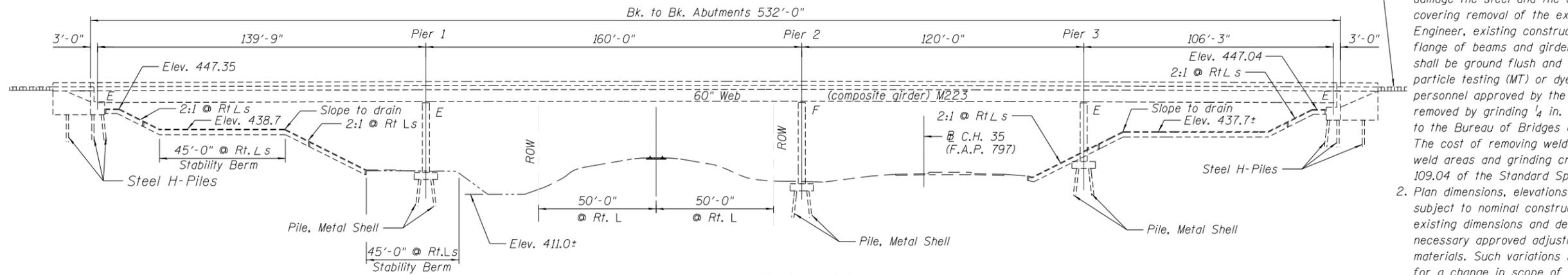


Bench Mark: Chiseled square on N.W. wingwall of bridge carrying Black Lane over Schoolhouse Branch 100'S. of C.H. 35 Elev. 428.64

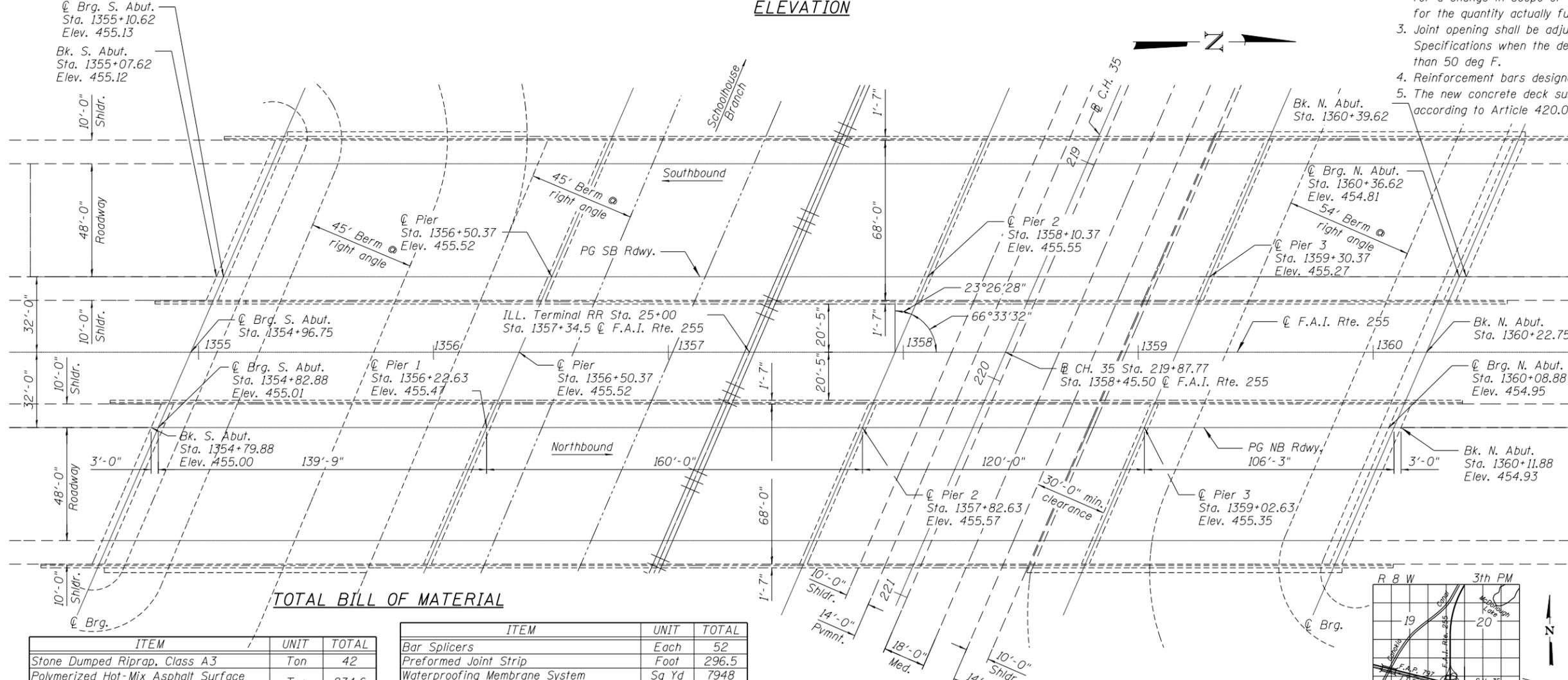
Existing Structure: The original structure was constructed in 1987 as FAI Route 255, Section 60-8BHVB. The dual superstructures consist of continuous four span composite welded plate girder bridges with 7 1/2" decks. The substructures consist of closed abutments and concrete piers, all supported on steel piles. The back-to-back of abutment dimension is 552'-0" and out-to-out of deck dimension 71'-2". The span lengths (CI bearing to CI bearing) are 140'-10 1/8", 160', 120', and 107'-4 1/8". The bridge has a left forward skew of 23°-26'-28". Two lanes of traffic will be maintained in each direction utilizing stage construction.

GENERAL NOTES

1. 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. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
2. Plan dimensions, elevations and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.
3. Joint opening shall be adjusted according to Art. 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 deg F.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. The new concrete deck surfaces shall have its final finish tined according to Article 420.09(e)(1).



ELEVATION



INDEX OF SHEETS

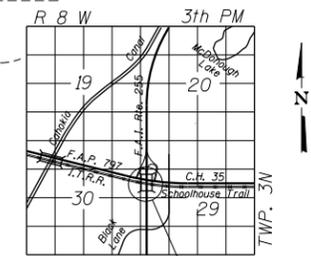
1. General Plan And Elevation
2. Stage Construction N.B.
3. Stage Construction S.B.
4. Temporary Concrete Barrier Details For Stage Construction
5. Deck Patching Plan N.B.
6. Deck Patching Plan S.B.
7. North Abutment Expansion Joint Concrete Removal And Replacement N.B & S.B
8. South Abutment Expansion Joint Concrete Removal And Replacement N.B & S.B
9. Deck Joint Details N.B. & S.B.
10. Preformed Joint Strip Seal Details
11. Bar Splicer Assembly And Mechanical Splicer Details
12. Slope wall Repairs Details.
13. Floor Drain For Steel Beam
14. Seismic Bumpers

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Dumped Riprap, Class A3	Ton	42
Polymerized Hot-Mix Asphalt Surface Course, Stone Matrix Asphalt, N80	Ton	834.6
Concrete Removal	Cu Yd	51.2
Slope Wall Removal	Sq Yd	8
Concrete Superstructure	Cu Yd	57
Reinforcement Bars, Epoxy Coated	Pound	8560

ITEM	UNIT	TOTAL
Bar Splicers	Each	52
Preformed Joint Strip	Foot	296.5
Waterproofing Membrane System	Sq Yd	7948
Concrete Sealer	Sq Ft	7654
Controlled Low Strength Material	Cu Yd	40.0
Deck Slab Repair Partial Depth	Sq Yd	74.7
Protective Coat	Sq Yd	133
Deck Slab Repair Full Depth Type I	Sq Yd	2
Floor Drain Special	Each	2
Furnish & Erect Structural Steel	Pound	4120

PLAN



LOCATION SKETCH



Francis A. Smith, J.R.
F. ALLEN SMITH, P.E., S.E.
NO. 081-005860
EXP. DATE 11/30/2012

10/18/2012 4:27:16 PM - G:\CHIN\03\Bridges\20120827_south_phase_final\electronic_submittal\VAI\255_60-(7,8)RS-2_CAD_Files\060-0216&0217-76A89-01-GPE.dgn

FILE NAME = 0600216&0217-76A89-01-GPE.dgn



USER NAME = ghowley
PLOT SCALE = 5/8" = 1'-0"
PLOT DATE = 10/18/2012

DESIGNED - WAE	X	REVISED -
CHECKED - FAS	X	REVISED -
DRAWN - DMG	X	REVISED -
CHECKED - SLZ	X	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
STRUCTURE NO. 060-0216 & 060-0217**

SHEET NO. 1 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60-(7,8) RS-2	MADISON	261	244
				CONTRACT NO. 76A89

ILLINOIS FED. AID PROJECT