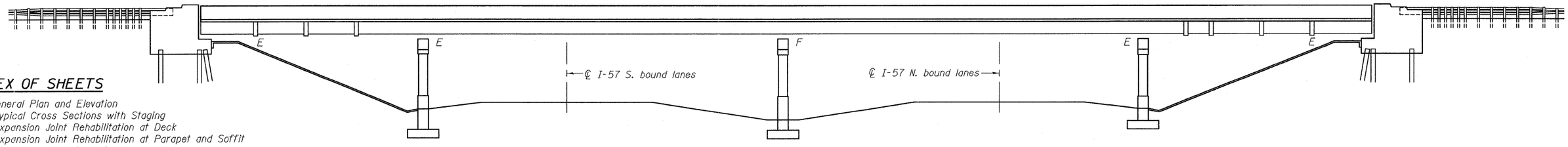
The existing structure was built in 1967. It is a four span continuous structure with steel beams. The substructure consists of open stub abutments and reinforced column concrete piers. The rehabilitaion work will be done utilizing stage construction.

The proposed improvements consist of hydroscarifying the deck, deck slab repairs, replacing the existing expansion joints, replacing the existing expansion bearings at the abutments, construction of a latex concrete overlay, providing drain extensions for existing drains, repair of the parapets, slope wall repair, and repair of the substructure.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	99-2HB -1-1-2	WILL	34	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
12 SHEETS

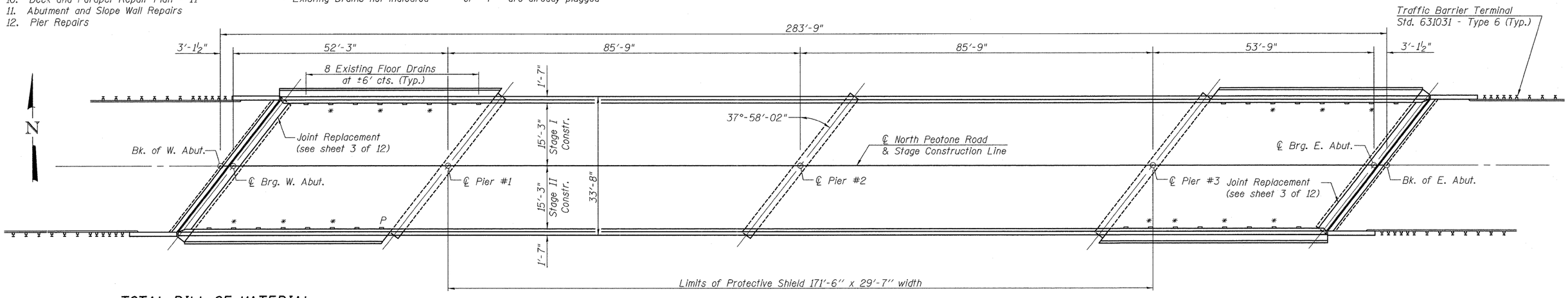
Contract #60D65



ELEVATION

INDEX OF SHEETS

* - Provide Floor Drain Extension (See Sheet 8 of 12 for Details)
P - Plug Existing Deck Drain (See Sheet 8 of 12 for Details)
▫ - Existing Drains not indicated " * " or " P " are already plugged



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	11.6		11.6
Bridge Deck Hydro-Scarification, ½"	Sq. Yd.	930		930
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2		2
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	78		78
Bridge Deck Latex Concrete Overlay, 2¼"	Sq. Yd.	930		930
Jack and Remove Existing Bearings	Each	12		12
Anchor Bolt, 1"	Each	24		24
Elastomeric Bearing Assembly, Type II	Each	12		12
Furnishing and Erecting Structural Steel	Pound	1271		1271
Preformed Joint Strip Seal	Foot	80		80
Concrete Superstructure	Cu. Yd.	12.7		12.7
Protective Shield	Sq. Yd.	564		564
Protective Coat	Sq. Yd.	34		34
Bridge Deck Grooving	Sq. Yd.	884		884
Reinforcement Bars, Epoxy Coated	Pound	1450		1450
Bar Splicers	Each	20		20
Slope Wall Repair	Sq. Yd.		15	15
Plug Existing Deck Drains	Each	1		1
Floor Drain Extension	Each	13		13
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	14	105	119

GENERAL NOTES

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 surfaces 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.

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid 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.

Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.

These plans have been prepared from notes received from the Illinois Department of Transportation field maintenance Engineers.

Protective Coat shall not be applied over Latex Concrete Overlay.

DESIGN SPECIFICATIONS

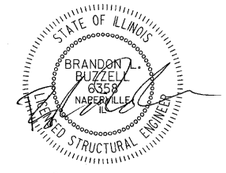
2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS 20-44

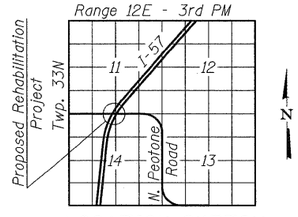
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36)



2.5.09
Expires 11-30-10



LOCATION SKETCH

rjngroup
Excellence through Ownership

200 West Front Street
Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
NORTH PEOTONE ROAD OVER I-57
FAI RTE 57 SECTION 99-2HB-1-1-2
WILL COUNTY
STATION 1035+6.40
STRUCTURE NO. 099-0162

DATE: 1-14-2009

DRAWN BY WJV
CHECKED BY BLB

2/5/2009 K:\1125901\Structures\N Peotone over I-57\GPE.dgn