PROJECT	DESIGNATION
1702940	1702940
CONTRACT	BRIDGE FILE
RS-40592	027-38-06182 C

DESIGNATION

1700811 (LEAD)

1800009

1700921

1702940

STRUCTURE INFORMATION					
STRUCTURE	E TYPE SPAN AND SKEW OVER STATION				
027-38-06182 C	Reinforced Concrete Through Arch Bridge	1 Clear Span: 110'-2" Skew: 0°	Salamonie River	53+58.62 Line "A"	

PROJECT DESCRIPTION

US 27 - HMA OVERLAY, PREVENTIVE MAINTENANCE

US 27 - BIKE/PEDESTRIAN FACILITIES

US 27 OVER LITTLE SALAMONIE RIVER - BRIDGE DECK OVERLAY

US 27 OVER SALAMONIE RIVER - BRIDGE THIN DECK OVERLAY

KIN PROJECT INFORMATION

## INDIANA DEPARTMENT OF TRANSPORTATION



# BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

ROUTE: US 27 AT: RP 64+45

PROJECT NO.

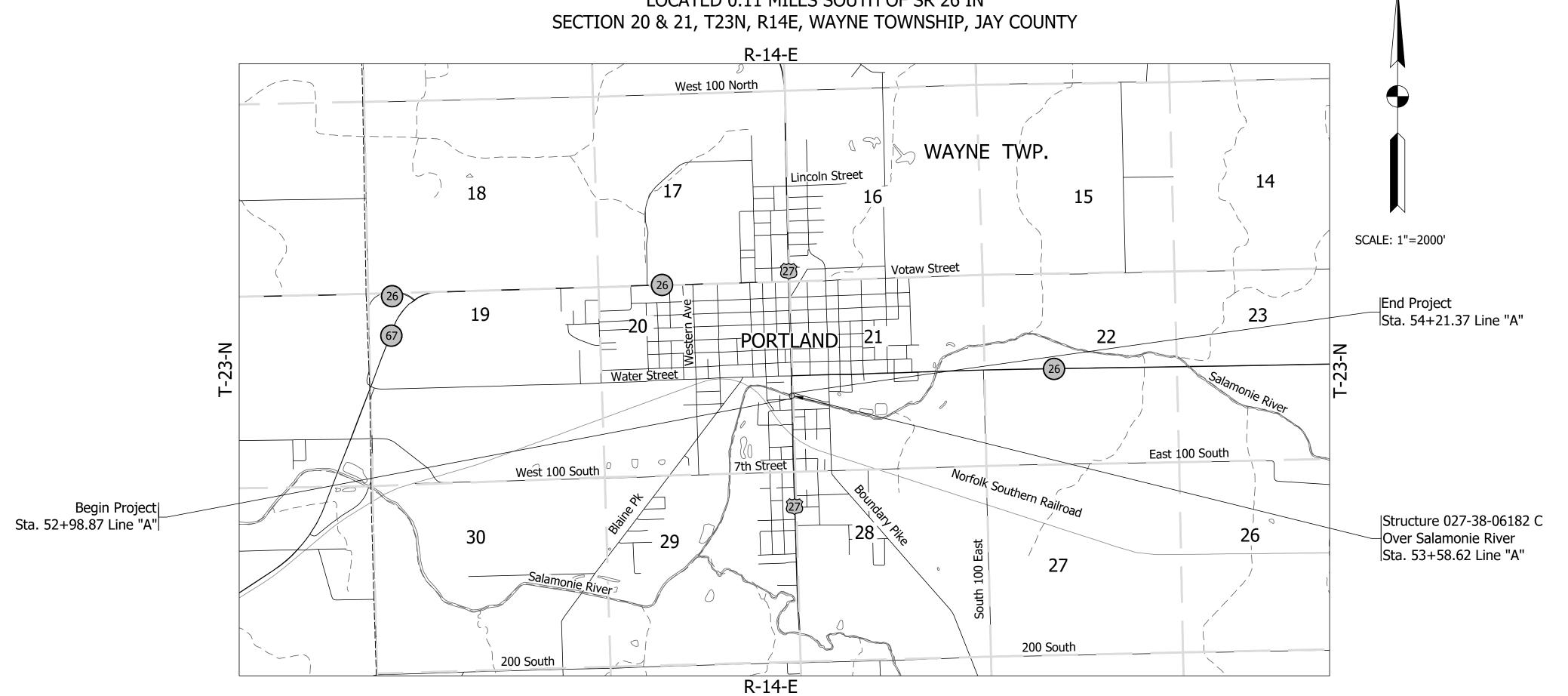
NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

1702940 P.E.

R/W

1702940 CONST.

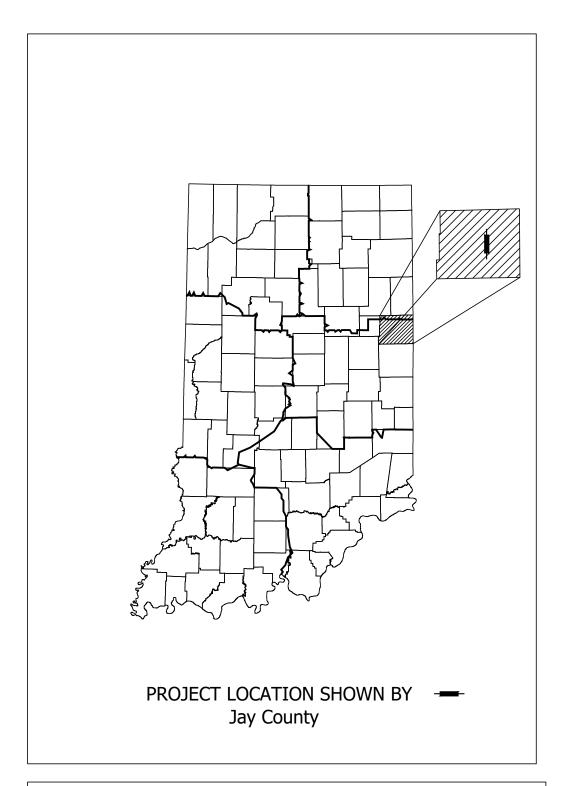
BRIDGE THIN DECK OVERLAY PREVENTATIVE MAINTENANCE ON US 27 OVER SALAMONIE RIVER LOCATED 0.11 MILES SOUTH OF SR 26 IN SECTION 20 & 21, T23N, R14E, WAYNE TOWNSHIP, JAY COUNTY R-14-E West 100 North



LOCATION MAP

TRAFFIC DATA 7,439 V.P.D. 8,839 V.P.D. (2041) 859 V.P.H. D.H.V 49% / 51% DIRECTIONAL DISTRIBUTION 9.7% A.A.D.T 8.8% D.H.V. **DESIGN DATA** DESIGN SPEED 30 M.P.H. PROJECT DESIGN CRITERIA 3R (NON-FREEWAY) FUNCTIONAL CLASSIFICATION PRINCIPAL ARTERIAL RURAL/URBAN

ACCESS CONTROL



I ATITLIDE:	40° 25' 51" N	I ONGITUDE:	84° 58' 40" W
	10 23 31 11	LONGITUDE.	01 30 10 44

BRIDGE LENGTH:	0.023	M:
ROADWAY LENGTH:	0.000	M
TOTAL LENGTH:	0.023	M
MAX. GRADE:	0.00	%

HUC 12: 051201020103 HUC 14: 05120102010030

> INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2020 TO BE USED WITH THESE PLANS

	BRIDGE FILE		
	027-38-06182 C		
	DESIGNATION		ION
	1702940		
SURVEY BOOK	SHEETS		
N/A	1 of 7		
CONTRACT	PROJECT		
RS-40592	027-38-06182 C		



PLANS PREPARED BY:	LOCHMUELLER GROUP	(574) 334-5460 PHONE NUMBER
CERTIFIED BY:	*THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.*	/ DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

### UTILITIES

AMERICAN ELECTRIC POWER

Jay Marlow (260) 408 - 3447

CENTURYLINK (CTLCL) Bruce Emerick (574) 926 - 1247 213 W Laporte St.

Plymouth, IN 46563 joseph.megyesi@sprint.com

COMCAST CABLE (FORT WAYNE)
John Gayday
(260) 458 - 5107
720 Taylor St. Ft. Wayne, IN 46802

John\_Gayday@cable.comcast.com

COMMUNITY FIBER SOLUTIONS, INC. No information available

OHIO VALLEY GAS CORP. (PORTLAND)
Greg Bailey
(765) 584 - 6842 x111
111 Energy Park Dr.
Winchester, IN 47394 gbailey@ovgc.com

CITY OF PORTLAND WASTEWATER
Brad Clayton
(260) 726 - 7696
1315 Shadeland Dr.
Portland, IN 47371 bclayton@thecityofportland.net

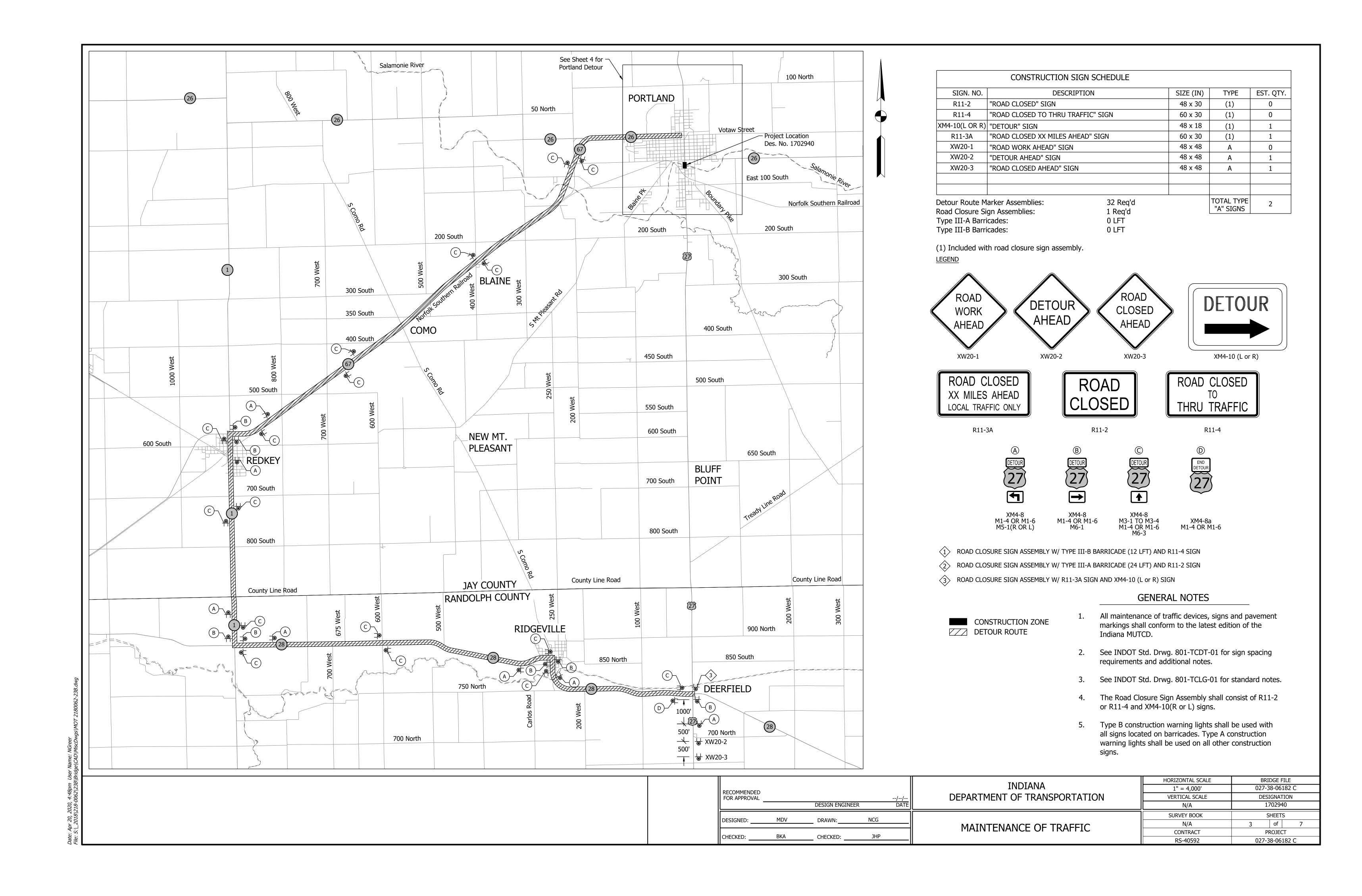
CITY OF PORTLAND Doug Jackson 321 N. Meridian Rd. Portland, IN 47371

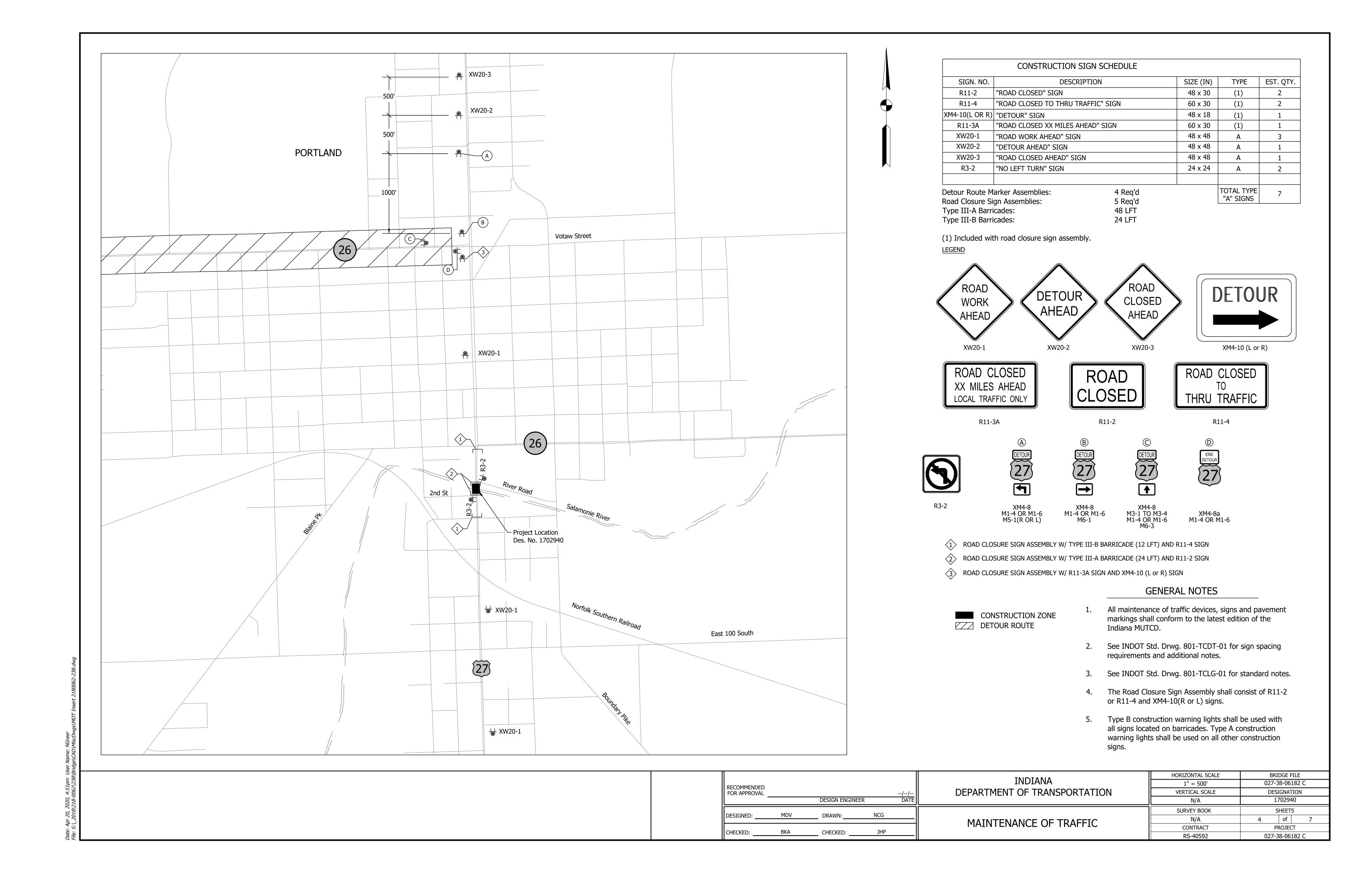


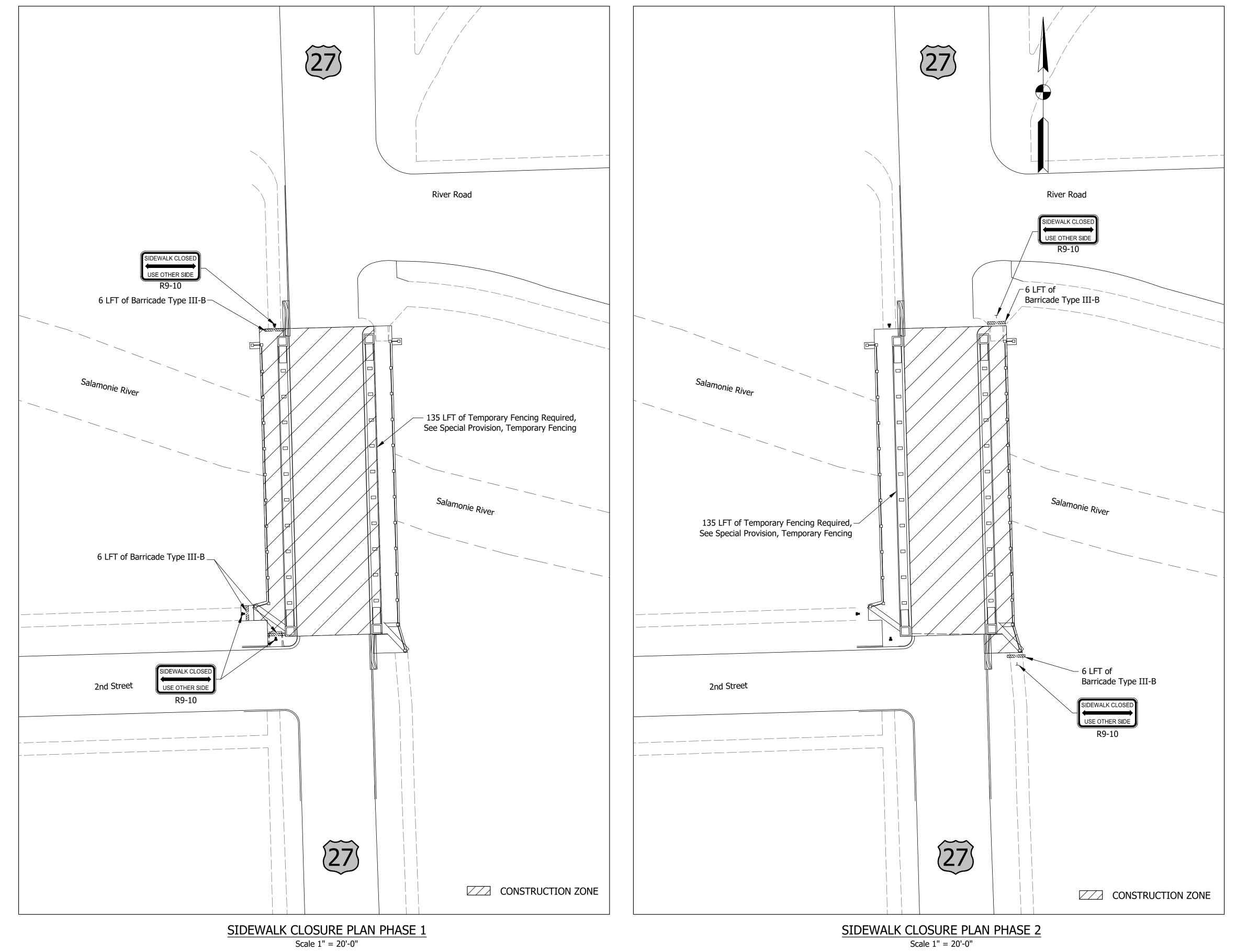
REVISIONS				
SHEET NO.	DATE	REVISED		

INDEX				
SHEET NO.	SUBJECT			
1	TITLE SHEET			
2	INDEX			
3-4	MAINTENANCE OF TRAFFIC			
5	SIDEWALK MAINTENANCE OF TRAFFIC			
6 - 7	GENERAL PLAN			

RECOMMENDED FOR APPROVAL		DESIGN ENGINE	// EER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE  N/A  VERTICAL SCALE  N/A	027	RIDGE FILE -38-06182 SIGNATION 1702940	С
DESIGNED:	JHP	DRAWN:	NCG	TNIDEV	SURVEY BOOK N/A	2	SHEETS	7
CHECKED:	KMS	CHECKED:	JHP	INDEX	CONTRACT RS-40592	-	PROJECT -38-06182	C







Quantities for Sidewalk Closure			
Construction Sign, B	3 Ea.		
Barricade Type III-B 18 Lft.			
Temporary Fencing 135 Lft.			

#### **GENERAL MOT NOTES**

1. Sidewalk construction shall only take place on one side of the road at a time. A route for pedestrian traffic shall be maintained at all times. See Special Provisions, Sidewalk Maintenanc of Traffic.

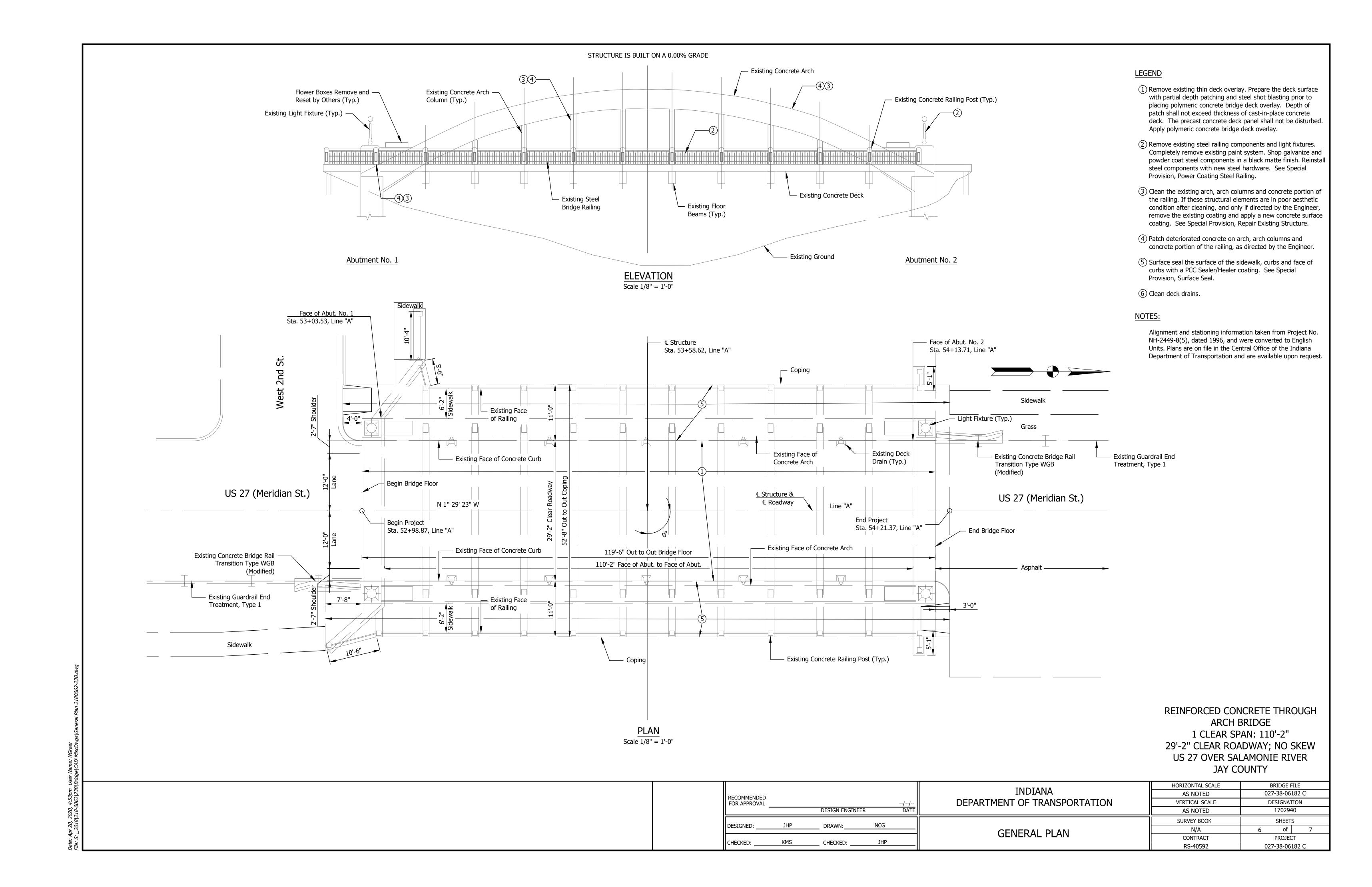
Scale 1" = 20'-0"

RECOMMENDED FOR APPROVAL		DESIGN ENGINEE	R	// DATE	
DESIGNED:	JHP	DRAWN:	NCG		
CHECKED:	KMS	CHECKED:	JHP		

TNICANIA	HORIZONTAL SCALE
INDIANA	1" = 20'
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE
	N/A
	SURVEY BOOK
SIDEWALK MAINTENANCE OF TRAFFIC	N/A
SIDEWALK MAINTENANCE OF TRAFFIC	CONTRACT
	RS-40592

BRIDGE FILE 027-38-06182 C DESIGNATION 1702940 SHEETS 5 of 7 PROJECT

027-38-06182 C





The existing structure is a single span through arch bridge built in 1914 and reconstructed in 1997 with a 110'-2" clear span and 29'-2" clear roadway. Plans for the existing structure are on file at the Indiana Department of Transportation as Bridge File 027-38-06182 A and B, and are available upon request.

#### **DESIGN DATA**

Live Load: Originally designed for HS 20-44 loading in accordance with 1995 AASHTO Specifications.

Dead Load: Originally designed for actual weight plus 35

lbs/sft for future wearing surface.

#### **GENERAL NOTES**

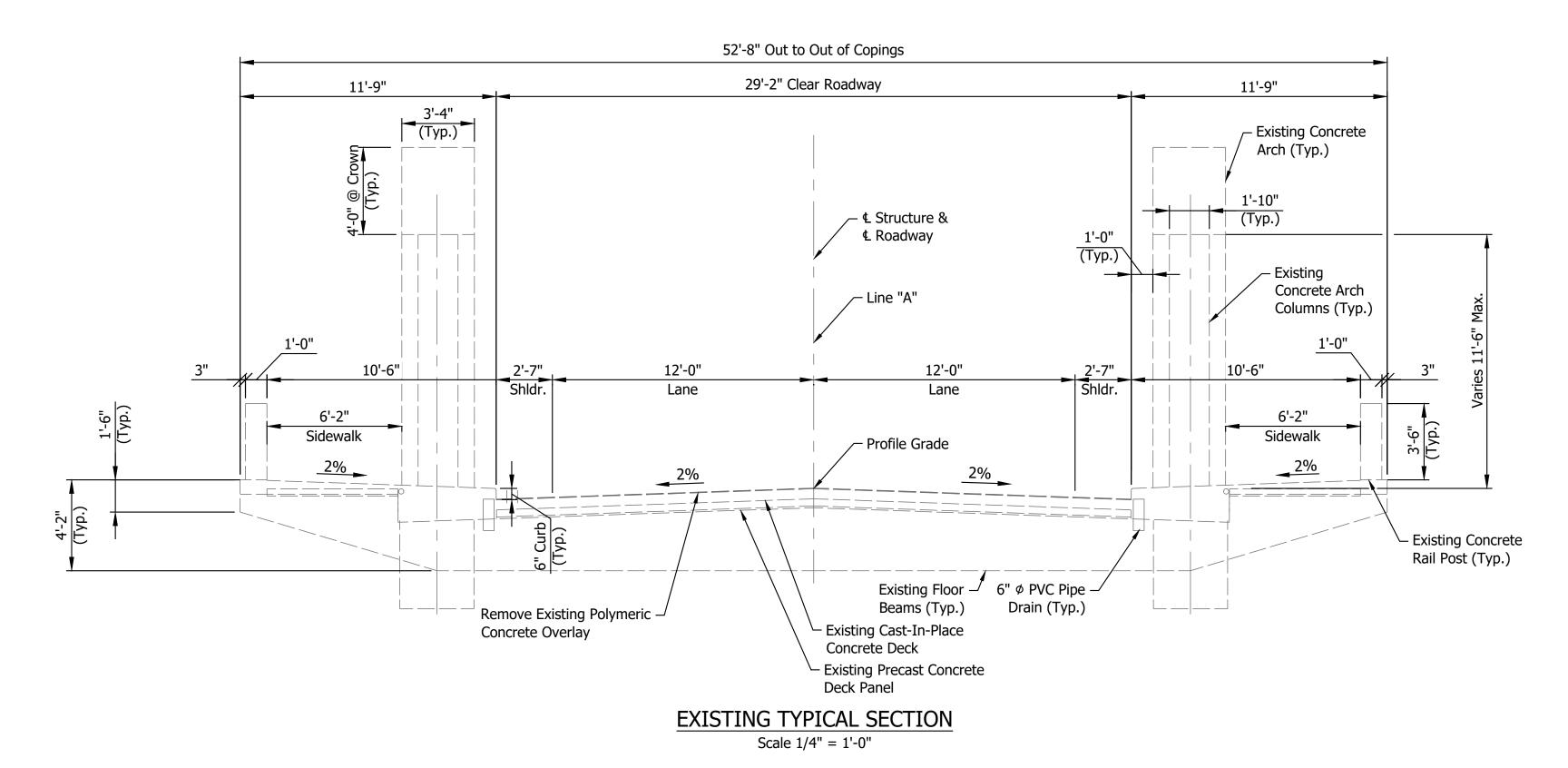
Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field, report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new part to the old.

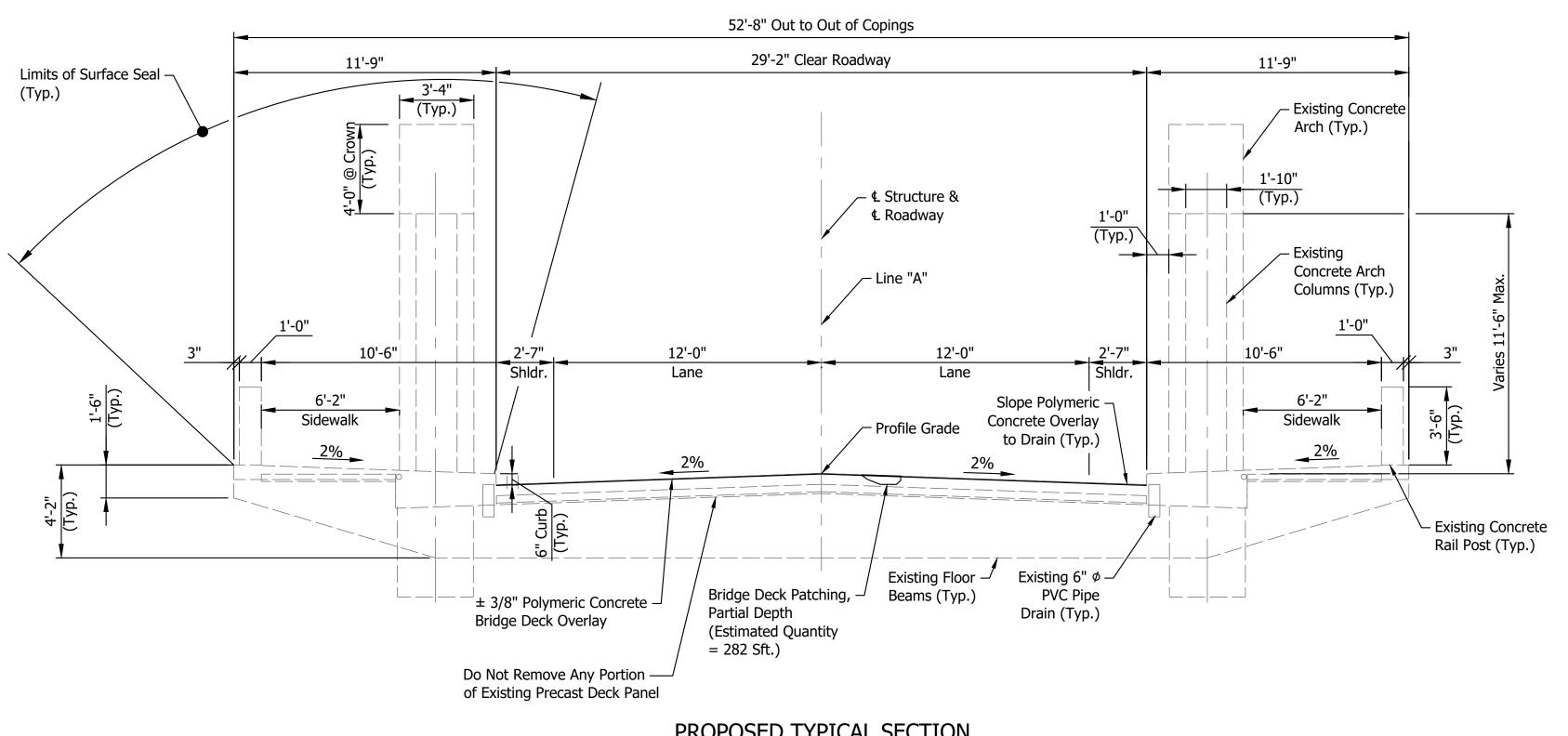
#### **MATERIALS**

Surface Seal to be PCC Sealer/Healer per Special Provision, Surface Seal.

Polymeric Concrete Bridge Deck Overlay (3/8" thickness) shall be applied to the areas shown on the plans.

Patching Concrete Structures shall be microsilica concrete mix per Special Provision, Patching Concrete Structures.





PROPOSED TYPICAL SECTION

Scale 1/4" = 1'-0"

REINFORCED CONCRETE THROUGH
ARCH BRIDGE
1 CLEAR SPAN: 110'-2"
29'-2" CLEAR ROADWAY; NO SKEW
US 27 OVER SALAMONIE RIVER
JAY COUNTY

	RECOMMENDED FOR APPROVAL	/			INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE  AS NOTED  VERTICAL SCALE	BRIDGE FILE 027-38-06182 C DESIGNATION
			DESIGN ENGINEER DATE			AS NOTED	1702940
	DESIGNED:	JHP	DRAWN:	NCG	GENERAL PLAN	SURVEY BOOK	SHEETS
						N/A	7 of 7
	CHECKED:	KMS	CLIECKED.	ЈНР		CONTRACT	PROJECT
			CHECKED:			RS-40592	027-38-06182 C