

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

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.

Fasteners shall be high strength bolts. Bolts 3/4"φ, open holes 13/16"φ, unless otherwise noted.

Plan dimensions 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. Reinforcement bars designated (E) shall be epoxy coated.

Work is to be completed under road closure.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".

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".

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

SCOPE OF WORK

Repair	03/25/13 NBIS Inspection Report Item No.	Location	Repair Description
445	445	Span D, L48W-L49W	Replace 1 deteriorated & 2 missing lacing bars
357	357	Span D, L51W-L52W	Replace 1 deteriorated & 2 missing lacing bars
454	454	Span D, L55E-L56E	Replace 1 deteriorated & 1 missing lacing bars
165	165	Span 2IN, Girder D	Replace 10 Bolts
398	398	Span A at L4E & L4W	Replace 12 Bolts
298	298	Span B at L21E & L21W	Replace 12 Bolts
424	424	Span C, L33E-L34E	Replace 2 Bolts
450	450	Span D at L51W	Replace 14 Bolts & Bolt 2 miss drilled holes
510	510	Span D at L51E	Replace 14 Bolts & Bolt 2 miss drilled holes
459	459	Span F, Stringer A, at FB80, Panel 81	Replace 2 Bolts
32	32	Span C, Stringer A, at FB32, Panel 33	Grind crack
62	62	Span G, U10W-L102W, 5' to 15' above deck	Straighten, strengthen & grind crack
123	123	Span D, Gusset plate at L55W	Grind crack & seal
231	231	Span G, Stringer A at FB98, Panel 98	Replace connection angle
352	352	Span D, U47E-U48E at U48E	Replace outside slide angle
497	497	Span A at L10E	Replace 1 Bolt
421	421	Span C at L34W	Replace 1 Bolt & 1 missing rivet
433	433	Span D at L42E	Replace 1 missing rivet
221	221	Span F, Stringer B Bearing at FB79, Panel 79	Replace 1 missing bolt
417	417	Span B, C, U26E-L26E at L26E	Clean and Paint
18	18	Joint at P7N	Replace PJS with Silicone Joint Sealer
473	473	Joint at P18N	Replace PJS with Silicone Joint Sealer
475	475	Joint at P13N	Replace PJS with Silicone Joint Sealer
479	479	Joint at P10N	Replace PJS with Silicone Joint Sealer
480	480	Joint at P9N	Replace PJS with Silicone Joint Sealer
481	481	Joint at P8N	Replace PJS with Silicone Joint Sealer
482	482	Joint at P5N	Replace PJS with Silicone Joint Sealer
483	483	Joint at P2N	Replace PJS with Silicone Joint Sealer
484	484	Joint at P1N	Replace PJS with Silicone Joint Sealer
526	526	Joint at P1S	Replace PJS with Silicone Joint Sealer
527	527	Joint at P6S	Replace PJS with Silicone Joint Sealer

SCOPE OF WORK

Repair	03/25/13 NBIS Inspection Report Item No.	Location	Repair Description
B	8	Span 17N, Crossframe, between Girders B & C at C	Replace 1 bottom connector plate & bottom angle
161	161	Span 10S, Crossframe, between Girders A & B at A	Replace 1 bottom connector plate
195	195	Span C, L26E-L27E at L26E	Replace 1 bottom stay plate
528	528	Span 9S at Pier 8S, Girder D	Replace 1 missing bolt
272	272	Span A, L1E-L2W, both ends	* Replace deteriorated portion of bottom lateral angles
488	488	Span A, L1W-L2E, at L2E	* Replace deteriorated portion of bottom lateral angles
400	400	Span A, L7W-L8E, both ends	* Replace deteriorated portion of bottom lateral angles
503	503	Span B, L18W-L19E, both ends	* Replace deteriorated portion of bottom lateral angles
506	506	Span B, L22E-L23W, both ends	* Replace deteriorated portion of bottom lateral angles
507	507	Span B, L22W-L23E, both ends	* Replace deteriorated portion of bottom lateral angles
111	111	Span B, L23W-L24E, at L24E	Clean and paint gusset plates
117	117	Span D, L45W-L46E, at L46E	Clean and paint gusset plates
130	130	Span F, L78E-L79W, both ends	Replace deteriorated portion of bottom lateral angles and clean and paint gusset plates
375	375	Span F, L79E-L80W, both ends	* Replace deteriorated portion of bottom lateral angles
376	376	Span F, L79W-L80E, both ends	* Replace deteriorated portion of bottom lateral angles
378	378	Span F, L81W-L82E, both ends	Replace deteriorated portion of bottom lateral angles and clean and paint gusset plates
325	325	Span G, L94W-L95E, at L94W	* Replace deteriorated portion of bottom lateral angles
230	230	Span G, L96W-L97E, at L96W	* Replace deteriorated portion of bottom lateral angles
A	106	Multiple floorbeams	Replace deteriorated top flange angles
H	267	Span A, Str. A, Midspan, Panel 9	Strengthen bottom flange
I	267	Span C, Str. D, Midspan, Panel 27	Strengthen bottom flange
E	267	Span C, Str. D, Midspan, Panel 28	Strengthen bottom flange and web
F	267	Span D, Str. D, Midspan, Panel 48	Strengthen bottom flange and web
M	267	Span D, Str. A, 3' N. of FB 62	Strengthen bottom flange and web
B	267	Span E, Str. A, Midspan, Panel 71	Strengthen bottom flange and web
C	267	Span F, Str. D, Midspan, Panel 77	Strengthen bottom flange and web
G	267	Span F, Str. A, Midspan, Panel 78	Strengthen bottom flange and web
D	267	Span G, Str. A, Midspan, Panel 98	Strengthen bottom flange and web
L	267	Span G, Str. D, Full length, Panel 99	Strengthen bottom flange
J	267	Span G, Str. A, Midspan, Panel 99	Strengthen bottom flange
K	267	Span G, Str. A, Midspan, Panel 100	Strengthen bottom flange

(A) - Floorbeam repair. All repairs in this category are floorbeams selected from Item #106 of the 3/25/2013 NBIS Inspection Report. For locations, see sheet 7 of 13.

(B) thru (M) - Stringer repair (Items B thru M). All repairs in this category are stringers selected from Item #267 of the 3/25/2013 NBIS Inspection Report. See sheets 9 & 10 of 13.

* Recommend Clean and paint gusset plates in addition to angle replacement.

DESIGNED <i>TLC</i>	EXAMINED <i>Timothy A. ...</i>	DATE <i>AUGUST 1, 2014</i>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND SCOPE OF WORK SN 002-0005	F.A.S. RTE. 944	SECTION (1380-BRI)-7	COUNTY ALEXANDER	TOTAL SHEETS 17	SHEET NO. 6
CHECKED <i>ATH</i>	PASSED <i>...</i>	REVISED			CONTRACT NO. 78400	[ILLINOIS] FED. AID PROJECT			
DRAWN <i>baliva</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	SHEET NO. 2 OF 13 SHEETS						
CHECKED <i>TLC ATH</i>	ACTING ENGINEER OF STRUCTURAL SERVICES	REVISED							