

The Existing Structure was built in 1979 by the State of Illinois as F.A.P. Route 132, Section (C-X)BR at Station 911+27.95 in Edgar Co.

# GENERAL PLAN AND ELEVATION

## S.N. 023-0024

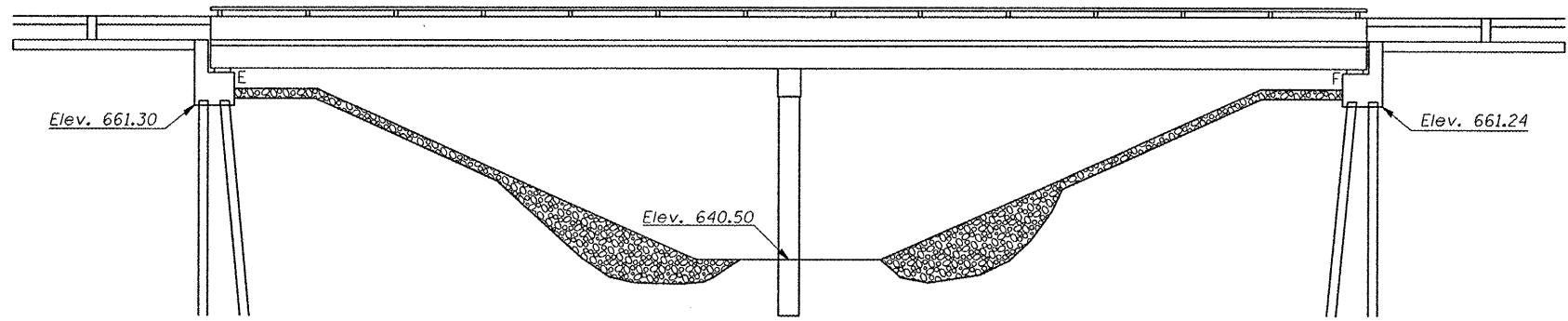
The structure is a 2 span concrete deck on steel beams, pile bent pier, & spill through abutments with a back to back abutment length of 128'-6". The structure has an out to out width of 66'-0", consisting of 2 - 12' lanes, 2 - 7'-5" shoulders, and 2 - 11' multi-use pathways.

Method of Construction: Staged Construction

See proposed improvements.

### PROPOSED IMPROVEMENTS

1. Partial removal of deck and parapets at South end of structure.
2. Removal of existing joint at South abutment.
3. Removal of hatch block at South abutment.
4. Place reinforcement bars, locking edge rail, and studs.
5. Pour deck ends.
6. Pour hatch block.
7. Insert Rubber Strip Seal into Locking Edge Rails.
8. Pour parapet ends.



**ELEVATION**

### TOTAL BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	CU YD	9.9
Concrete Superstructure	CU YD	9.9
Protective Coat	SQ YD	29.0
Reinforcement Bars, Epoxy Coated	POUND	880.0
Preformed Joint Strip Seal	FOOT	68.0
Bar Splicers	EACH	10.0
Approach Slab Repair (Partial Depth)	SQ YD	26.0

### GENERAL NOTES

The deck ends, hatch blocks and approach pavement shall have its final surface tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost to be included with concrete superstructure.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make the necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

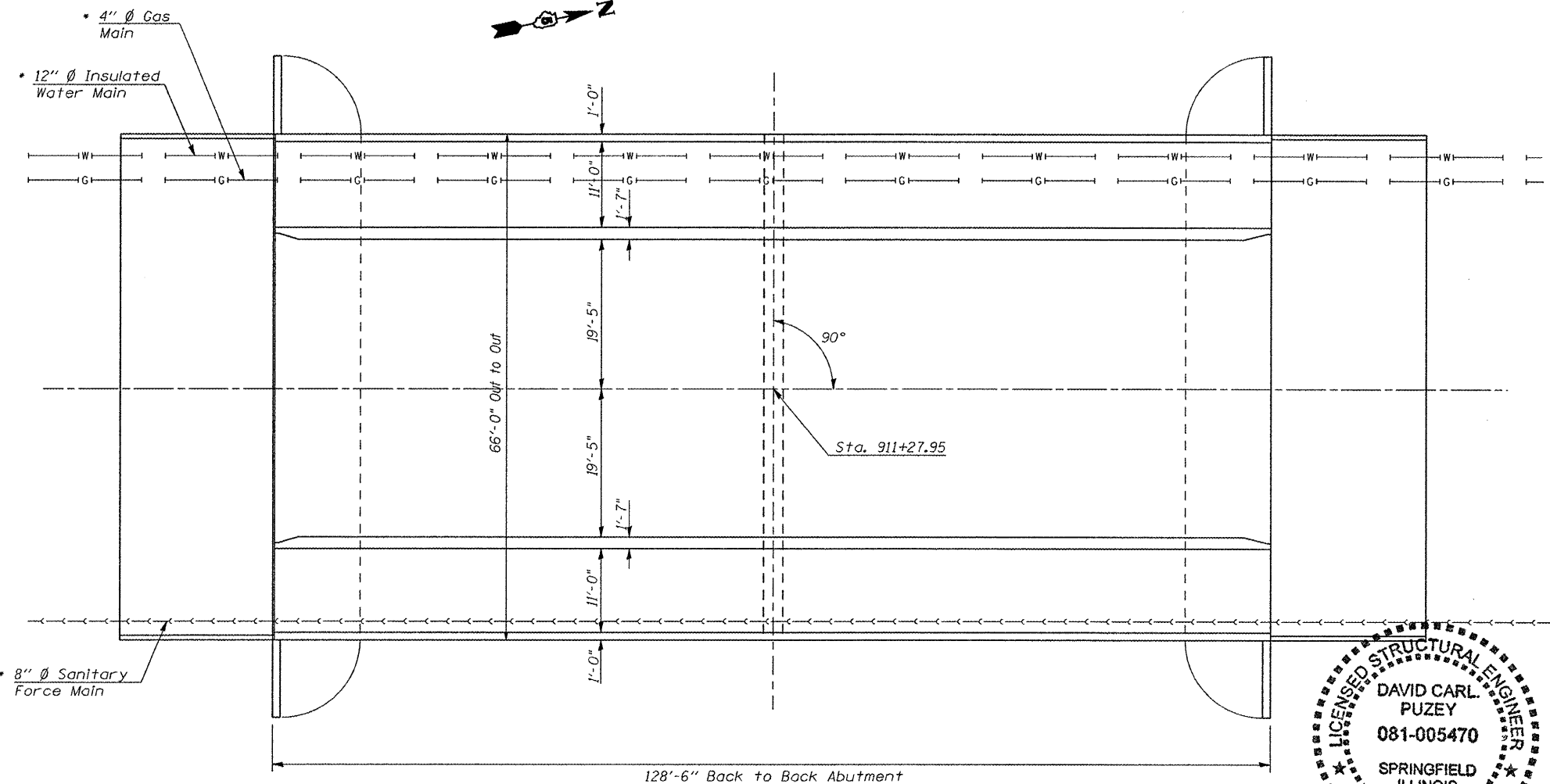
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surface in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

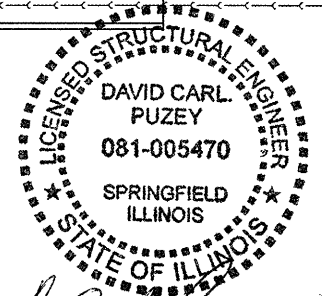
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

\*It is the responsibility of the contractor to communicate with the appropriate city authorities and utility company regarding the gas, water and sewer mains. Proper precautions must be made accordingly and all damages will be at the cost of the contractor.



**PLAN**



*David Carl Puze 2/7/11*  
Expires 11/30/2012

FILE NAME :	USER NAME : corollrt	DESIGNED : R. Carroll	REVISED :	<b>STATE OF ILLINOIS</b>	<b>GENERAL PLAN &amp; ELEVATION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\p\work\p\videt\corollrt\d0212096\Bri	ge Repairs - 023-0024.dgn	DRAWN : R. Carroll	REVISED :	<b>DEPARTMENT OF TRANSPORTATION</b>	<b>S.N. 023-0024</b>	•332 & 91	101 BDR & CX-BJR	EDGAR	36	13
PLOT SCALE : 40.0000' / IN.	CHECKED : T. Brandenburg	DATE : 10/1/2010	REVISED :	SCALE: SHEET NO. 1 OF 19 SHEETS STA. TO STA.		CONTRACT NO. 70873				
PLOT DATE : 2/7/2011	DATE : 10/1/2010	REVISED :	ILLINOIS FED. AID PROJECT							