

PROPOSED WORK

1. Remove and Replace Stage I H.M.A. Wearing Surface Prior to Stage I Traffic.
2. Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Bridge Deck.
3. Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Approach Slabs.
4. Perform Bridge Deck Scarification on Bridge Deck and Approach Slabs.
5. Partial Removal of Deck Ends, Parapets, and Removal of Hatch Block.
6. Removal of Existing Joints.
7. Perform Full-Depth Patching.
8. Replace Existing Bearings with Elastomeric Bearings at Abutments.
9. Place Reinforcement Bars, Locking Edge Rail, and Studs.
10. Pour Deck Ends and Hatch Block.
11. Insert Rubber Strip Seal Into Locking Edge Rails.
12. Pour Parapet Ends and Approach Bridge Rail Extensions.
13. Place Latex Concrete Overlay on Bridge Deck and Approach Slabs.
14. Repair Substructure Units-Abutments. Place Traffic Barrier Terminal, Type 6.

TOTAL BILL OF MATERIALS S.N. 010-0014 & S.N. 010-0015

ITEM	UNIT	QUANTITY
BITUMINOUS MATERIAL (TACK COAT)	POUND	329.0
H.M.A. SURFACE COURSE MIX "D", N90	TON	62.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	2100.0
CONCRETE REMOVAL	CU YD	19.7
PROTECTIVE SHIELD	SQ YD	410.0
FLOOR DRAINS	EACH	16.0
CONCRETE SUPERSTRUCTURE	CU YD	31.8
BRIDGE DECK GROOVING	SQ YD	1286.0
PROTECTIVE COAT	SQ YD	140.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	23010
STUD SHEAR CONNECTORS	EACH	224.0
REINFORCEMENT BARS, EPOXY COATED	POUND	4910.0
BAR SPLICERS	EACH	64.0
PREFORMED JOINT STRIP SEAL	FOOT	180.0
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28.0
ANCHOR BOLTS, 1"	EACH	56.0
TEMPORARY CONCRETE BARRIER	FOOT	1050.0
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1050.0
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
PAINT PAVEMENT MARKING - LINE 4 "	FOOT	9120.0
WIDTH RESTRICTION SIGNING	L SUM	1.0
JACK AND REMOVE EXISTING BEARINGS	EACH	28.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1279.0
BRIDGE DECK SCARIFICATION 1/4 INCHES	SQ YD	1302.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES	SQ FT	138.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10.8
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	62.3
POLYMER CONCRETE	CU FT	6.6
PLUG EXISTING DECK DRAINS	EACH	16.0
TEMPORARY SHORING AND CRIBBING	EACH	4.0
STRUCTURAL STEEL REMOVAL	POUND	7,120.0



GENERAL NOTES

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

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 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.

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

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.

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.

If the analysis submitted to the contractor for jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hard wood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

S.N. 010-0014 & 0015 have been determined, through testing, not to involve asbestos in a bituminous bridge deck wearing surface or waterproofing membrane. As certified with BBS Form 2536, January 3, 2003.

Fibers are included in Bridge Deck Latex Concrete overlays.

FILE NAME =	USER NAME = shoran_jm	DESIGNED -	REVISED - 10/25/16 vhw	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\084E81DINTE6.illinois.gov\F\DOT\Do	ments\DOT Offices\District 5\Projects\027	DRWING>Data\Structures\0572016-shc-Repai	REVISED -		S.N. 010-0014 (WB) & S.N. 010-0015 (EB)		74	(10-4,10-51)	CHAMPAIGN	74	8
Default	PLOT SCALE = 40,0000 1/4 in.	CHECKED -	REVISED -		SCALE:	SHEET 2 OF 33 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/21/2016	DATE -	REVISED -								