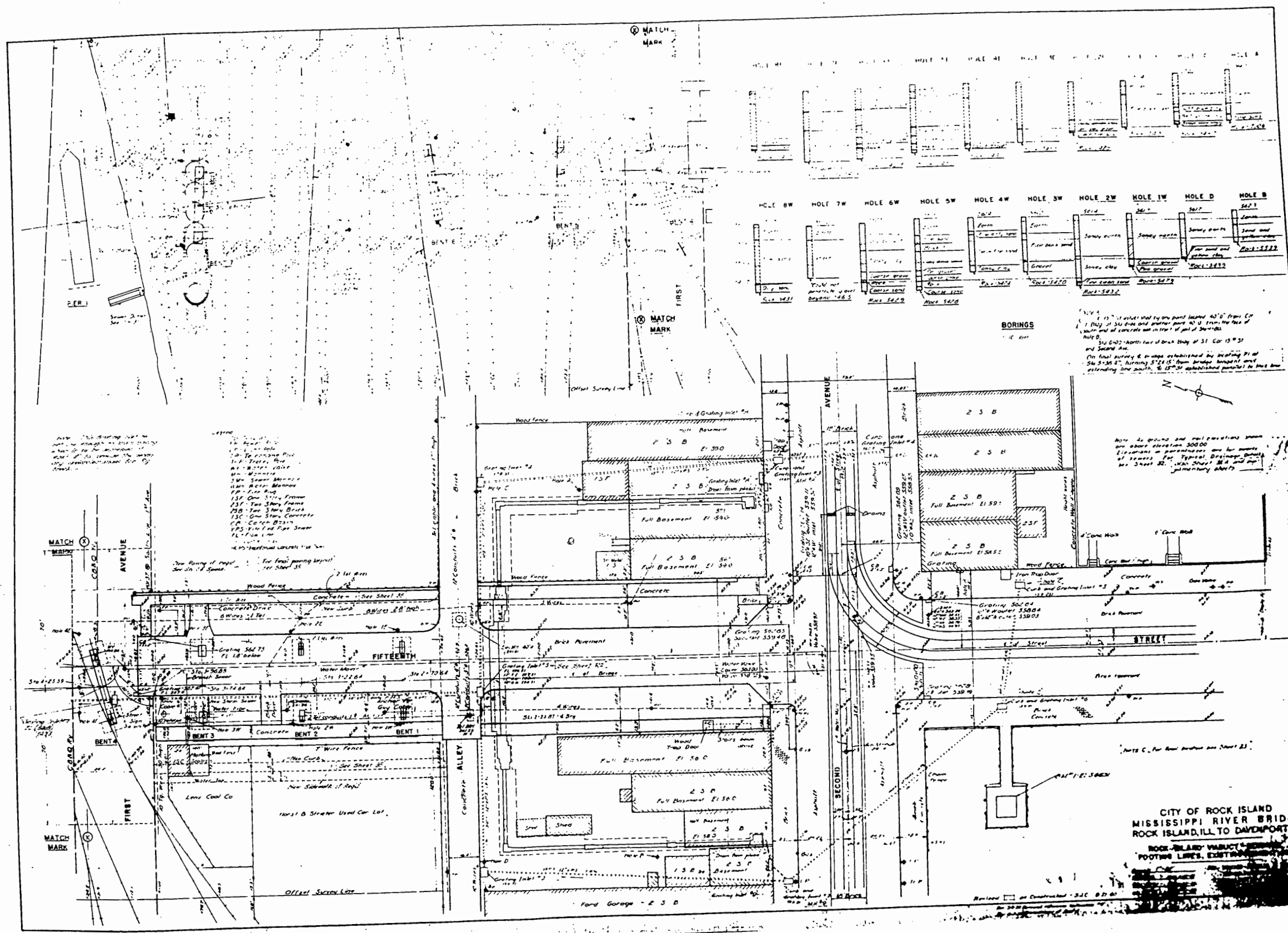
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	DATE -	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
DAVENPORT VIADUCT
SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	46
			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



BORINGS
 1. 12" dia. steel pipe, 40' from CP
 2. 12" dia. steel pipe, 40' from face of south end of concrete in top of pier 2-10-10
 Note: 310 0402 - North face of brick body of 31 Cor 15' 31" and Second Ave.
 On final survey & bridge established by bearing of 31 of Sta 2+38.47, bearing S 74.15' from bridge, bearing and extending line south, to 15' 31" established parallel to bridge line.

Note: All ground and all excavations shown are above elevation 300.00
 Elevation in parentheses are for means of borings. For Typical Drilling Details see Sheet 22, 23, 24, 25, 26 and preliminary sheets.

CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, IA
 ROCK ISLAND VIADUCT
 FOOTING LINES, EXTERIOR

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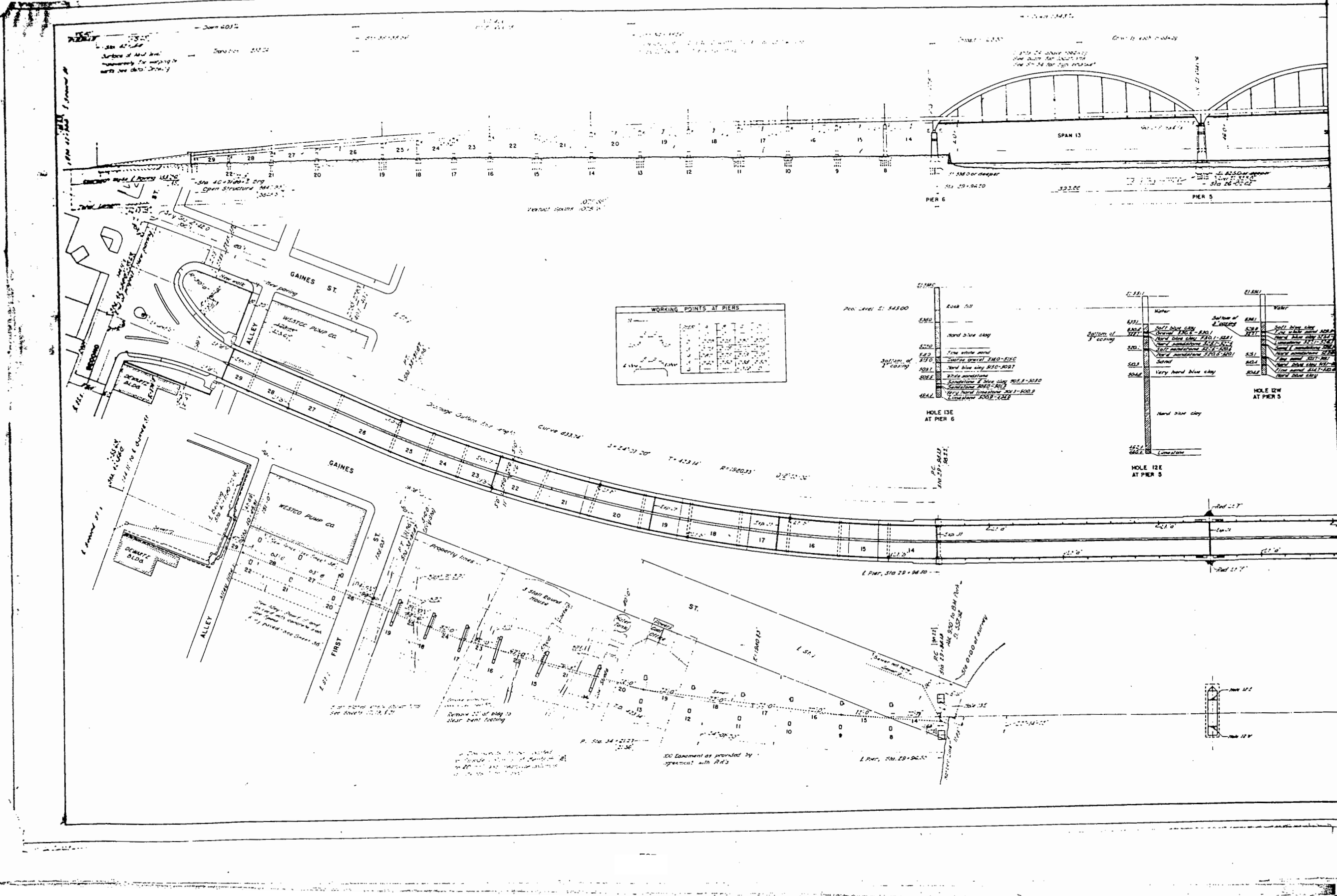
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 ROCK ISLAND VIADUCT

SHEET OF SHEETS

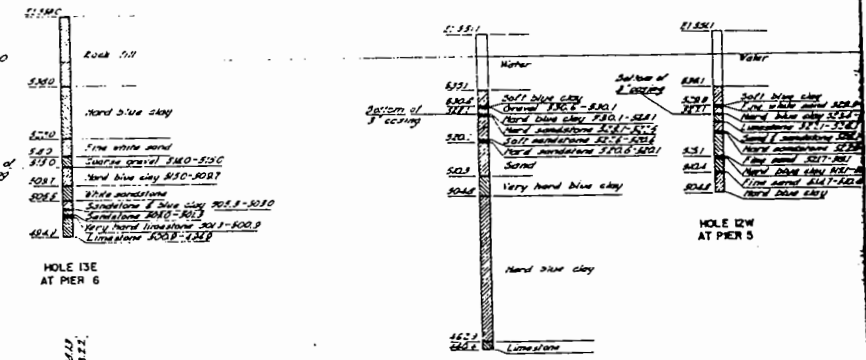
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			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



WORKING POINTS AT PIERS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29



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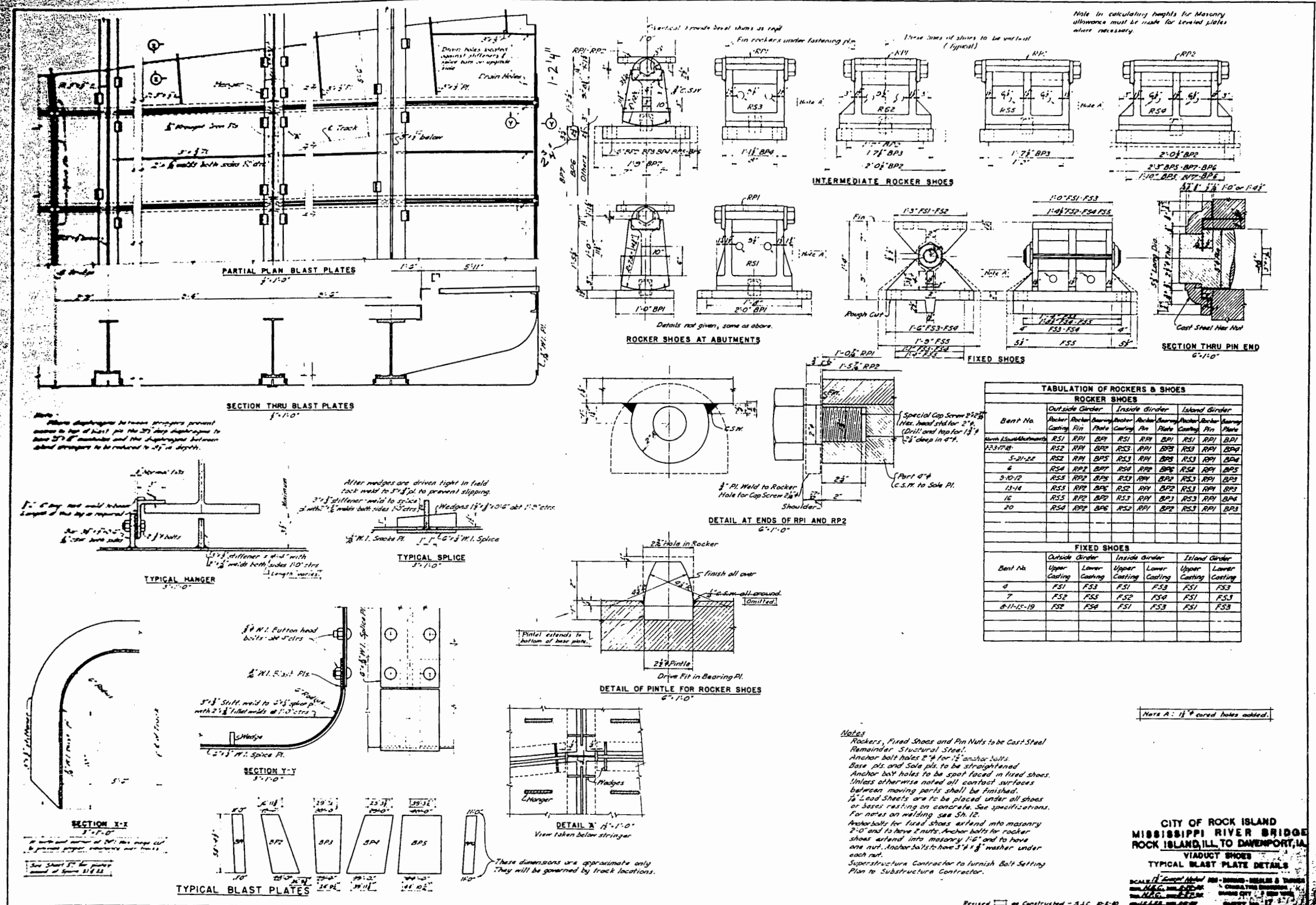
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905
PLAN LAYOUT

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 48
CONTRACT NO. 64J48				
ILLINOIS FED. AID PROJECT				



TABULATION OF ROCKERS & SHOES

Bent No.	ROCKER SHOES			ROCKER SHOES			ROCKER SHOES		
	Outside Girder	Inside Girder	Island Girder	Outside Girder	Inside Girder	Island Girder	Outside Girder	Inside Girder	Island Girder
	Anchor Casting	Anchor Plate	Anchor Pin	Anchor Casting	Anchor Plate	Anchor Pin	Anchor Casting	Anchor Plate	Anchor Pin
133-17-18	RS1	RPI	BPI	RS1	RPI	BPI	RS1	RPI	BPI
5-21-22	RS2	RPI	BPI	RS3	RPI	BPI	RS3	RPI	BPI
6	RS4	RPI	BPI	RS4	RPI	BPI	RS4	RPI	BPI
9-10-12	RS5	RPI	BPI	RS5	RPI	BPI	RS5	RPI	BPI
13-14	RS5	RPI	BPI	RS5	RPI	BPI	RS5	RPI	BPI
16	RS5	RPI	BPI	RS5	RPI	BPI	RS5	RPI	BPI
20	RS4	RPI	BPI	RS2	RPI	BPI	RS3	RPI	BPI

Bent No.	FIXED SHOES			FIXED SHOES			FIXED SHOES		
	Outside Girder	Inside Girder	Island Girder	Outside Girder	Inside Girder	Island Girder	Outside Girder	Inside Girder	Island Girder
	Upper Casting	Lower Casting	Upper Casting	Lower Casting	Upper Casting	Lower Casting	Upper Casting	Lower Casting	Upper Casting
4	FS1	FS3	FS1	FS3	FS1	FS3	FS1	FS3	FS3
7	FS2	FS5	FS2	FS4	FS1	FS3	FS1	FS3	FS3
8-11-15-19	FS2	FS4	FS1	FS3	FS1	FS3	FS1	FS3	FS3

CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO Davenport, IA.
 VIADUCT SHOES
 TYPICAL BLAST PLATE DETAILS

SCALE: 1/8" = 1'-0"
 REVISIONS: AS CONSTRUCTED - S.J.C. 8-2-80

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	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 VIADUCT SHOES TYPICAL BLAST PLATE DETAILS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

SHEET OF SHEETS

FOR INFORMATION ONLY

THIS SHEET IS INTENTIONALLY
LEFT BLANK AS PROVIDED IN
EXISTING PLAN SET

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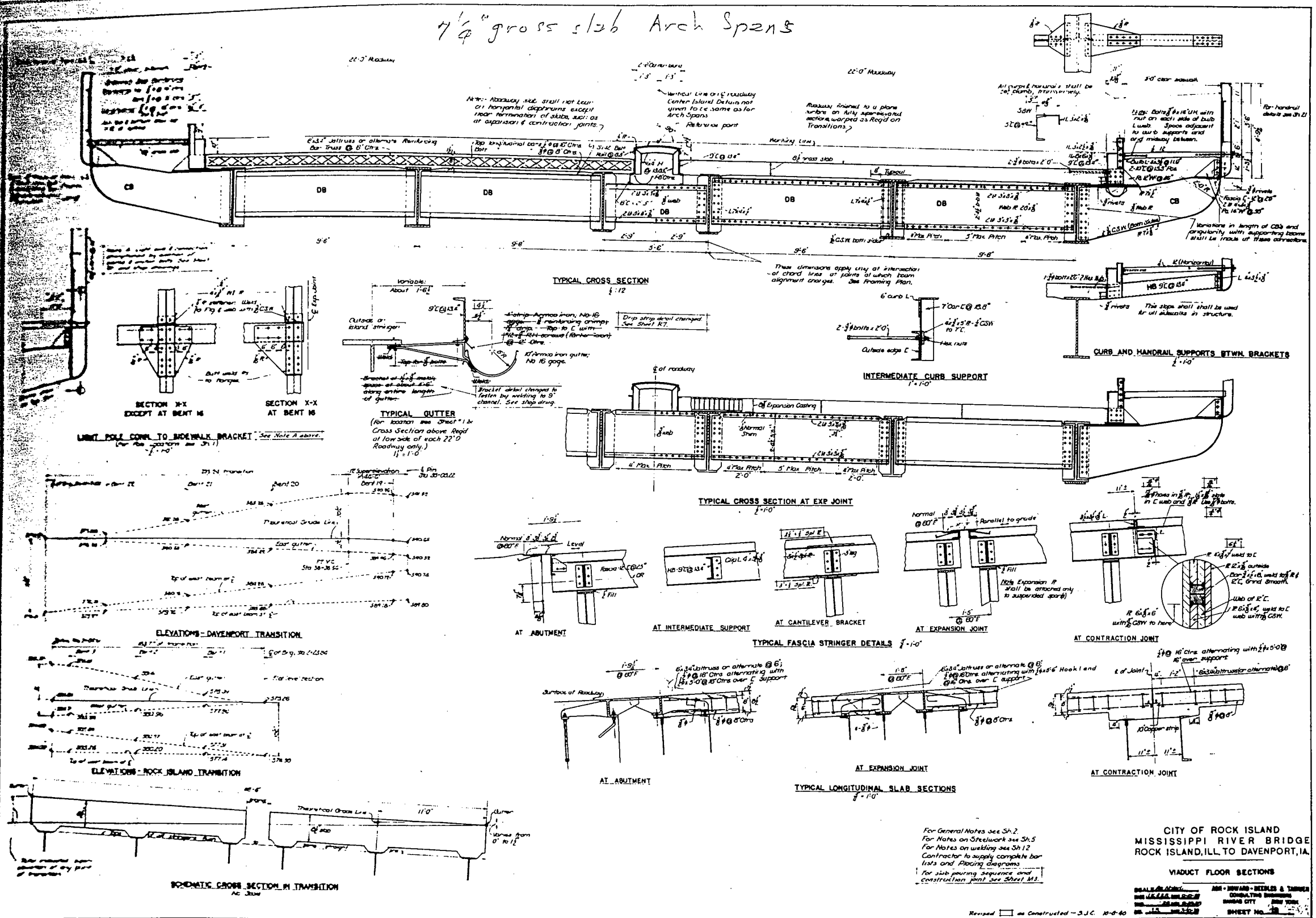
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 081-9905

SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	51
			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

7/4" gross slab Arch Spans



CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL TO DAVENPORT, IA.

VIADUCT FLOOR SECTIONS

For General Notes see Sh. 2
For Notes on Steelwork see Sh. 5
For Notes on Utilities see Sh. 12
Contractor to supply complete bar lists and placing diagrams
For slab pouring sequence and construction joint see Sheet M3.

Revised as Constructed - S.J.C. 10-8-60

DEALS & BROS. INC. 100 N. WASHINGTON ST. CHICAGO, ILL. 60602
JAMES H. HOWARD - ENGINEER & ARCHITECT 100 N. WASHINGTON ST. CHICAGO, ILL. 60602

SHEET NO. 599

USER NAME = siphocac	DESIGNED -	REVISED -
PLOT SCALE = 2:8.0000 1" = 10'	DRAWN -	REVISED -
PLOT DATE = 8/6/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

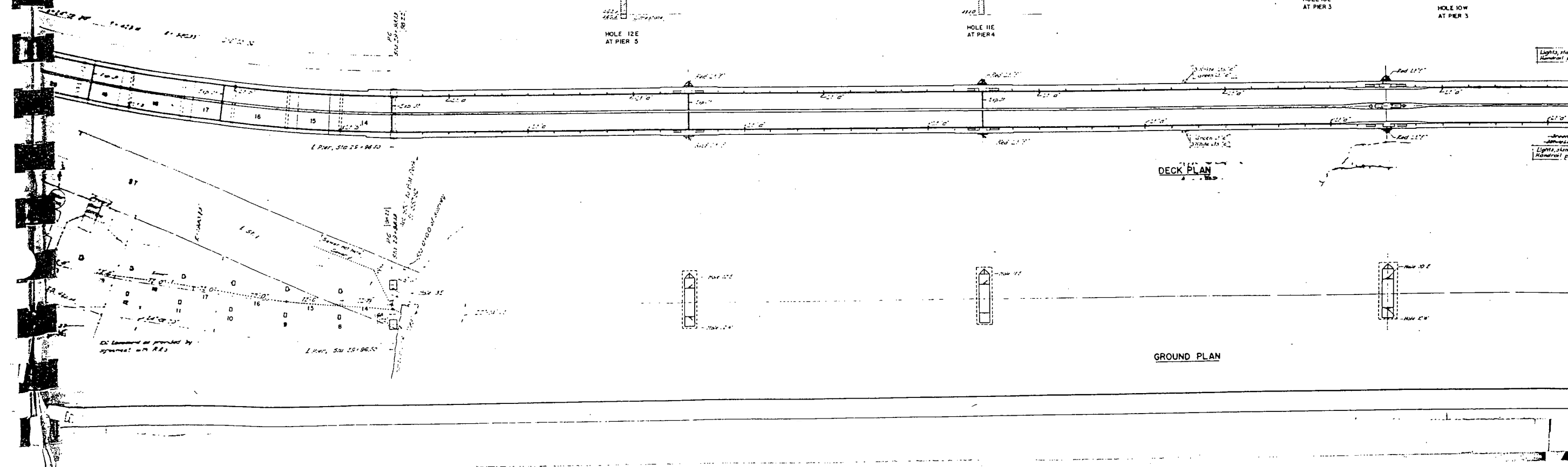
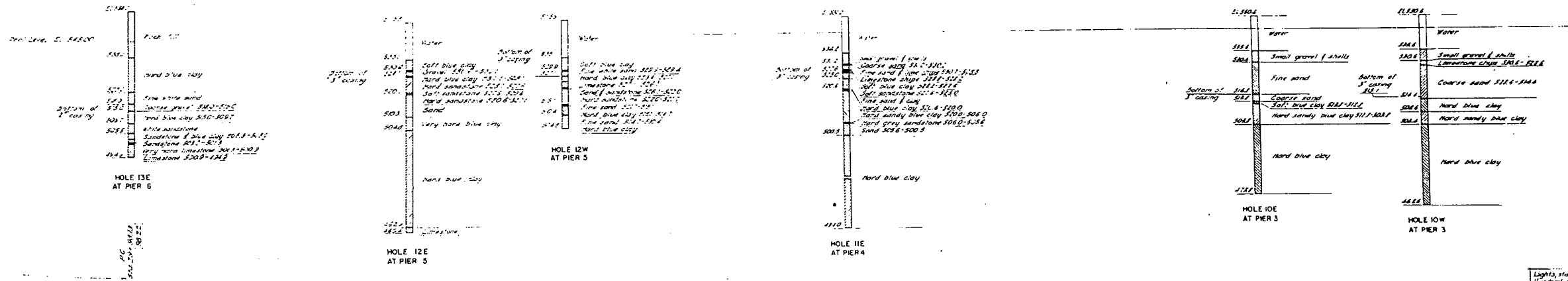
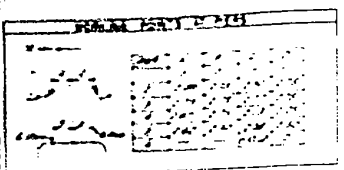
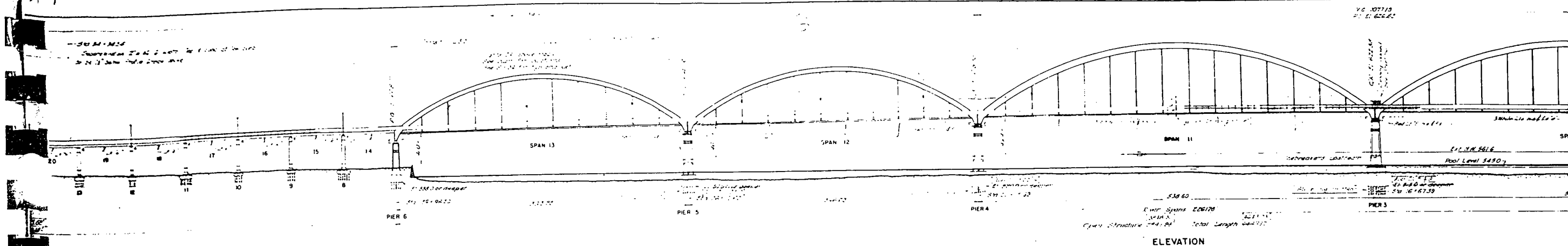
SN 081-9905
VIADUCT FLOOR SECTIONS

SHEET OF SHEETS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

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FOR INFORMATION ONLY



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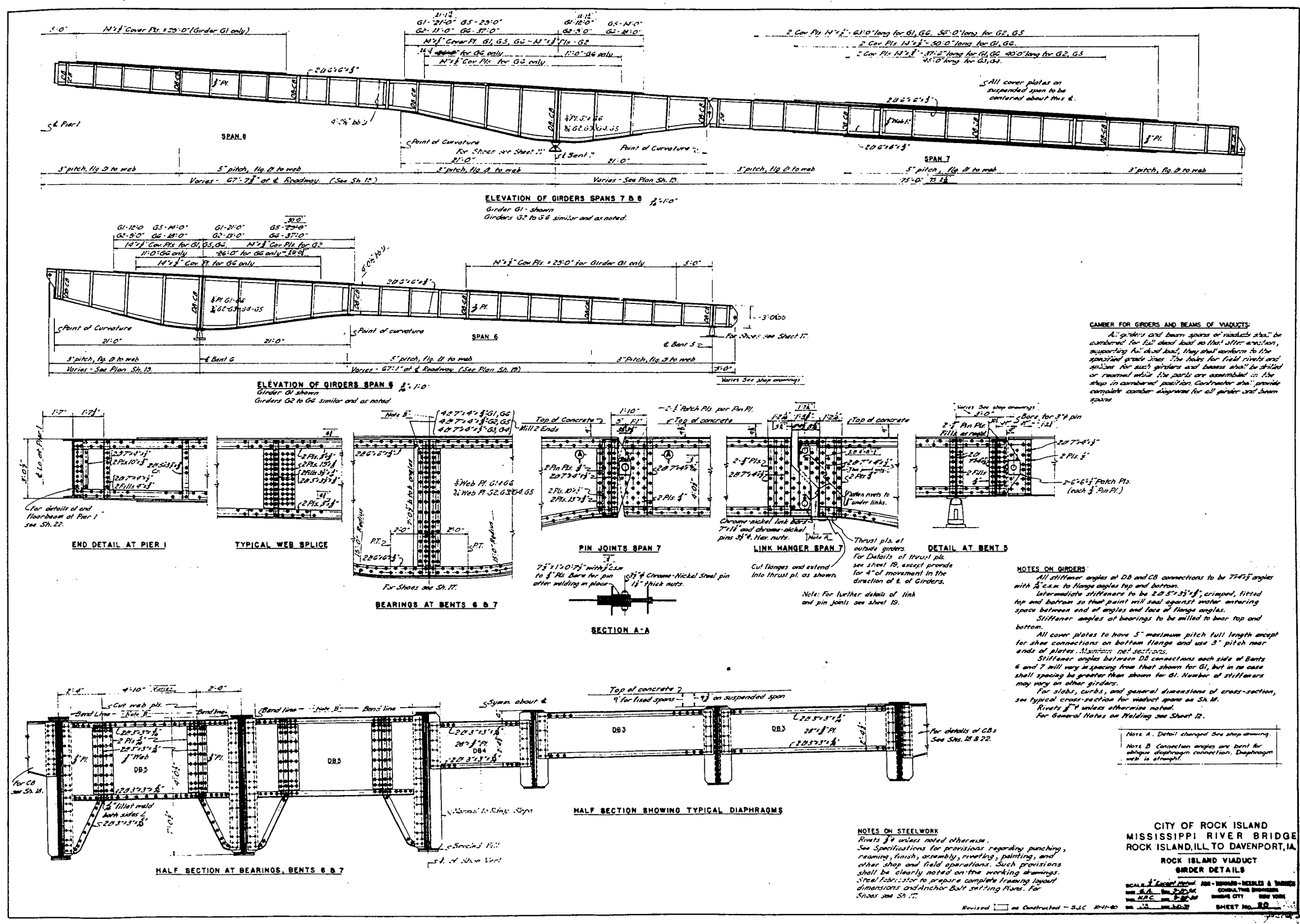
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 DECK & GROUND PLAN
 SHEET OF SHEETS

F.A.P. RT. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 53
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



CAMBER FOR GIRDERS AND BEAMS OF VIADUCTS:
 All girders and beam spans of viaducts shall be cambered for full dead load so that after erection, supporting full dead load, they shall conform to the specified grade lines. The holes for field rivets and splices for such girders and beams shall be drilled or reamed while the parts are assembled in the shop in cambered position. Contractor shall provide complete camber diagrams for all girder and beam spans.

NOTES ON GIRDERS:
 All stiffener angles at DB and CB connections to be 7/16" angle with 3/8" E.C.M. to flange angles top and bottom.
 Intermediate stiffeners to be 2" x 3" x 1/4" crimped, fitted top and bottom so that point will seal against water entering space between end of angles and face of flange angles.
 Stiffener angles at bearings to be milled to bear top and bottom.
 All cover plates to have 5" maximum pitch full length except for shoe connections on bottom flange and use 3" pitch near ends of plates. Minimum net sections.
 Stiffener angles between DB connections each side of Bents 6 and 7 will vary in spacing from that shown for G1, but in no case shall spacing be greater than shown for G1. Number of stiffeners may vary on other girders.
 For slabs, curbs, and general dimensions of cross-section, see typical cross-section for viaduct spans on SH. M.
 Rivets 3/4" unless otherwise noted.
 For General Notes on Welding see Sheet 12.

NOTES ON STEELWORK:
 Rivets 3/4" unless noted otherwise.
 See Specifications for provisions regarding punching, reaming, finish, assembly, riveting, painting, and other shop and field operations. Such provisions shall be clearly noted on the working drawings.
 Steel fabricator to prepare complete framing layout dimensions and Anchor Bolt setting Plans. For Shop see SH. 17.

CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, IA
 ROCK ISLAND VIADUCT
 GIRDER DETAILS
 SCALE: 1/4" = 1'-0"
 CONSULTING ENGINEER
 SHEET NO. 80

USER NAME = siphkoc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/6/2018	DATE -	REVISED -

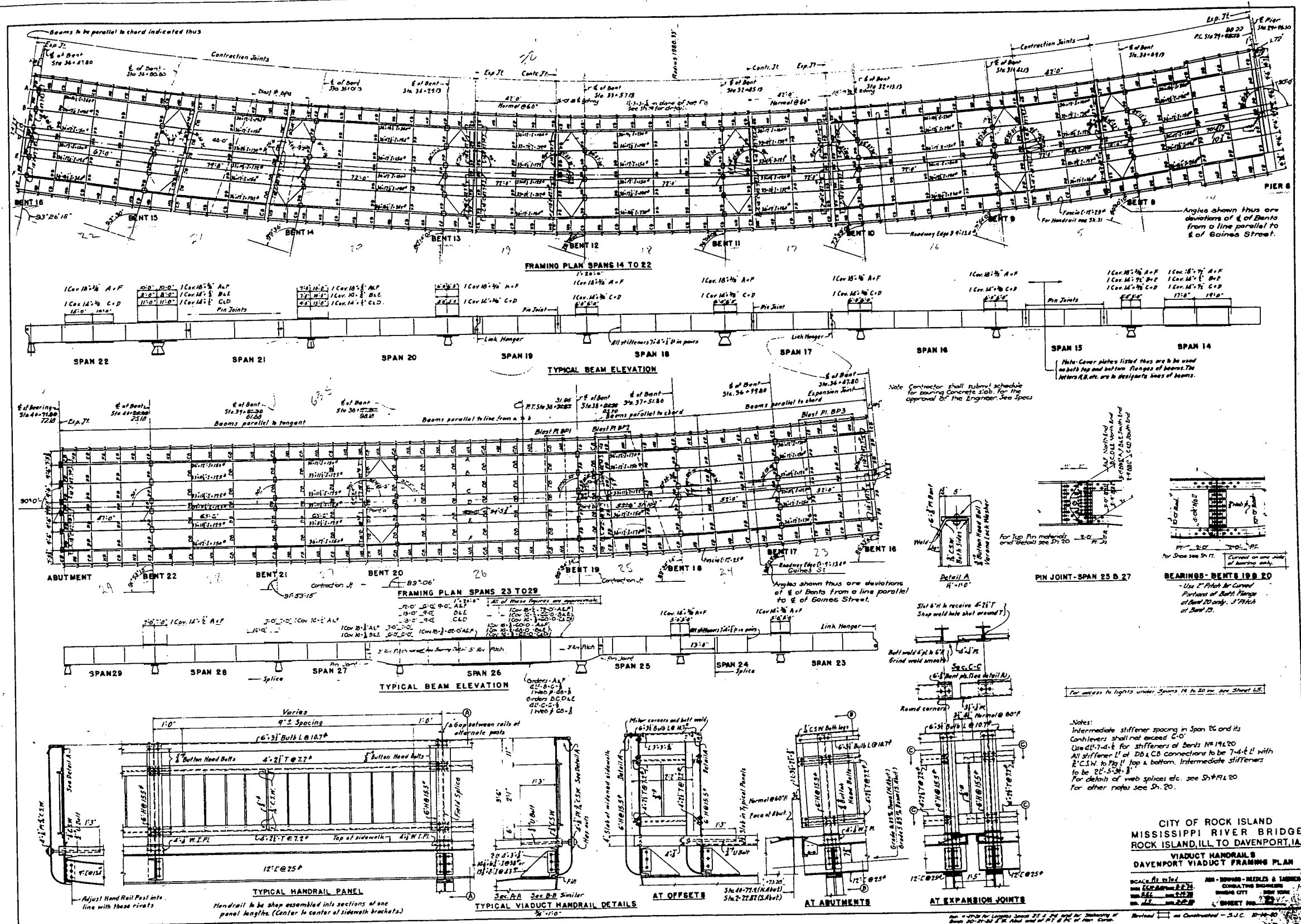
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 ROCK ISLAND VIADUCT GIRDER DETAILS

F.A.P. RTE. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 55
				CONTRACT NO. 64J48
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY



CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, IA
 VIADUCT HANDRAILS
 DAVENPORT VIADUCT FRAMING PLAN

SCALE: AS SHOWN
 DATE: 8/6/2018
 SHEET NO. 599

USER NAME = sspkoc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 28.0000 1" = 100'	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 VIADUCT HANDRAILS DAVENPORT VIADUCT

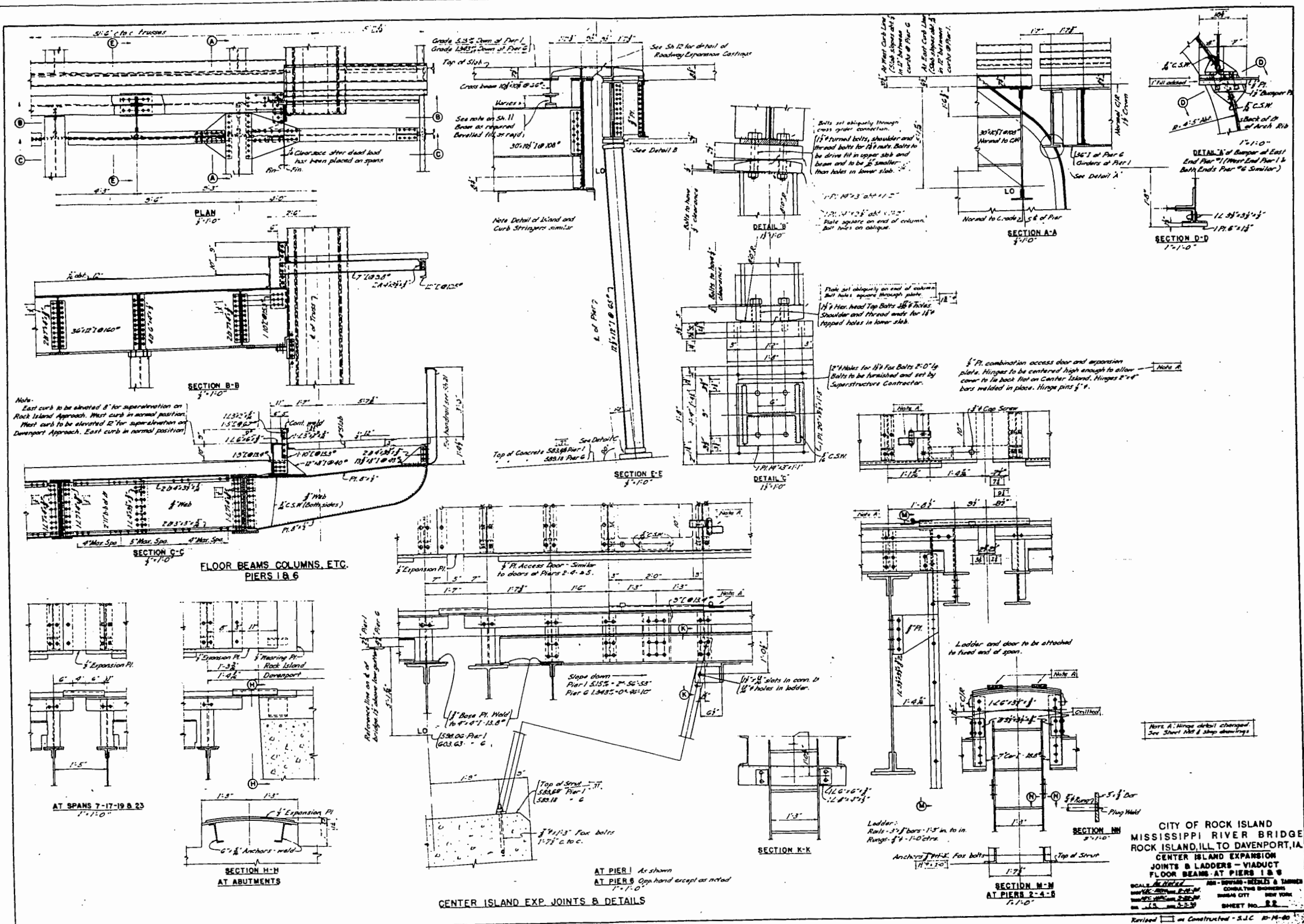
SHEET OF SHEETS

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	56
		CONTRACT NO. 64J48		

ILLINOIS FED. AID PROJECT

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FOR INFORMATION ONLY



CITY OF ROCK ISLAND
 MISSISSIPPI RIVER BRIDGE
 ROCK ISLAND, ILL. TO DAVENPORT, IA
 CENTER ISLAND EXPANSION
 JOINTS & LADDERS - VIADUCT
 FLOOR BEAMS AT PIERS 1 & 6

SCALE: AS SHOWN FOR DIMENSIONS & TOLERANCES
 CONSULT THE DRAWINGS FOR CITY AND STATE SPECIFICATIONS
 SHEET NO. 554

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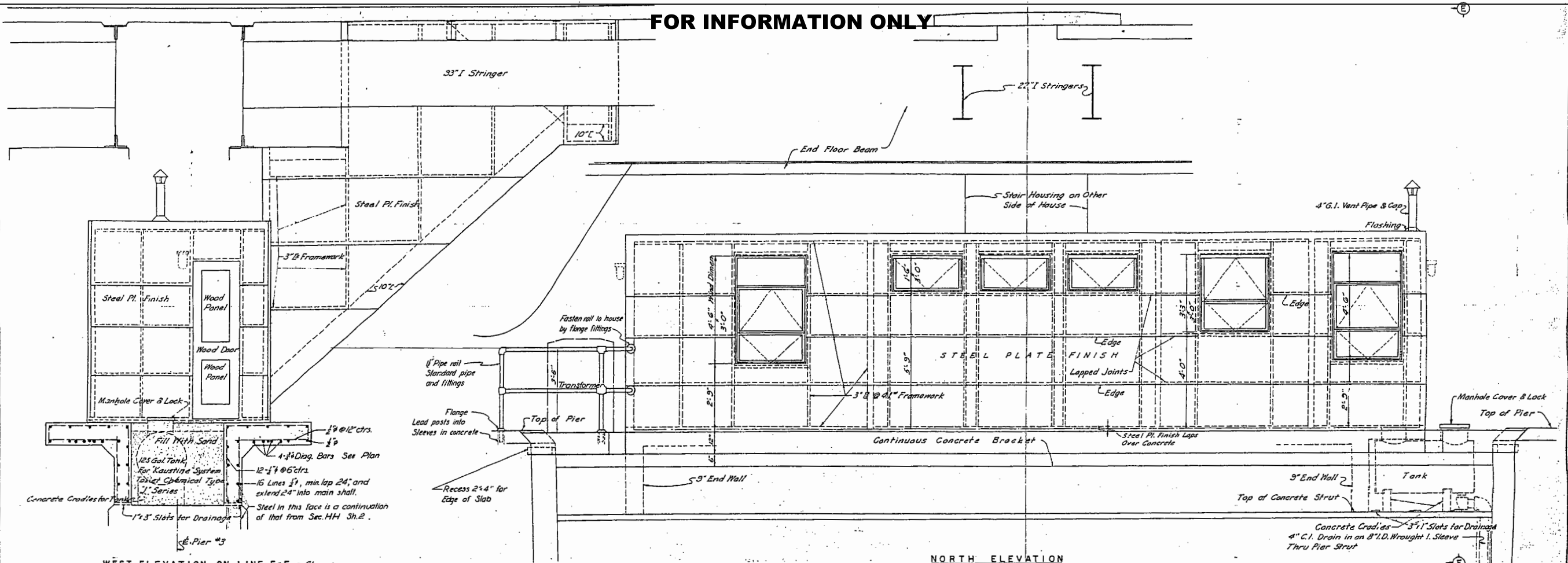
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	DRAWN -	REVISED -
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PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 081-9905
 CENTER ISLAND EXPANSION JOINTS & LADDERS
 SHEET OF SHEETS

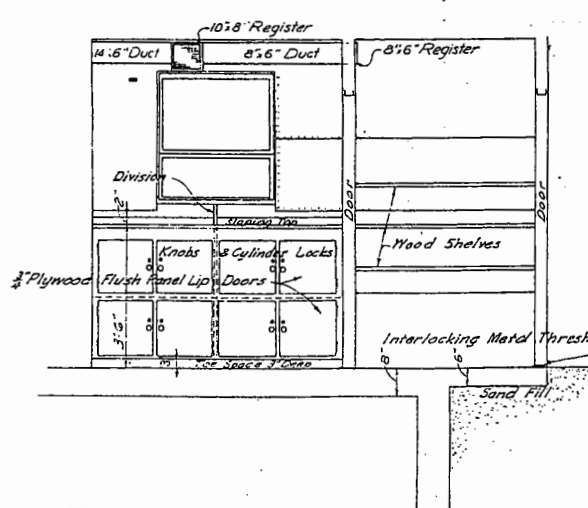
F.A.P. R.E. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 57
			CONTRACT NO. 64J48	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

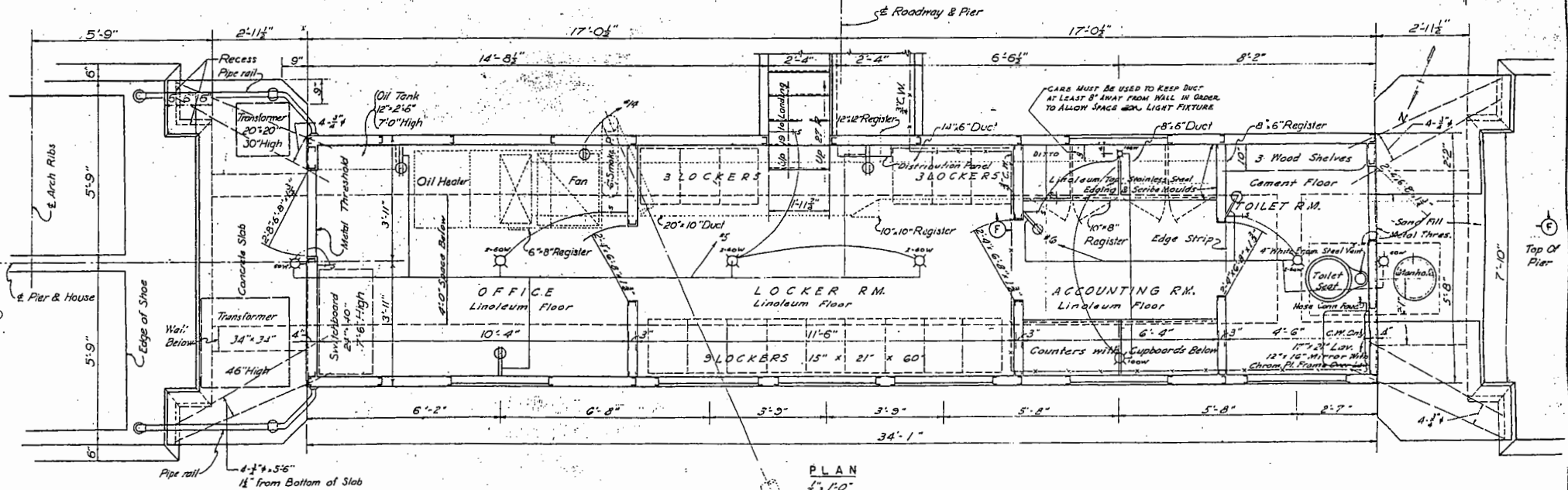


WEST ELEVATION ON LINE E-E - Shown
EAST ELEVATION - Similar except reversed and except door location - See plan.

NORTH ELEVATION
1/2\"/>



SECTION ON LINE F-F
1/2\"/>



PLAN
1/2\"/>

NOTES COVERING LIGHT FIXTURES:-
THE 2 EXTERIOR LIGHTS (1 AT EACH END OF LOCKER HOUSE) SHALL BE SIMILAR TO BENJAMIN HEAVY DUTY WATER TIGHT ANGLE WALL FIXTURES #6808 WITH LUGS.
THE CEILING LIGHTS IN THE OFFICE, LOCKER RM., & TOILET RM. SHALL BE SIMILAR TO IVANHOE CLOSE CEILING FIXTURE #M-1221 WITH POL. CHROM. FINISH.
THE CEILING LIGHTS IN THE ACCOUNTING RM. SHALL BE SIMILAR TO IVANHOE No. H 42748 WITH POL. CHROMIUM FINISH.
FOR DETAILS OF ELECTRICAL WORK SEE SHEETS 33 & 34.

CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL. TO DAVENPORT, IA.

LOCKER HOUSE

SCALE: As Noted
DATE: 2-15-30
ASH-HOWARD-NEEDLES & TAMMEN
CONSULTING ENGINEERS
KANSAS CITY NEW YORK
SHEET NO. 30

081-9905

USER NAME = s1pkovac	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2:8.0000 1' = 1/8"	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

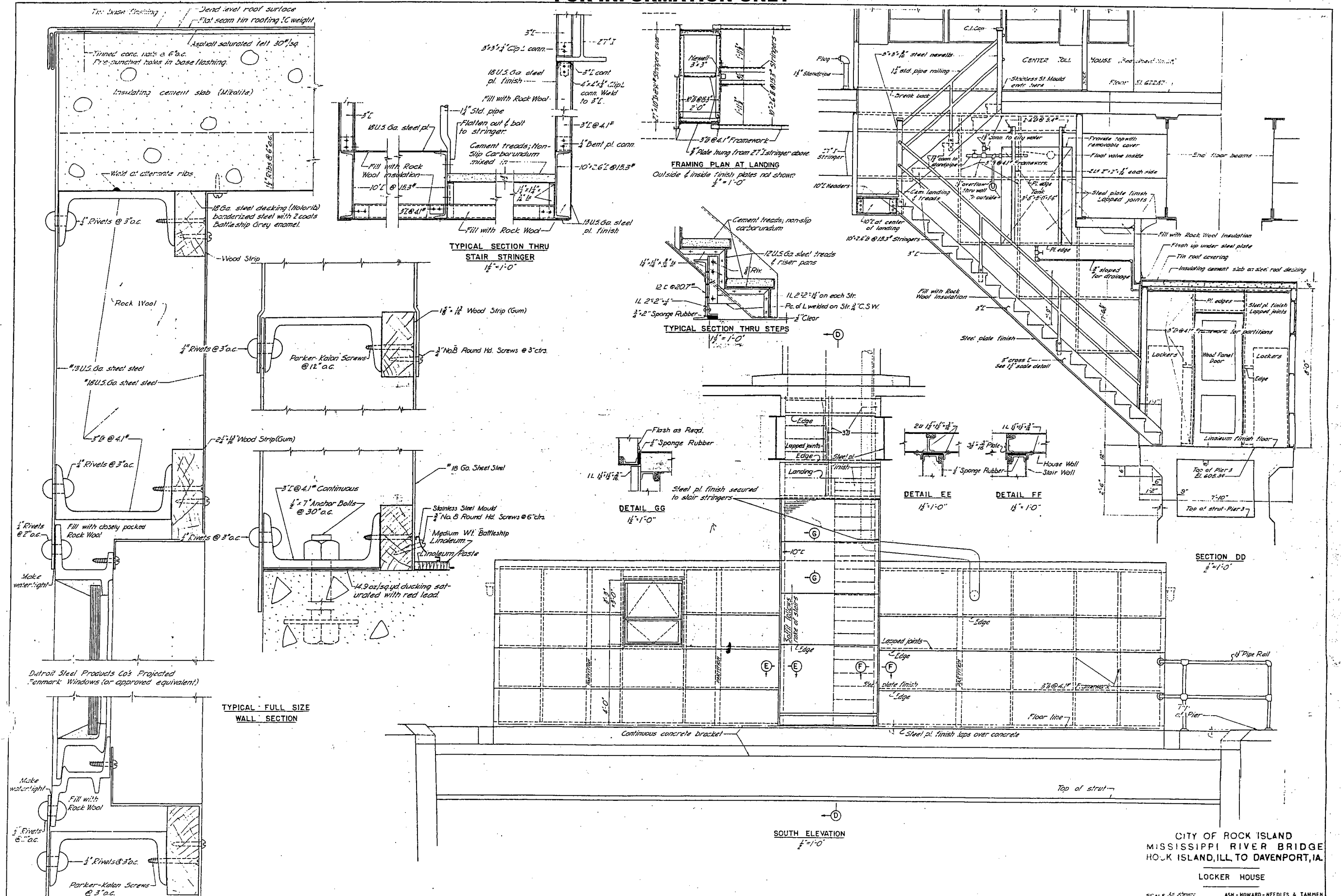
SN 081-9905
LOCKER HOUSE

SHEET OF SHEETS

F.A.P. R.T.E. 599	SECTION (3BR) M-1	COUNTY ROCK ISLAND	TOTAL SHEETS 59	SHEET NO. 58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J48	

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FOR INFORMATION ONLY



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PLOT SCALE = 2:8.0000 1" = 1'-0"	CHECKED -	REVISED -
PLOT DATE = 8/6/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SN 081-9905
LOCKER HOUSE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(3BR) M-1	ROCK ISLAND	59	59
CONTRACT NO. 64J48			ILLINOIS FED. AID PROJECT	

**CITY OF ROCK ISLAND
MISSISSIPPI RIVER BRIDGE
ROCK ISLAND, ILL TO DAVENPORT, IA.
LOCKER HOUSE**

SCALE AS SHOWN ASH - HOWARD - NEEDLES & TAMMEN