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HIGHWAY STANDARDS

- 000001-06
- 001001-02
- 001006
- 701006-03
- 701011-02
- 701306-03
- 701311-03
- 701321-12
- 701326-04
-  701422-04
- 701901-02
- 704001-07
- 780001-03
- 781001-03

COMMITMENTS

NONE

GENERAL NOTES

- 1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
- 2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - AMEREN ILLINOIS
  - AT&T ILLINOIS
  - CHARTER COMMUNICATIONS
  - NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT


MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 4. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 5. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- 6. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS CONTRACT:

MIXTURE USE	SURFACE	WIDENING
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION		
(GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "C"	MIXTURE "B"

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

- 7. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- 8. A QUANTITY OF 6061 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
- 9. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
- 10. THE CONTRACTOR SHALL RELOCATE MAILBOX 5776 WEST ON THE SAME SIDE OF THE STREET TO A TEMPORARY LOCATION NEAR MAILBOX 5729 AND RETURN IT TO ITS ORIGINAL LOCATION ONCE CONSTRUCTION HAS BEEN COMPLETED. THIS WORK SHALL BE DONE ACCORDING TO ART. 107.20 OF THE STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED  9-13-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS</b>	CH	SECTION	COUNTY	TOTAL	SHEET	
#FILE#		DRAWN -	REVISED -			1	1-HB-1	MADISON	28	2	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 76F62					
	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		100% STATE URBAN 0014		CODE NO	ITEM	UNIT		100% STATE URBAN 0014	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	30	30		50300300	PROTECTIVE COAT	SQ YD	207	207	
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	98	98		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1260	1260	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	134	134		50800515	BAR SPLICERS	EACH	22	22	
40600990	TEMPORARY RAMP	SQ YD	47	47		52000110	PREFORMED JOINT STRIP SEAL	FOOT	72	72	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	202	202		58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	713	713	
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.3	0.3		59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	106	106	
40800030	AGGREGATE (PRIME COAT)	TON	2	2		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1	1		67100100	MOBILIZATION	L SUM	1	1	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	346	346		70100320	TRAFFIC CONTROL AND PROTECTION STANDARD 701422	L SUM	1	1	
50102400	CONCRETE REMOVAL	CU YD	10.9	10.9		70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
50157300	PROTECTIVE SHIELD	SQ YD	345	345		70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
50300225	CONCRETE STRUCTURES	CU YD	0.9	0.9		70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	10.9	10.9		70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
						70300100	SHORT TERM PAVEMENT MARKING	FOOT	982	982	

**GENERAL NOTES**

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.

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 inch 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.

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.

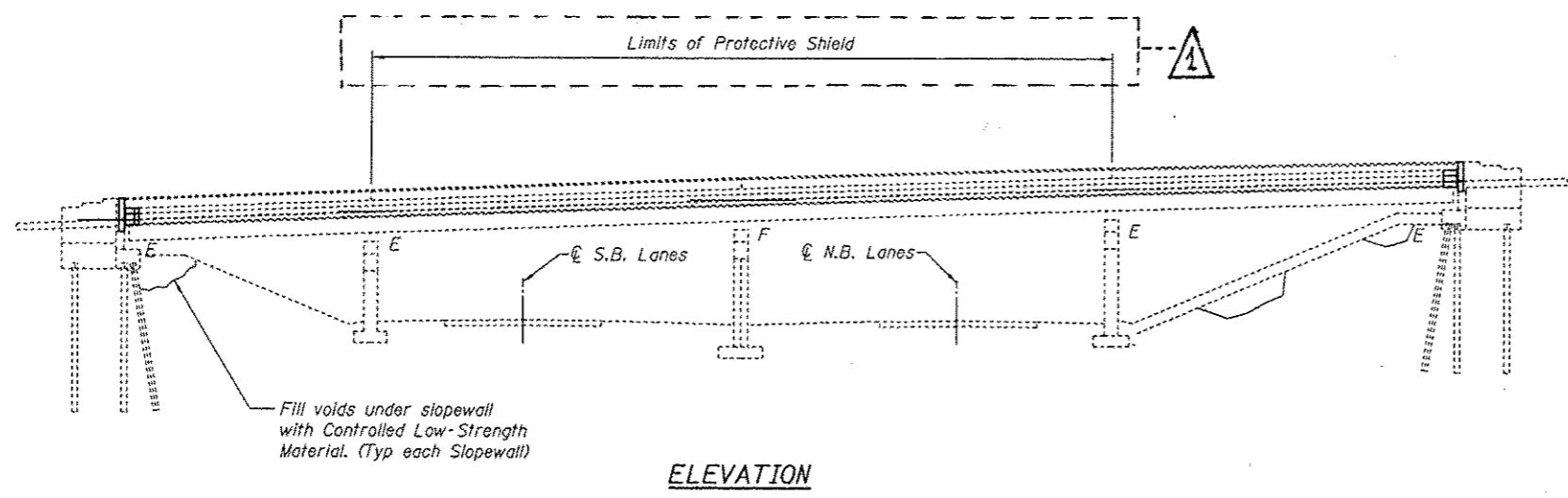
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall be AASHTO M 270 Grade 36, unless noted otherwise.

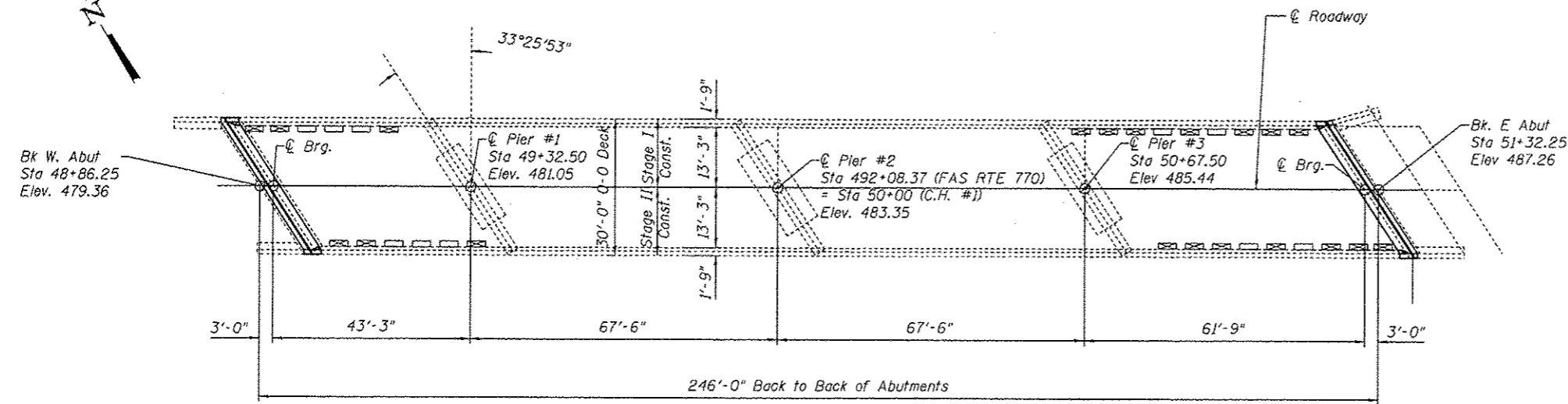
Joint opening shall be adjusted according to Article 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

Existing reinforcement bars extending into 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.

Protective coat shall be placed on top/inside faces of parapets/wingwalls and on top of new concrete at joints.



**ELEVATION**



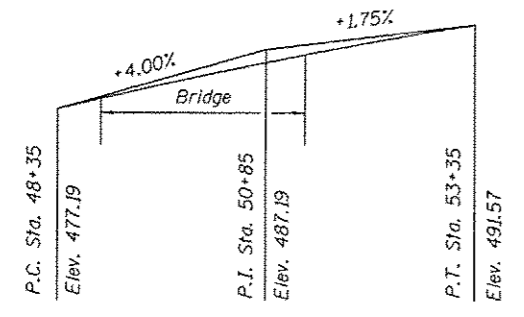
**PLAN**

- Floor Drain Extension
- Plug all existing drains

Replace deck ends, hatchblocks, and install strip seals at each end.  
 Perform partial and full depth deck slab repair  
 HMA overlay with WMS  
 Install drain extensions and plug drains

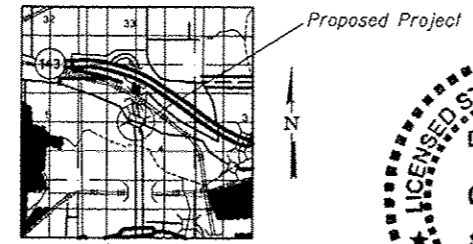
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8. Deck Patching Survey
9. Drain Extensions & Plugging
10. Strip Seal Details
11. Bar Splicer Base Sheet



**PROFILE GRADE**

(Along  $\phi$  Roadway)



**LOCATION SKETCH**



Expires 1/30/12

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	10.9
Concrete Superstructure	Cu. Yd.	10.9
Concrete Structures	Cu. Yd.	0.9
Bar Splicers	Each	22
Floor Drain Extension	Each	10
Plug Existing Deck Drains	Each	20
Preformed Joint Strip Seal	Foot	72
Waterproofing Membrane System	Sq. Yd.	713
HMA Surface Course, Mix "C" N70	Ton	58
Deck Slab Repair (Partial)	Sq. Yd.	272
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	64
Reinforcement Bars, Epoxy Coated	Pound	1260
Controlled Low-Strength Material	Cu. Yd.	106
Protective Coat	Sq. Yd.	207
Protective Shield	Sq. Yd.	345

DESIGNED - AYY	EXAMINED - <i>Timothy A. O'Connell</i>	DATE - 9/13/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION 060-0160	SHEET NO. 1 OF 13 SHEETS	RTE. CH 1	SECTION 1-HB-1	COUNTY MADISON	TOTAL SHEETS	SHEET NO.
CHECKED - ARS	PASSED - <i>David Carl Puzey</i>	28							15	
DRAWN - AYY	ENGINEER OF BRIDGES AND STRUCTURES	CONTRACT NO. 76F62								
CHECKED - ARS	ENGINEER OF STRUCTURAL SERVICES	ILLINOIS FED. AID PROJECT								

Rev. VHV 09/13/2012