

IAIS under FAI Route 74 (I-74)  
DOT/AAR No.: \_\_\_\_\_, M.P. \_\_\_\_\_  
Section No.: (81-1)R & 81-1HVBR  
Job No.: C-92-063-15  
Contract No. 64C08  
Agreement No.: RR2-15-064  
City of Moline, Rock Island County, Illinois

This agreement, hereinafter referred to as the "AGREEMENT", made and entered into by and between the STATE OF ILLINOIS, acting by and through its Department of Transportation, hereinafter referred to as the "STATE", and IOWA INTERSTATE RAILROAD, LTD., hereinafter referred to as the "COMPANY", collectively referred to as the "PARTIES" and individually referred to as "PARTY".

WITNESSETH:

WHEREAS, Route FAI 74 (I-74) as presently located and constructed in the north half of Section 32, Township 18 North, Range 1 West of the Fourth Principal Meridian in the City of Moline, Rock Island County, Illinois, there crosses the property of the COMPANY by means of a highway overpass structure (Existing Structure Nos. 081-0142 WB & 081-0143 EB, DOT/AAR No. 093 673T, M.P. 249.46); and

WHEREAS, the existing highway overpass structure was originally constructed in 1975 by the STATE under Section 81B; and

WHEREAS, the said highway overpass structure is currently maintained by the STATE; and

WHEREAS, in the interest of public safety and convenience, the STATE hereto desires to completely remove the existing overpass structures and replace them on a new alignment and perform other necessary work substantially as shown on the prints of the general drawings marked Exhibit "A", (Sheets 1 through 13) attached hereto and made a part hereof; and hereinafter referred to as the "PROJECT"; and

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WHEREAS, the STATE will seek the necessary approval from the Illinois Commerce Commission ("ICC") in accordance with ILCS 5/18c-7401 and 92 Illinois Administrative Code 1535 to take jurisdiction in this matter and enter such Orders as may be necessary; and

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements hereinafter contained, the PARTIES hereto agree as follows:

SECTION 1. The preliminary and detailed plans, specifications and special provisions for the PROJECT shall be prepared by or for the STATE at its expense.

SECTION 2. No changes shall be made on any ICC approved plans, specifications or special provisions by either PARTY hereto without the consent in writing of the other PARTY.

SECTION 3. The PARTIES hereto shall construct or cause to be constructed, in substantial accordance with the approved plans, specifications and special provisions, the following items of work:

- (I) WORK BY THE STATE. The STATE shall furnish or cause to be furnished, at its expense, all the labor, materials and work equipment required to perform and complete:
  - (a) The preliminary engineering required for preparation of plans, specifications and special provisions for the PROJECT as set forth in this AGREEMENT.
  - (b) The removal of the existing structures (081-0142 WB & 081-0143 EB) and replacing them with proposed structures (081-0177 WB & 081-0178 EB) along with Ramp 6<sup>th</sup> - C (081-0186) and Ramp 6<sup>th</sup> - D (081-0187).
  - (c) Engineering and inspection as set forth in this AGREEMENT.
  - (d) Incidental work necessary to complete the items hereinabove specified.

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The STATE's work shall be awarded to a competent and experienced contractor(s) who has (have) adequate equipment, organization and finances, and the COMPANY shall be notified of the contractor(s) receiving such award for all work affecting the COMPANY's interest.

(II) WORK BY THE COMPANY. The COMPANY shall furnish or cause to be furnished, at the expense of the STATE, and in accordance with the stipulations as contained in the Federal-Aid Policy Guide, 23 C.F.R. §140.900, and supplements, all the labor, materials and work equipment required to perform and complete:

(a) None.

Per the Alternative Federal-State procedure in 23 CFR § 646.220, the STATE will certify that the work at the job site is complete, acceptable and in accordance with the terms of this AGREEMENT. A representative of the STATE shall be present at the job site during construction to inspect the work and to assure that all work and materials meet the requirements as set forth in the STATE's "Standard Specifications for Road and Bridge Construction" adopted April 1, 2016, and the "Supplemental Specifications and Recurring Special Provisions" in effect on the date of the invitation for bids.

SECTION 4. The STATE shall require its contractor(s) to perform his/her (their) work in accordance with the STATE's "Standard Specifications for Road and Bridge Construction" adopted April 1, 2016, and the "Supplemental Specifications and Recurring Special Provisions" in effect on the date of invitation for bids. A single Railroad Protective Liability Insurance policy, naming the COMPANY, shall be carried in limits of \$5,000,000 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of

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\$10,000,000 over the life of the policy as set forth in Federal-Aid Policy Guide, Chapter I, Subchapter G, Part 646, Subpart A (23 CFR 646A).

SECTION 5. Reserved.

SECTION 6. Subsequent to the award of any contract(s), and before any construction work is started on this PROJECT, a pre-construction conference shall be held between the STATE, COMPANY, and the interested contractor(s), at a time and place as designated by the STATE's representative, for the purpose of coordinating the work to be performed by the several PARTIES, and at which time a schedule of operations will be adopted.

SECTION 7. Each PARTY for carrying out its work as herein set forth, will provide the necessary preliminary and construction engineering and inspection and the costs for such services shall be borne by the STATE.

SECTION 8. Reserved.

SECTION 9. The STATE shall require its contractor(s), upon the completion of the work of such contractor(s), to remove from within the limits of the COMPANY's right-of-way all machinery, equipment, surplus materials, falsework, rubbish or temporary buildings of such contractor(s), and to leave the right-of-way upon which the said contractor(s) carried on operations in a neat condition, reasonably satisfactory to the authorized representative of the COMPANY.

SECTION 10. The STATE shall require its contractor(s), before entering upon the COMPANY's right-of-way for performance of any construction work, or work preparatory thereto, to secure a fully executed, right-of-entry agreement from the COMPANY prior to entry onto the COMPANY's right-of-way for the occupancy and use of the COMPANY's right-of-way, regardless of whether it is within the limits of the STATE's easements, and to comply with all

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City of Moline, Rock Island County, Illinois

COMPANY recommendations relative to the requirements for right-of-entry agreements, required insurance and general safety regulations.

SECTION 11. The safety and continuity of operation of the operations of the COMPANY shall be at all times protected and safeguarded, and the STATE shall require its employees and contractor(s) to perform the work accordingly. While the COMPANY currently has no tracks of its own in the area covered by the PROJECT, it is possible that tracks will be built, maintained and operated on in the future by the COMPANY in the PROJECT area and the STATE must ensure that neither the PROJECT, the structures contemplated by the PROJECT nor any future maintenance on the structures will interfere with the future construction, operation or maintenance of any COMPANY tracks. Whenever the State plans maintenance activities the method of doing such work shall first be submitted to the COMPANY's authorized representative for his/her approval without which it shall not be commenced or performed; such approval must not be unreasonably withheld. The approval of the COMPANY's authorized representative shall not be considered as a release from responsibility, or liability for any damage which the COMPANY may suffer, or for which it may be held liable by the acts of the contractor(s), or those of their subcontractor(s), or their employees.

SECTION 12. When the construction of this PROJECT is completed, the STATE shall maintain at its expense, or by agreement with others, provide for the maintenance of, the highway overpass structure, the highway approaches and all other highway facilities.

In order to fulfill its maintenance obligation, the STATE shall have access to the structure for the performance of inspections, repair, construction, reconstruction and maintenance.

The COMPANY shall be notified by the STATE prior to commencing any such activities on or over COMPANY right-of-way. Prior to commencing any activities to fulfill its maintenance obligation, the STATE shall provide COMPANY with plans for such activities. Additionally,

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STATE contractors shall, before entering upon the COMPANY's right-of-way for performance of any of these maintenance activities, secure a fully executed, right-of-entry agreement from the COMPANY prior to entry onto the COMPANY's right-of-way for the occupancy and use of the COMPANY's right-of-way, regardless of whether it is within the limits of the STATE's easements, and to comply with all COMPANY recommendations relative to the requirements for right-of-entry agreements, required insurance and general safety regulations. All construction, reconstruction, inspections, repair or maintenance work shall be performed in accordance with the applicable STATE's "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" and COMPANY's insurance policies and safety regulations (such as those concerning flagging and track protection) in effect on the date the work is performed.

In accordance with existing maintenance policies, the STATE will not cause snow, ice or other materials to be plowed over the sides of the highway overpass structure. In consideration of this practice, the COMPANY agrees to waive its request for the STATE to attach splash boards to the sides of the highway overpass structure.

The STATE shall accept responsibility to review the need for fencing in the future. If it is determined by both PARTIES hereto, that because of the ejection of objects from the structure onto the COMPANY's property, that a fencing system will be an effective deterrent, then the STATE at its sole cost, shall install and maintain a protective fencing system on the highway overpass structure.

The STATE and the COMPANY agree to comply with all applicable provisions of federal, state, and local law. Per 225 ILCS 440, 23 U.S.C. 101 and Public Law 89-285 the COMPANY further agrees not to erect any advertising signs that would be visible from the highway pavement on the COMPANY's property within the limits of the highway right-of-way lines

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extended across the COMPANY's property. COMPANY reserves the right to seek compensation in any eminent domain proceeding for any loss of advertising rights.

SECTION 13. Reserved.

SECTION 14. Reserved.

SECTION 15. Reserved.

SECTION 16. In compliance with Federal-Aid Policy Guide, Chapter I, Subchapter G, Part 646, Subpart B, (23 CFR 646B) and supplements, which determines (among other things) the railway benefit and liability, the construction of the PROJECT as herein proposed meets Classification 2 of Section 646.210(b), a category not considered as a benefit to the COMPANY, and no contribution by the COMPANY is required.

SECTION 17. In the event that delays or difficulties arise in securing federal approval, or in acquiring right-of-ways, or in settling damages or damage claims, or for any other cause which in the opinion of the STATE render it impracticable to proceed with the construction of the PROJECT, then at any time before a construction contract is executed or actual construction is started, the STATE may serve formal notice of cancellation upon the COMPANY and this AGREEMENT shall thereupon become null and void.

SECTION 18. At the time this AGREEMENT was executed, there were funds available for the PROJECT; however, obligations assumed by the STATE under this AGREEMENT shall cease immediately, without penalty or payment beyond that which the COMPANY has already accumulated, should the Illinois General Assembly or the Federal Highway Administration fail to appropriate or otherwise make available funds for the PROJECT.

SECTION 19. By separate agreement or by condemnation the COMPANY shall convey to the STATE any temporary or permanent property rights necessary to construct, maintain or reconstruct the PROJECT.

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Agreement No.: RR2-15-064  
City of Moline, Rock Island County, Illinois

SECTION 20. Reserved.

SECTION 21. This AGREEMENT shall be binding upon the PARTIES hereto, their successors or assigns.

SECTION 22. This AGREEMENT shall be construed and interpreted according to the laws of the State of Illinois.


IN WITNESS WHEREOF, the PARTIES hereto have caused this AGREEMENT to be executed in duplicate counterparts, each of which shall be considered as an original, by their duly authorized officials as of the dates below indicated.

Executed by the COMPANY, this 1  
day of December, 2016.

Witness:   
(Signature)

Print Name: Donna B. Huck

IOWA INTERSTATE RAILROAD, LTD.


By:   
(Signature)

Print Name: CHAD LEWIS

Title: CHIEF ENGINEER

Date: 12/1/16

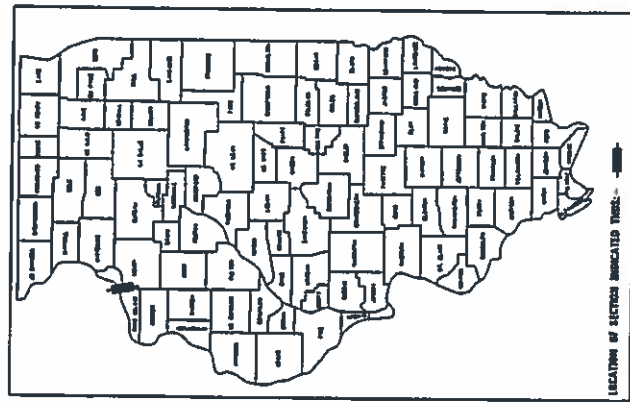
STATE OF ILLINOIS, acting by and through its Department of Transportation

By:   
Kevin Marchek, P.E.  
Region Two Engineer

Date: 12-5-2016



SECTION 02100  
 PART 1.1  
 DIVISION 1  
 PROJECT NO. 81-1R & 81-1HVBR  
 CONTRACT NO. 64C08  
 0-92-032-01



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED BY \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 CHIEF ENGINEER OF HIGHWAYS  
 DIVISION OF DESIGN AND ENVIRONMENTAL  
 ENGINEERING

APPROVED BY \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

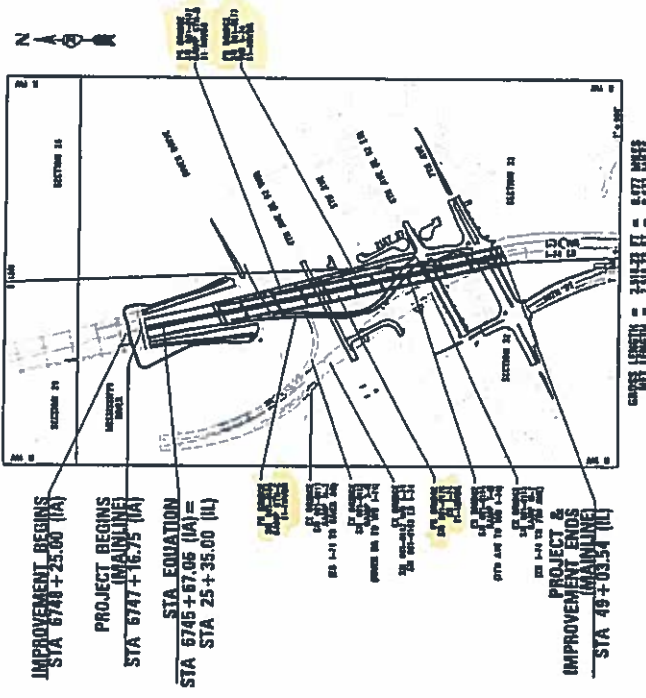
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*Exhibit "A" sheet 1 of 13*

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

**PROPOSED  
 HIGHWAY PLANS**

FAI ROUTE 74 (I-74)  
 SECTION (81-1)R & 81-1HVBR  
 PROJECT  
 RECONSTRUCTION  
 ROCK ISLAND COUNTY  
 MOLINE TOWNSHIP  
 C-92-063-15



INDEX OF SHEETS & LIST  
 OF STANDARDS, SEE SHEET 3

- DESIGN DESIGNATION
- I-74: 7'00'(35) INTERSTATE 74.86 (JCPCP-20)
  - RAMP RD-C: 1500'(35) RAMP 22.33 (JCPCP-20)
  - RAMP RD-H: 1350'(35) RAMP 22.33 (JCPCP-20)
  - RAMP 6TH-C: 900'(35) RAMP 22.33 (JCPCP-20)
  - RAMP 6TH-D: 900'(35) RAMP 22.33 (JCPCP-20)
  - 6TH AVE: 1600'(35) ARTERIAL 5.58 (JCPCP-20)
  - CONNECTOR: 1205'(35) COLLECTOR 5.02 (JCPCP-20)
  - 7TH AVE: 1825'(35) COLLECTOR 5.17 (JCPCP-20)
  - 19TH AVE: 955'(35) ARTERIAL 5.02 (JCPCP-20)
  - ROAD A: 70'(35) LOCAL ROAD 0.21 (JCPCP-20)
  - 21ST ST: 20'(35) LOCAL ROAD 0.07 (JCPCP-20)



JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-852-8763  
 OR 511

PROJECT MANAGER: REBECCA MARRUFFO  
 (815) 294-5902

CONTRACT NO. 64C08  
 ROCK ISLAND COUNTY SECTION (81-1)R & 81-1HVBR  
 FAI ROUTE 74 (I-74)

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.

Bench Marks: Chicago "T" in base of traffic sign at southeast corner of intersection of 5th Street and 7th Avenue. Elevation HVD 88 + 589.227

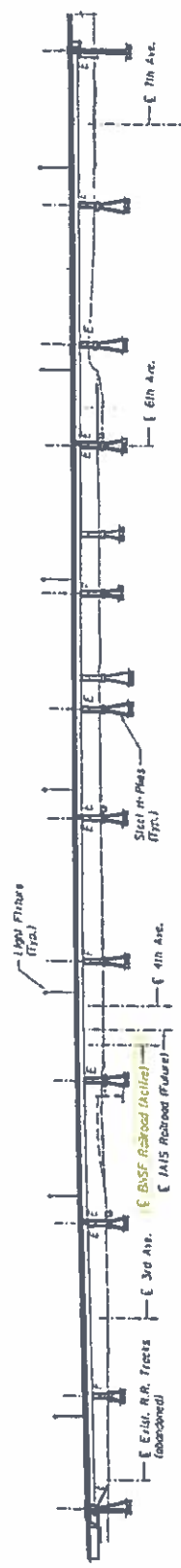
Existing Structures: The existing structures were built in 1915 as F.A.L. Route 74, S.K. 081-0142 and 324, 081-0144. The existing structures consisted of 26 spans of reinforced concrete arches with typical width of 42'-0" for each structure. Structures to be removed are indicated on sheet.

**DESIGN SPECIFICATIONS**  
 F012 AASHRO LRFD Bridge Design Specifications  
 6th Edition

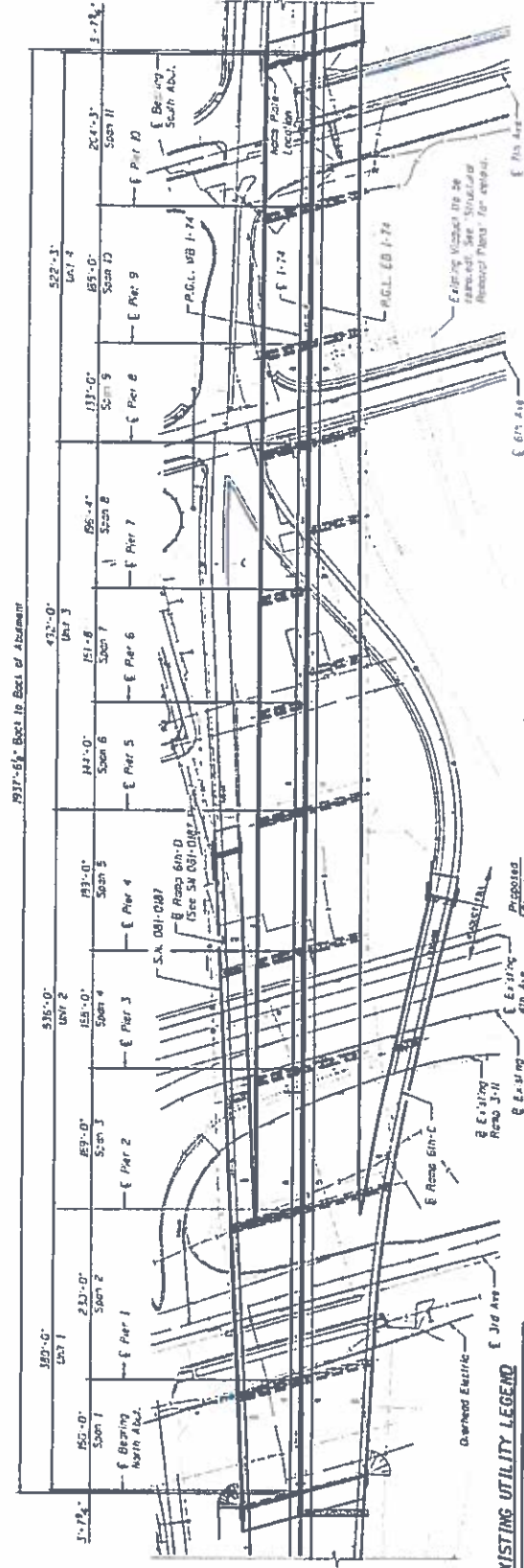
**SEISMIC DATA**  
 Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. (S<sub>a</sub>) = 0.05g  
 Design Spectral Acceleration at 0.2 sec. (S<sub>a</sub>) = 0.12g  
 Soil Site Class = C

**LOADING HL-93**  
 Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**  
 PERC. UNITS  
 f<sub>c</sub> = 5,000 psi  
 f<sub>s</sub> = 60,000 psi (if necessary)  
 f<sub>t</sub> = 50,000 psi (1975 to Grade 50)



**ELEVATION**



- EXISTING UTILITY LEGEND**
- Underground Sanitary Sewer
  - Underground Storm Sewer
  - Underground Telephone
  - Underground Gas Line
  - Underground Fire Ditch
  - Underground Water
  - Overhead Electric



**PLAN**



Notes: See zoning and lighting plans for existing and proposed utilities.



1000 North Dearborn Street, Suite 1400  
 Chicago, Illinois 60611  
 312.281.4100  
 Fax: 312.281.4101  
 www.benesch.com

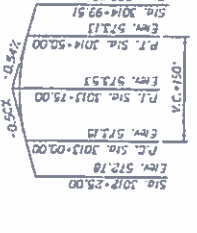
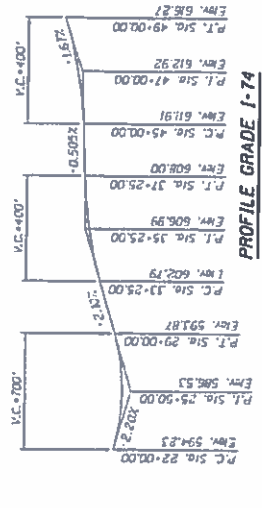
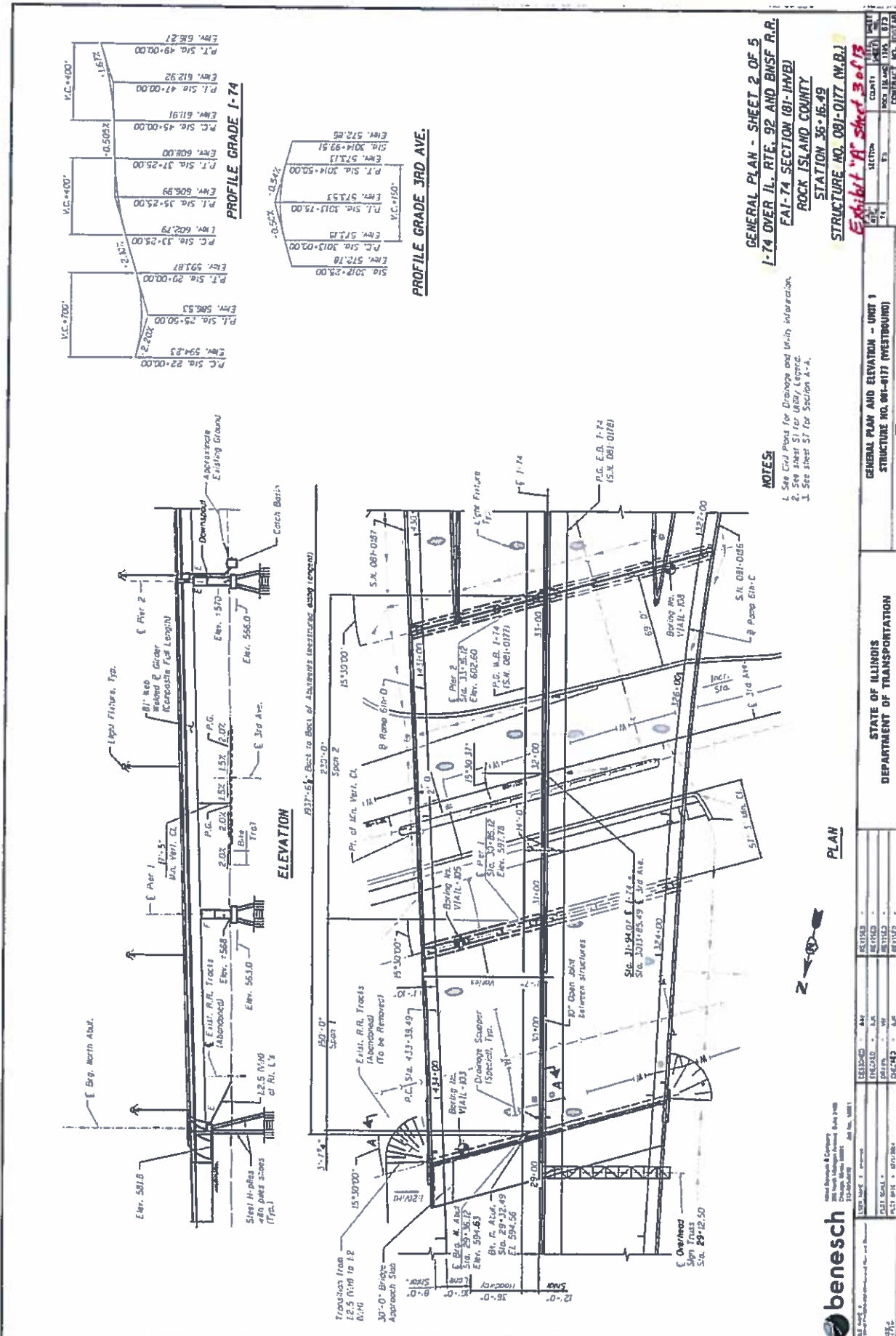
DESIGNED BY	ASJ	REVISION	
CHECKED BY	WJ	REVISION	
DRAWN BY	WJ	REVISION	
DATE	01/15/15	REVISION	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

OVERALL GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 081-0177 (WESTBOUND)

GENERAL PLAN - SHEET 1 OF 5  
 I-74 OVER ILL. RIE. 92 AND BNSF R.R.  
 FAI-74 SECTION (BI-1HWB)  
 ROCK ISLAND COUNTY  
 STATION 36+16.49  
 STRUCTURE NO. 081-0177 (W.B.)  
 Exhibit A Sheet 2 of 13

PROJECT NO.	081-0177	SECTION	BI-1HWB
COUNTY	ROCK ISLAND	DISTRICT	081
DATE	01/15/15	PROJECT	081



**GENERAL PLAN - SHEET 2 OF 5**  
**I-74 OVER I.L. RTE. 92 AND BMSF R.R.**  
**FAI-74 SECTION (81-IHBI)**  
**ROCK ISLAND COUNTY**  
**STATION 36+15.49**

**NOTES:**  
 1. See Civil Plans for Drainage and Utility Information.  
 2. See sheet 51 for Utility Legend.  
 3. See sheet 57 for Section A-A.

**STRUCTURE NO. 081-0177 (W.B.)**  
**Exhibit A Sheet 3 of 5**

SECTION	COUNTY	CONTRACT NO.
74	81	100728

**GENERAL PLAN AND ELEVATION - UNIT 1**  
**STRUCTURE NO. 081-0177 (INVERTGROUND)**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN**



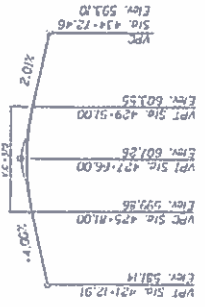
REVISED	DATE	BY
REVISION		
REVISION		
REVISION		

**benesch**  
 110 North Dearborn Street, Suite 200  
 Chicago, Illinois 60610  
 Tel. 312.346.8000 Fax 312.346.8001

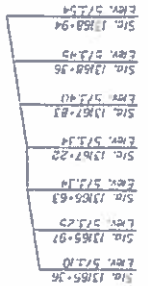
DESIGNED	CHECKED	DATE
DESIGNED		
DESIGNED		
DESIGNED		



**PROPOSED PROFILE GRADE  
4TH AVE. (IL. RTE. 92 WB)**



**PROFILE GRADE**  
Talley & Ramp 6th-D

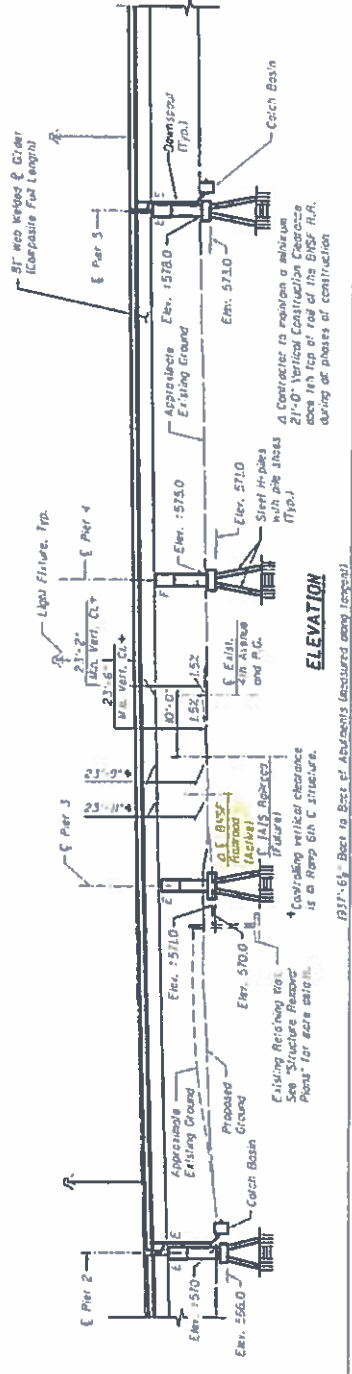


**TOP OF RAIL BNSF R.R.**

BNSF Sta. 1866+98 + u/e Post 249.37

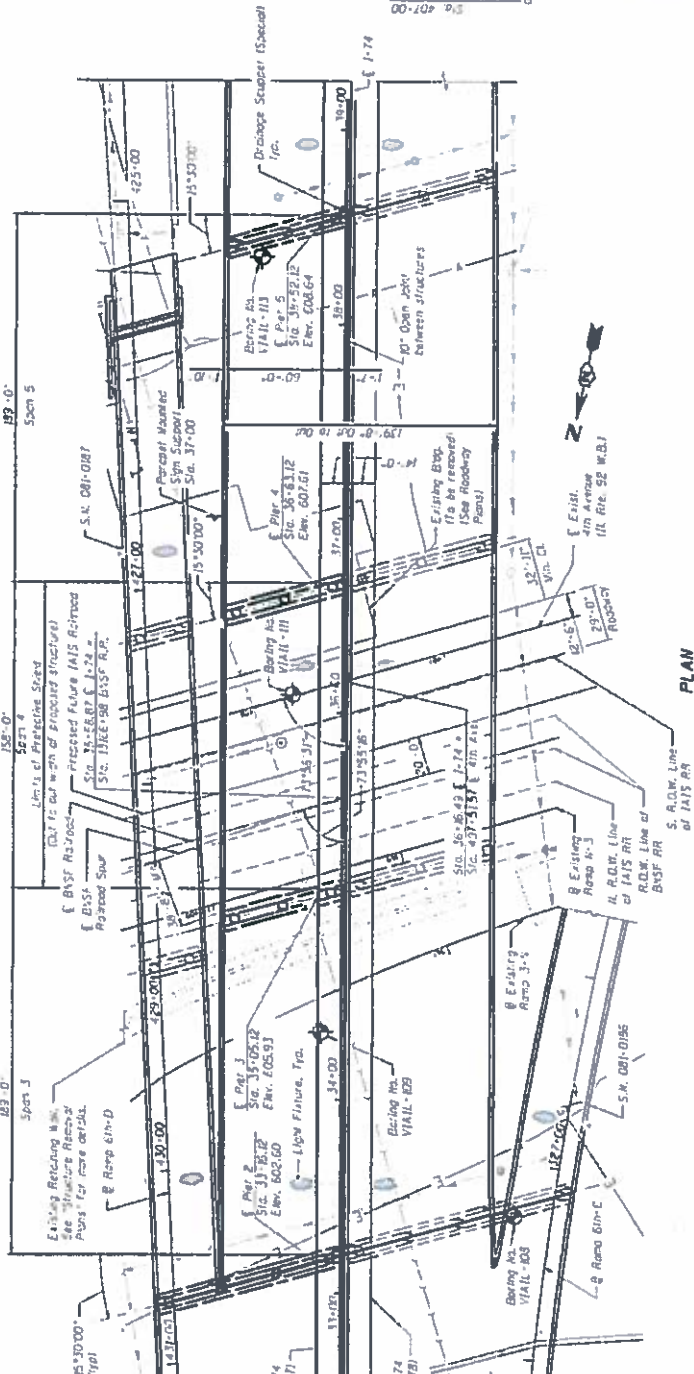


**EXISTING PROFILE GRADE 4TH AVE.**



**ELEVATION**

(317'-6") Back to Back of Abutments (measured along supports)



**PLAN**

**NOTES**

1. See Civil Plans for Drainage and Utility Information.
2. See Sheet 11 for Utility Legend.

**GENERAL PLAN - SHEET 3 OF 3  
I-74 OVER IL. RTE. 92 AND BNSF R.R.**

**FAI-74 SECTION (01-11V)**

**ROCK ISLAND COUNTY**

**STATION 36+16.49**

**STRUCTURE NO. 081-017 (W.B.)**

**Scale 1" = 10'-0"**



Benesch & Company, Inc.  
1100 North Dearborn Street, Suite 1400  
Chicago, Illinois 60611  
312.467.4000  
www.benesch.com

NO.	DATE	BY	REVISION
1	01/11/11	AW	ISSUED
2	01/11/11	AW	REVISED
3	01/11/11	AW	REVISED
4	01/11/11	AW	REVISED

**GENERAL PLAN AND ELEVATION - UNIT 2  
STRUCTURE NO. 081-017 (WESTBOUND)**

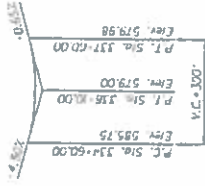
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SECTION COUNTY PROJECT NO. DATE**  
11 ROCK ISLAND COUNTY FAI-74 01/11/11

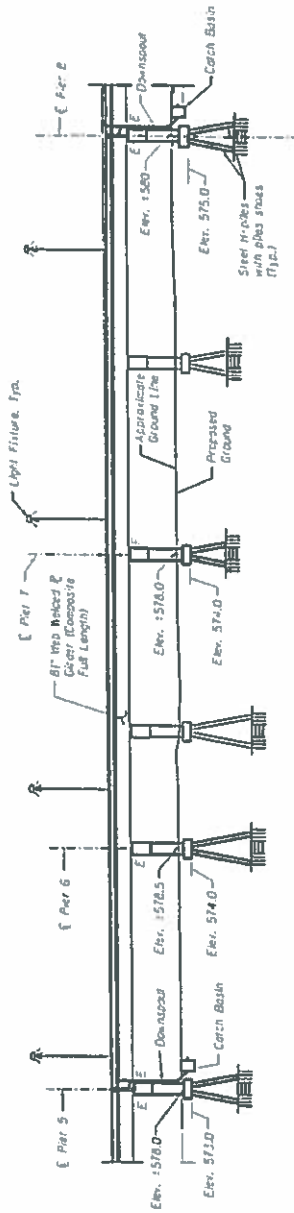


**CURVE DATA RAMP 6B-C-4**

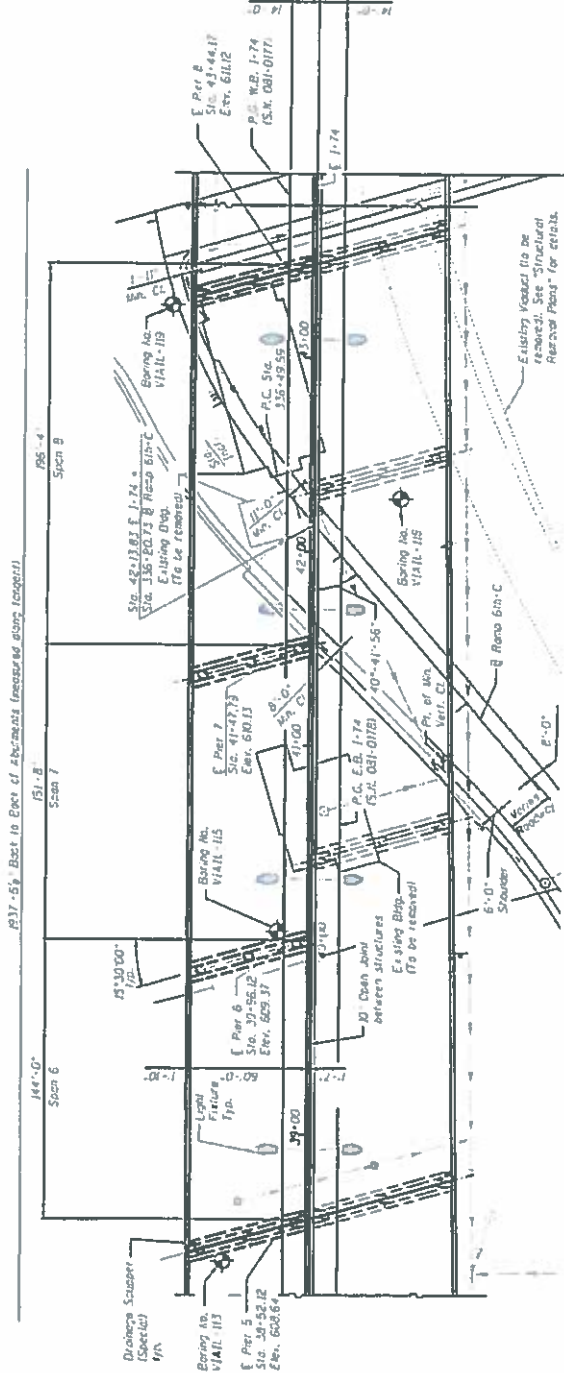
Δ = 31° 43' 31" (RT)  
 D = 20' 27" 46"  
 R = 250.00'  
 L = 193.58'  
 E = 1108'  
 P.C. = Sta. 136+49.59  
 P.T. = Sta. 139+04.63  
 P.I. = Sta. 137+29.15  
 S.E. = Normal Clear



**PROFILE GRADE RAMP 6B-C**



**ELEVATION**



**PLAN**

**GENERAL PLAN - SHEET 4 OF 5**  
**I-74 OVER ILL. RTE. 92 AND BNSF R.R.**  
**FA-74 SECTION (B1-JWB)**  
**ROCK ISLAND COUNTY**  
**STATION 36+16.49**  
**STRUCTURE NO. 081-0177 (W.B.)**  
**Exhibit 'A' sheet 5 of 13**

**NOTES:**  
 1. See Civil Plans for Drainage and Utility Information.  
 2. See sheet S1 for Utility Layout.

**GENERAL PLAN AND ELEVATION - UNIT 3**  
**STRUCTURE NO. 081-0177 (WESTERLY)**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



David Benesch & Company  
 1100 North Dearborn Street, Suite 1000  
 Chicago, Illinois 60610  
 Tel: 312.329.5000  
 Fax: 312.329.5001

DESIGNED	DATE
CHECKED	DATE
DRAWN	DATE
IN CHARGE	DATE

TITLE	SECTION	COUNTY	SCALE
74	B19	ROCK ISLAND	1" = 100'



Beauchamp, Chicago 77, in base of vertical light at southeast corner of intersection of 13th Street and 7th Avenue. Elevation MVD 88 + 582.27.

Existing Structures: The existing structures were built in 1975 at F.A.I. Road 74, S.R. 081-0142 and S.A. 081-0143. The existing steel structures consisted of 26 spans of reinforced concrete deck on masonry steel plate girders. The total length of existing structures is 12800'. The deck which is removable with typical width of 42'-0" for each structure. Structures to be removed and replaced. A minimum of 2 lanes in each direction shall be maintained during slope construction. No overlays.

### DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

### SEISMIC DATA

Seismic Hazard Zone (SP7) = I  
Design Spectral Acceleration at 1.0 sec. (S<sub>1.0</sub>) = 0.08g  
Design Spectral Acceleration at 0.2 sec. (S<sub>0.2</sub>) = 0.09g  
Soil Site Class = C

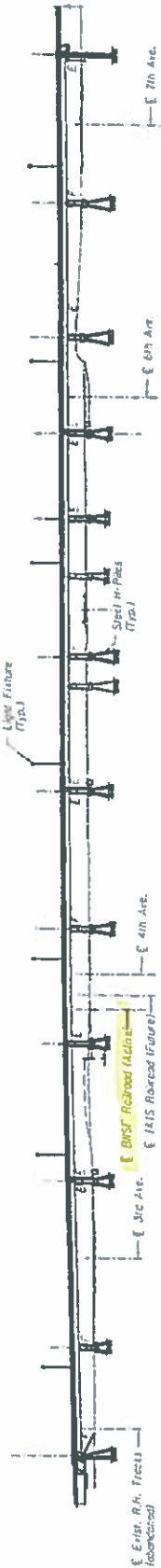
### LOADING HL-93

Allow 50#/Sq. Ft. for future wearing surface.

### DESIGN STRESSES

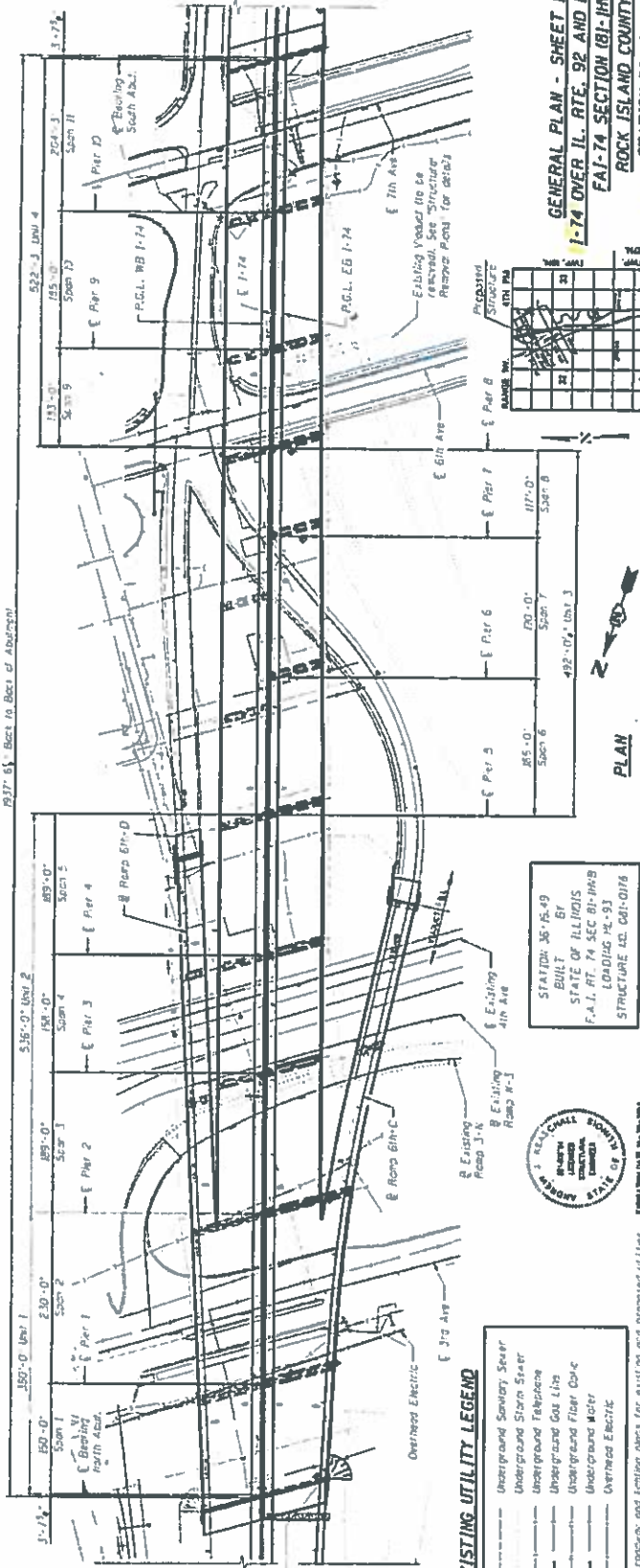
#### FIELD MOMS

f<sub>c</sub> = 4.25ksi (Reinforcement)  
f<sub>t</sub> = 65,000 psi (Reinforcement)  
f<sub>y</sub> = 50,000 psi (A270 Grade 50)



### ELEVATION

P37-61, Base to Back of Abutment



### EXISTING UTILITY LEGEND

- Underground Sanitary Sewer
- Underground Storm Sewer
- Underground Telephone
- Underground Gas Lts
- Underground Fiber Optic
- Underground Water
- Overhead Electric

Refer to existing and proposed utility maps.



1500 North Dearborn Street  
Chicago, Illinois 60610  
312.943.4400  
www.benesch.com

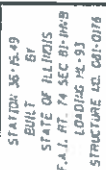
DESIGNED	BY	DATE
CHECKED	BY	DATE
DRAWN	BY	DATE
PROJECT	NO.	DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERALL GENERAL PLAN AND ELEVATION  
STRUCTURE NO. 081-0178 (EASTBOUND)

### NAME PLATE

STATION: 36+15.49  
BUILT BY  
STATE OF ILLINOIS  
F.A.I. RT. 74 SEC 81-1H-B  
LOADING HL-93  
STRUCTURE NO. 081-0178

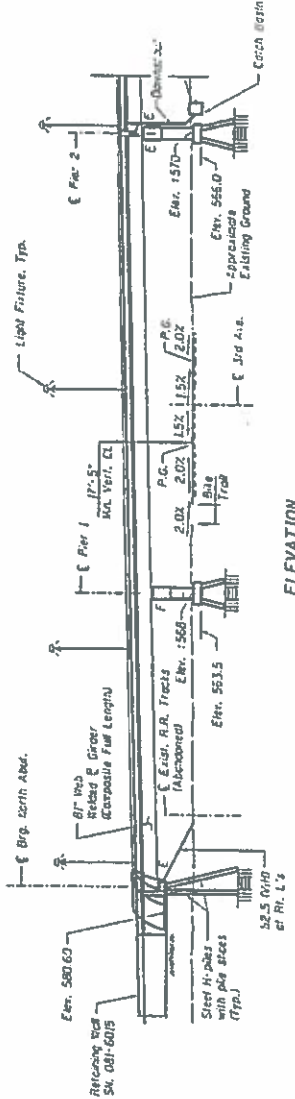


### PLAN

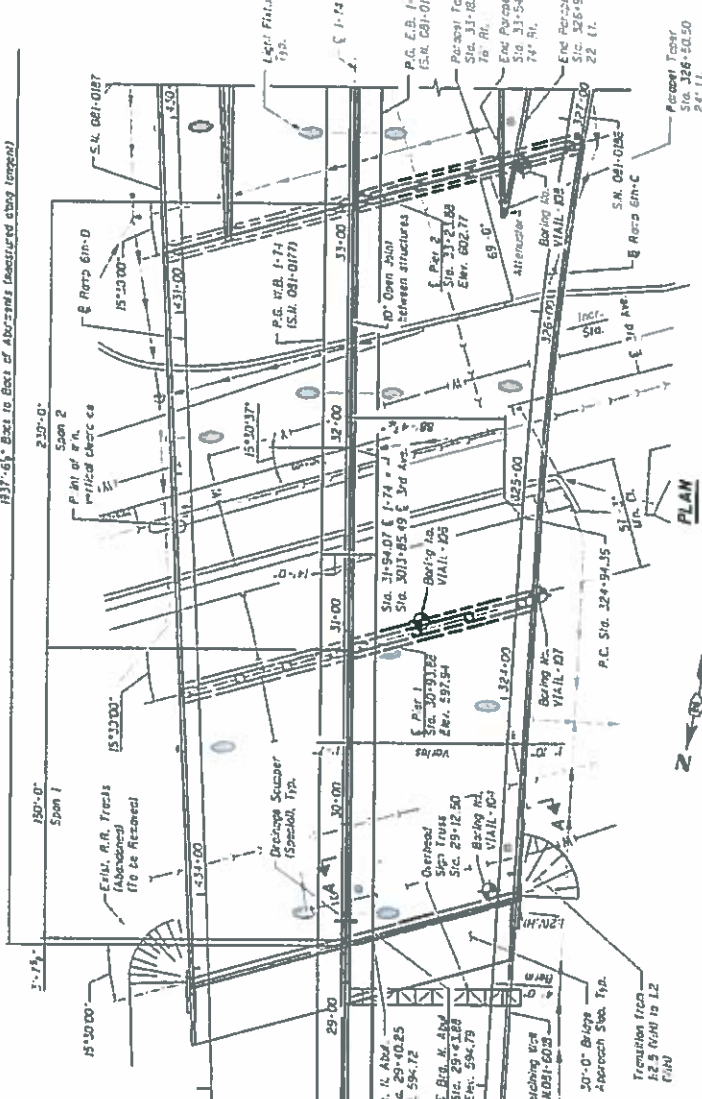
### LOCATION SKETCH



GENERAL PLAN - SHEET 1 OF 5  
I-74 OVER IL. RTE. 92 AND BNSF R.R.  
FAI-74 SECTION (81-1H-B)  
ROCK ISLAND COUNTY  
STATION 36+15.49  
STRUCTURE NO. 081-0178 (E.B.)  
Exhibit 'A' sheet 7 of 13



ELEVATION



PLAN

**PROFILE GRADE I-74**

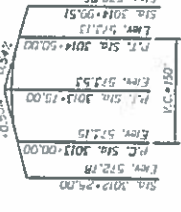
P.C. Sta. 22+00.00	Elev. 594.23	2.20%
P.L. Sta. 25+00.00	Elev. 586.53	
P.T. Sta. 29+00.00	Elev. 593.87	2.13%
P.C. Sta. 33+25.00	Elev. 602.79	1.13%
P.L. Sta. 35+25.00	Elev. 608.90	
P.T. Sta. 37+25.00	Elev. 610.00	+0.50%
P.C. Sta. 45+00.00	Elev. 611.91	
P.L. Sta. 47+00.00	Elev. 612.92	
P.T. Sta. 49+00.00	Elev. 616.28	1.15%

**PROFILE GRADE RAMP 6TH-C**  
(Along & Ramp 6th-C)

P.C. Sta. 324+75.00	Elev. 597.71	+1.84%
P.L. Sta. 325+50.00	Elev. 599.09	
P.T. Sta. 326+50.00	Elev. 600.82	R.T.
P.C. Sta. 327+50.00	Elev. 601.45	4.74%
P.L. Sta. 329+50.00	Elev. 608.71	
P.T. Sta. 331+50.00	Elev. 599.71	-2.63%
P.C. Sta. 334+50.00	Elev. 585.75	-4.90%

**CURVE DATA**  
R 6TH-C-2

A	= 9° 34' 42" (R)
D	= 2° 51' 53"
T	= 851.43'
L	= 334.07'
E	= 7.00'
R	= 2,022.00'
P.C.	= Sta. 324+94.35
P.T.	= Sta. 334+54.37
P.L.	= Sta. 329+24.36
Normal Crown	= Sta. 324+66
2.02 to 4.3%	S.E. = Sta. 334+69 to 325+95
4.3% to 3.5%	S.E. = Sta. 325+35 to 327.87
4.3% to CR 5.5%	= Sta. 327.87 to 329.32
CR 5.5% to 6.0%	= 329.32 to 331.35



**PROFILE GRADE 3RD AVE.**

**GENERAL PLAN - SHEET 2 OF 5**  
**I-74 OVER IL. RTE. 92 AND BNSF R.R.**  
**FAL-74 SECTION (01-18V)**  
**ROCK ISLAND COUNTY**

**STATION 36+46.49**  
**STRUCTURE NO. 081-0178 (E.B.)**  
*Exhibit A - sheet P of 3*

SECTION	QUANTITY	UNIT
1	1	LINEAL FOOT
2	1	LINEAL FOOT
3	1	LINEAL FOOT
4	1	LINEAL FOOT
5	1	LINEAL FOOT

**NOTES:**  
1. See Tab. Post for Details and (C) Interference.  
2. For Section 2-4, see Tab. 57.

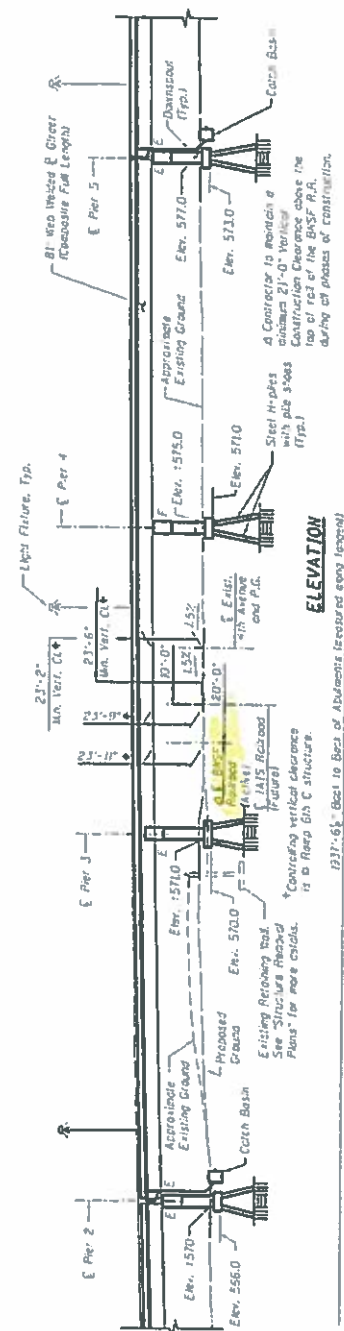
**GENERAL PLAN AND ELEVATION - UNIT 1**  
**STRUCTURE NO. 081-0178 (EASTBOUND)**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**benesch**  
13500 W. 111th St., Suite 100  
Overland Park, MO 66213  
Tel: (913) 241-2200  
Fax: (913) 241-2201  
www.benesch.com

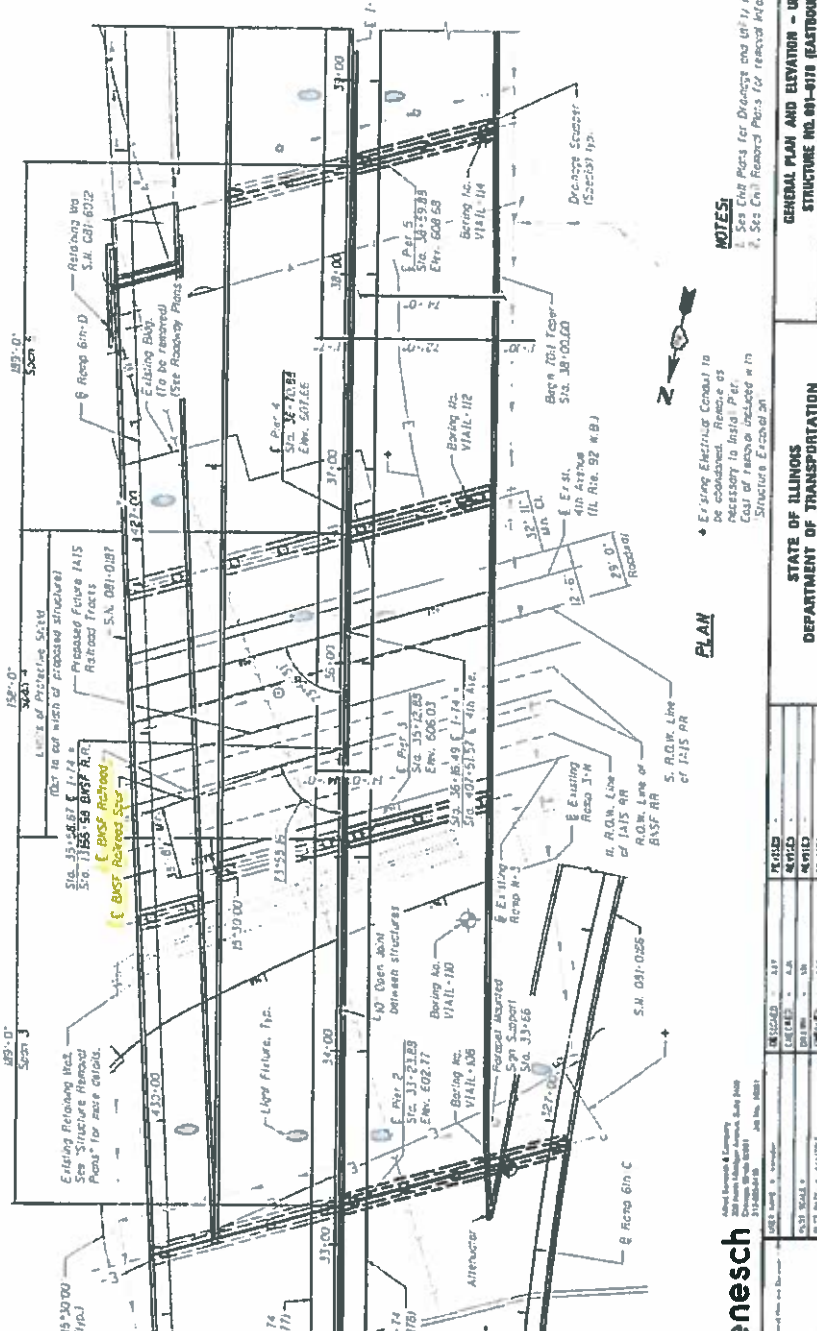
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DRAWN		REVIEWED	
CHECKED		REVIEWED	
IN CHARGE		REVIEWED	





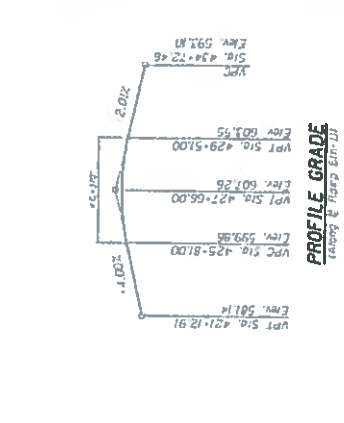
**ELEVATION**

1937'-6" Best to Best of Abutments, (restored along length)



**PLAN**

Using Electrical Contact to be considered. Remove as necessary to Initial Per. Cost of remove include w/in Structure Removal.



**PROFILE GRADE**

along 6' Ramp 6in-D

**TOP OF RAIL BNSF R.R.**  
BNSF Sta. 13156+55 = USE POST 248.37

Sta. 13155.36	13155.36
Sta. 13155.91	13155.91
Sta. 13160.63	13160.63
Sta. 13167.22	13167.22
Sta. 13171.34	13171.34
Sta. 13181.03	13181.03
Sta. 13184.49	13184.49
Sta. 13188.94	13188.94
Sta. 13193.39	13193.39

**EXISTING PROFILE GRADE 4TH AVE.**

Sta. 407.00	407.00
Sta. 407.50	407.50
Sta. 408.00	408.00
Sta. 408.50	408.50
Sta. 409.00	409.00
Sta. 409.50	409.50
Sta. 410.00	410.00
Sta. 410.50	410.50
Sta. 411.00	411.00
Sta. 411.50	411.50

**GENERAL PLAN - SHEET 3 OF 5**  
**I-74 OVER I.L. RTE. 92 AND BNSF R.R.**  
**FAI-74 SECTION (B1-B18B)**  
**ROCK ISLAND COUNTY**  
**STATION 36+16.49**  
**STRUCTURE NO. 081-0178 (E.B.)**

**NOTES**

- 1. See Civil Plans for Dimensions and (if) Information.
- 2. See Civil Record Plans for record Information.

**GENERAL PLAN AND ELEVATION - UNIT 2**  
**STRUCTURE NO. 081-0178 (EASTBOUND)**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

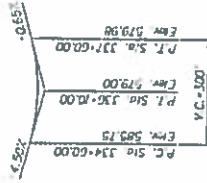
benesch  
1000 North Dearborn Street, Suite 200  
Chicago, Illinois 60610  
Tel: 312.467.1000  
Fax: 312.467.1001  
www.benesch.com

PROJECT NO.	117
DATE	12/11/08
DRAWN	12/11/08
CHECKED	12/11/08
APPROVED	12/11/08

SCALE	AS SHOWN
DATE	12/11/08
DRAWN	12/11/08
CHECKED	12/11/08
APPROVED	12/11/08

**CURVE DATA RAMP 6th-C-4**

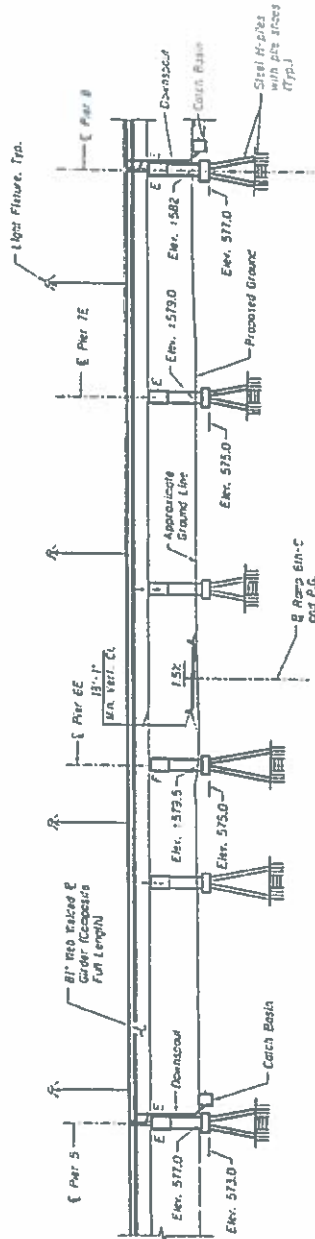
A = 31° 43' 31" (PVI)  
 D = 20' 27' 46"  
 T = 25.00'  
 L = 153.04'  
 E = 111.08'  
 P.C. = Sta. 335+49.50  
 P.T. = Sta. 337+04.63  
 S.E. = Normal Crown



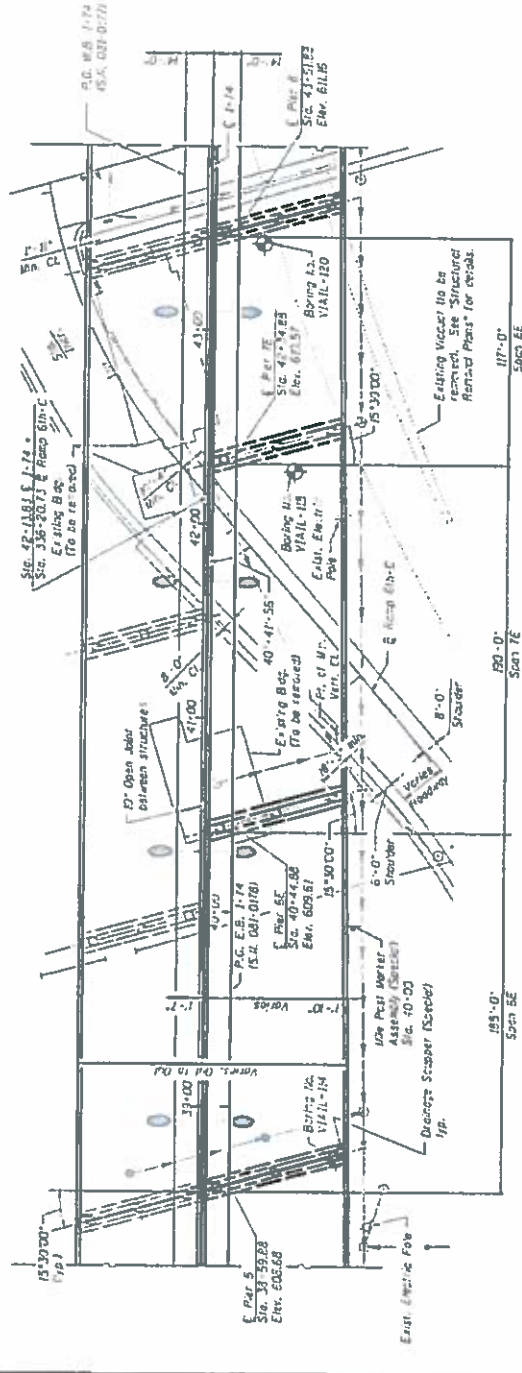
**PROFILE GRADE RAMP 6TH-C**

**NOTES:**

1. See City Specs for Drains and 1024 Inlets.
2. See Civil Engineer Plans for removal information.



**ELEVATION**



**PLAN**

**GENERAL PLAN - SHEET 4 OF 5**  
**I-74 OVER I.L. RTE. 92 AND BNSF R.R.**  
**EAL-74 SECTION (81-IHVB)**  
**ROCK ISLAND COUNTY**  
**STATION 36+46.49**  
**STRUCTURE NO. 081-0178 (E.B.)**  
**Sheet 'A' sheet 10 of 19**

SECTION	74	92
COUNTY	ROCK ISLAND	ILLINOIS
CONTRACT NO.	17071A	

**GENERAL PLAN AND ELEVATION - UNIT 3**  
**STRUCTURE NO. 81-0178 (EASTBOUND)**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



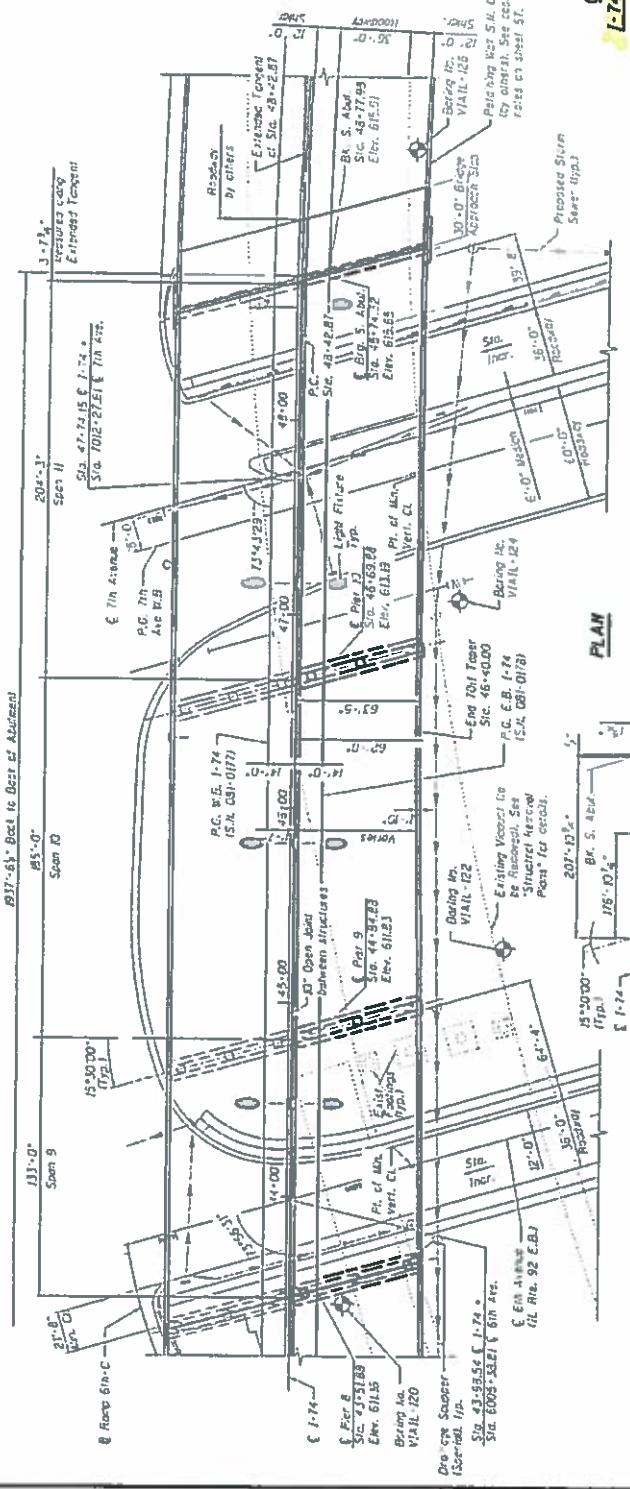
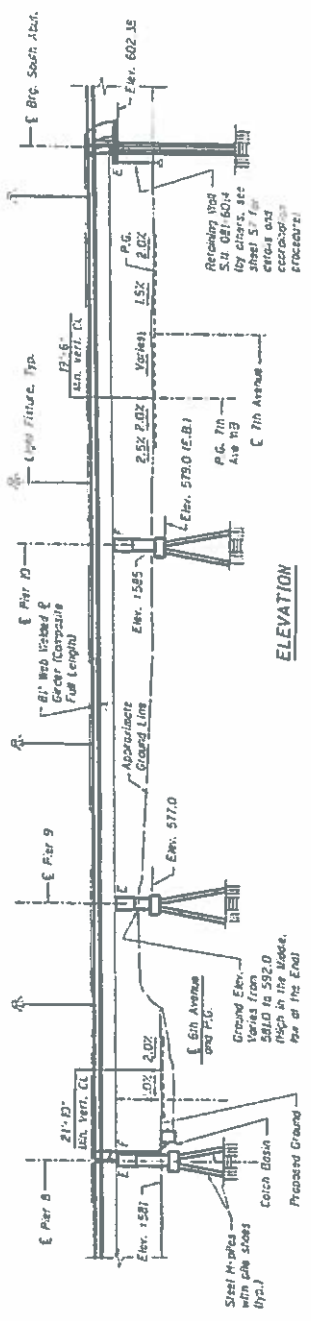
DESIGNED - JLT	CHECKED - JLT
DRAWN - JLT	CHECKED - JLT
SCALE - AS SHOWN	DATE - 11/15/01

P.C. Sta. 6003+75.00	Elev. 581.95	V.C. +150'
P.T. & P.C.	Sta. 6004+25.00	Elev. 582.82
P.L. Sta. 6005+00.00	Elev. 582.85	
Elev. 582.87		
Elev. 582.89		
Sta. 6009+00.00	Elev. 577.51	

**PROFILE GRADE 6TH AVE. (IL RTE. 92 E.B.)**

Sta. 6008+00.00	Elev. 588.76
Sta. 6009+00.00	Elev. 589.08
Sta. 6010+00.00	Elev. 589.38

**PROFILE GRADE 7TH AVE.**



- NOTES:**
- See City Plans for Driveway and Utility Information.
  - See Sheet S1 for Existing Utility Legend.

**GENERAL PLAN - SHEET 5 OF 5**  
**I-74 OVER IL RTE. 92 AND BNSF R.R.**  
**FAI-74 SECTION (61-14V1)**  
**ROCK ISLAND COUNTY**  
**STATION 36+16.49**  
**STRUCTURE NO. 081-0178**



DESIGNED BY	CHKD BY	DATE
DRAWN BY	REVISED BY	DATE
PROJECT NO.	DATE	SCALE
<p>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</p>		
<p>GENERAL PLAN AND ELEVATION - UNIT 4          STRUCTURE NO. 081-0178 (EASTBOUND)</p>		



Bench Marks: Chishead "3" in back of traffic light at southeast corner of intersection of 6th Street and 7th Avenue. Elevation NAD 83 = 589.227  
 Calling Structure Note

**DESIGN SPECIFICATIONS**  
 2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

**SEISMIC DATA**  
 Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{d1}$ ) = 0.06g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{d0.2}$ ) = 0.10g  
 Soil Site Class = C

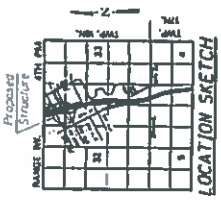
**LOADING HL-93**  
 Allow 50 kips/ft. for future wearing surface.

**DESIGN STRESSES**  
 Field Units  
 $f_c = 4,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (A270 Gr60 S)

**DRAINAGE SCUPPER STATIONS**  
 126.91.50 at West Culvert  
 130.75.00 at East Culvert

STATION 330+08.81  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.T. RT 74 SEC 81-P/R  
 LOADING HL-93  
 STRUCTURE NO. 091-0186

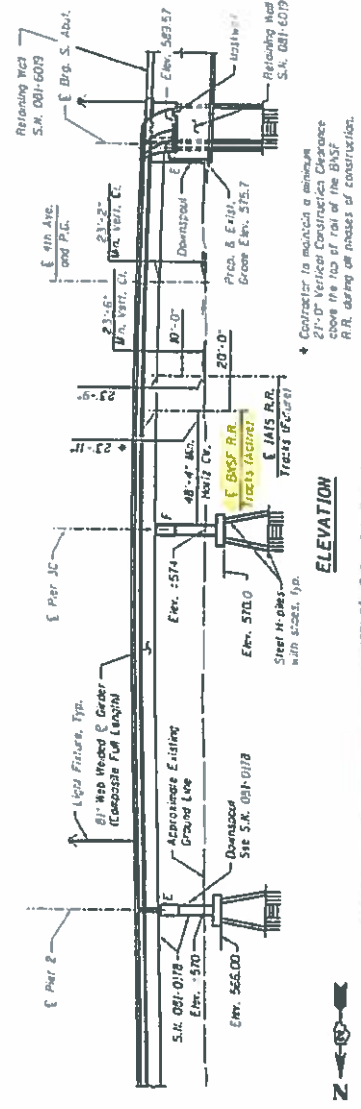
**NAME PLATE**  
 248 STA. 515001



**GENERAL PLAN & ELEVATION**  
 RAMP 6TH-C OVER BMSF R.R. AND 4TH AVE.  
 F.A.L. ROUTE 74-SECTION 81-14/R  
 ROCK ISLAND COUNTY  
 STATION 330+08.81  
 STRUCTURE NUMBER 091-0186

**TOP OF RAIL BMSF R.R.**  
 BMSF Sta. 13189+24 = 4th Post 249.41

Sta. 13185-36	Elev. 571.70
Sta. 13185-97	Elev. 573.25
Sta. 13186-63	Elev. 573.34
Sta. 13187-22	Elev. 573.40
Sta. 13187-83	Elev. 573.45
Sta. 13188-36	Elev. 573.49
Sta. 13188-94	Elev. 573.54



**ELEVATION**

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

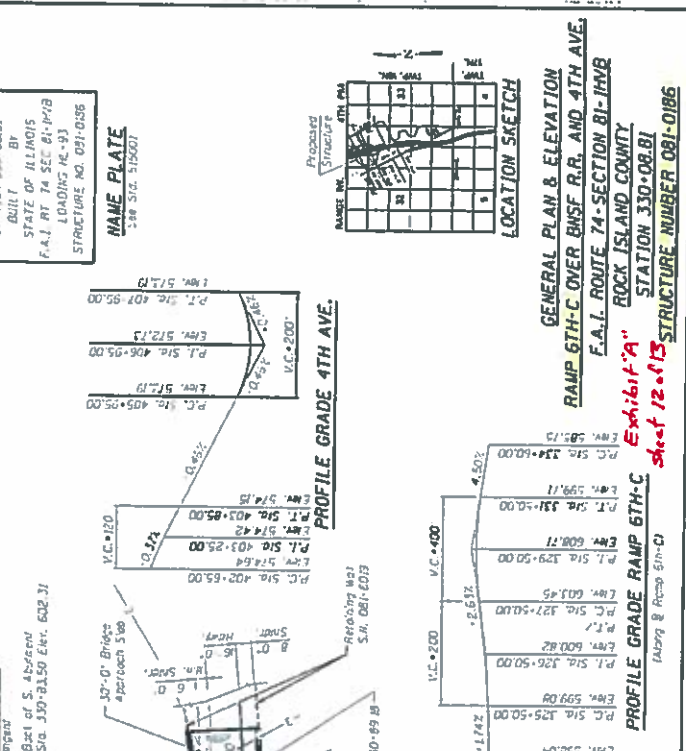
Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.



**PLAN**

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

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Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

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Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

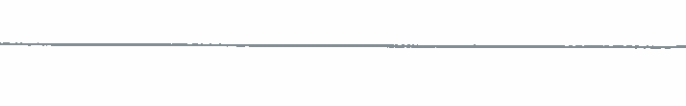
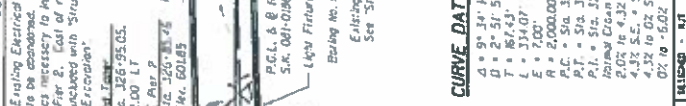
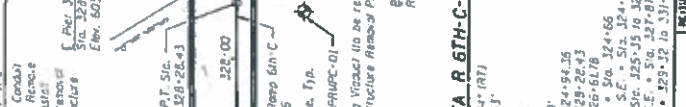
Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.

Contractor to maintain a minimum 21'-0" Vertical Clearance Clearance above the top of rail of the BMSF R.R. during all phases of construction.



**EXISTING UTILITY LEGEND**

- Underground Sanitary Sewer
- Underground Storm Sewer
- Underground Gasline
- Underground Fiber Optic
- Underground Electric

Note: See notes and existing plans for existing and proposed utilities.

**benesch**  
 200 North LaSalle Street, Suite 1800  
 Chicago, Illinois 60610  
 Phone: 312.467.1000  
 Fax: 312.467.1001  
 Website: www.benesch.com

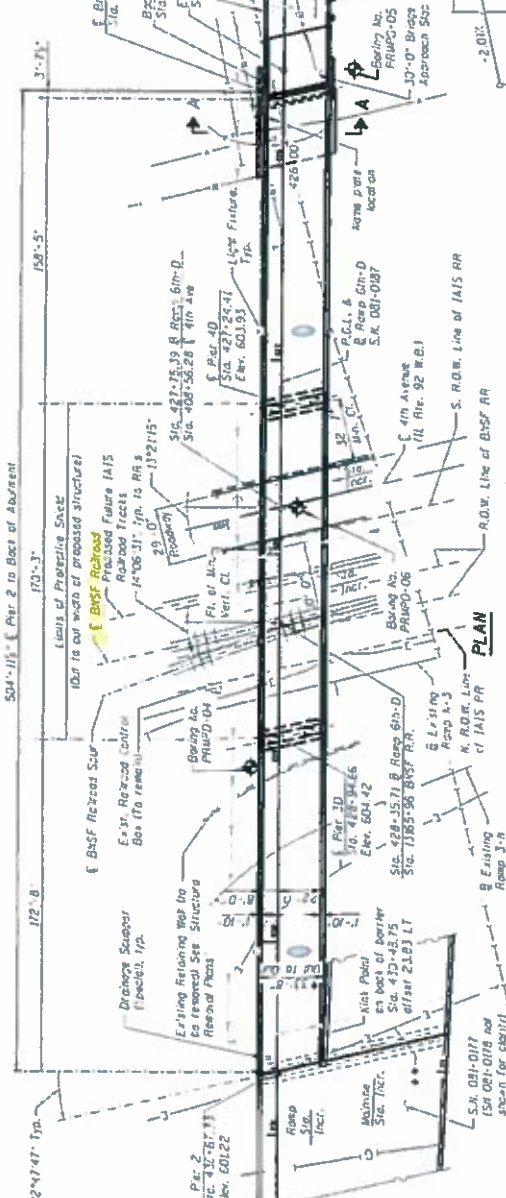
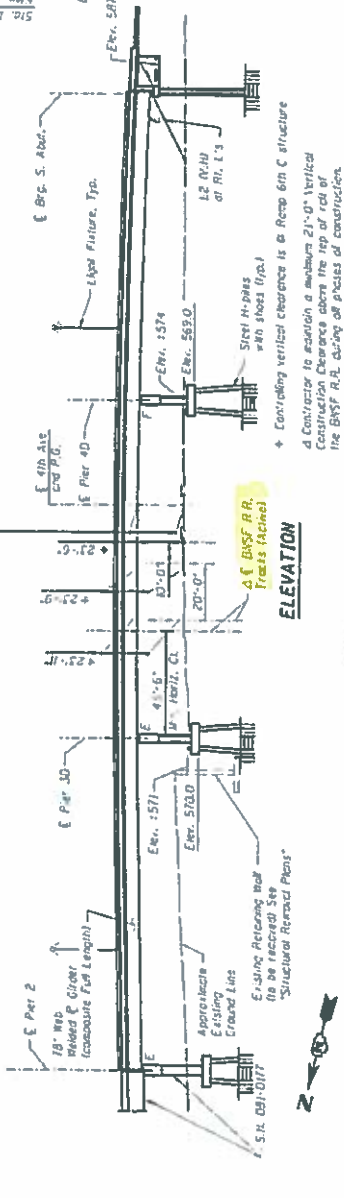
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01/15/13	96	MB	MB
01/15/13	97	MB	MB
01/15/13	98	MB	MB
01/15/13	99	MB	MB
01/15/13	100	MB	MB



Branch West, Chained "Y" in base of traffic light at southeast corner of intersection of 6th Street and 4th Avenue. Elevation MVD 88 = 589.227  
Existing Structure Zone

Sta. 1365.36	Emr. 514.20
Sta. 1365.97	Emr. 512.25
Sta. 1366.63	Emr. 513.34
Sta. 1367.83	Emr. 515.40
Sta. 1368.36	Emr. 514.45
Sta. 1368.94	Emr. 513.54

**TOP OF RAIL BNSF R.R.**  
BNSF Sta. 1155:98 + M.P. 437 293.35  
Elev. 587.66



• Deck with ties of North End of Structure. See shear SDS for each variation.  
• Existing Electrical Conduit to be abandoned. Remove as necessary to avoid Pier 2. Cost of removal included with Structure Erection.

**DESIGN SPECIFICATIONS**  
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

**SEISMIC DATA**  
Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 10 sec. (S<sub>a10</sub>) = 0.06g  
Design Spectral Acceleration at 0.2 sec. (S<sub>a0.2</sub>) = 0.20g  
Soil Site Class = E

**LOADING HL-93**  
Allow 50 k/ft; 16 ft for 10 ft wide loading surface.

**DESIGN STRESSES**  
**FIELD LIMITS**  
L<sub>1</sub> = 3.570 ft  
L<sub>2</sub> = 60.000 ft (Reinforcement)  
L<sub>3</sub> = 50.000 ft (10270 Grack 50)

**DRAINAGE SCUPPER STATIONS**

425:00:00
437:01:50

NOTE: All scuppers are at east gutterline.

STATEN 427-75.39  
BUILT BY  
STATE OF ILLINOIS  
F.A.I. ROUTE 74 SECTION 81-HWB  
LOADING HL-93  
STRUCTURE NO. 081-087  
**NAME PLATE**  
See Sta. 310001



**GENERAL PLAN & ELEVATION**  
RAMP 6TH-D OVER BNSF R.R. AND 4TH AVE.  
F.A.I. ROUTE 74-SECTION 81-HWB  
ROCK ISLAND COUNTY  
STATION 427-75.39  
STRUCTURE NUMBER 081-087

**PROFILE GRADE 4TH AVE.**

Sta. 407.00	Emr. 572.93
Sta. 407.50	Emr. 573.02
Sta. 408.00	Emr. 573.28
Sta. 408.50	Emr. 573.44
Sta. 409.00	Emr. 573.62
Sta. 414.72-46	Emr. 591.80
Sta. 429-51.00	Emr. 603.55
Sta. 427-66.00	Emr. 607.26
Sta. 425-81.00	Emr. 597.86
Sta. 421-12.91	Emr. 581.14

**PROFILE GRADE**  
Ramp 6th-D  
Elev. 591.80

**GENERAL PLAN AND ELEVATION**  
STRUCTURE NO. 081-087 RAMP 6TH-D

**STATE OF ILLINOIS**  
DEPARTMENT OF TRANSPORTATION

**benesch**  
1000 Bankers Building  
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Chicago, IL 60601  
Tel: 312.329.3000  
Fax: 312.329.3001  
www.benesch.com

DESIGNED	08/2015
CHECKED	08/2015
DRAWN	08/2015
IN CHARGE	08/2015
APPROVED	08/2015

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