

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS 3 - 4

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION D5 BRIDGE PAINTING 2019-3
PROJECT NHPP-STP-VCS8(271)
BRIDGE PAINTING
CHAMPAIGN & VERMILION COUNTIES

C-95-017-19

F.A. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAP.			27	1

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

D-95-013-19

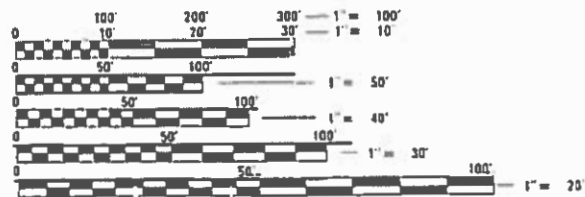


	CURRENT ADT				
	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
ADT (2017)	8,500	8,500	10,400	325	1,100
	I-72 EB	I-72 WB	IL 1 NB IL 1 SB	TEXAS AVE.	C.H. 18

TRAFFIC DATA LOCATIONS

LOC. #1 - S.N. 010-0034 - FAI 72 (I-72 EB) OVER I-57 - W. OF CHAMPAIGN
 LOC. #2 - S.N. 010-0035 - FAI 72 (I-72 WB) OVER I-57 - W. OF CHAMPAIGN
 LOC. #3 - S.N. 092-0038 - FAP 332 (IL 1 / US 150) OVER I-74 - S. OF DANVILLE
 LOC. #4 - S.N. 092-0027 - FAU 7045 (BOWMAN AVE) OVER TEXAS AVE - DANVILLE
 LOC. #5 - S.N. 092-0094 - FAS 513 (CH 18) OVER JORDAN CREEK - 1 MI S. OF FAIRMOUNT

FOR LOCATION MAPS, SEE SHEETS 5, 7-8, 10



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: JASON STULTS
SQUAD LEADER: MICHAEL LEROY
(217)465-4181

CONTRACT NO. 70D58

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12 7 2018
Kenneth A. Benoit
 REGIONAL ENGINEER

Feb 1 2019
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

Feb 20 19
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
5-11	MAPS & DESCRIPTIONS FOR LOCATIONS #1 - #5
3-4	SUMMARY OF QUANTITIES
12-17	LOCATION #1 & #2 STRUCTURE DETAILS
18-22	LOCATION #3 STRUCTURE DETAILS
23-25	LOCATION #4 STRUCTURE DETAILS
26-27	LOCATION #5 STRUCTURE DETAILS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701316-12	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS > 45 MPH
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASURE SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

GN 105.07C
EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE ITS OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF, AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

G.N.-506 (SPL.)
ALL FINAL SURFACES OF THE BEAMS SHALL BE PAINTED GRAY (MUNSELL COLOR STANDARD - 5B 7/1) EXCEPT THE EXTERIOR SURFACES OF THE EXTERIOR BEAMS WHICH SHALL BE PAINTED WITH EITHER INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8) OR REDDISH BROWN (MUNSELL COLOR STANDARD 2.5YR 3/4) AS SPECIFIED UNDER THE DESCRIPTION FOR EACH STRUCTURE.

ONLY STRUCTURAL STEEL AND OTHER DESIGNATED SURFACES SHALL BE PAINTED. ALL OTHER SURFACES SHALL BE PROTECTED FROM CONTRACTORS BLASTING AND PAINTING OPERATIONS. ANY AREAS DAMAGED BY BLASTING OR OVERSPRAY WILL BE REMOVED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

THE ENDS OF THE 2 1/2" DIAMETER STAINLESS STEEL PINS (ONLY) SHALL BE COVERED AND NOT PAINTED. THE HEX NUTS AND LINKS SHALL BE PAINTED.

THE SSPC-QP1 AND QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

ALL TRASH AND PAINTING DEBRIS, EXCLUDING WASTE BARRELS OR ROLL-OFF DUMPSTERS, SHALL BE REMOVED BEFORE BEGINNING WORK AT ANOTHER LOCATION.

2 YEAR PAINT WARRANTY REQUIRED AT LOCATIONS #4 AND #5

NO COMMITMENTS

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

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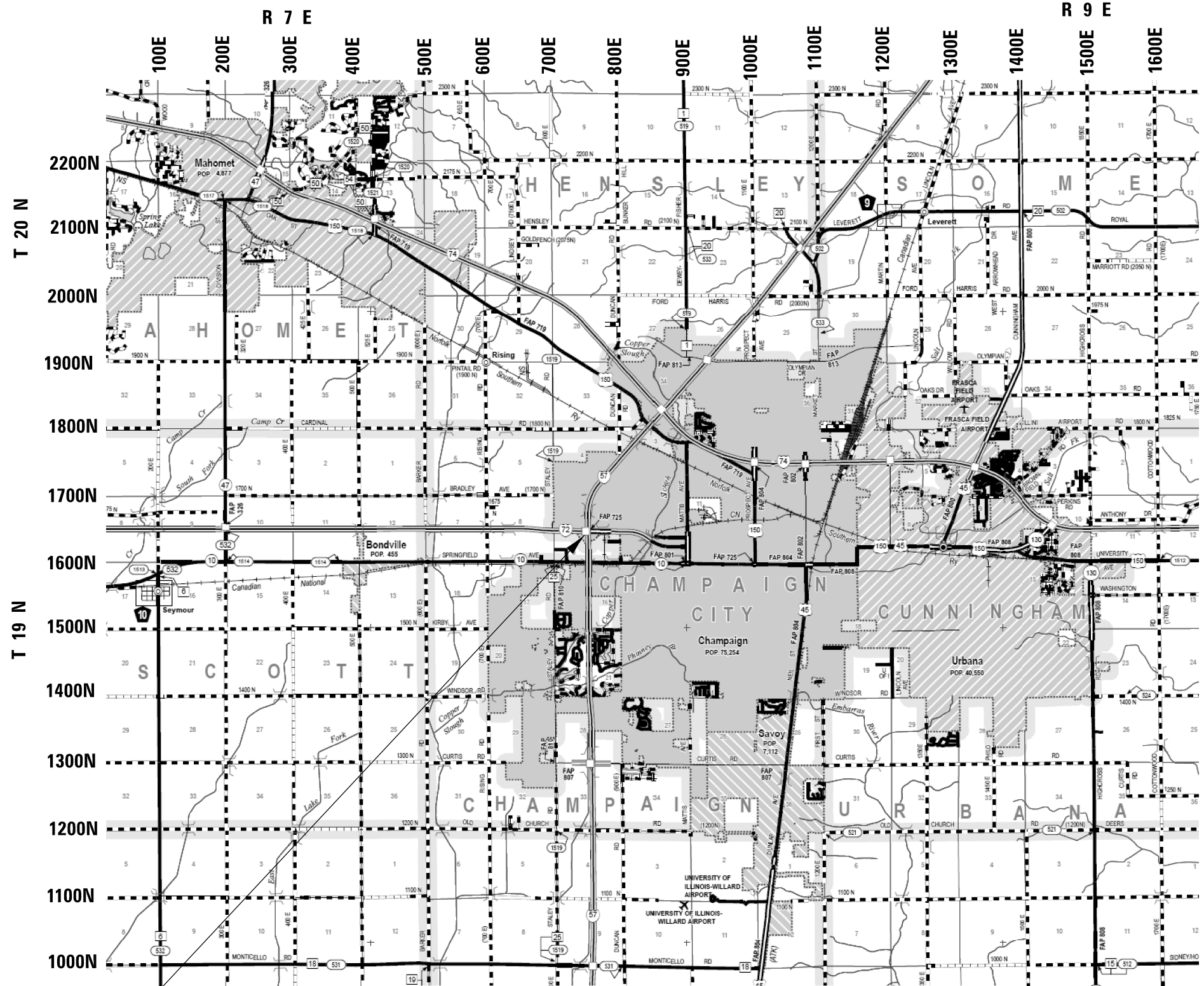
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES & SCHEDULE OF QUANTITIES**

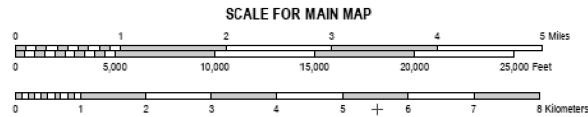
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	2
			CONTRACT NO. 70D58	
ILLINOIS FED. AID PROJECT				

LOCATION #1 & #2



LOCATION #1 & #2
 S.N. 010-0034 (EB)
 S.N. 010-0035 (WB)
 I-72 OVER I-57



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 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
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PLOT DATE = 12/7/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION MAP #1 & #2

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	3
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

LOCATION #1

DESCRIPTION

DESCRIPTION: I-72 EB over I-57 west of Champaign
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. 72
 MARKED ROUTE: I-72
 SECTION: 10-33HB-2
 STRUCTURE NO.: 010-0034 (EB)
 TYPE OF STRUCTURE: CONTINUOUS STEEL

ONLY PAINTING BEAM ENDS AT ABUTMENTS AND PIN & LINK CONNECTIONS

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL IN SPANS 1 AND 4 MEASURED FIVE (5) FT. ALONG THE BEAM LINES FROM EACH END OF THE STRUCTURE SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. IN ADDITION, ALL BEAMS, DIAPHRAGMS, LINKS, AND OTHER STRUCTURAL STEEL IN SPANS 1 AND 4 MEASURED FIVE (5) FT. ALONG THE BEAM LINES FROM EACH PIN & LINK ASSEMBLY SHALL ALSO BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE CONTRACTOR SHALL PROTECT EXISTING UTILITY CONDUITS, LIGHTS, AND SURVILLANCE CAMERAS FROM DAMAGE FROM THE CONTRACTORS BLASTING AND PAINTING OPERATIONS BY MEANS APPROVED BY THE ENGINEER AT NO ADDITIONAL COST.

NOTE: DECK DRAINS WITHIN THE PAINT LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: THE ENDS OF THE 2 1/2" DIAMETER STAINLESS STEEL PINS (ONLY) SHALL BE COVERED AND NOT PAINTED. THE HEX NUTS AND LINKS SHALL BE PAINTED.

TRAFFIC CONTROL AND PROTECTION

IT IS ANTICIPATED THAT THE CONTRACTOR WILL PAINT LOCATIONS #1 & #2 FROM THE MEDIAN, UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701101. SEE SPECIAL PROVISIONS

LOCATION #2

DESCRIPTION

DESCRIPTION: I-72 WB over I-57 west of Champaign
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. 72
 MARKED ROUTE: I-72
 SECTION: 10-33HB-2
 STRUCTURE NO.: 010-0035 (WB)
 TYPE OF STRUCTURE: CONTINUOUS STEEL

ONLY PAINTING BEAM ENDS AT ABUTMENTS AND PIN & LINK CONNECTIONS

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL IN SPANS 1 AND 4 MEASURED FIVE (5) FT. ALONG THE BEAM LINES FROM EACH END OF THE STRUCTURE SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. IN ADDITION, ALL BEAMS, DIAPHRAGMS, LINKS, AND OTHER STRUCTURAL STEEL IN SPANS 1 AND 4 MEASURED FIVE (5) FT. ALONG THE BEAM LINES FROM EACH PIN & LINK ASSEMBLY SHALL ALSO BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

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NOTE: DECK DRAINS WITHIN THE PAINT LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: THE ENDS OF THE 2 1/2" DIAMETER STAINLESS STEEL PINS (ONLY) SHALL BE COVERED AND NOT PAINTED. THE HEX NUTS AND LINKS SHALL BE PAINTED.

TRAFFIC CONTROL AND PROTECTION

IT IS ANTICIPATED THAT THE CONTRACTOR WILL PAINT LOCATIONS #1 & #2 FROM THE MEDIAN, UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701101. SEE SPECIAL PROVISIONS

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* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

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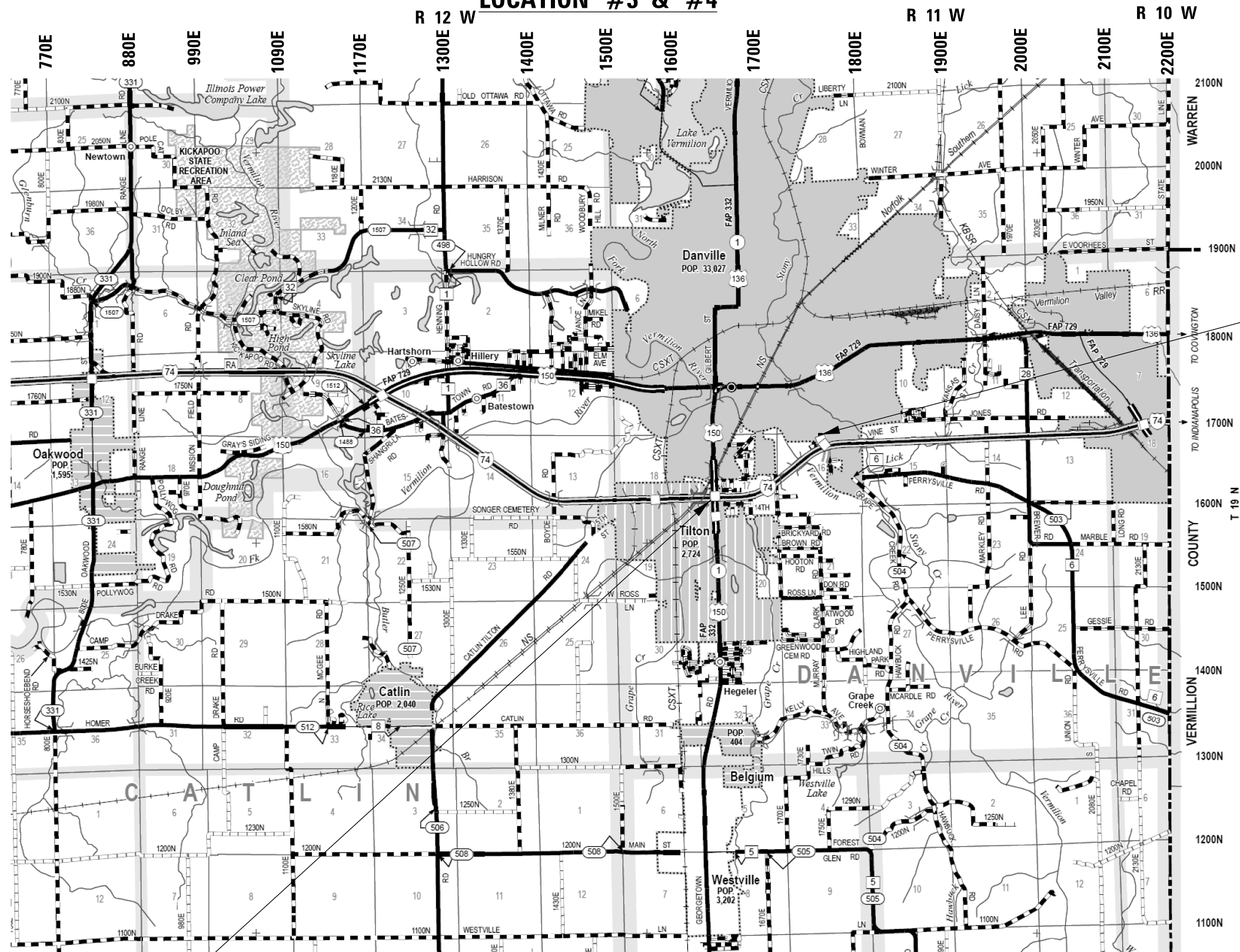
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DESCRIPTION OF WORK
 LOCATION #1 AND #2**

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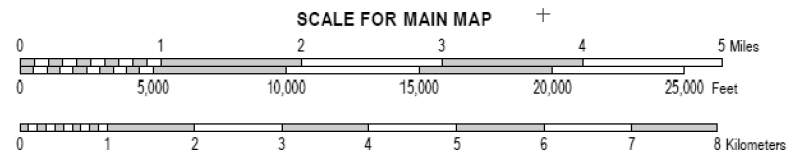
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	27	4
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

LOCATION #3 & #4



LOCATION #4
S.N. 092-0027
BOWMAN AVE.
OVER TEXAS AVE.

LOCATION #3
S.N. 010-0038
IL 1 OVER I-74



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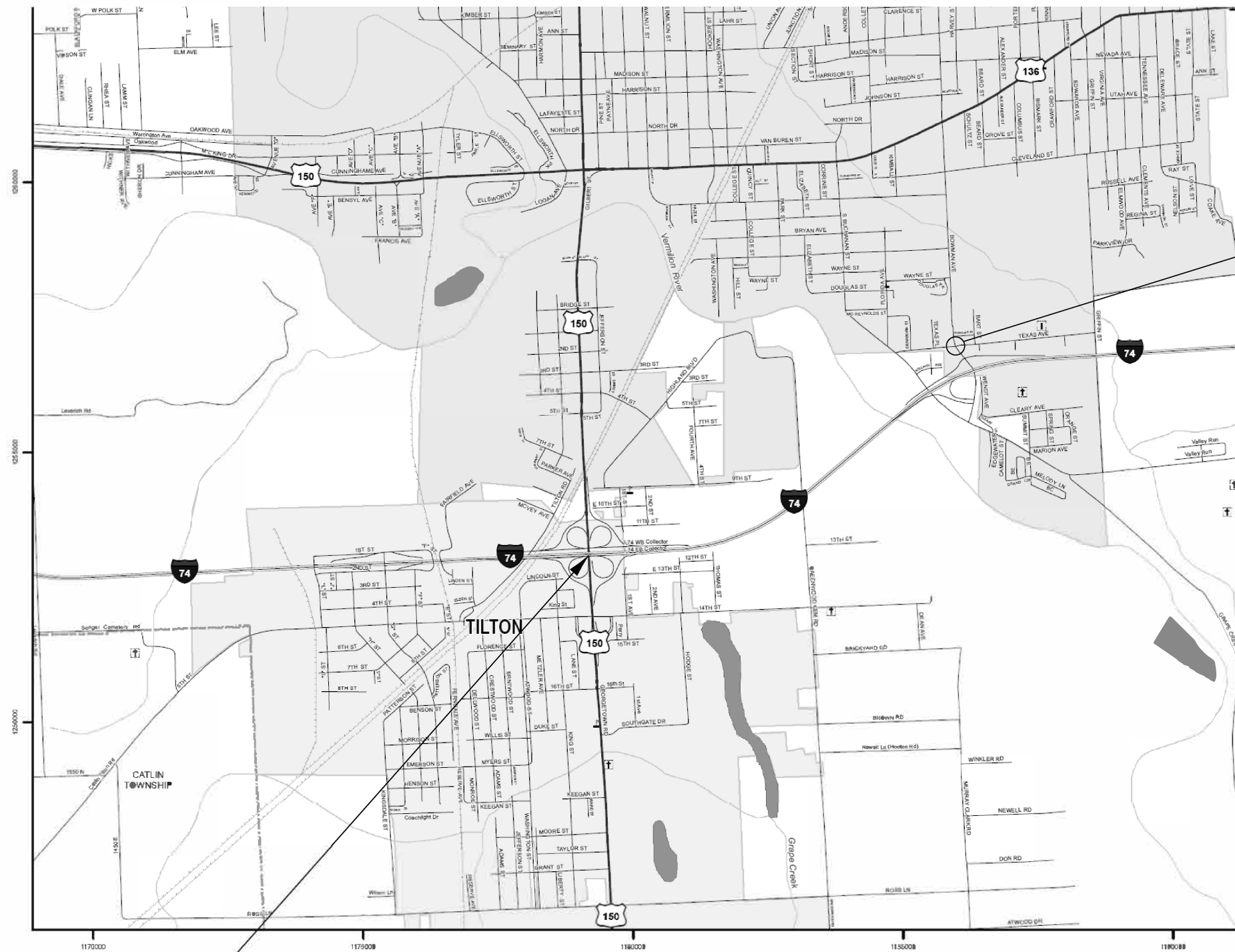
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP #3 & #4
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	5
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

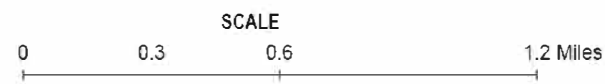
* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

LOCATION #3 & #4



LOCATION #4
S.N. 092-0027
BOWMAN AVE.
OVER TEXAS AVE.

LOCATION #3
S.N. 092-0038
IL 1 OVER I-74



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP #3 & #4

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

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LOCATION #3
DESCRIPTION

DESCRIPTION: F.A.P. 332 (IL 1/US 150) OVER I-74 south of Danville
 COUNTY: VERMILION
 ROUTE: F.A.P. 332 (IL 1/US 150)
 MARKED ROUTE: IL 1 / US 150
 SECTION: 92-11HB-5
 STRUCTURE NO.: 092-0038
 TYPE OF STRUCTURE: CONTINUOUS STEEL

ONLY PAINTING BEAM ENDS AT ABUTMENTS

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL IN SPANS 1 AND 6 MEASURED FIVE (5) FT. ALONG THE BEAM LINES FROM EACH END OF THE STRUCTURE SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE CONTRACTOR SHALL PROTECT EXISTING UTILITY CONDUITS, LIGHTS, AND SURVEILLANCE CAMERAS FROM DAMAGE FROM THE CONTRACTORS BLASTING AND PAINTING OPERATIONS BY MEANS APPROVED BY THE ENGINEER AT NO ADDITIONAL COST.

NOTE: DECK DRAINS WITHIN THE PAINT LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

TRAFFIC CONTROL AND PROTECTION

IT IS ANTICIPATED THAT THE CONTRACTOR WILL PAINT LOCATION #3 FROM THE NE AND SW CLOVERLEAF INFIELDS ACCESSED FROM IL 1, UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701101. SEE SPECIAL PROVISIONS

LOCATION #4
DESCRIPTION

DESCRIPTION: F.A.U. 7045 (BOWMAN AVE) OVER TEXAS AVE
 COUNTY: VERMILION
 ROUTE: F.A.U. 7045
 MARKED ROUTE: BOWMAN AVE
 SECTION: 92-12HB-3
 STRUCTURE NO.: 092-0027
 TYPE OF STRUCTURE: CONTINUOUS STEEL

PAINTING ENTIRE STRUCTURE

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1.

A MINIMUM OF FOUR (4) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE CONTRACTOR SHALL PROTECT EXISTING UTILITY CONDUITS AND LIGHTS FROM DAMAGE FROM THE CONTRACTORS BLASTING AND PAINTING OPERATIONS BY MEANS APPROVED BY THE ENGINEER AT NO ADDITIONAL COST

THE EXISTING BRIDGE HAS INTEGRAL ABUTMENTS WITH ONLY A SMALL PORTION OF THE BEARINGS NEEDING PAINTED AND NO END DIAPHRAGMS AT ALL

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION STANDARD 701501 SHALL BE USED FOR DAYTIME CLOSURES. THE CONTRACTOR HAS THE OPTION TO USE TRAFFIC CONTROL AND PROTECTION STANDARD 701316, SEE SPECIAL PROVISIONS

MODEL: \\MODELNAME
FILE NAME: \\FILENAME
PROJECT: \\PROJECT
OFFICE: \\OFFICE
DRAWN: \\DRAWN
CHECKED: \\CHECKED
DATE: \\DATE

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

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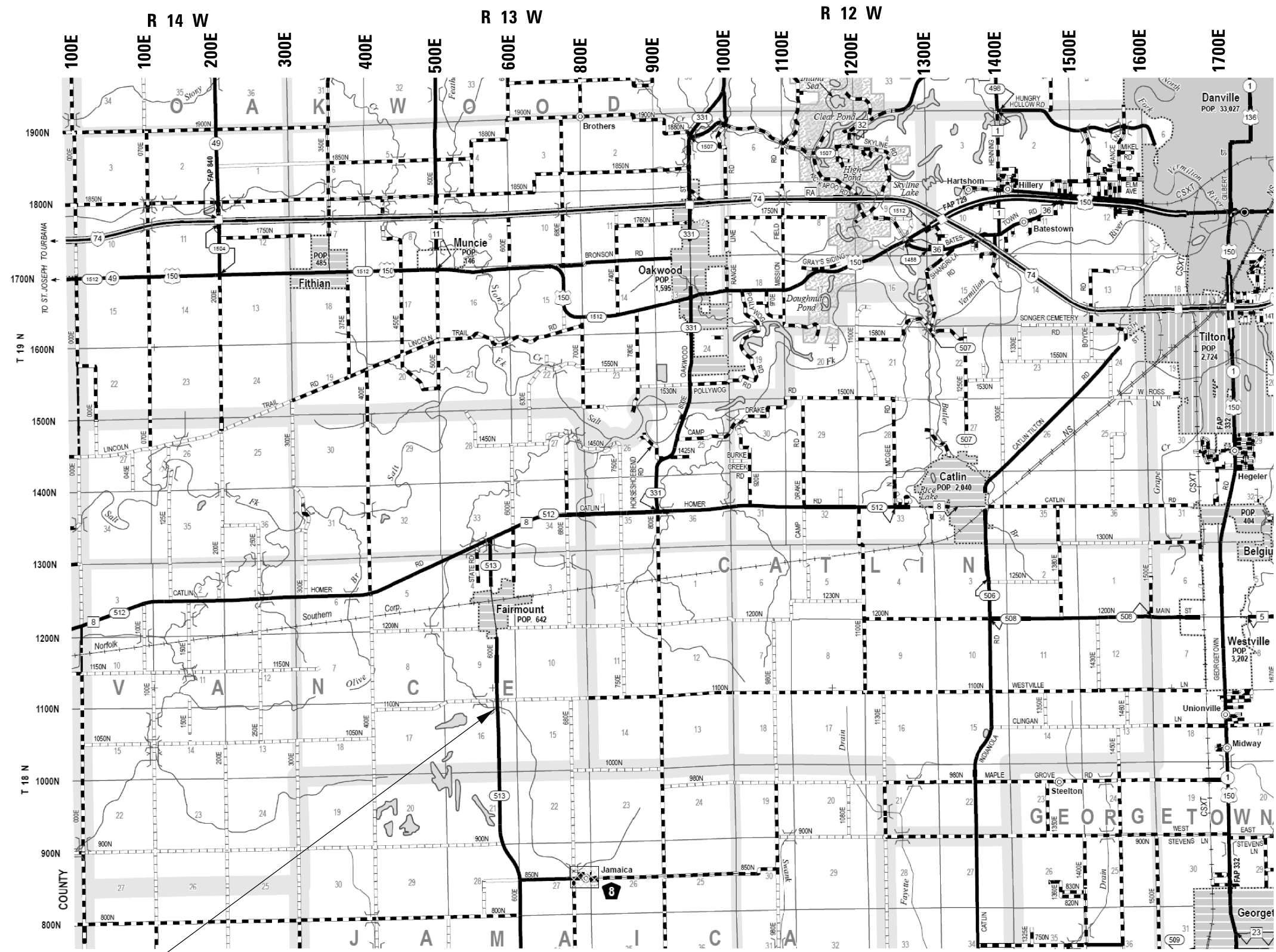
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK
LOCATION #3 AND #4

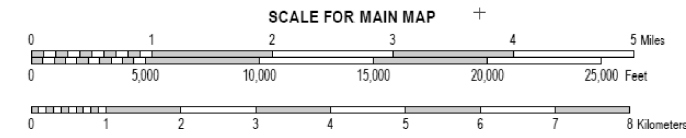
SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	27	7
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

LOCATION #5



LOCATION #5
 S.N. 092-0094
 F.A.S. 513 (C.H. 18)
 OVER JORDAN CREEK



MODEL: \\MODELNAME
 FILE: \\NAME.PLOT
 PROJECT: \\PROJECTNAME
 OFFICE: \\OFFICE
 DRAWN: \\DRAWN
 CHECKED: \\CHECKED
 DATE: \\DATE

USER NAME = leroyma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP #5			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	8
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

LOCATION #5
DESCRIPTION

DESCRIPTION: F.A.S. 513 (CH 18) over JORDAN CREEK - 1.1 MI S of FAIRMOUNT
 COUNTY: VERMILION
 ROUTE: F.A.S. 513
 MARKED ROUTE: CH 18
 SECTION: 54
 STRUCTURE NO.: 092-0094
 TYPE OF STRUCTURE: STEEL - SINGLE SPAN

PAINTING ENTIRE STRUCTURE

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL, AND THE HANDRAILS, SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, HANDRAILS, AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES, INCLUDING THE HANDRAILS, SHALL BE GRAY, MUNSELL NO. 5B 7/1.

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE EXISTING BRIDGE HAS INTEGRAL ABUTMENTS WITH ONLY A SMALL PORTION OF THE BEARINGS NEEDING PAINTED AND NO END DIAPHRAGMS AT ALL

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

TRAFFIC CONTROL AND PROTECTION

IT IS ANTICIPATED THAT THE CONTRACTOR WILL PAINT LOCATION #5 FROM THE NE AND SE QUADRANTS UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701006. TRAFFIC CONTROL AND PROTECTION STANDARD 701201 WILL BE PAID FOR WHEN LANE CLOSURES ARE NECESSARY.

MODEL: 44001E1M1M1E
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* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

USER NAME = leroyma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DESCRIPTION OF WORK
LOCATION #5**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	9
			CONTRACT NO. 70D58	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
	F.A.I. 72	F.A.I. 72	F.A.P. 332	F.A.P. 7045	F.A.S. 513
	S.N. 010-0034 EB	S.N. 010-0035 WB	S.N. 092-0038	S.N. 092-0027	S.N. 092-0094
	CHAMPAIGN CO.	CHAMPAIGN CO.	VERMILION CO.	VERMILION CO.	VERMILION CO.
	URBAN	URBAN	URBAN	URBAN	RURAL
	90% FEDERAL	90% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
	10 % STATE	10 % STATE	20 % STATE	20 % STATE	20 % STATE
	0047	0047	0047	0047	0047

CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	NHPP QUANTITY	NHPP QUANTITY	NHPP QUANTITY	STP QUANTITY	STP QUANTITY
67100100	MOBILIZATION	L SUM	1	0.20	0.20	0.20	0.20	0.20
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4			4.0		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1					1.0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1				1.0	
X5067504	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 4	L.SUM	1				1.0	
X5067505	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 5	L.SUM	1					1.0
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1.0				
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1		1.0			
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1			1.0		
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1				1.0	
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1					1.0
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1.0				
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1.0			
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1			1.0		

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* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

USER NAME = leroyma PLOT SCALE = 40.0000' / in. PLOT DATE = 12/7/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE. VAR. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO. 70D58 ILLINOIS FED. AID PROJECT
			SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.

SUMMARY OF QUANTITIES

LOCATION OF WORK:

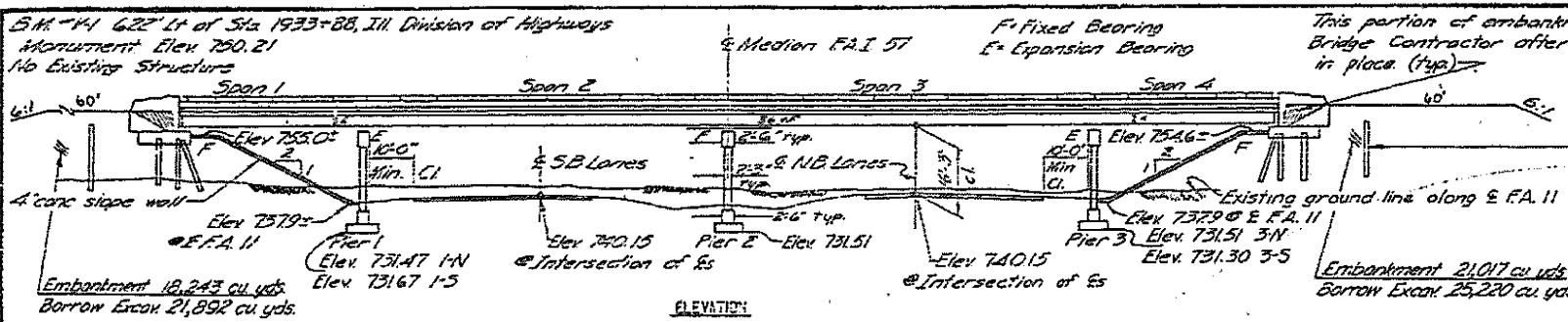
LOC. #1 F.A.I. 72 S.N. 010-0034 EB CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047	LOC. #2 F.A.I. 72 S.N. 010-0035 WB CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047	LOC. #3 F.A.P. 332 S.N. 092-0038 VERMILION CO. URBAN 80% FEDERAL 20 % STATE 0047	LOC. #4 F.A.P. 7045 S.N. 092-0027 VERMILION CO. URBAN 80% FEDERAL 20 % STATE 0047	LOC. #5 F.A.S. 513 S.N. 092-0094 VERMILION CO. RURAL 80% FEDERAL 20 % STATE 0047
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CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
				NHPP	NHPP	NHPP	STP	STP
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1				1.0	
Z0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1					1.0

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* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION



CORNER TABLE

CORNER	R1	R2	R3	STATION
N.W.	6'-0"	15'-0"	42'-0"	1959+24
				1959+32
S.W.	7'-0"	16'-0"	43'-0"	1959+35
				1962+11
N.E.	5'-0"	14'-0"	43'-0"	1962+04
				1962+14
S.E.	4'-0"	13'-0"	42'-0"	1962+05

BRIDGE DWG. 1 OF 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 57	10-33B-2	CHAMPAIGN	27	8

- GENERAL NOTES:**
- SPECIFICATIONS: THE STATE OF ILLINOIS 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' ADOPTED JANUARY 2, 1958 AND SUPPLEMENTAL SPECIFICATIONS EFFECTIVE MARCH 2, 1962 SHALL APPLY.
 - CONCRETE: CLASS A CONCRETE SHALL BE USED THROUGHOUT. THE CONCRETE FLOOR SHALL BE POURED IN ONE CONTINUOUS OPERATION BETWEEN CONSTRUCTION JOINTS IN ACCORDANCE WITH ARTICLE 60.1.1 AND SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 51.15 OF THE STANDARD SPECIFICATIONS. COARSE AGGREGATE WHICH IS TO BE USED IN PARAPETS AND END POSTS MUST BE FREE OF CURT, FLINT, LIMONITE, LIGNITE, AND SOFT SANDSTONE.
 - PAINTS: EXCEPT AS OTHERWISE PROVIDED ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT IN ACCORDANCE WITH ARTICLES 56.1 THROUGH 56.5 OF THE STANDARD SPECIFICATIONS. ALL PAINT SHALL BE FURNISHED AND APPLIED BY THE CONTRACTOR.
 - PREDRILLS: HOLES SHALL BE PREDRILLED FOR THE ABUTMENT PILES IN ACCORDANCE WITH ARTICLE 60.3 (c) OF THE STANDARD SPECIFICATIONS.
 - TEST PILES: THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE AT ABUT. 1-N & 2-S IN PERMANENT LOCATION IN ACCORDANCE WITH ARTICLE 60.15 OF THE STANDARD SPECIFICATIONS BEFORE ORDERING THE REMAINDER OF THE PILES.
 - PERMANENT METAL EDGERS WILL NOT BE PERMITTED IN FORMING THE CONCRETE FLOOR.

- GEOMETRY NOTES**
- CURE TO CURED ROADWAY WIDTH VARIES LINEARLY BETWEEN THE DIMENSIONS SHOWN AT THE BACK OF ABUTMENTS.

FUNCTIONS OF SKEW ANGLE

ANGLE	FUNCTION
1°-22'-45"	0.0205557
1°-22'-45"	0.9971031
1°-22'-45"	0.0205555

DESIGN STRESSES

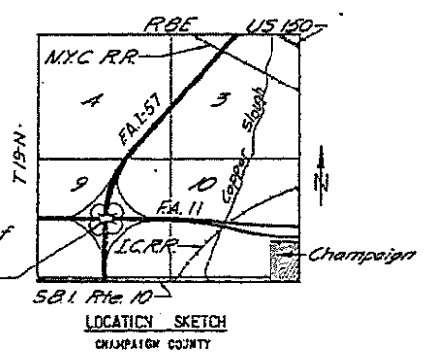
TYPE	STRESS
FC	4,100 PSI
FS	20,000 PSI (STEEL)
FS	20,000 PSI (CONCRETE)
FS	10
L.L. DEF.	1/1000

LOADING: H20-316-44

STATION 481+91.99
BUILT 1968 BY
STATE OF ILLINOIS
F.A. 1, RTE. 57 SEC. 10-33B-2
F.A. PROJECT 1-57-5 (20)
LOADING: H20-316-44

SEE STANDARD 2113-1 & LOCATE AS SHOWN ON BRIDGE DWG. 6 OF 15.

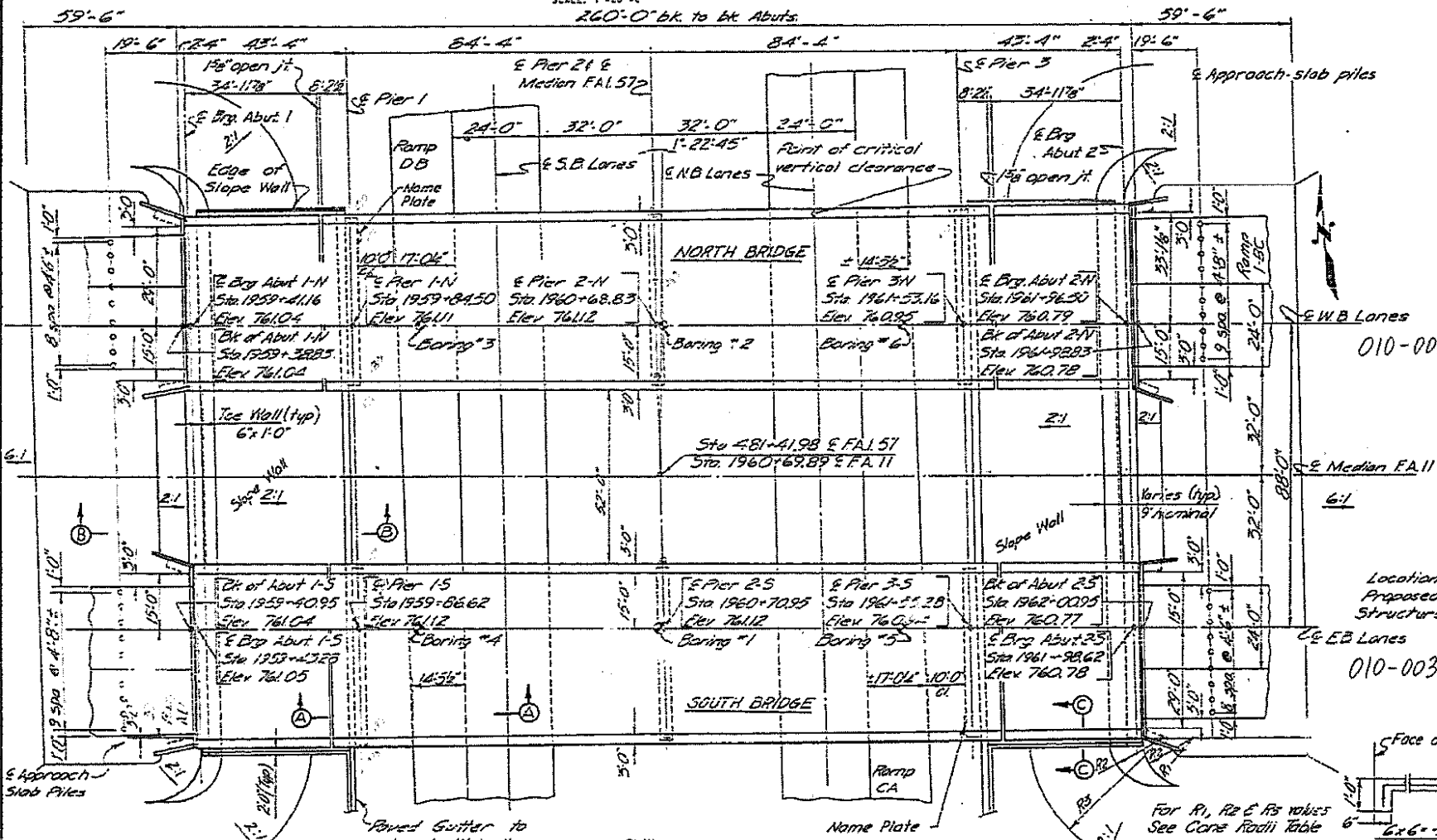
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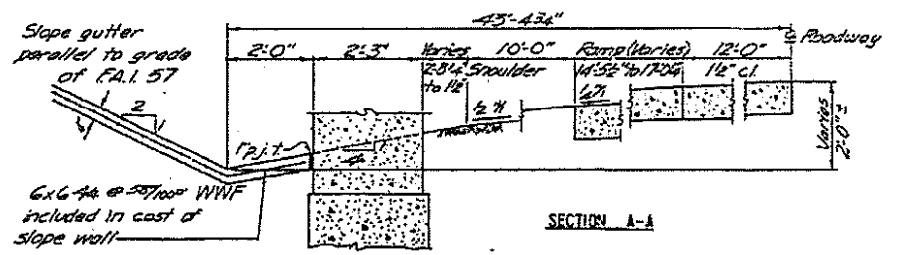
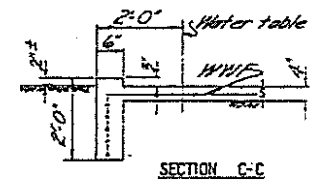
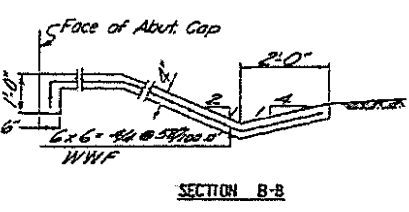
TOTAL BILL OF MATERIAL SEC. 10-33B-2

ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
BORROW EXCAVATION	CU. YDS.	47,112	2.44	115,053.28
CLASS A EXCAV. FOR STRUCTS.	CU. YDS.	1,375	1.75	2,406.25
CLASS A CONCRETE	CU. YDS.	775.7	1.20	930.84
FURNISHING & ERECT. STRUCT. STEEL	TONS	833.033	1.22	1,017.30
ALUMINUM ANGLE	LINEAL FT.	1,023	1.22	1,248.06
REINFORCEMENT BARS	LINEAL FT.	172,514	0.005	862.57
CORRODED PILES (UP TO 20')	LINEAL FT.	570	5.40	3,078.00
CONCRETE PILES	LINEAL FT.	1,750	1.20	2,100.00
TEST PILE: (CONCRETE)	EA	2	2.00	4.00
NAME PLATES	EA	2	2.00	4.00
SLOPE WALL	SQ. YDS.	1,633	1.63	2,661.89
PROTECTIVE COAT	SQ. YDS.	3,248	3.25	10,556.00
BRIDGE SEAT SEALANT	LIN. FT.	1	1.00	1.00

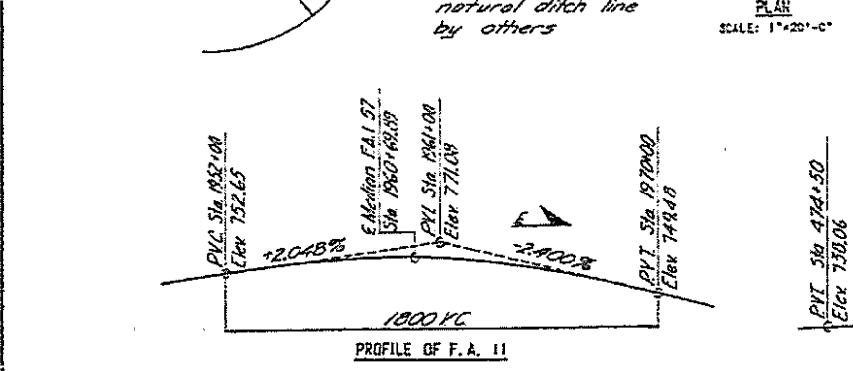
* NO OVERHAUL SHALL BE ALLOWED.
** INCLUDES 163 CU. YDS. OF EXCAVATION FOR SLOPE WALL.
*** Applied at Abutments only.



PLAN SCALE: 1"=20'-0"



SLOPE WALL AND GUTTER DETAILS



PROFILE OF F.A. 11

PROFILE OF F.A. 17

NO.	REVISION	BY	DATE
GENERAL PLAN AND ELEVATION			
SECTION 10-33B-2		STATION 481+91.99	
F.A. 1, RTE. 57		PROJECT 1-57-5 (20)	
CHAMPAIGN COUNTY			
CLARK, DAILY, DIETZ & ASSOCIATES			
CONSULTING ENGINEERS			
URBANA, ILLINOIS			
DESIGNED CBP	SCALE AS NOTED	SHEET 1	
DRAWN EJA	DATE 1-3-63	OF 15	
CHECKED CBP		JOB NO. 3449A	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1 & #2
S.N. 010-0034 & 010-0035

SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			27	12
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

USER NAME	DESIGNED	REVISION
leroyma	-	-
	DRAWN	REVISION
	CHECKED	REVISION
	DATE	REVISION

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 PLOT SCALE = 40,0000 "/in.
 PLOT DATE = 12/7/2018

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

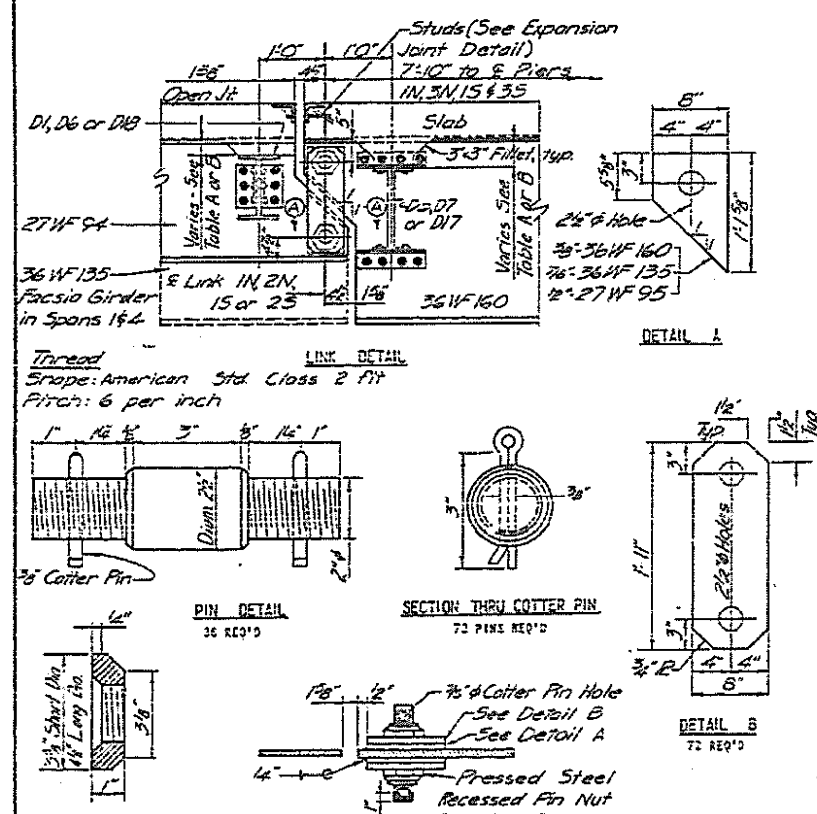
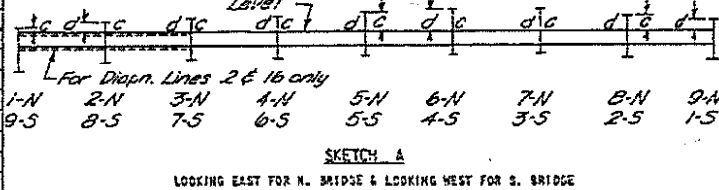


TABLE OF TOP OF BEAM ELEVATIONS
 ELEVATIONS ARE TO TOP OF ROLLED BEAM FLANGE INCLUDING LOCATIONS WHERE SPlice PLATES OR COVER PLATES ARE PRESENT. BEAMS ARE ASSUMED STRAIGHT BETWEEN SPlice BEFORE DEAD LOAD DEFLECTION. *DEAD LOAD DEFLECTION IS NOT INCLUDED.

BEAM	ABUT. 1-N OR 1-S	2-LINK 1-N OR 1-S	3-PIER 1-N OR 1-S	4-SPlice 1-N OR 1-S	5-PIER 2-N OR 2-S	6-SPlice 2-N OR 2-S	7-PIER 3-N OR 3-S	8-LINK 2-N OR 2-S	9-ABUT. 2-N OR 2-S
NORTH BRIDGE									
1-N	759.958	760.019	760.013	759.955	759.919	759.933	759.790	759.777	759.624
2-N	760.004	760.079	760.076	760.008	760.008	760.003	759.911	759.896	759.758
3-N	760.135	760.209	760.205	760.170	759.169	760.160	760.041	760.026	759.885
4-N	760.245	760.319	760.316	760.309	760.300	760.291	760.171	760.156	760.015
5-N	760.228	760.302	760.298	760.231	760.232	760.223	760.293	760.278	760.137
6-N	760.352	760.427	760.423	760.424	760.485	760.476	760.356	760.341	760.200
7-N	760.468	760.523	760.519	760.490	760.481	760.472	760.352	760.337	760.195
8-N	760.377	760.451	760.447	760.418	760.409	760.400	760.279	760.264	760.123
9-N	760.291	760.328	760.322	760.293	760.283	760.273	760.153	760.138	759.996
SOUTH BRIDGE									
1-S	760.254	760.327	760.320	760.292	760.282	760.272	760.149	760.134	759.991
2-S	760.350	760.455	760.449	760.417	760.407	760.397	760.274	760.259	760.116
3-S	760.445	760.525	760.521	760.489	760.479	760.469	760.346	760.331	760.187
4-S	760.457	760.529	760.525	760.493	760.483	760.473	760.350	760.335	760.190
5-S	760.394	760.456	760.452	760.420	760.410	760.400	760.285	760.270	760.129
6-S	760.271	760.343	760.339	760.307	760.297	760.287	760.162	760.147	760.003
7-S	760.192	760.313	760.309	760.277	760.166	760.156	760.031	760.016	759.872
8-S	760.042	760.053	760.079	760.047	760.036	760.025	759.801	759.805	759.741
9-S	759.810	759.865	759.862	759.850	759.845	759.842	759.823	759.825	759.692

Note: Tops of all diaphragms are level. No stepping except at diaphragm lines 2 & 16. Use 8"x6"x1/2"-8' long @ beams 3-N & 7-S in diaphragm lines 2 & 16.



FIXED BEARING DIMENSIONS

LOCATION	BEAM	14	16	17	18	19	20	D	DN
ABUT. 1	1-N	11"	18"	14"	24"	22"	28"	12"	
	1-S	13"	21"	17"	1"	32"	6"	2"	
PIER 2	1-N	12"	19"	19"	12"	3"	6"	2"	
	1-S	12"	19"	19"	12"	3"	6"	2"	

TABLE OF FILL PLATES

LOCATION	BEAM	1-N	2-N	3-N	4-N	5-N	6-N	7-N	8-N	9-N
ABUT. 1	1-N	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
	1-S	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
PIER 2	1-N	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
	1-S	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"

TABLE A

DIAPHRAGM LINE	NORTH BRIDGE									SOUTH BRIDGE								
	1-N	2-N	3-N	4-N	5-N	6-N	7-N	8-N	9-N	1-S	2-S	3-S	4-S	5-S	6-S	7-S	8-S	9-S
1, 3, 15	c	*	4 1/2"	6 1/2"	7 1/4"	9 1/8"	9 1/8"	9 1/8"	9	9	9 1/8"	9 1/8"	9 1/8"	7 1/4"	6 1/2"	4 1/2"	*	*
4, 17	d	4 1/2"	6 1/2"	7 1/4"	9 1/8"	9 1/8"	9 1/8"	9	9	9 1/8"	9 1/8"	9 1/8"	7 1/4"	6 1/2"	4 1/2"	*	*	
2 & 16	c	*	7 1/8"	5 1/4"	7 1/8"	9 1/8"	9 1/8"	9 1/8"	9 1/8"	9 1/8"	9 1/8"	9 1/8"	7 1/8"	5 1/4"	7 1/8"	*	*	
10, 11, 12 & 14	c	*	7 1/8"	19 1/8"	10 1/4"	12 1/8"	12 1/8"	12 1/8"	12 1/8"	12 1/8"	12 1/8"	12 1/8"	12 1/8"	10 1/4"	9 1/8"	7 1/8"	*	
5, 9 & 13	c	*	8 1/2"	10 1/2"	11 1/4"	13 1/8"	14 1/8"	14 1/8"	14 1/8"	14 1/8"	14 1/8"	13 1/8"	13 1/8"	10 1/2"	8 1/2"	*	*	

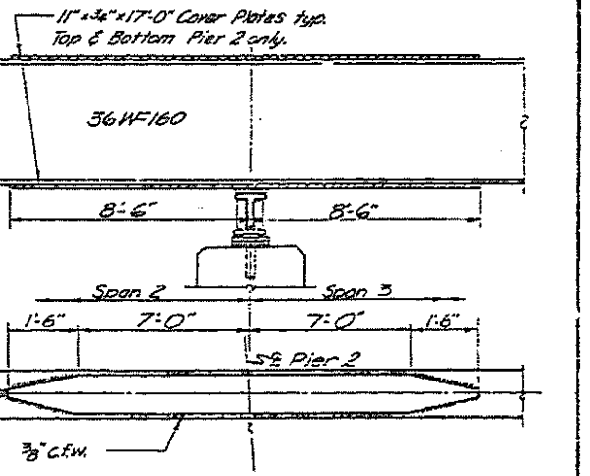
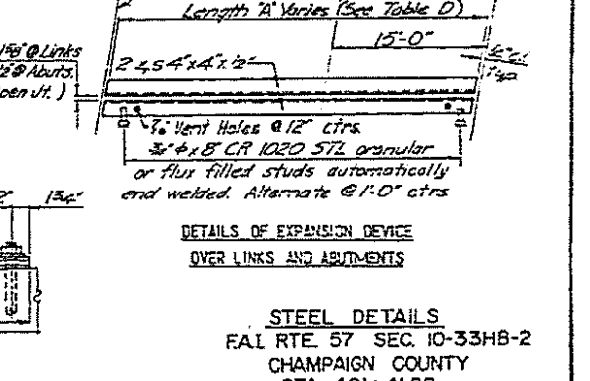
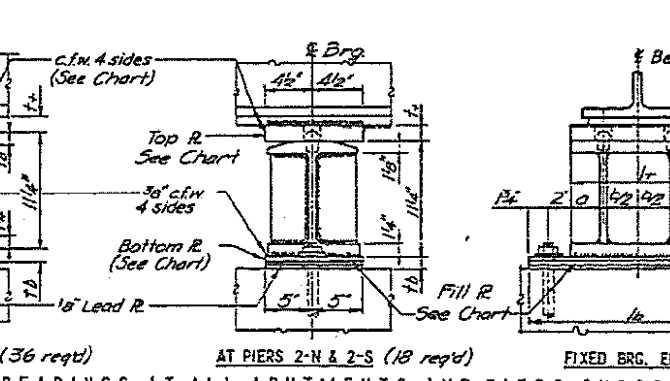
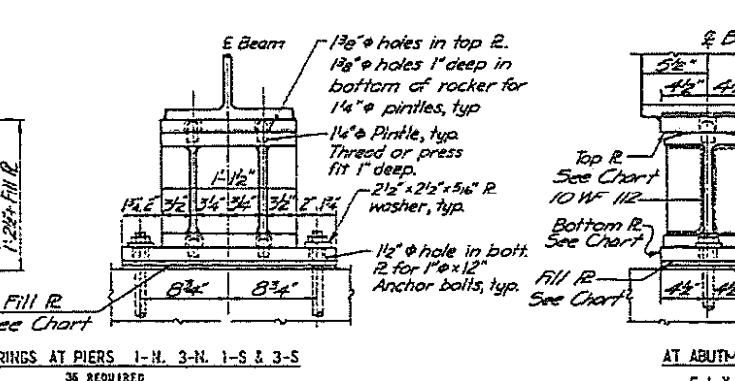
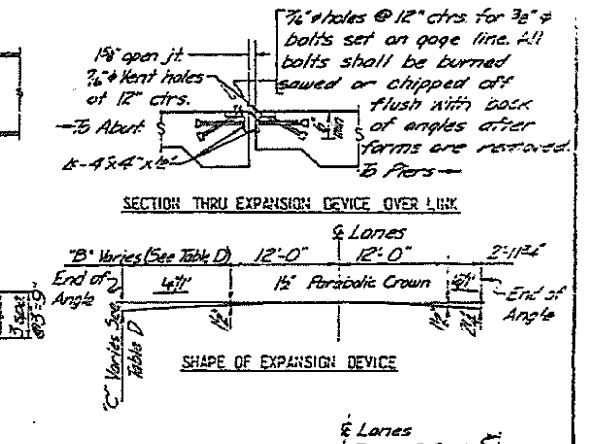
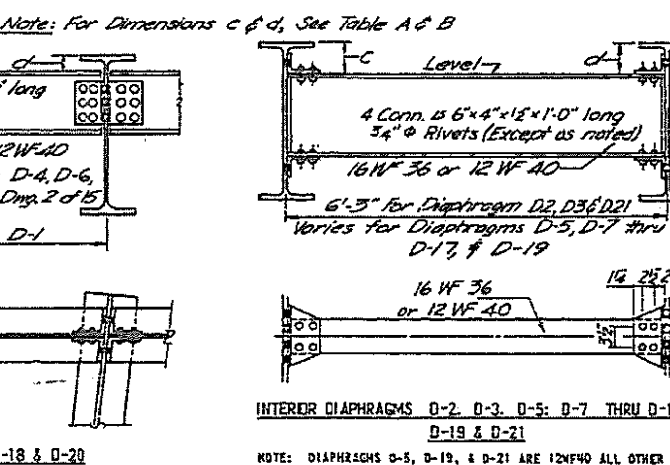
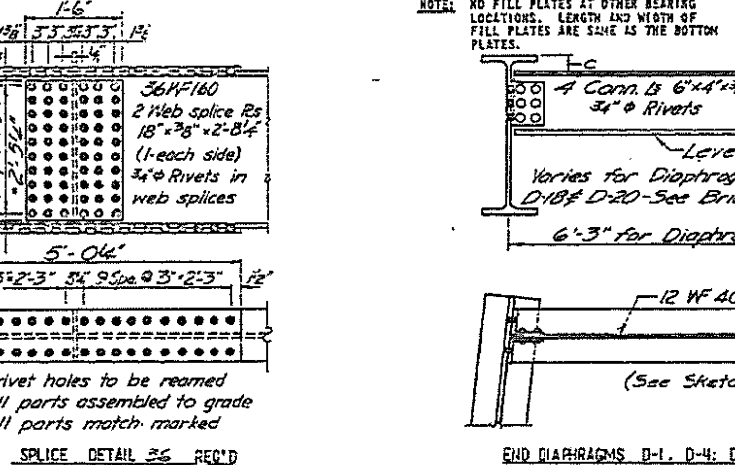
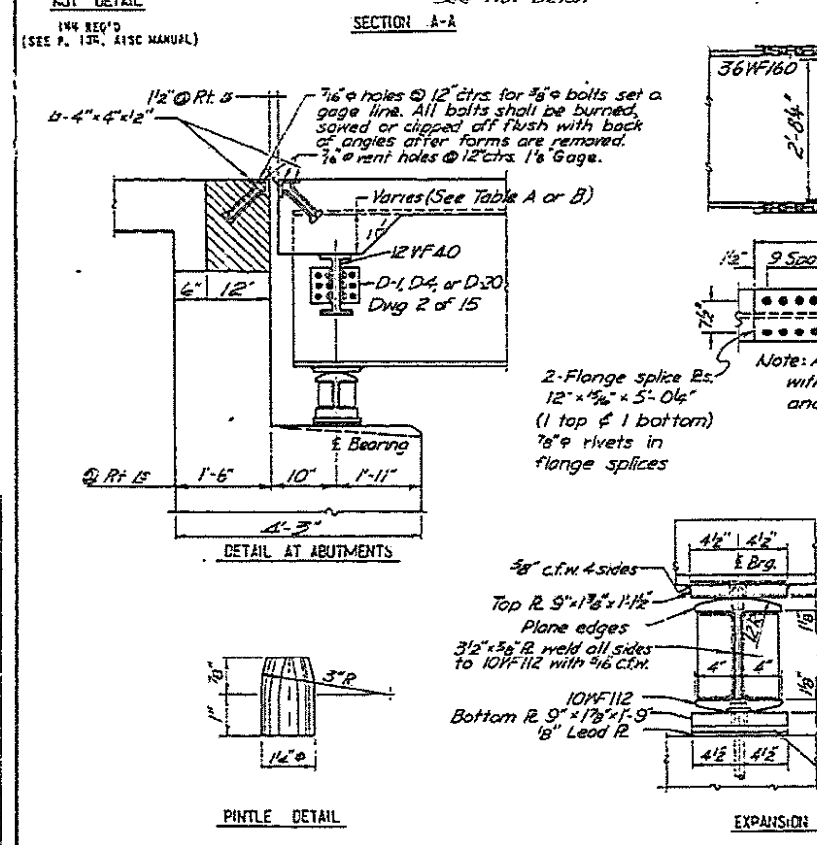


TABLE D (SHOWING DIMENSIONS & DETAILS OF EXPANSION DEVICE)

LOCATION	LENGTH 1"	LENGTH 3"	DEPTH 1"	NO. OF STIFFENERS
Abut 1-N & 2-S	44'-0"	17'-0"	5 1/2"	88
Link 1-N & 2-S	44'-6 1/2"	17'-6 1/2"	5 1/8"	88
Link 2-N & 1-S	47'-5 1/2"	20'-5 1/2"	6 1/8"	96
Abut 2-N & 1-S	48'-0"	21'-0 1/2"	6 3/4"	96



STEEL DETAILS
 FAL RTE. 57 SEC. 10-33H-2
 CHAMPAIGN COUNTY
 STA. 481+41.98
 BRIDGE DWG. 3 OF 15
 JOB NO. 334-V941

MODEL: 34082L001
 FILE NAME: 34082L001.DWG
 PROJECT: 010-0034 & 010-0035
 SHEET: 27 OF 10
 DATE: 12/7/2018

USER NAME = leroya	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 "/in.	DRAWN -	REVISED -
PLOT DATE = 12/7/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION #1 & #2
 S.N. 010-0034 & 010-0035

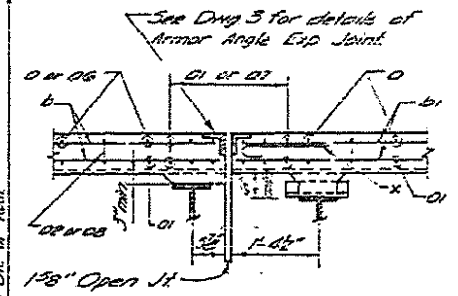
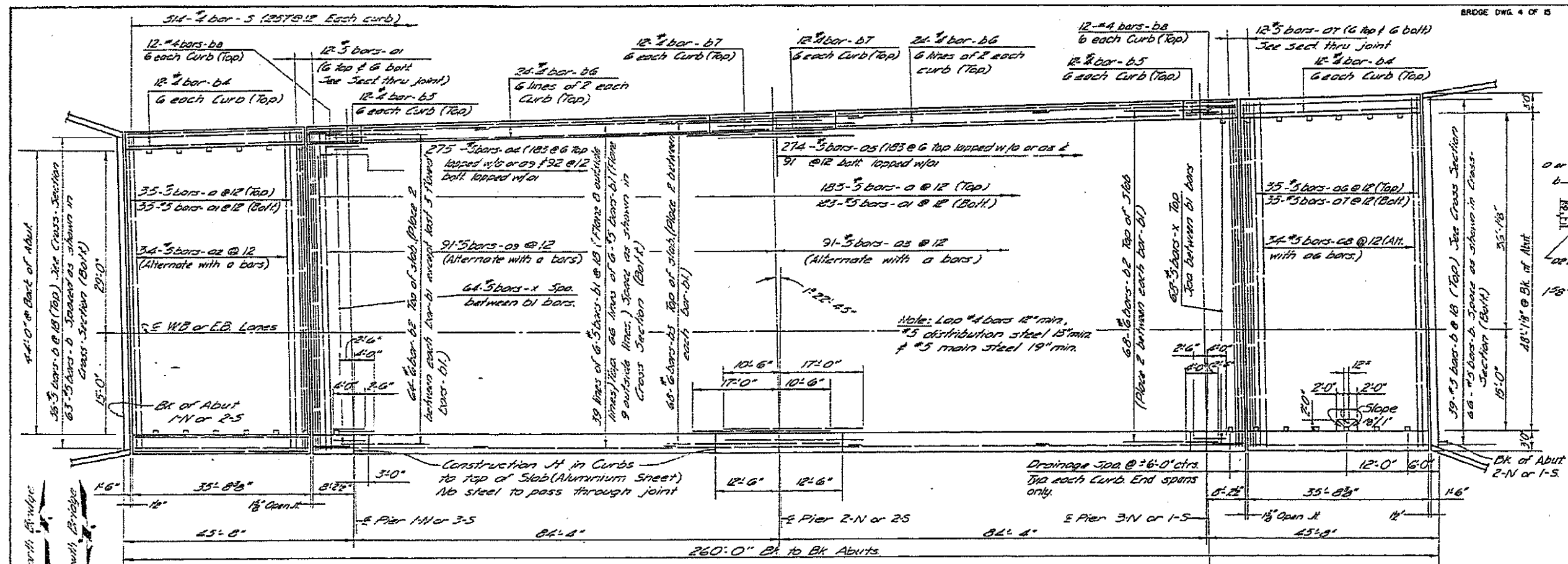
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	14
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

AS-BUILT PLANS - FOR INFORMATION ONLY

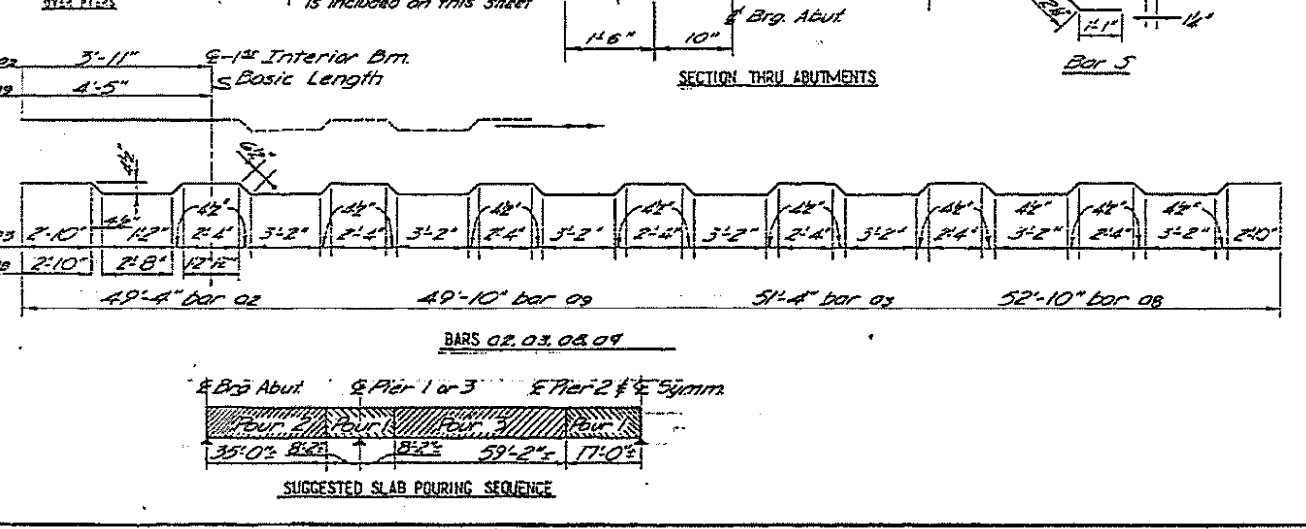
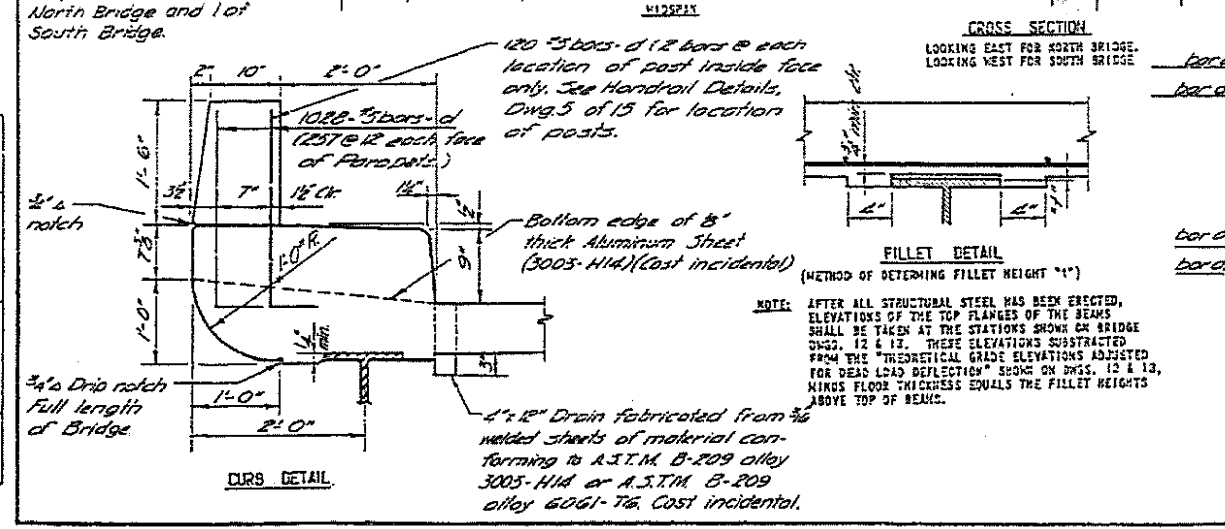
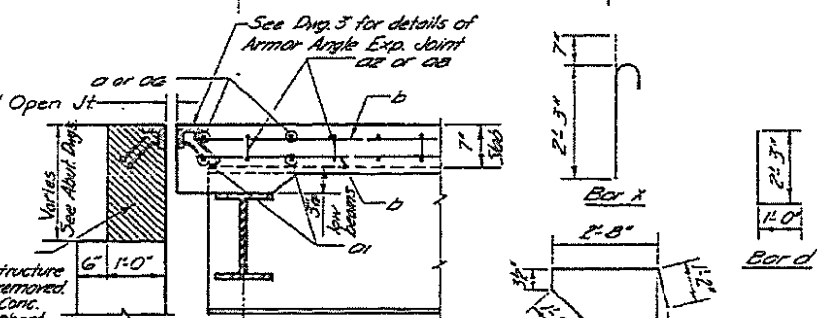
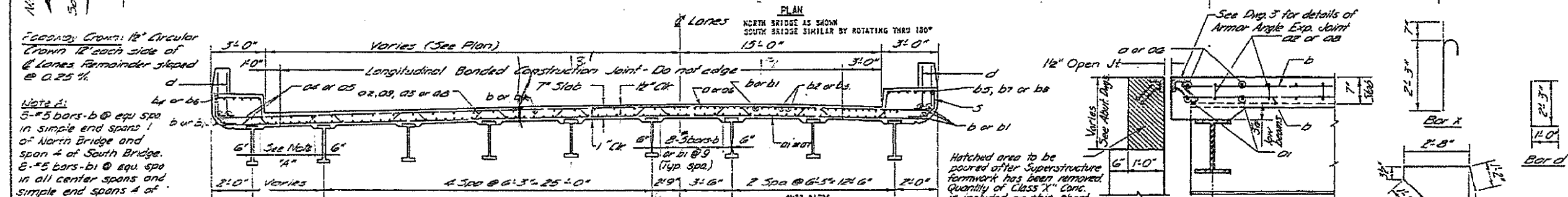
* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAI 57	10-33HB-2	CHAMPAIGN	27	11
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				



BILL OF MATERIAL (TWO BRIDGES)

BAR	SIZE	NO.	LENGTH	SHAPE
01	#5	436	29'2"	
01	#5	460	48'2"	
02	#5	68	5'8"	
03	#5	182	52'0"	
04	#5	550	3'0"	
05	#5	548	4'0"	
06	#5	70	33'0"	
07	#5	94	32'2"	
08	#5	68	35'6"	
09	#5	182	52'2"	
10	#5	609	35'2"	
11	#5	1260	34'2"	
12	#6	264	6'6"	
13	#6	136	27'6"	
14	#4	48	35'1"	
15	#4	48	2'9"	
16	#4	96	35'0"	
17	#2	28	12'2"	
18	#2	28	7'11"	
19	#5	2295	3'5"	
20	#5	1089	6'5"	
21	#5	824	24'8"	
CLASS 2 CONCRETE				
REINFORCEMENT BARS				
PROTECTIVE COAT				
TOTAL WEIGHT 779.7				
TOTAL LENGTH 16,531.6				
TOTAL AREA 5,248				



REINFORCEMENT BARS FOR PARAPET WALLS ARE NOT INCLUDED. FOR STRUCTURAL STEEL QUANTITY SEE BRIDGE DWG. 1.

SUPERSTRUCTURE
F.A.I. RTE. 57 SEC. 10-33HB-2
CHAMPAIGN COUNTY
STA. 461+41.98

MODEL: 3406ELN.MXD FILE NAME: P:\PROJECTS\2015\05\BRIDGE\DWG\BRIDGE.DWG PROJECT: 0570559-FAI-57-10-33HB-2

AS-BUILT PLANS - FOR INFORMATION ONLY

USER NAME = leroy.ma	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1 & #2
S.N. 010-0034 & 010-0035
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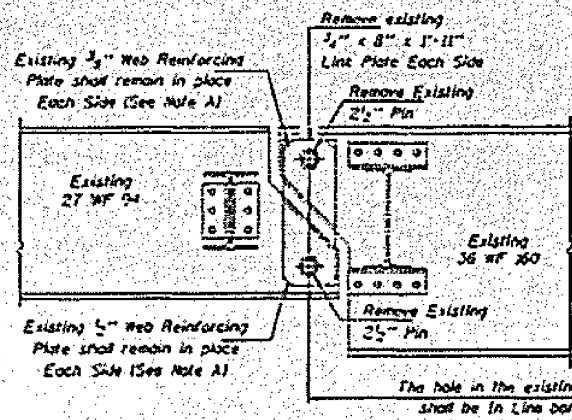
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	15
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

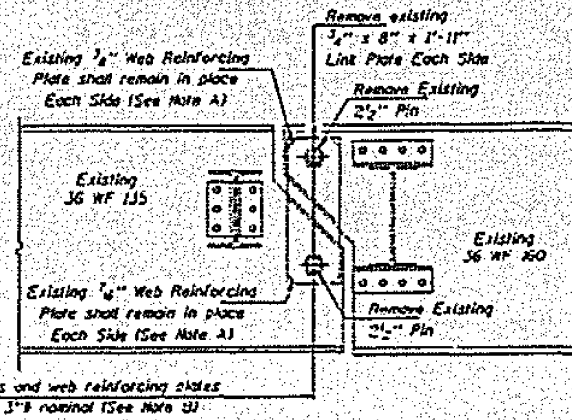
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	PROJECT	SECTION	SHEET NO.
F.A. 175	CHAMPAIGN COUNTY	1	1

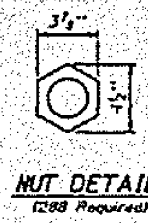
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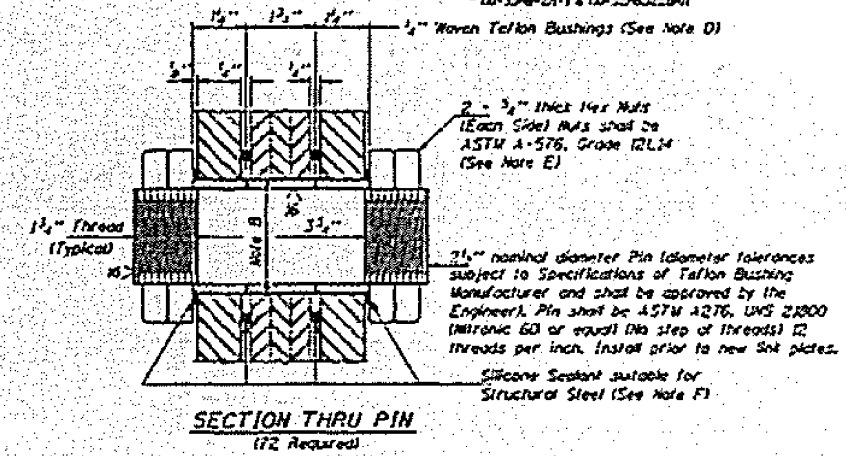
**ELEVATION AT EXISTING PIN CONNECTION
FOR INTERIOR BEAMS**



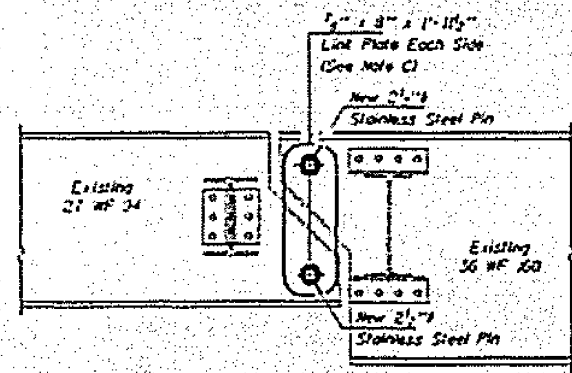
**ELEVATION AT EXISTING PIN CONNECTION
FOR EXTERIOR BEAMS**



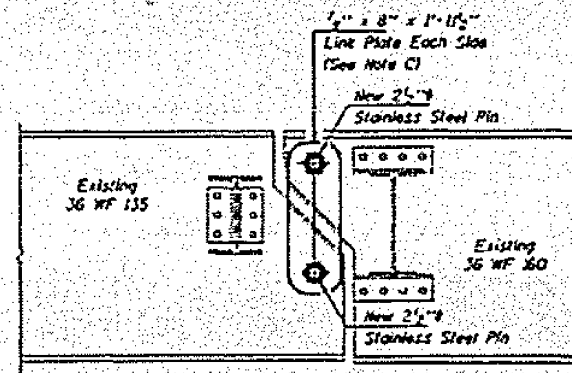
**NUT DETAIL
(298 Required)**



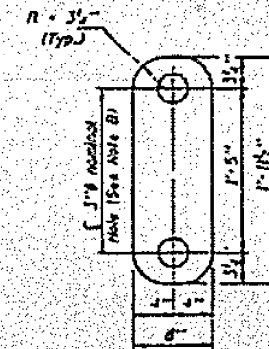
**SECTION THRU PIN
(172 Required)**



**ELEVATION AT NEW PIN CONNECTION
FOR INTERIOR BEAMS**



**ELEVATION AT NEW PIN CONNECTION
FOR EXTERIOR BEAMS**



**LINK PLATE DETAIL
(72 Required)**

Note A:
Existing webs shall be inspected for cracks using liquid dye penetrant or magnetic particle testing. Any cracks that are found shall be identified and reported to the Bureau of Bridges and Structures for further discussion. Clean and paint before installing new link plates.

Note B:
Bore diameter for bushing in link plate, existing webs and web reinforcement plates shall correspond to bushing manufacturer's allowable tolerances for proper functioning. Hole diameter may be adjusted to allow use of steel bushings.

Note C:
Inside face of new link plates shall receive first field coat in shop. The primer shall pass the M.E.R. Rust Test before the first field coat is applied.

Note D:
Actual bushing thickness per manufacturer's specifications, 1/4" is approximate. Bushings shall be a self-lubricating filament wound epoxy matrix backed Duran Bearing, metal backed Form Glast Bearing or equivalent. No primer or grease shall be allowed on bushings. Bushings shall be suitable for dynamic loads of 20,000 psi.

Note E:
Tighten inside nuts to bring all bushings into firm contact, then back off 1/4 turn and tighten outer nuts.

Note F:
Apply 1/2" bead to face of the web reinforcing plates approximately 1/2" from bushing immediately before installing new link plates. Place sealant around nuts after installation. Sealant shall be suitable for prolonged exterior exposure without losing flexibility or adhesion to painted steel surfaces. Prepared products shall be subject to Department's acceptance based on documented testing or other evidence.

MAXIMUM REACTIONS AT PIN

RY	12.1	17.2
RY	12.1	17.2
RY	12.1	17.2
RY Total	36.3	51.6

PIN REPLACEMENT
F.A. 1. ROUTE 72 SEC. 10-3348-2
CHAMPAIGN COUNTY
STA. 481+41.98
STR. No. 010-0034 AND 010-0035

DESIGNED	KFS	DATE	MAY 23, 1995
CHECKED	GFB	DRAWN	Paul Sumner
APPROVED	KFS	DATE	

MODEL: 410061.MXD
FILE: 410061.DWG
PROJECT: 010-0034-010-0035
DRAWN: Paul Sumner
DATE: 12/7/2018

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

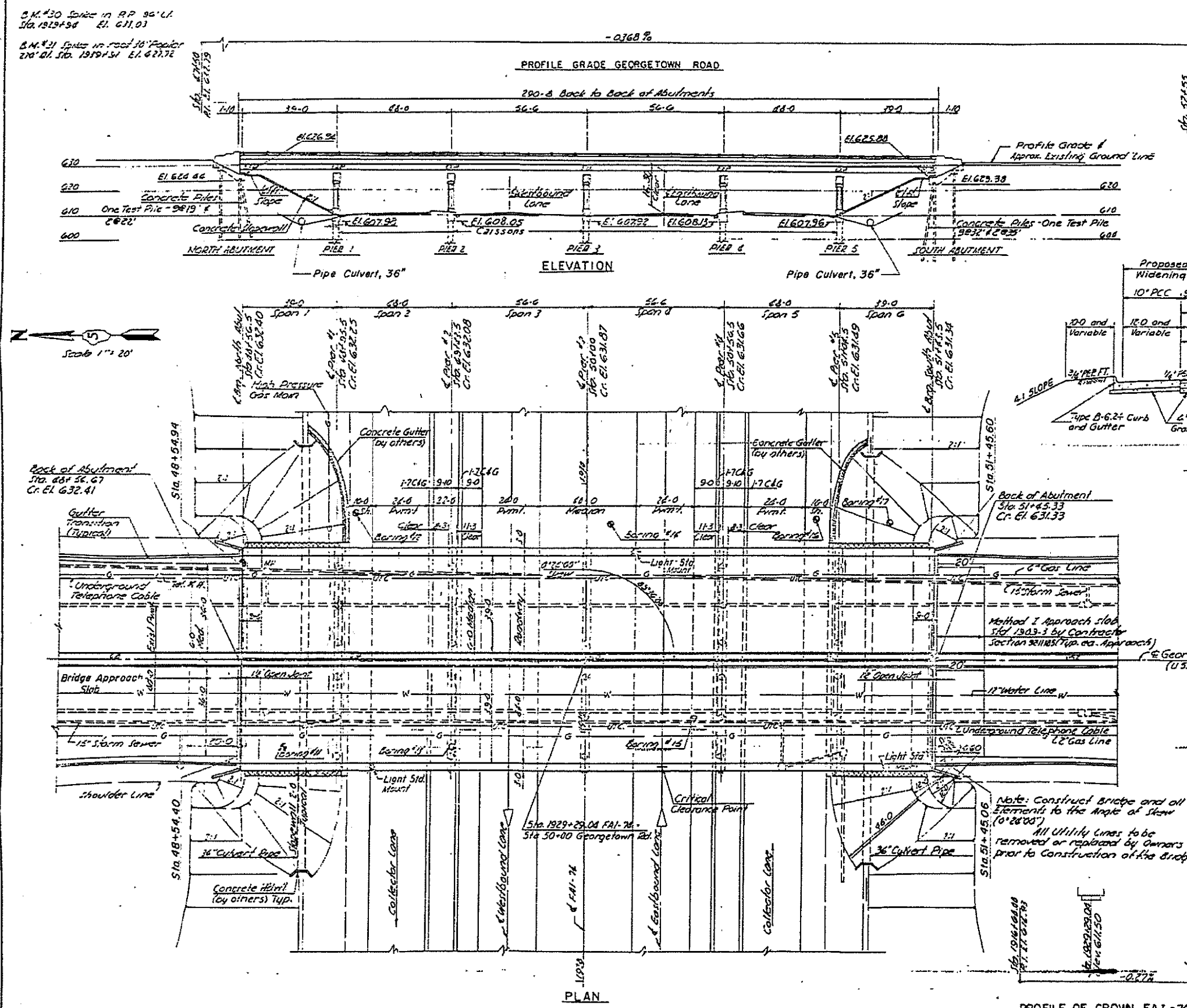
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		DRAWN	-	REVISED	-
PLOT SCALE	= 40,0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 12/7/2018	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

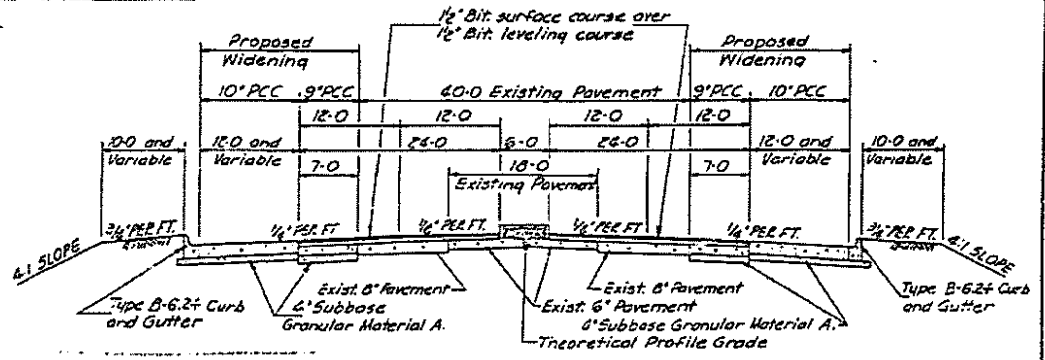
LOCATION #1 & #2
S.N. 010-0034 & 010-0035

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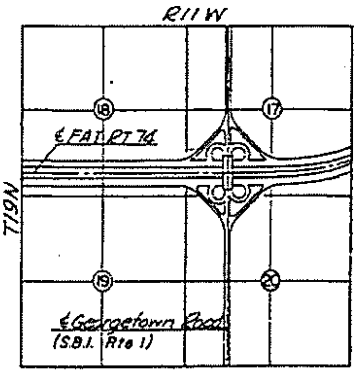
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	17
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				



F.A. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-11B5	VERMILION	43	9
FEDERAL ROAD DISTRICT NO. 7				



TYPICAL APPROACH ROADWAY SECTION



BRIDGE LOCATION

Roadway Classification: Georgetown Road 'A'
F.A.I. R. 74 'A'

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
GEORGETOWN ROAD OVER FAI-74
FAI 74 SECTION 92-11 HB-5
VERMILION COUNTY STA. 1929+29.04

GENERAL PLAN AND LOCATION

DESIGNED	BY	DATE	BY	DATE
DRAWN	BY	DATE	BY	DATE
CHECKED	BY	DATE	BY	DATE
APPROVED	BY	DATE	BY	DATE

5-6-63 Rev. Removed pier footings, Added
Piers on R.F.

PROFILE OF CROWN FAI-74

MODEL: 400614MATE; FILE NAME: P:\PROJECTS\70558\CADD\DATA\CADD\PROJECTS\70558-92-11B5-9.dwg

USER NAME = leroyma	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3
S.N. 092-0038

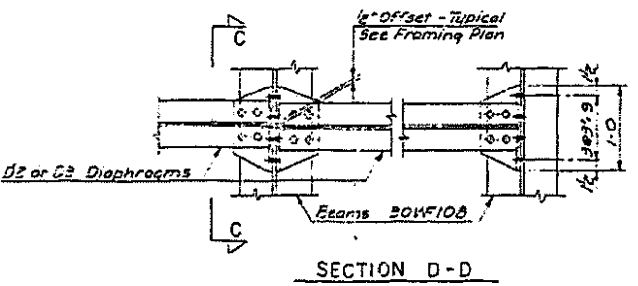
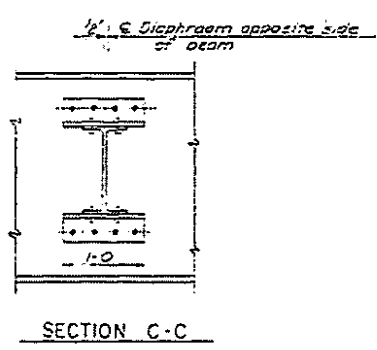
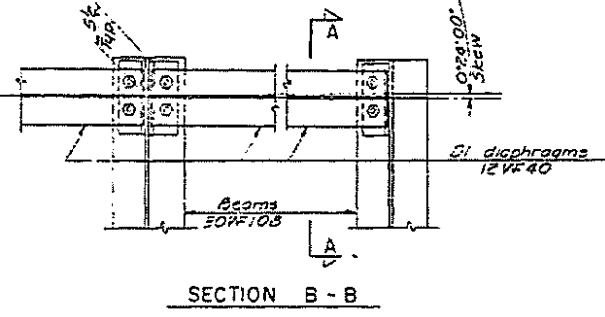
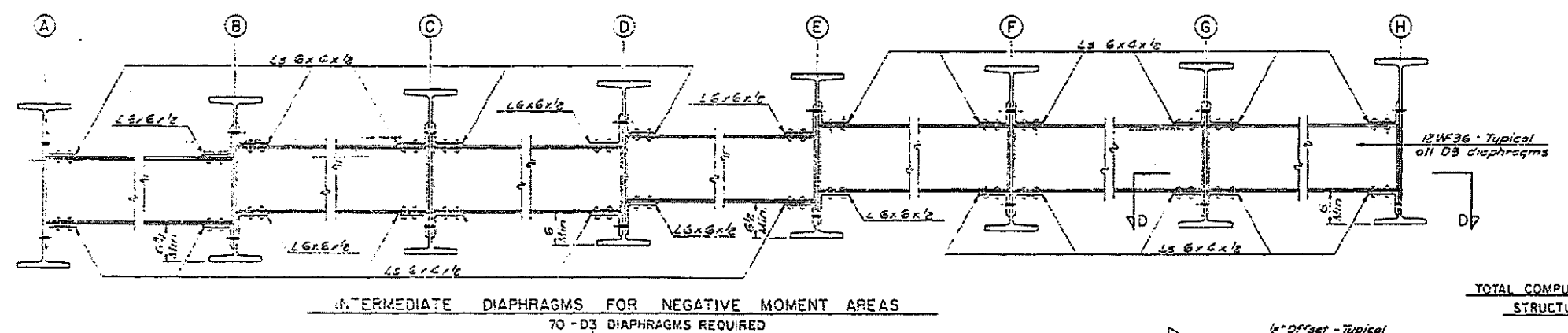
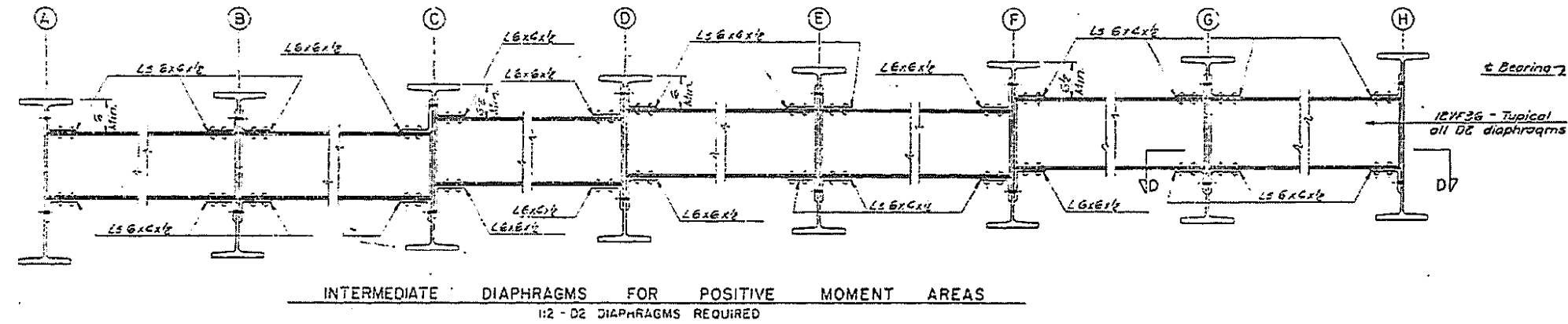
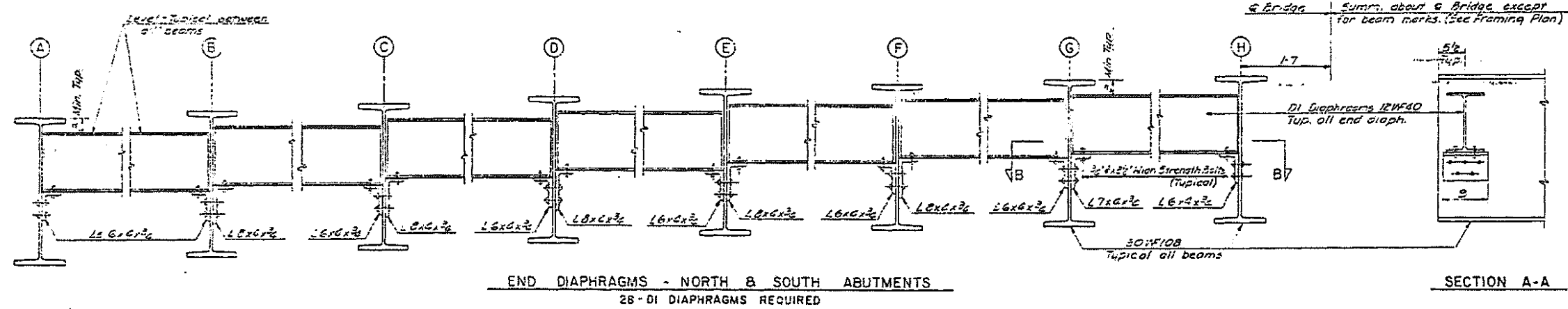
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	18
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

TOTAL SHEET NO.	SECTION	QUANTITY	TOTAL SHEETS	SHEET NO.
75	92-11 VERMILION	23	18	



TOTAL COMPUTED WEIGHT OF FRAMING STEEL
STRUCTURAL STEEL 588,320 LBS.

CONSOER. TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO ILLINOIS
ILLINOIS DIVISION OF HIGHWAYS
GEORGETOWN ROAD OVER I-74
F&E 74 SECTION 92-11 HB-5
VERMILION COUNTY STA. 1929+29.04

STRUCTURAL STEEL DETAILS

REVISION	DATE	BY	CHKD	APP'D
SMH	RBS	WJG	RBS	HSM 7-18-01
			LDB	

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AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 "/math>in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3
S.N. 092-0038

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

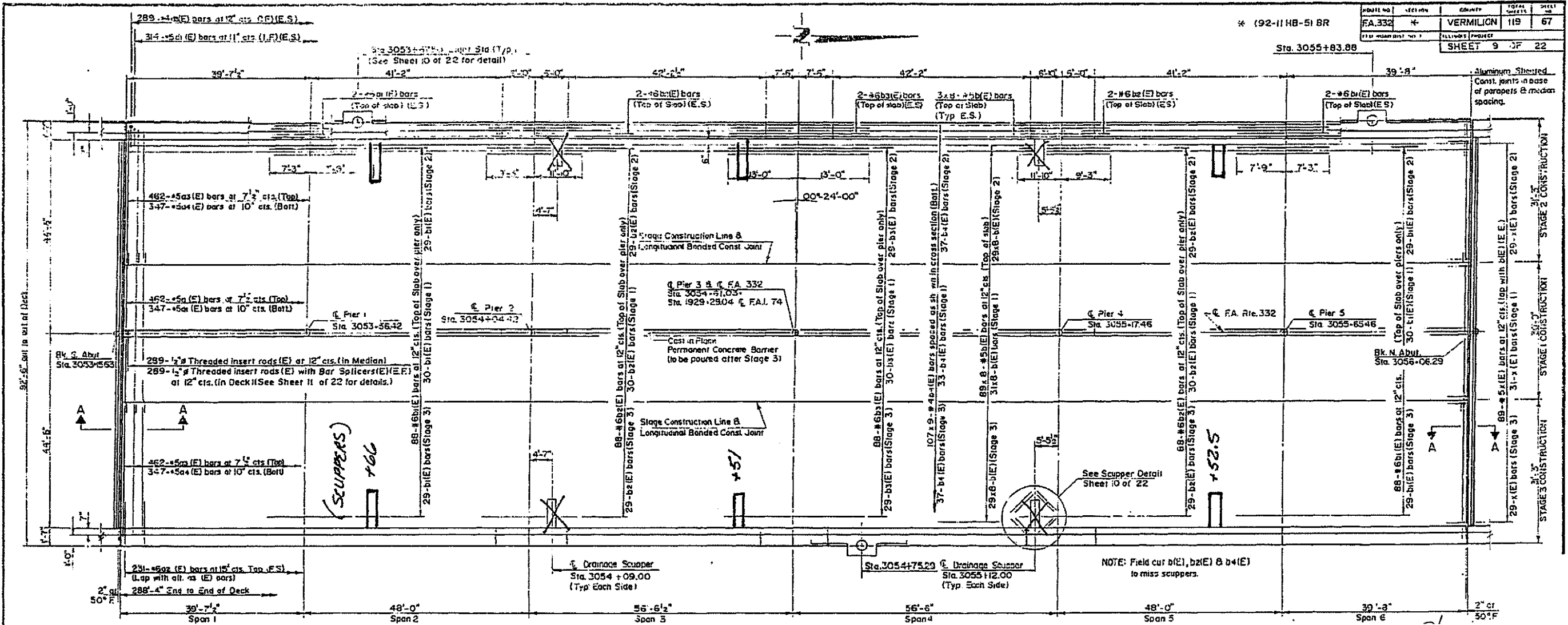
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			27	20

CONTRACT NO. 70D58

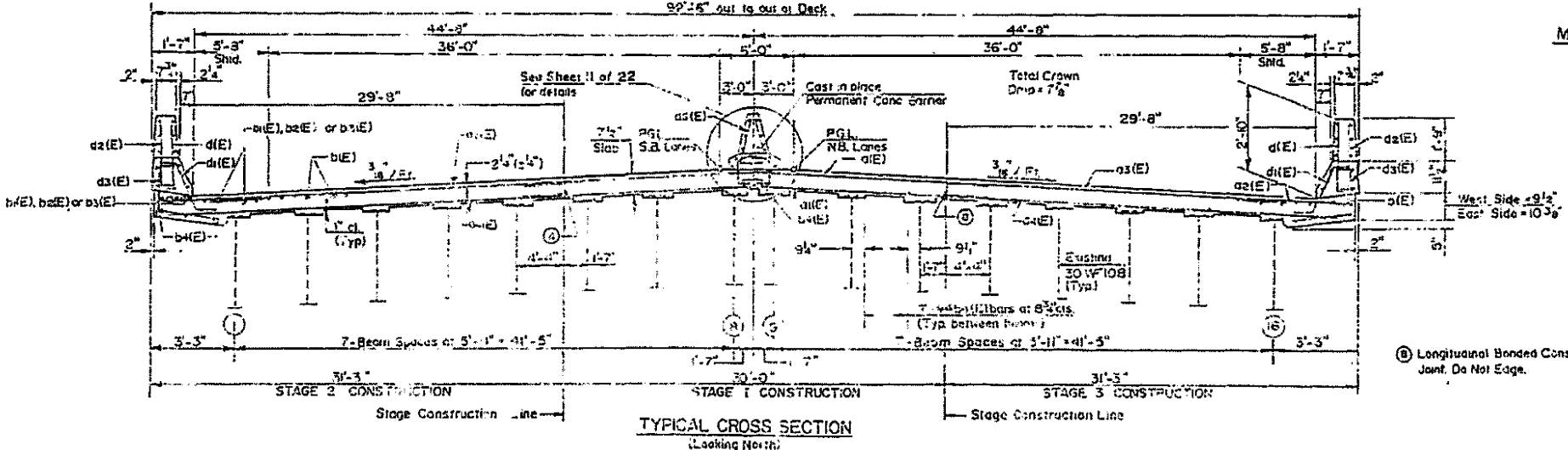
ILLINOIS FED. AID PROJECT

92-11 HB-51 BR
Sta. 3055+83.88

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA.332	*	VERMILION	119	67
PLAN SHEET NO.	ILLINOIS PROJECT			
SHEET 9 OF 22				



PLAN



TYPICAL CROSS SECTION (Looking North)

SUPERSTRUCTURE
 U.S. RTE. 150/ILL. RTE. 1
 OVER F.A.I. 74
 F.A. RTE. 332 SEC. 92-11 HB-51 BR
 STA. 3054+60.96
 VERMILION COUNTY
 S.N. 092-0038
 DESIGNING ASSOCIATES LTD.
 MMA CHECKED P.T.T.
 LP DATE 3-16-94 NO. H1349

AS-BUILT PLANS - FOR INFORMATION ONLY

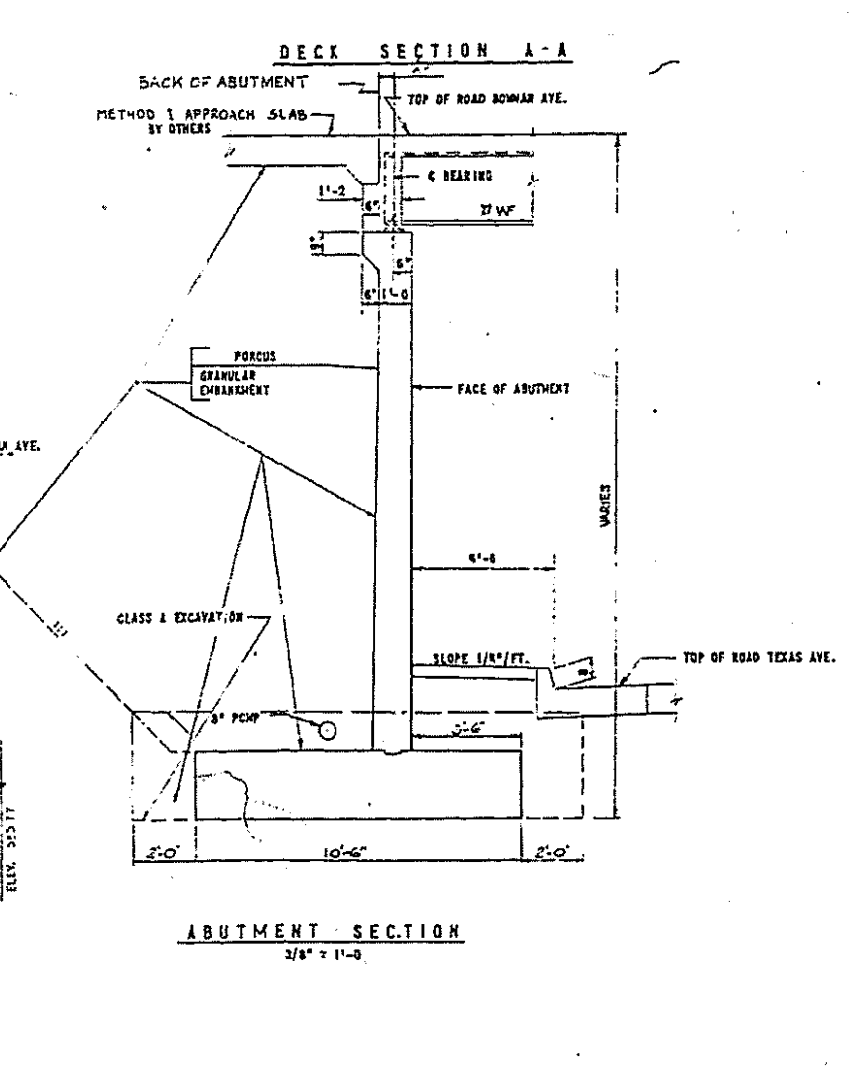
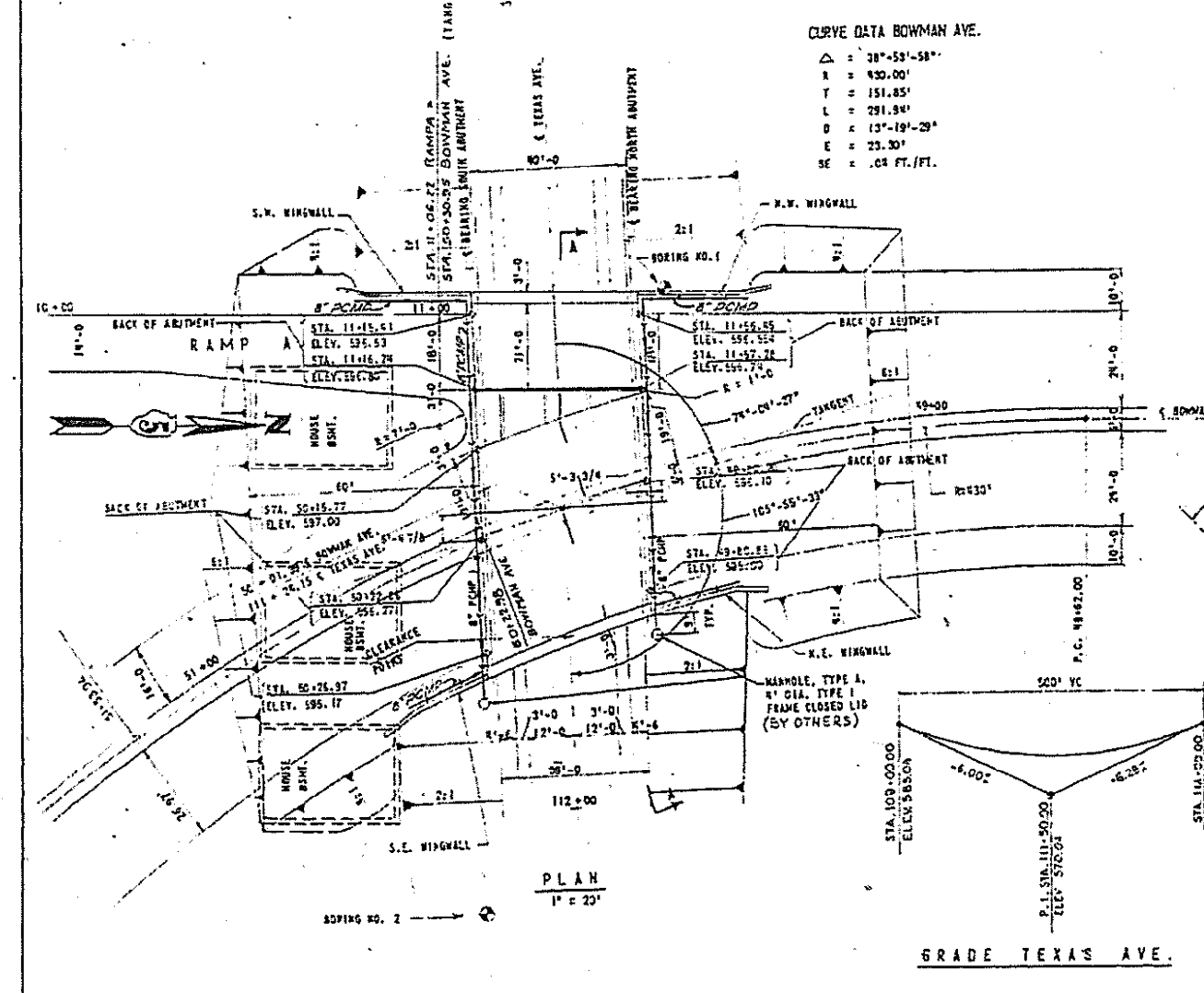
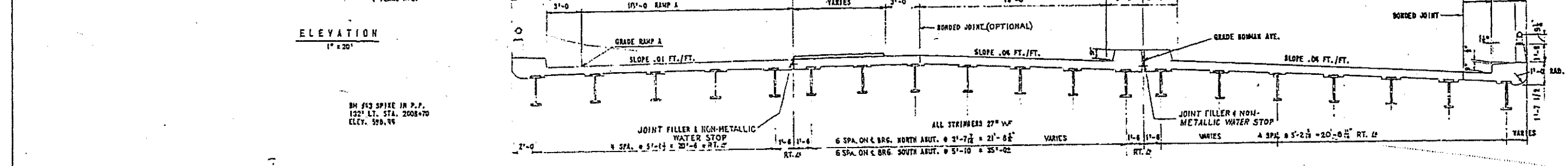
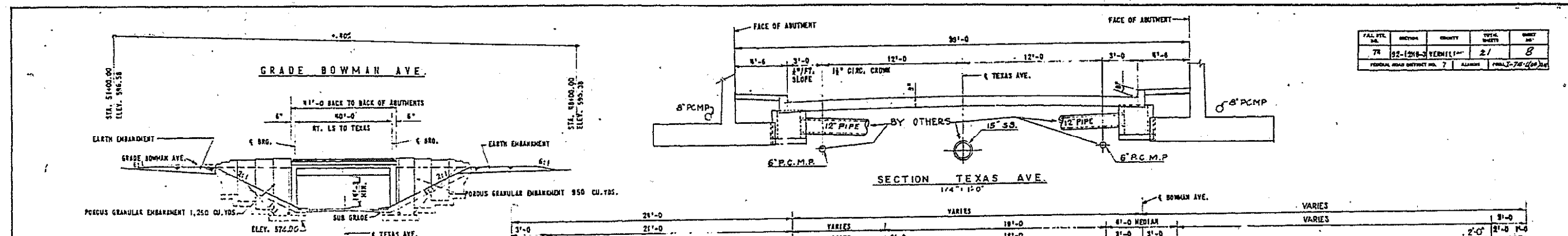
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 "/in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3	SHEET 4	OF 5 SHEETS	SCALE: NONE
S.N. 092-0038	STA.	TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	21
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				



TEXAS AVE. DATA

EXISTING: 21'-0" BRICK ON CONCRETE BASE
2'-0" CONCRETE CURB 3" OUTER
15'-0" BACK TO BACK OF CURBS

DESIGN DATA

DESIGN SPECIFICATIONS: A.A.S.H.O. 1961 EDITION

DESIGN LOAD: H20-S16-W

DECK SLAB, FOOTINGS, AND ABUTMENTS:

STEEL	STRUCTURAL STEEL A36 STEEL	$f_y = 20,000$ p.s.i.
	REINFORCING STEEL	$f_c = 20,000$ p.s.i.
CONCRETE	ULTIMATE COMPRESSION	$f_c = 3,500$ p.s.i.
	ALLOWABLE COMPRESSION (SUPER & SUBSTRUCT.)	$f_c = 1,400$ p.s.i.
	MODULAR RATIO	$n = 10$
	HORIZONTAL EARTH PRESSURE = EQUIT. FLUID PRESSURE	$e = 4.0$ in./cu. ft.
	ABUT. FOOTINGS, SHEAR	$v = 75$ p.s.i.
	FOOTING BEARING PRESSURE, AVERAGE	3,000 lb/sq. ft.

LOCATION

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
BOWMAN AVE. BRIDGE OVER TEXAS AVE
FBI RT. 74 SECTION 92-124B-3
VERMILION COUNTY STA. 50+01.39

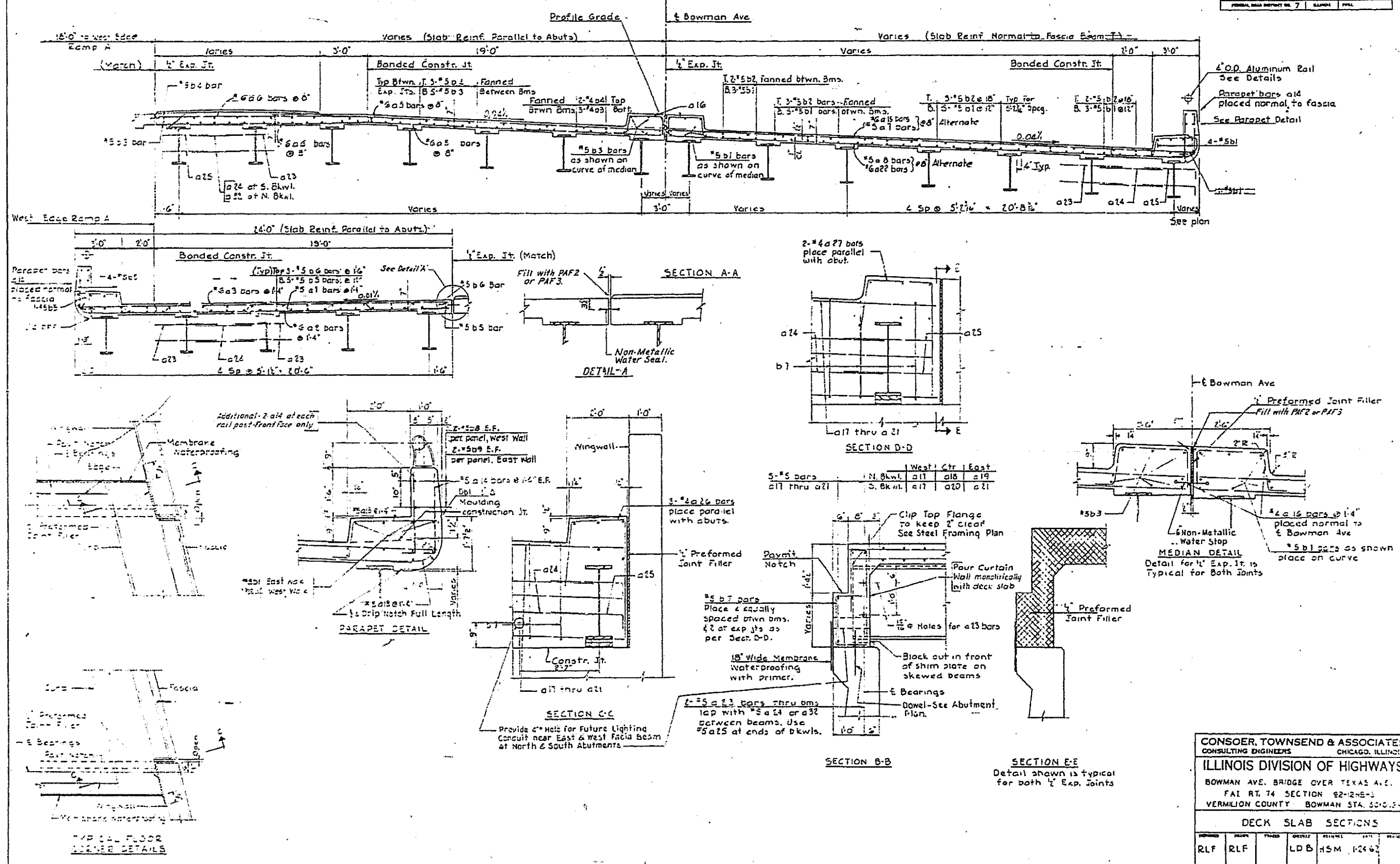
GENERAL PLAN AND ELEVATION

DESIGNED	DRAWN	CHECKED	REVISED	DATE	SCALE
leroyma				12/7/2018	HSM 1/2"=1'-0"

Change 1s for Struct 5 from 16,000 to 20,000 PSI

AS-BUILT PLANS - FOR INFORMATION ONLY

FILE NO.	REVISION	DATE	BY	CHKD.
74	12-28-83	VERNLION	21	11



CONSOER, TOWNSEND & ASSOCIATES
 CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS

BOWMAN AVE. BRIDGE OVER TEXAS AVE.
 FAI RT. 74 SECTION 92-245-3
 VERMILION COUNTY BOWMAN STA. 50+0.50

DECK SLAB SECTIONS

DESIGNED	DRAWN	CHECKED	DATE
RLF	RLF	LDB	12-28-83

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 CADD: DATA
 CAD: DWG
 70D58-83-AS-BUILT.DWG

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

USER NAME = leroyma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4
S.N. 092-0027

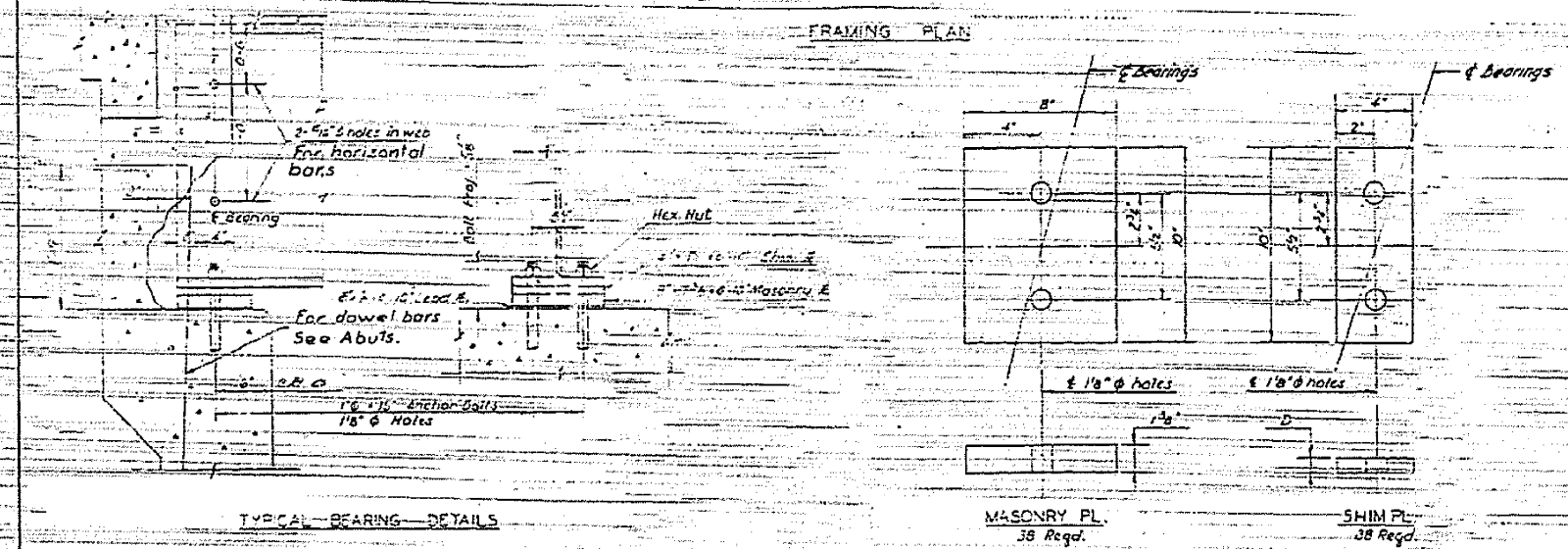
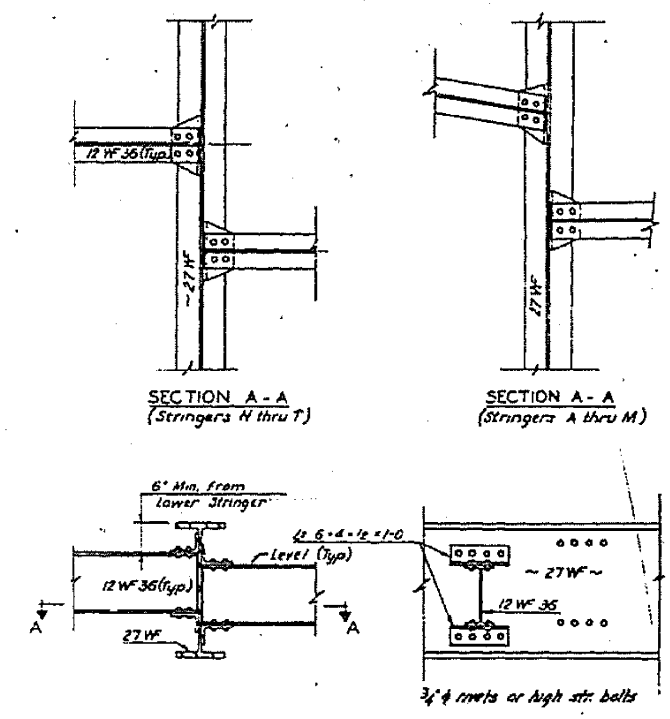
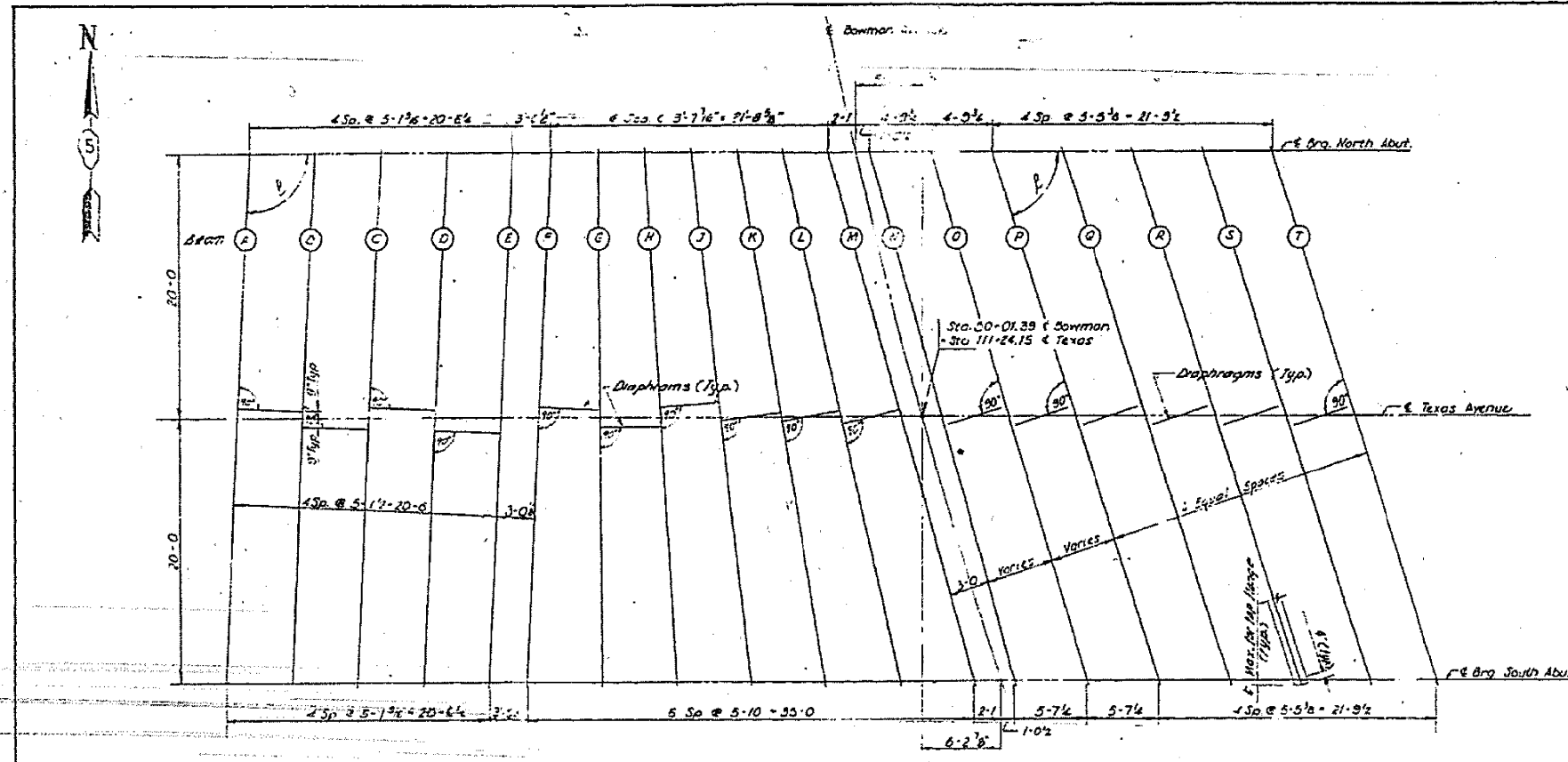
SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	24

CONTRACT NO. 70D58

ILLINOIS FED. AID PROJECT

CALL NO.	SECTION	QUANTITY	TOTAL QUANTITY	UNIT
74	92-128B-3	VERMILION	27	14
FURNISH AND INSTALL PER 7				



Beam	Section	Length ft. Ings.	Angle B
A	27WF102	40'-0 1/2"	92-38-50
B	do	do	do
C	do	do	do
D	27WF102	do	do
E	27WF114	do	do
F	27WF114	40'-0 1/2"	92-38-50
G	27WF102	40'-0"	89-20-00
H	do	40'-1"	86-14-04
J	do	40'-3 1/2"	63-10-26
K	do	40'-7 1/2"	80-04-19
L	do	41'-0 1/2"	77-01-38
M	27WF102	41'-7 1/2"	74-03-17
N	27WF114	41'-7 1/2"	74-03-17
O	do	41'-9 1/2"	73-00-44
P	do	42'-0 1/2"	71-58-50
Q	do	do	71-56-50
R	do	do	71-56-50
S	do	do	71-56-50
T	27WF114	42'-0 1/2"	71-58-50

Total computed weight of structural steel 31,300 lbs.

Beam	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T
No. Abut.	3/4	1 1/4	3/4	1 1/4	3/4	1 1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
So. Abut.	3/4	1 1/4	3/4	1 1/4	3/4	1 1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS - CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
BOWMAN AVE. BRIDGE OVER TEXAS AVE.
FAI RT 74 SECTION 92-128B-3
VERMILION COUNTY BOWMAN STA. 50+01.39

STEEL FRAMING PLAN

DATE: 12-24-68

Revised Framing Plan - Revise Sect. J (Strg. Abut. M)
3-1-63 Add dimension 1'-9 1/2" to Typ. Org. details.

AS-BUILT PLANS - FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4
S.N. 092-0027

USER NAME = leroyma	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/7/2018	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: NONE	SHEET 3	OF 3 SHEETS	STA.	TO STA.
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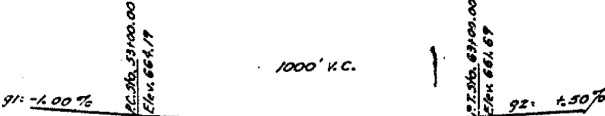
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	27	25
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				

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B.P.: N.W. Corner of West Handrail of Bridge
29' Lt. of Sta. 57+84.00 Elev. 663.57

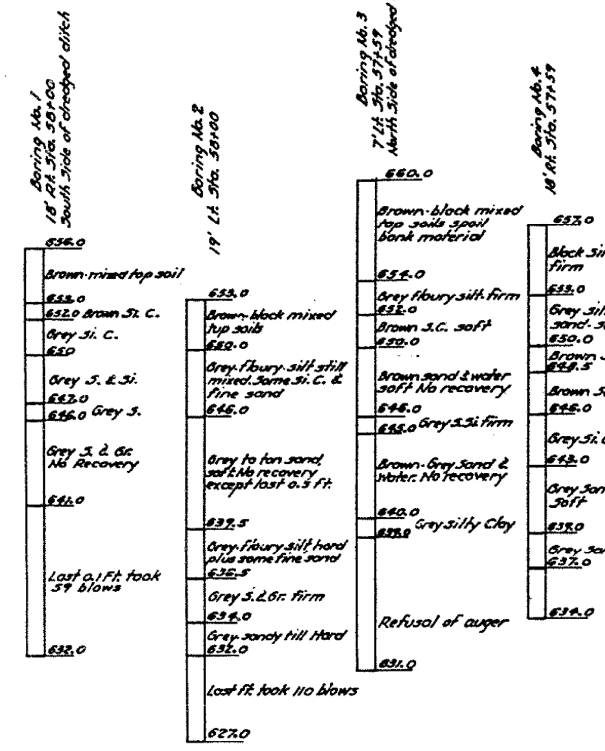
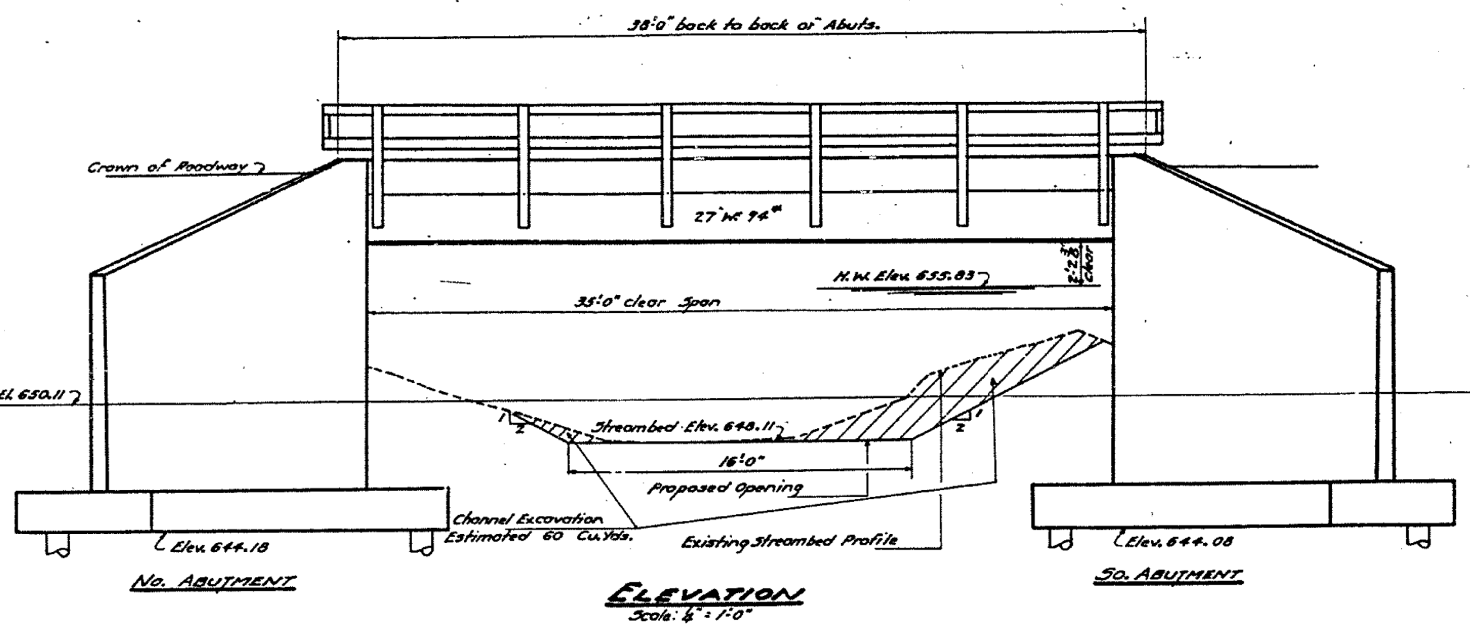
GENERAL NOTES

Class-X Concrete shall be used throughout. The concrete floor slab shall be poured in one continuous operation between and outside the longitudinal bonneted construction joints. The curb shall be poured monolithically with the floor slab. The concrete floor shall be finished in accordance with Art. 31.18 of the Standard Specifications. All Rivets shall be 3/4" with 3/8" holes except as noted. Field connections & Rivets: Horizontal rail members shall be adjusted to true alignment after curbs have been poured and false work removed. All bearing plates, lead plates or anchor bolts shall be finished, painted and set in accordance with Art. 31.14 of the Standard Specifications and are included for payment as "Structural Steel". All Structural Steel shall receive one shop coat of red lead paint after inspection by the Illinois Division of Highways. All Structural Steel shall receive two field coats of aluminum paint. Water proof back of curtain walls, abutments, and wings to top of footings according to Art. 31.20 of the Standard Specifications. One Timber Test Pile shall be driven in a permanent location as directed by the Engineer before ordering remainder of Piles. Channel Excavation shall be done by the Contractor and shall be carried to the limits of the right of way unless otherwise directed by the Engineer. 3/8" machine bolts with Anco lock nuts or equal may be substituted for field rivets.



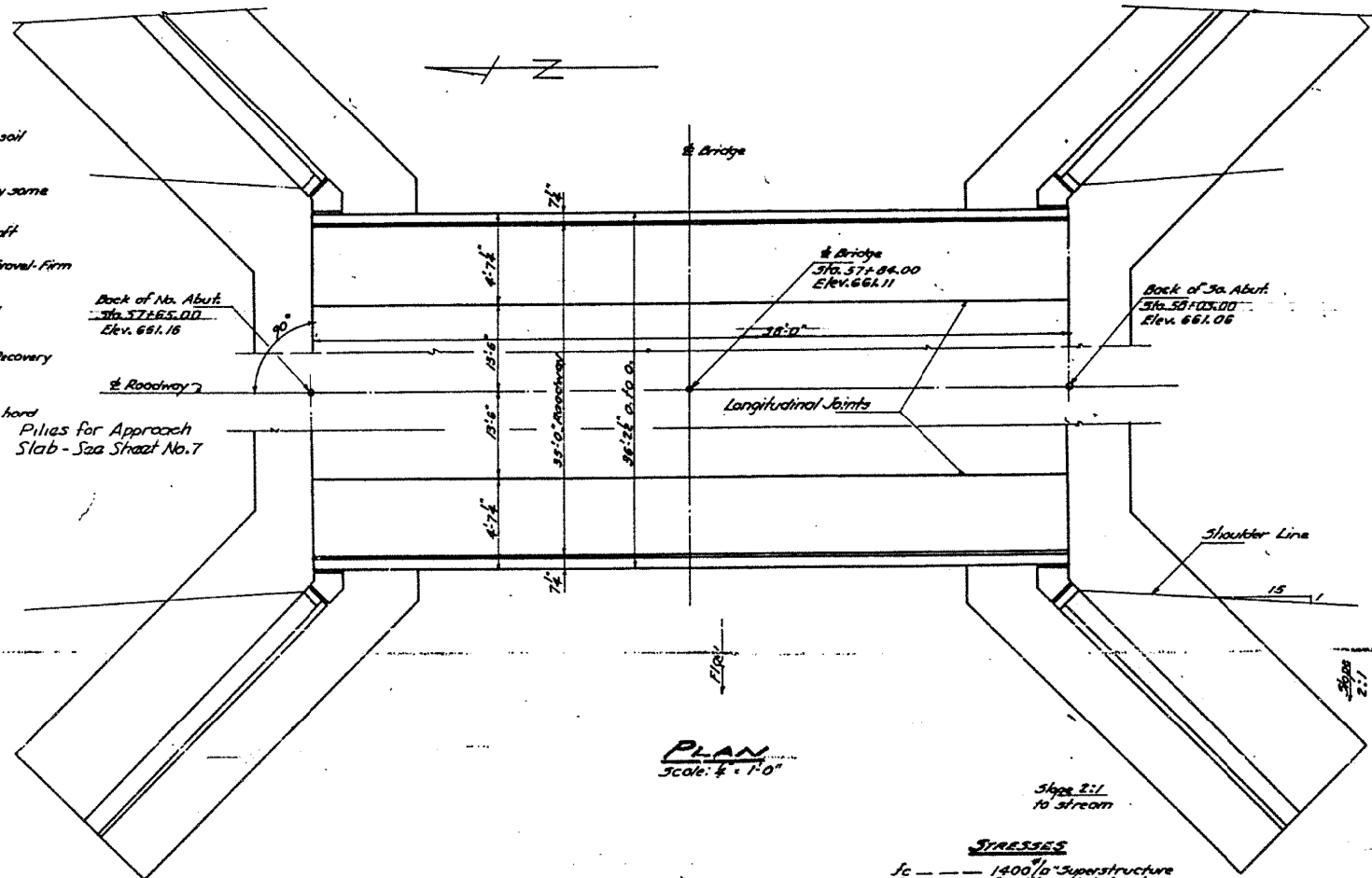
STATION 57+84.00
Bully 195
F.A.S. RT. 513 SEC. 54
P.A. PROJ. 5-147(3)
LOADING 1720-318

LETTERING FOR NAME PLATE
See Standard 1883



BORING DATA

Borings are shown only as a guide to bidders in estimating soil conditions that may be encountered in the field.



PLAN
Scale: 1/4" = 1'-0"

WATERWAY INFORMATION

Drainage Area	7000 Acres
Channel	Level Cultivated
Bottom C	0.3
Opening Req'd	230 Sq. Ft.
Present Opening	215 Sq. Ft.
Proposed Opening	225 Sq. Ft.

Piles for Approach Slab - See sheet No. 7

TOTAL BILL OF MATERIAL

ITEM	Units	Sup'c	Sub.	Total
Class-X Concrete	Cu. Yds.	38.5	1684	2069
Reinforcement Bars	Lbs.	5520	10670	16190
Structural Steel	Lbs.	3130		3130
Name Plates	Each	1		1
Untreated Timber Piles (Up to 30ft. Long)	Lin. Ft.		1872	1872
Timber Test Pile	Each	1		1
Class-A Excavation for Structures	Cu. Yds.		315	315
Class-B Excavation for Structures	Cu. Yds.		430	430
Channel Excavation	Cu. Yds.		60	60

STRESSES
 f_c --- 1400 psi Superstructure
 f_c --- 800 psi Substructure
 f_s --- 20000 psi Reinforcement Bars
 f_s --- 18000 psi Structural Steel
 n --- 10

GENERAL PLAN & ELEVATION
PROJ. 5-147(3)
F.A.S. RT. 513 - SEC. 54
VERMILION COUNTY
STA. 57+84.00

SHEET - No 1
No. SHEETS - 3

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
** CHAMPAIGN & VERMILION

USER NAME = leroyma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/7/2018	DATE -	REVISED -

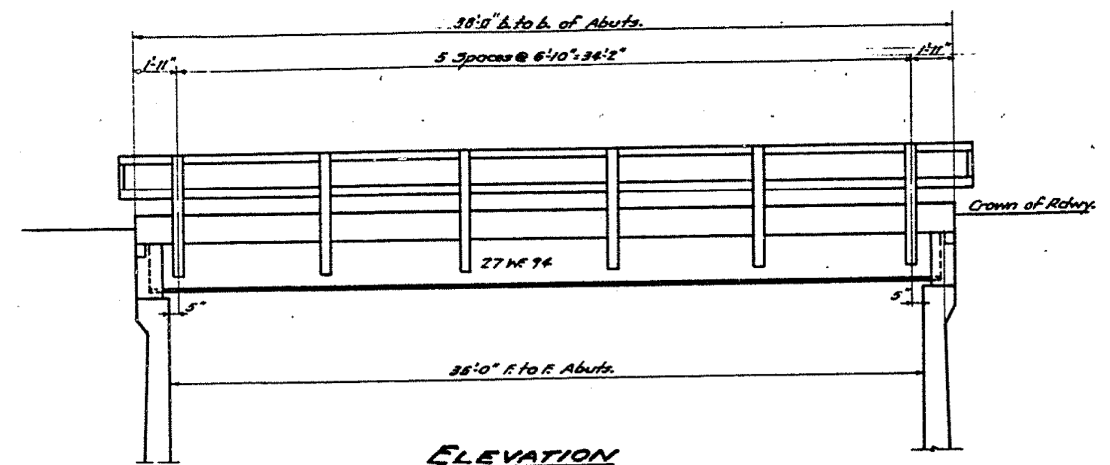
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #5
S.N. 092-0094

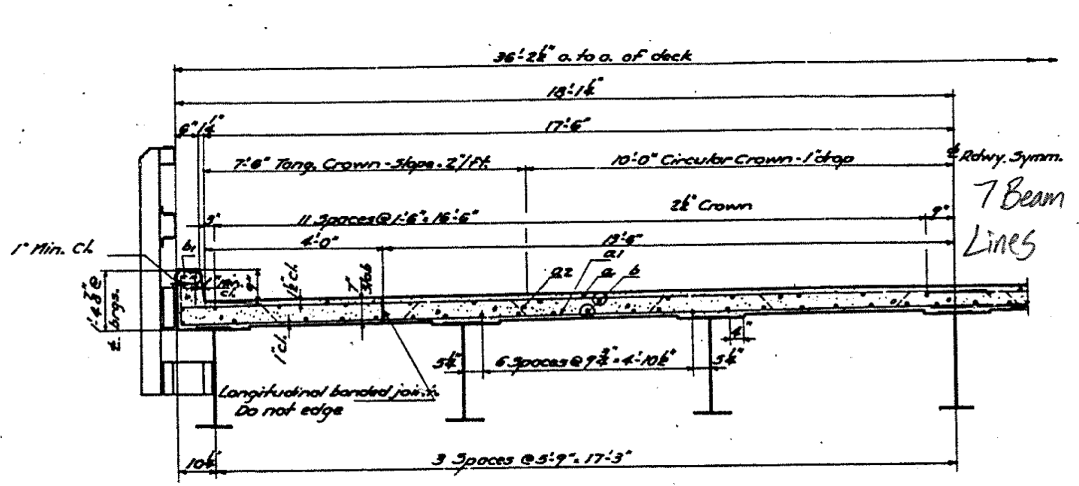
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		**	27	26
CONTRACT NO. 70D58			ILLINOIS FED. AID PROJECT	

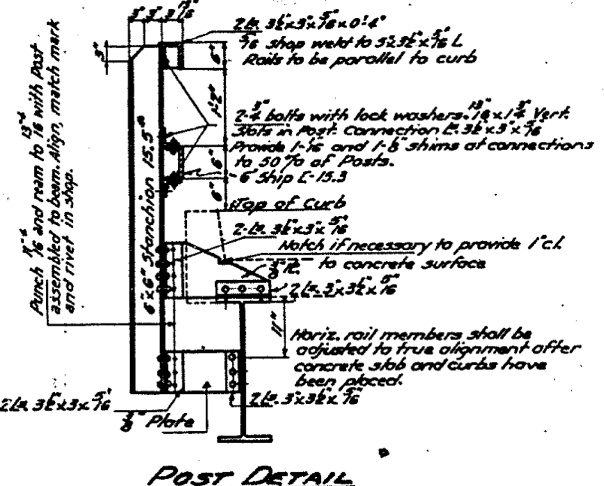
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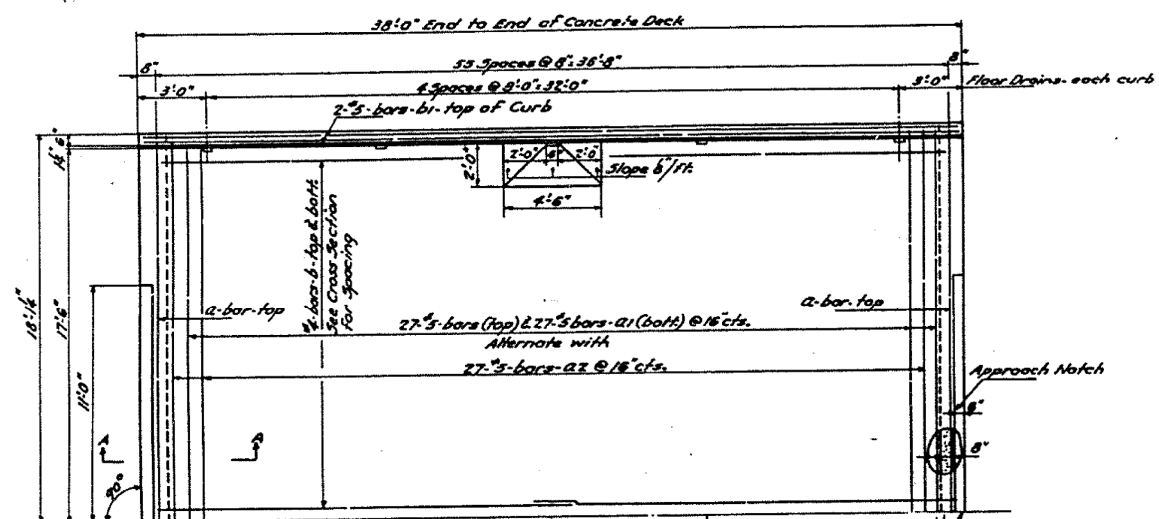
ELEVATION



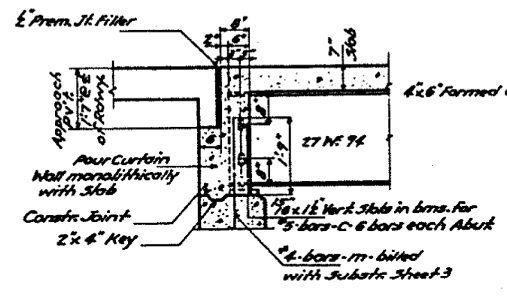
HALF CROSS SECTION



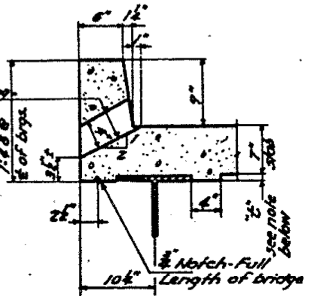
POST DETAIL



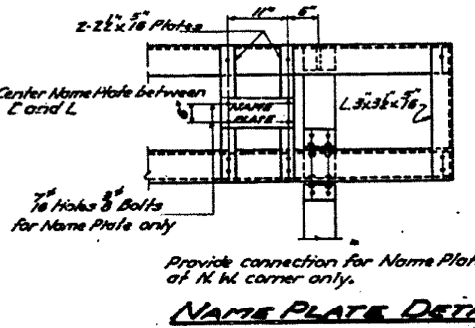
REINFORCEMENT & FRAMING PLAN



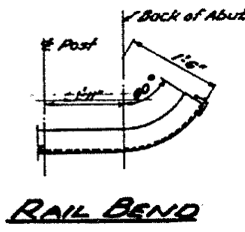
SECTION A-A



DRAIN & FILLET



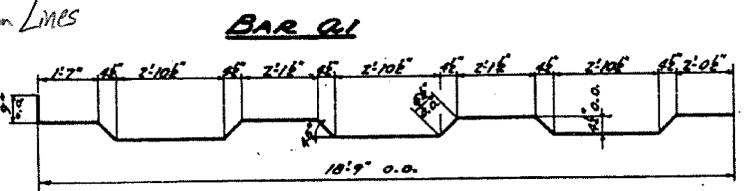
NAME PLATE DETAIL



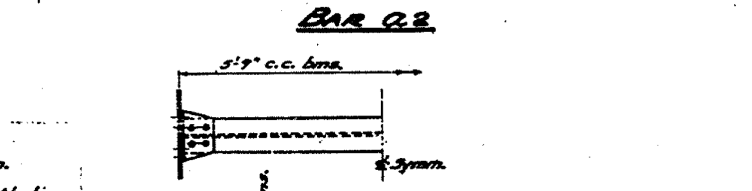
RAIL BEND

RAILING DETAILS

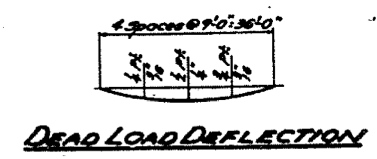
Note: After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the increment of deflection for these points subtracted from the Dead Load Deflection Diagram. The elevations so obtained subtracted from the structural grade elevations minus floor thickness, plus flange thickness equals fillet height.



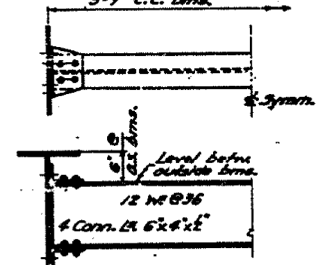
BAR Q1



BAR Q2



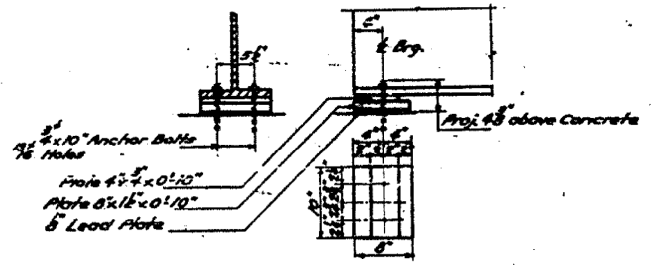
DEAD LOAD DEFLECTION



DIAPHRAGM D1



DIAPHRAGM D2



BEARINGS DETAILS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	58	5	18'-9"	—
a1	54	5	19'-9"	—
a2	54	5	20'-6"	—
b	140	7/8	19'-9"	—
b1	8	5	19'-6"	—
c	12	5	18'-9"	—
Class-X Concrete Cu. Vol. 38.5				
Reinforcement Bars Lbs. 5520				
Structural Steel Lbs. 3710				
Name Plates Each 1				

SUPERSTRUCTURE
 PROJ. 5-147(Q)
 F.A.S. PG. 513-SEG. 54
 VERMILION COUNTY
 STA. 57+84.00

SHEET NO. 2
 OF 3 SHEETS.

AS-BUILT PLANS - FOR INFORMATION ONLY

* D5 BRIDGE PAINTING 2019-3
 ** CHAMPAIGN & VERMILION

MODEL: 4-0001-NAME: FILE: NAME: PROJECT: D5 BRIDGE PAINTING 2019-3

USER NAME = leroyma	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 "/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION #5	S.N. 092-0094
SCALE: NONE	SHEET 2 OF 2 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		**	27	27
CONTRACT NO. 70D58				
ILLINOIS FED. AID PROJECT				