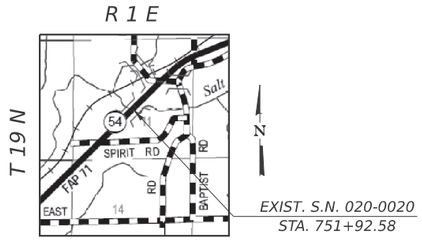
STRUCTURE 020-0020 WAS ORIGINALLY BUILT IN 1938 AS F.A. ROUTE 161, SECTION 12-B AT STATION 751+92.58 BY THE STATE OF ILLINOIS. THE STRUCTURE WAS RECONSTRUCTED IN 1984, SECTION 12BR, CONTRACT 35358. THE SUBSTUCTURE WAS RECONSTRUCTED TO ACCOMODATE A NEW WIDENED 40" WEB GIRDER WITH A R.C. DECK. THE STRUCTURE WAS REPAIRED IN 2018, SECTION 12BDR, CONTRACT 70B77. THE SILICONE JOINTS AND BEARINGS WERE REPLACED AT ABUTMNETS AND THE DECK WAS SCARIFIED AND A 2½" LATEX CONCRETE SURFACE WAS PLACED.

THE EXISTING STRUCTURE IS A FOUR SPAN STEEL ` GIRDER STRUCTURE WITH A BACK-TO-BACK ABUTMENT LENGTH OF 392'-11⅜". THE STRUCTURE MEASURES 32'-0" FROM FACE-TO-FACE OF PARAPET AND HAS AN OUT-TO-OUT WIDTH OF 35'-2". THE SUPERSTRUCTURE CONSISTS OF 5 40" WEB ` GIRDERS SUPPORTING A 7½" REINFORCED CONCRETE DECK ON PILE SUPPORTED R.C. SPILL THRU ABUTMENTS AND R.C. PIERS. THE SLOPES ARE PROTECTED WITH RIPRAP.

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION.



EXIST. S.N. 020-0020
STA. 751+92.58

LOCATION SKETCH

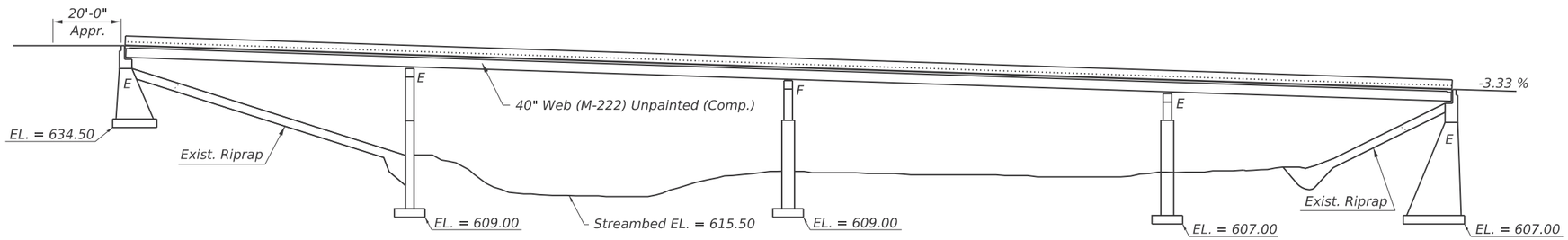
GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 BID FOR THE WORK.

~~* DUE TO THE EXISTING CONCRETE OVERLAY TYPE, TWO PASSES (⅛" MAX. REMOVAL) OF DIAMOND (BRIDGE SECTION) IS REQUIRED TO PROVIDE A CLEANER DECK SURFACE PRIOR TO SAND-BLASTING AS REQUIRED IN THE SPECIAL PROVISION.~~

SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

2

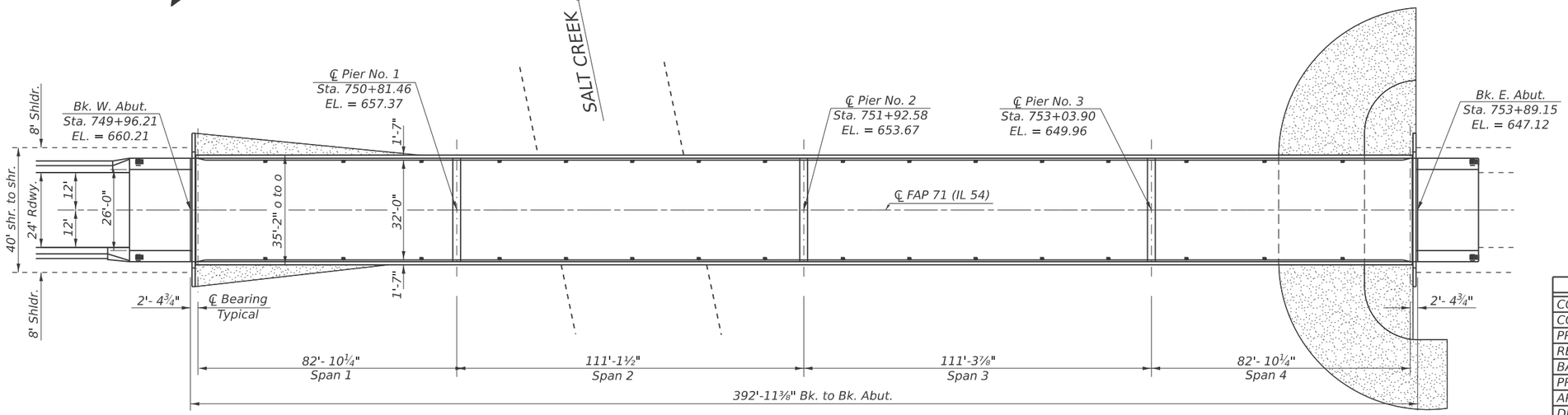


ELEVATION VIEW

* ELEVATIONS TAKEN FROM AS-BUILT PLANS AND ARE SHOWN FOR PERSPECTIVE ONLY.

PROPOSED WORK

1. Removal of Hatch Blocks and Deck Ends.
2. Perform Partial Depth Patching on Approaches & Bridge Decks.
3. Perform Structural Steel Repair.
4. Perform Structural Repair of Concrete 5"
5. Place Reinforcement Bars & Locking Edge Rails at Joints.
6. Pour Concrete Superstructure.
7. Insert Rubber Strip Seal into Locking Edge Rails.
8. Place High Friction Surface Treatment Crack Filling.
9. Place High Friction Surface for Bridge Deck Surfaces.



PLAN VIEW

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	10.2
CONCRETE SUPERSTRUCTURE	CU YD	10.2
PROTECTIVE COAT	SQ YD	25.0
REINFORCEMENT BARS EPOXY COATED	POUND	1,090.0
BAR SPLICERS	EACH	24.0
PREFORMED JOINT STRIP SEAL	FOOT	77.0
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	14.0
STRUCTURAL STEEL REPAIR	POUND	1,860.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH = TO OR < 5")	SQ FT	71.6
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	75.0
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACE	SQ YD	1,511.0

LICENSED STRUCTURAL ENGINEER
JAYME F. SCHIFF
081-005540
STATE OF ILLINOIS

EXPIRES 11-30-2026

Jayme F. Schiff

USER NAME = eric.shawler	DESIGNED -		REVISED -
	DRAWN - ESS		REVISED -
	CHECKED - TJB		REVISED -
PLOT DATE = 1/8/2025	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 020-0020

SCALE: | SHEET 1 OF 15 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	MBPM 2025-1	DEWITT	24	8
		CONTRACT NO. 70H50		
	ILLINOIS FED. AID PROJECT			

MODEL: Str. Plans 1 [Sheet]
FILE NAME: c:\pw_work\pwdot\shawleres\d1031465\D570H50_Sht-Str_Plans.dgn

2 REV. 4/16/25