

B.M. - Top of West end of Pier 1. Elevation = 718.89

Existing Structure - S.N. 101-3063 consists of a three span continuous steel beam reinforced concrete deck superstructure on solid reinforced concrete piers and spill-thru abutments. The existing bridge is 209'-1" long and 32'-0" wide. The bridge was built in 1969 under Section 144-B-CF.

Salvage - None

ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
5148		WINNEBAGO	15	4
F.A.U. RT. 5148		SEC. 06-00387-00-BR		85405
FED. ROAD DIST. NO. 7		ILL. ROAD PROJECT BHM-5099(67)		* 06-00387-00-BR

**KISHWAUKEE RIVER
RE-BUILT 200_ BY
WINNEBAGO COUNTY
SEC. 06-00387-00-BR
F.A.U. RT. 5148 STA. 40+90
STR. NO. 101-3063 LOADING HS20-44**

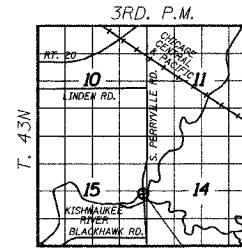
TOTAL BILL OF MATERIAL

Sheet 1 of 12

Item	Unit	Super	Sub. Abuts.	Total
Removal of Existing Concrete Deck	L. Sum.	1	---	1
Concrete Superstructure	Cu. Yd.	178.8	2.8	181.6
Bridge Deck Grooving	Sq. Yd.	690	---	690
Protective Coat	Sq. Yd.	735	---	735
Furnishing & Erecting Structural Steel	L. Sum	1	---	1
Stud Shear Connectors	Each	2850	---	2850
Jack and Remove Existing Bearings	Each	10	---	10
Reinforcement Bars, Epoxy Coated	Lbs.	50,180	530	50,710
Steel Bridge Railing, Type SM	Foot	418	---	418
Name Plates	Each	1	---	1
Relocating Name Plate	Each	1	---	1
Preformed Joint Strip Seal	Foot	64	---	64
Elastomeric Bearing Assembly, Type I	Each	5	---	5
Elastomeric Bearing Assembly, Type II	Each	5	---	5
Anchor Bolts, 1"	Each	---	20	20
Drill and Grout Bars	Each	---	140	140

LETTERING FOR NAME PLATE

Locate Name Plate at Corner of Bridge
(See Std. 515001-02)



LOCATION SKETCH

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface.

GENERAL NOTES

1. Calculated weight of Structural Steel = 1,940 lbs.
2. No field welding is permitted except as specified in the contract documents.
3. Reinforcement bars shall conform to the requirements of ASTM A 706, Grade 60 (IL Modified). See Special Provisions.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. 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 deck.
6. Plan dimensions and details relative to existing plans are subject to routine variation. 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 for the work.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources, if required, for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.
9. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
10. Two 1/8 inch adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
11. All embedded and separate bearing plates, side retainers, steel extensions, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).
12. H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.

Corporate License Number 184-001-084

GENERAL PLAN AND ELEVATION

**PERRYVILLE ROAD BRIDGE
OVER NORTH BRANCH KISHWAUKEE RIVER
F.A.U. ROUTE 5148
SECTION 06-00387-00-BR
WINNEBAGO COUNTY
STRUCTURE NUMBER 101-3063
STATION 40+90**

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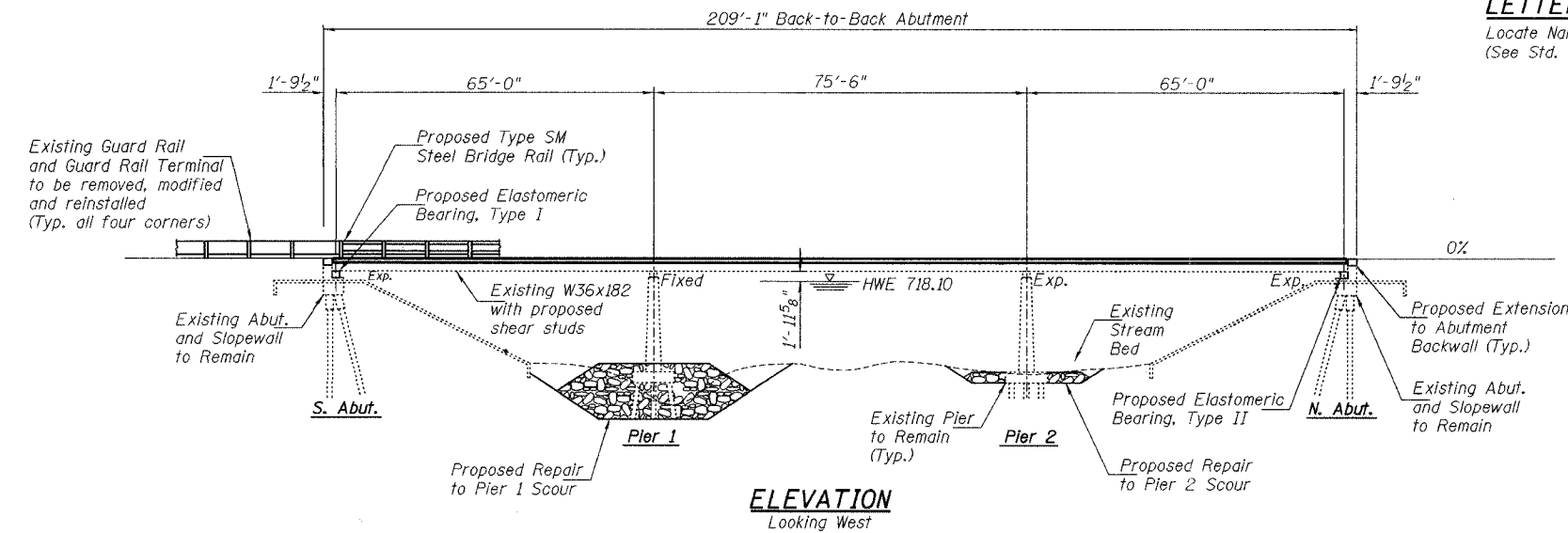


JOB NO.

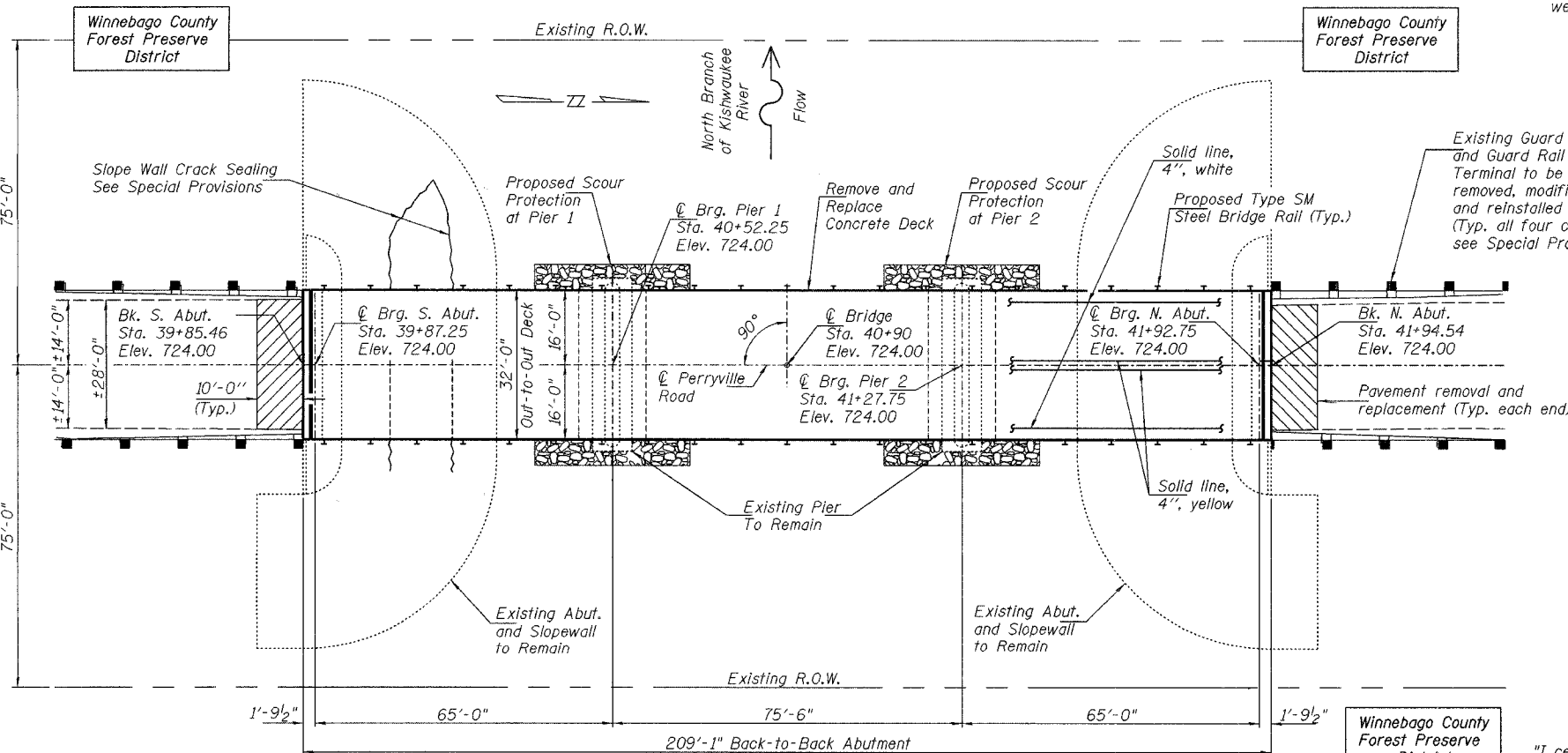
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DATE

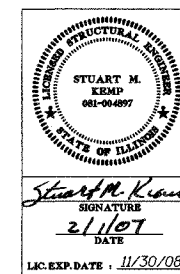
2/1/07



ELEVATION
Looking West



PLAN



Stuart M. Kemp
SIGNATURE
2/1/07
DATE

LIC. EXP. DATE: 11/30/08

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges.'"

Shts. 4-12

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LAYOUT	11/30/06
DRAWN	07/03/07
REVIEWED	07/10/07