

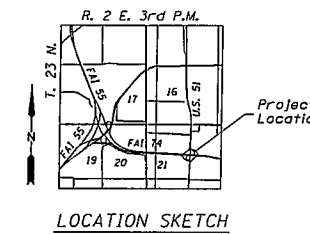
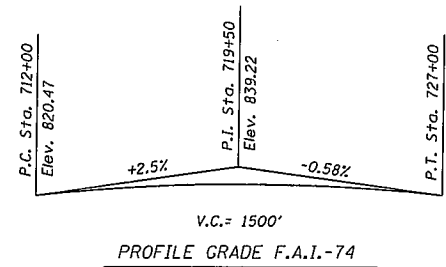
Benchmark: BM #1 on center top of slope drain headwall at Sta.48+60, 50' west of edge of southbound pavement Elev. = 815.96

Existing Structure: The existing dual four-span structures were built in 1963 as F.A.I. Route 74. The 7 inch R.C. slabs were supported on W30 X Beams. The existing structures are 181'-2" Back to Back of Abutments and vary from 52'-4 9/16" to 54'-7 1/16" Out to Out of Decks.

In 1991, the concrete deck was replaced and the substructure was repaired.

See additional proposed work on this sheet for description of proposed improvements.

Traffic to be maintained using Stage Construction.



**ADDITIONAL PROPOSED WORK**

1. Partial deck removal and replacement.
2. Add shear stud connectors at abutment end of beams.
3. Removal and replacement of portion of backwall and wingwall of EB structure.
4. Replace all four abutment PJS expansion joints with preformed joint strip seal.

**BILL OF MATERIALS**

Item	Unit	Super.	Sub.	Total
CONCRETE REMOVAL	CU YD	44.3	19.0	63.3
CONCRETE SUPERSTRUCTURE	CU YD	44.3	19.0	63.3
PROTECTIVE COAT	SO YD	192.5	--	192.5
REINFORCEMENT BARS, EPOXY COATED	POUND	8800	3150	11950
PREFORMED JOINT STRIP SEAL	FOOT	214.0	--	214.0
BAR SPLICERS	EACH	104	--	104
SHEAR STUD CONNECTORS	EACH	864	--	864

QUANTITIES FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER INCLUDED IN ROADWAY PLANS.

**GENERAL NOTES**

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

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make the necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the 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.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

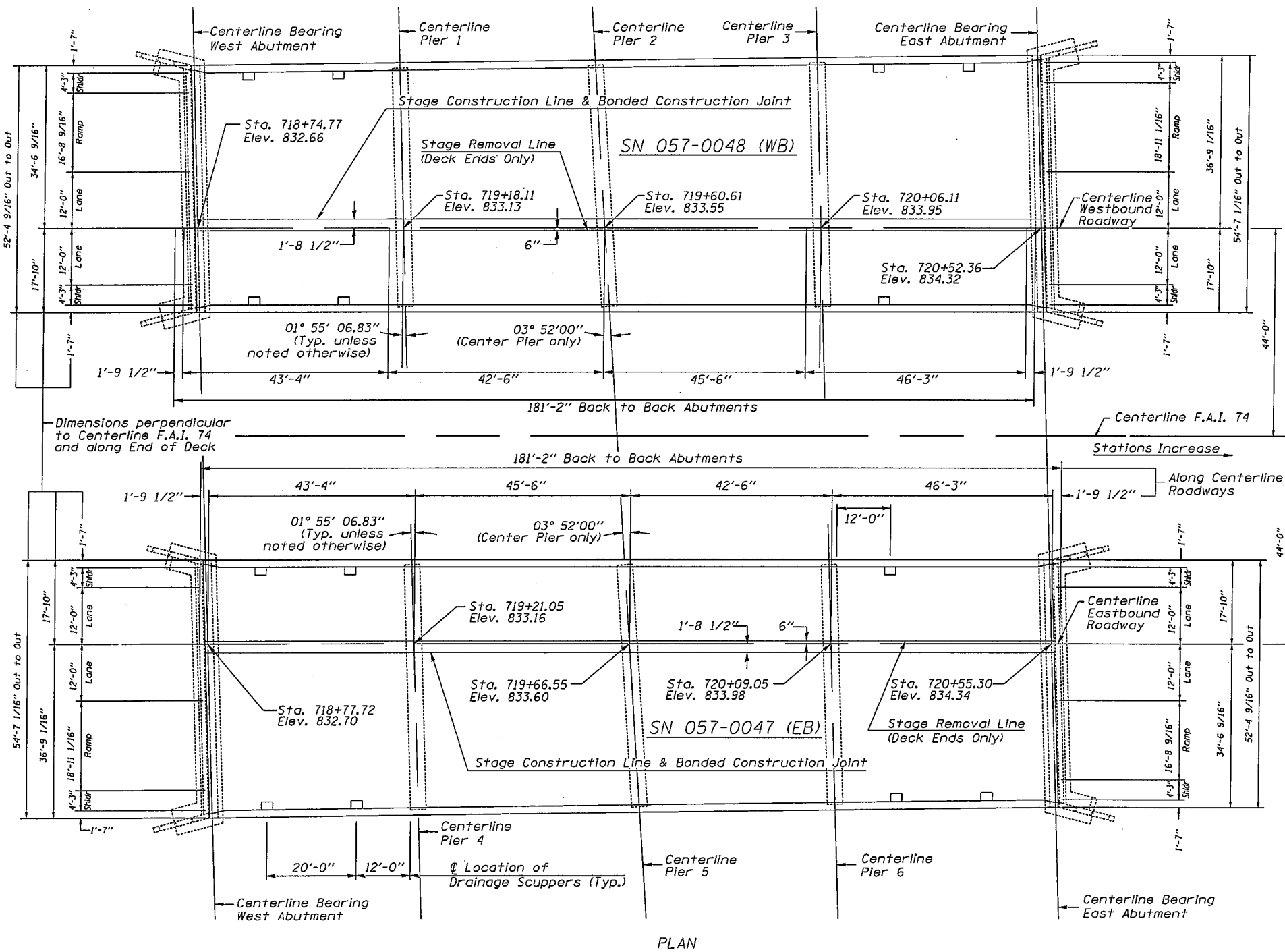
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surface in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods 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.

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



PLAN

FILE NAME =	USER NAME = #USER#	DESIGNED - GMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN - GMS	REVISED -		<b>S.N. 057-0047 &amp; S.N. 057-0048</b>		74	57-20(1)&57-4,5,6)R-3	MCLEAN	160	104
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE:	SHEET NO. 1A OF 11A SHEETS	STA.	TO STA.		CONTRACT NO. 70505	
	PLOT DATE = #DATE#	DATE -	REVISED -				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		