01-19-2018 LETTING ITEM 008

# STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

# **PROPOSED HIGHWAY PLANS**

**VARIOUS ROUTES VARIOUS LOCATIONS SECTION: 2017-047 BP** PROJECT: STP-NHPP-5U6N (186) **BRIDGE PAINTING COOK & DUPAGE COUNTIES** C-91-050-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE VILLAGES OF ELMHURST, WOOD DALE, OAKBROOK, WESTCHESTER, AND LAGRANGE PARK.

### TRAFFIC DATA:

IL-38 AT SALT CREEK 2016 ADT = 49,500SPEED = 55MPH

CN RR AT US 12,20,45 2015 ADT = 38.700 SPEED = 30MPH

31st ST AT SALT CREEK 2014 ADT = 20,000SPEED = 45MPH

**LOCATION 5** 

SN 022-0149 EMROY AVE. AT I-290

TRAFFIC DATA: I-290 (EISENHOWER) 2016 ADT = 153.100 SPEED = 55MPH

IL-19 AT SALT CREEK 2016 ADT = 18,500 SPEED = 30MPH

J.U.L.J.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

R 11 E | R 12 E

ADDISON, ELMHURST, HINSDALE, AND YORK TOWNSHIPS

**LOCATION 4** SN 022-0147 IL 19 AT SALT CREEK

LOCATION 3 SN 022-0026 IL 38 AT SALT CREEK LOCATION 2 SN 016-2024

CN RR AT US 12,20,45 **LOCATION 1** SN 016-0868 31st ST AT SALT CREEK

D-91-206-18 LOCATION OF SECTION INDICATED THUS: -

2017+0478P

STATE OF ILLINOIS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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CONTRACT NO. 62F79

### INDEX OF SHEETS

- TITLE SHEET
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- 3. SUMMARY OF QUANTITIES
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- 13-15. LOCATION 3 (SN 022-0026)
- 16-20. LOCATION 4 (SN 022-0147)
- 21-23. LOCATION 5 (SN 022-0149)
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- 25. TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE LANE AND MULTI-LANE WEAVE (TC-09)
- 26. TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
- 27. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
- 28. TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY

URBAN LANE CLOSURE, MULTILANE INTERSECTION

SIDEWALK, CORNER OR CROSSWALK CLOSURE

TRAFFIC CONTROL DEVICES

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

29. ARTERIAL ROAD INFORMATION SIGN (TC-22)

### **GENERAL NOTES**

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGES OF ELMHURST, WOOD DALE, OAKBROOK, WESTCHESTER, AND LAGRANGE PARK,
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND PRESERVE THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE DIMENSIONS & CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION & ORDERING OF MATERIALS.
- 6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.
- 8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 FOR ARTERIALS AND (847) 705-4151 FOR EXPRESSWAYS A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 9. TREE CLEARING FOR PAINTING ACCESS SHALL BE DONE ACCORDING TO ARTICLE 201.10
- 10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 11. THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS.
- 12. 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 BASED AT THE UNIT PRICE BID FOR THE WORK.
- 13. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 14. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT (847-705-4151 OR 4155) OR <a href="https://www.idotlcs.com">www.idotlcs.com</a> at least (24) Hours in advance of all daily lane, and ramp and shoulder closures.

### **GENERAL NOTES FOR PAINT**

- CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 2. THE AREAS DESIGNATED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE AREAS DESIGNATED SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.
- A MINIMUM OF TWO (2) AIR MONITORS AT EACH LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES."
- 4. ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.
- 5. LOCATION 2 (SN 016-2024): AREAS TO BE PAINTED AS SHOWN ON THE PLANS (SUCH AS WEB, TOP AND BOTTOM FLANGES, STIFFENERS, KNEE BRACES...) INCLUDING BEARINGS AND INTERIOR AND END FLOOR BEAMS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANCE OF THE GIRDERS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.
- 6. LOCATION 1 ( SN 016-0868), 3 (SN 022-0026), 4 (SN 022-0147), AND 5 (SN 022-0149);
  ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN 5 FEET (MEASURED ALONG THE
  BEAM) OF EITHER SIDE OF ALL DECK JOINTS, SHALL BE CLEANED PER NEAR WHITE BLAST
  CLEANING SSPC-SPIO. THE EXTERIOR SURFACES AND TOP AND BOTTOM OF THE BOTTOM FLANGE
  OF THE FASCIA BEAMS (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING
  SSPC-SPIO. IN ADDITION, AT LOCATION 4 (SN 022-0147) INTERIOR SURFACES AND TOP AND
  BOTTOM FLANGE OF THE BEAMS (SEE FIGURE 2) ALONG THE LONGITUDINAL JOINT SHALL BE
  CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SPIO; FINAL FINISH COAT OF INTERIOR
  SURFACE AT LOCATION 4 SHALL BE REDDISH BROWN, MUNSELL NO 2,5YR 3/4.

### STATE STANDARDS

701428-01

701601-09

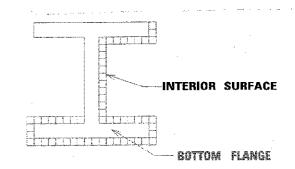
701602-09

701701-10 701801-06

701901-07

### STANDARD NO. DESCRIPTION OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY 701106-02 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY 701400-09 701401-11 LANE CLOSURE, FREEWAY/EXPRESSWAY LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS $\geqslant$ 45 MPH EXTERIOR SURFACE 701411-09 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH 701421-08 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\boldsymbol{\zeta}$ 40MPH 701427-05 BOTTOM FLANGE 701446-09 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY

FASCIA BEAM PAINTING DETAIL
FIGURE 1



FASCIA BEAM PAINTING DETAIL
FIGURE 2

SURFACE TO BE CLEANED AND PAINTED

FILE NAME =	USER NAME = seintvilch	DESIGNED -	REVISED -		INDEX OF SHEETS, STATE STANDARDS,	F.A. SECT	ION	COUNTY	TOTAL	SHEET
pw:\\ILØ84EBIDINTEG.;}}lno:s-gov:PWIDOT\Da	numents/IDOT Offices/District 1/Projects/D120	AGRAMMata\Design\Di2%618-sht-plan.dgn	REVISED -	STATE OF ILLINOIS		VAR. 2017-C	0478P	соок	29	2
	PLDT SCALE = 100.0000 ' / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND GENERAL PAINT NOTES	77.114	1	CONTRACT	NO. 6	2F 79
Default	PLOT DATE = 11/29/2017	DATE -	REVISED -	•	SCALE: SHEET OF SHEETS STA. TO STA.	1	ILLINOIS FED. AID			

wasan erban CONSTRUCTION TYPE CODE CONSTRUCTION TYPE CODE SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES 0047 BRIDGE 1 016-0868 0047 BRIDGE 2 016-2024 0047 BRIDGE 4 022-0147 00147 BRIDGE 1 016-0868 DOYT BRIDGE 0047 BRIDGE TOTAL TOTAL 5 022-0149 QUANTITIES 022-0026 ITEM UNIT CODE NO CODE NO ITEM QUANTITIES 022-0026 022-0147 022-0149 UNIT 016-2024 80% STP 80% NHPP 80% NHPP 80% STP 80% STP 20% STATE 20% STATE 20% STATE 20% STATE 20% STATE 80% STP 80% NHPP 80% NHPP 80% STP 80% STP 20% STATE 20% STATE 20% STATE 20% STATE 20% STATE 67000400 ENGINEER'S FIELD OFFICE. TYPE A CAL MO 2 2 10 2 2 2 Z0010501 CLEANING AND PAINTING STEEL BRIDGE NO. LSUM 67100100 MOBILIZATION LSUM 1 0.2 0.2 0.2 0.2 0.2 Z0010502 CLEANING AND PAINTING STEEL BRIDGE NO. LSUM 70100310 TRAFFIC CONTROL AND PROTECTION. LSUM 1 0.5 0.5 2 STANDARD 701421 20010503 CLEANING AND PAINTING STEEL BRIDGE NO. LSUM 70102630 TRAFFIC CONTROL AND PROTECTION. LSUM 0.5 0.5 3 STANDARD 701601 Z0010504 CLEANING AND PAINTING STEEL BRIDGE NO. LSUM 70102632 TRAFFIC CONTROL AND PROTECTION. LSUM 0.5 0.5 STANDARD 701602 Z0010505 CLEANING AND PAINTING STEEL BRIDGE NO. LSUM 1 70102635 TRAFFIC CONTROL AND PROTECTION, LSUM STANDARD 701701 Z0030850 TEMPORARY INFORMATION SIGNING SQ FT 102.8 25. 7 25.7 25.7 25.7 70102640 TRAFFIC CONTROL AND PROTECTION. LSUM 0.25 0. 25 0.25 0.25 STANDARD 701801 Z0048665 RAILROAD PROTECTIVE LIABILITY INSURANCE LSUM 70200100 NIGHTTIME WORK ZONE LIGHTING LSUM 0.2 0.2 0.2 0.2 0.2 500 500 HOUR @ 20076600 TRAINEES X7011015 TRAFFIC CONTROL AND PROTECTION LSUM 1 500 0 20076604 TRAINEES - TRAINING PROGRAM GRADUATE HOUR 500 (EXPRESSWAYS) 0.34 Z0007112 CONTAINMENT AND DISPOSAL OF LEAD PAINT LSUM 0.33 ०.५३ CLEANING RESIDUES 0.5 Z0007114 LSUM CONTAINMENT AND DISPOSAL OF NON-LEAD 0.5 PAINT CLEANING RESIDUES Ø 0042 DESIGNED -REVISED FILE NAME = USER NAME = saintylich SECTION STATE OF ILLINOIS Of Floes\District NPro Tects\Di206i8\CADOcto\Design\D REVISED 2017-025BP COOK 29 3 **SUMMARY OF QUANTITIES** PLOT SCALE = 100,0000 1/ In. CHECKED -REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62F79 SHEET NO. OF SHEETS STA. PLOT DATE = 10/19/2017 DATE REVISED SCALE: TO STA. FED. ROAD DIST, NO. 1 ILLINOIS FED. AID PROJECT

### FOR INFORMATION ONLY RTE SECTION COUNTY SHEETS SHEET Prop. Steel Plate Beam Guard Rail, Type A Prop Comb Conc Curb & Gulter Type B-624 (Modified) 1467 1288 BR (82) COOK 25 5 STA. 44+50.00 TO STA. 50+00.00 Prop. Traffic Barrier Prop. Comb. Conc. Curb & Gutter FHWA. REG. ILLINOIS FED. AID PROJECT Terminal, Type 1 Type B-6.24 (Modified) -9ta. 44 +94, 24' Left Catch Basin, \_24° Sanitary Sewer -Prop. Comb. Conc. Curb & Gutter Type B-6.12 (Special) Project and-Type A, 4'Dia; Type B-18 Frame & Brate; 5 L.F. 10"Storm Sewer, Type I Begins Sta. 44+50.00 - Existing R.O.W. - Exist. R.O.W Sta. 48+93, 24' Left Catch Basin. Meet Exist C&G(Typ.) Type A, 4 Dia Jype B-18 Frame & Grata, 5LF 10" Storm Xwar, Type | 48+99 Exist. 30"S.S. Prop. Traffic Barrier Exist 48 \$ 55 Terminal, Type 7 72'-0" -30' Bit Taper With Butt Joint -O-> S Someut 7" 45"00"003 Bridge Approach Passement (Stal 2362-1) -C.B. Removal C.B. Removal & Bituminous Concrete Bituminous Concrete Abutment 47+00 Surface Removal 5+00 Surface Removal Removal 44+00 E of Bridge & FA.U. Sawcut7" Sta. 46+11.27 Sawcut 7"-- Prop. Conc. Median, Type64 Clean Out Exist Project and 10 \$ Storm Som Curb & Gutter Removal Bridge Approach Povement (5td. 2382-1) Improvement 50' Taper Gutter Pan 20'-0" From 2-0" to 1-0" (Both Side) (3ist Street) Ends 5ta 50+00 C.B. Ramoval ===== ----- 5ta 48+93,24 Right Catch Basin, 72'-0" Type A. 4' Dia, Type B-18 Frame & Grate: 5LF. 10" Storm Sewer, Type 30'Bit. Taper with 2'-0" to 1'-0" (Both Sides) Prop. Traffic Barrier Meet Exist C&G (Typ) Terminal, Type 1-Prop. Comb Conc. Curb & Gutter Type 8-6-24 (Modified) Prop. Steel Plate Guard Rail, Type A-Prop Comb Conc Curb & Gutter Type 8-624 - Existing R.O.W. - Existing R.O.W. (Modified) Meet Exist C&G (Typ) Prop. Traffic Barrier Terminal, Type 7 – Sta. 44+94, 24' Right Catch Basin, Type A, 4' Dia. ; Type B-18 Frame \$ Grate ; 5 L.F. 10" Storm Sewer, Type 1. - Prop. Comb Conc Curb & Gutter Type B-6/2 (Special) PLAN Scale : Horizontal : i = 20-0" Vertical: 1": 2-0" PROPOSED PROFILE 642 642 640 140 V.C. 100 V.C. -0.26% + 0.97% 638 638 280 V.C. +0.40% 636 LIMITS OF BRIDGE 50+00 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE REHABILITATION OF 31st STREET OVER SALT CREEK FALL RTE. 1467 COOK COUNTY SEC. NO. 1288 BR (82) GLOBETROTTERS drawn by 389° scale 455 \$5 town 5 -1 - 84 5 22 38 189 44+00 45+CO 46+00 47+00 48+00 49+00 JSER NAME = saintvilch DESIGNED -REVISED SECTION COUNTY LOCATION 1 (SN 016-0868)

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

VAR

TO STA.

PLAN AND PROFILE ELEVATION

SHEET 1 OF 3 SHEETS STA.

SCALE:

2017-047BP

VARIOUS 29 4

CONTRACT NO. 62F79

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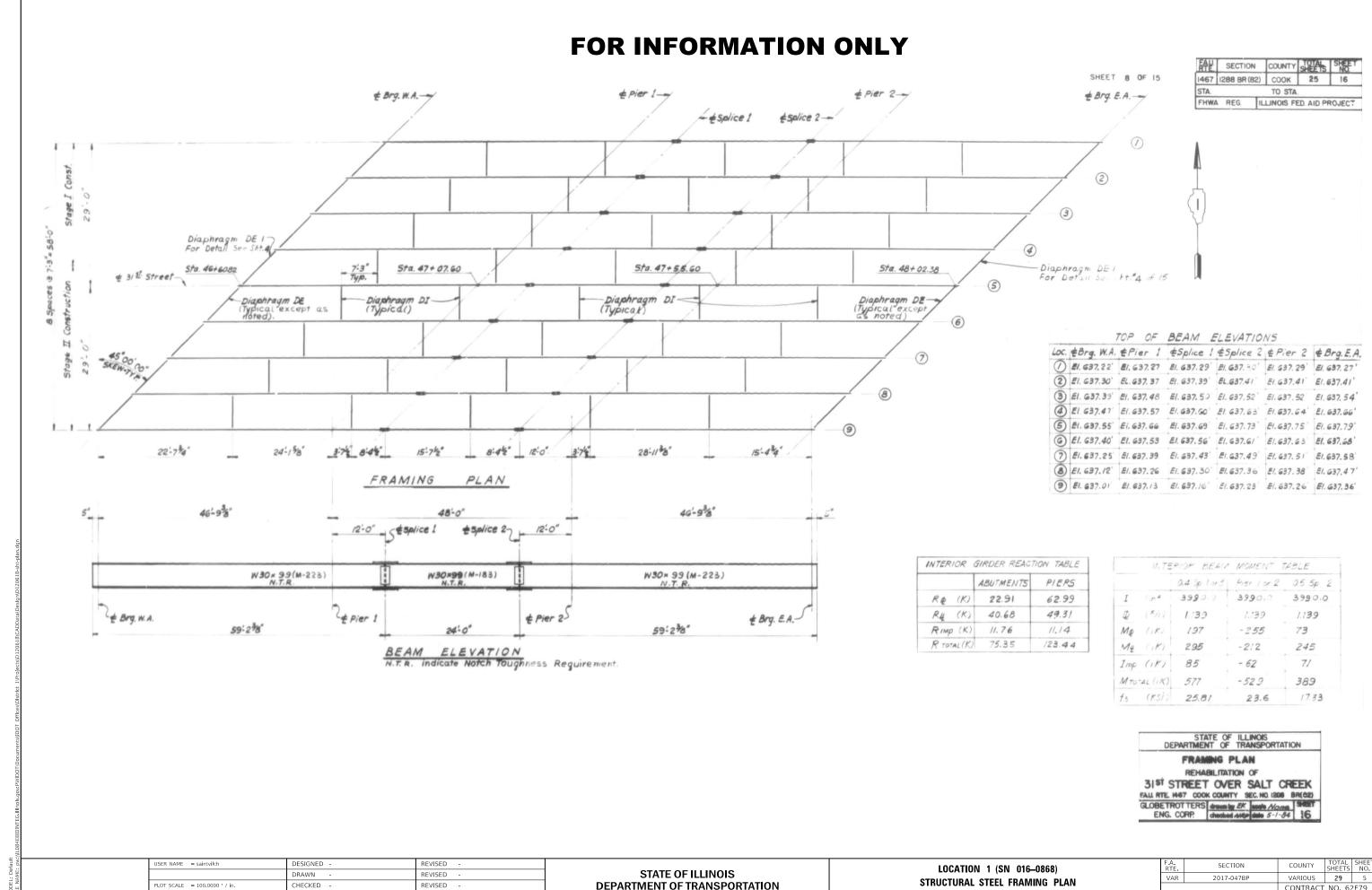
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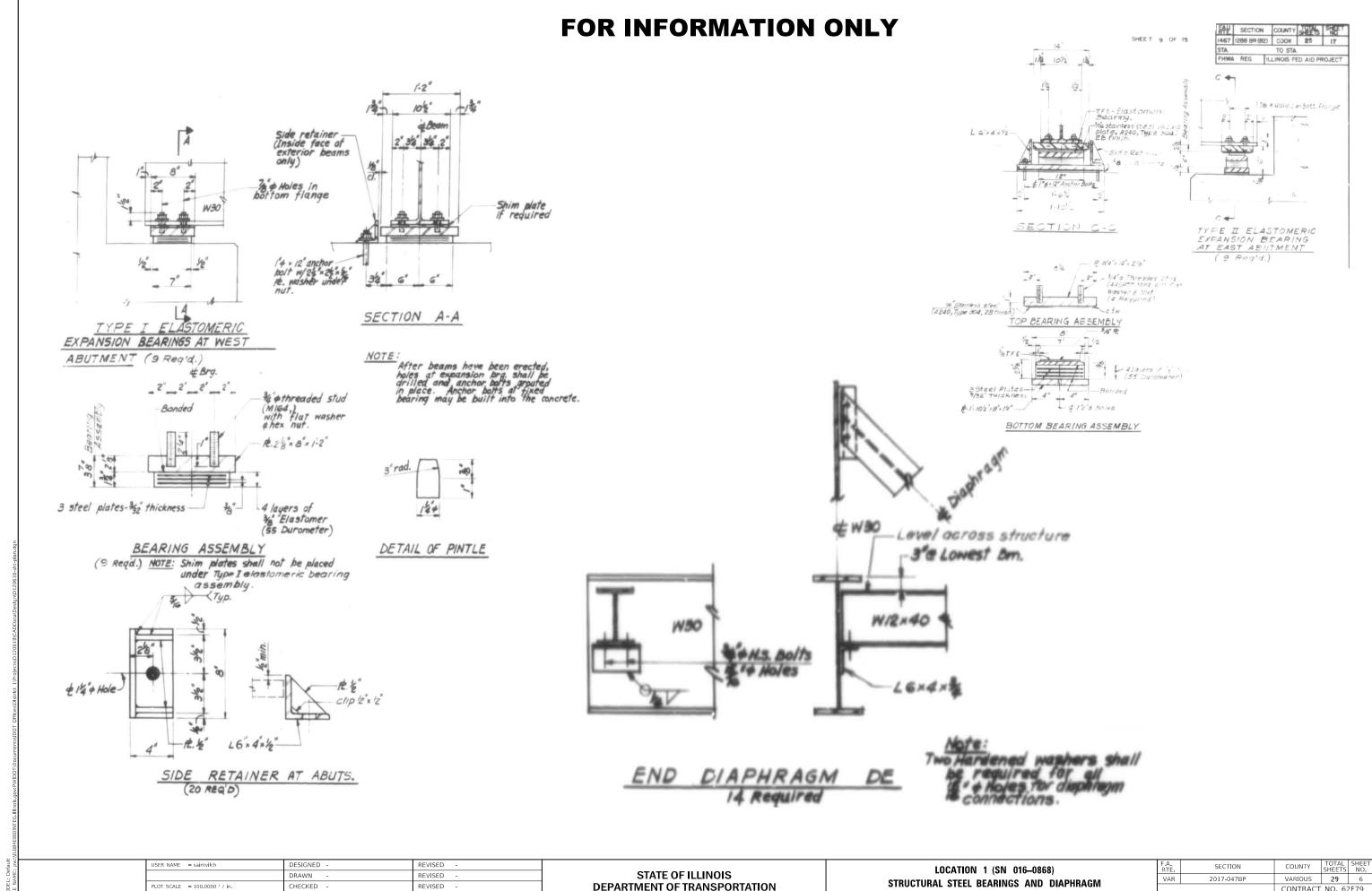


CONTRACT NO. 62F79

SHEET 2 OF 3 SHEETS STA.

PLOT DATE = 10/19/2017

DATE



PLOT DATE = 10/19/2017

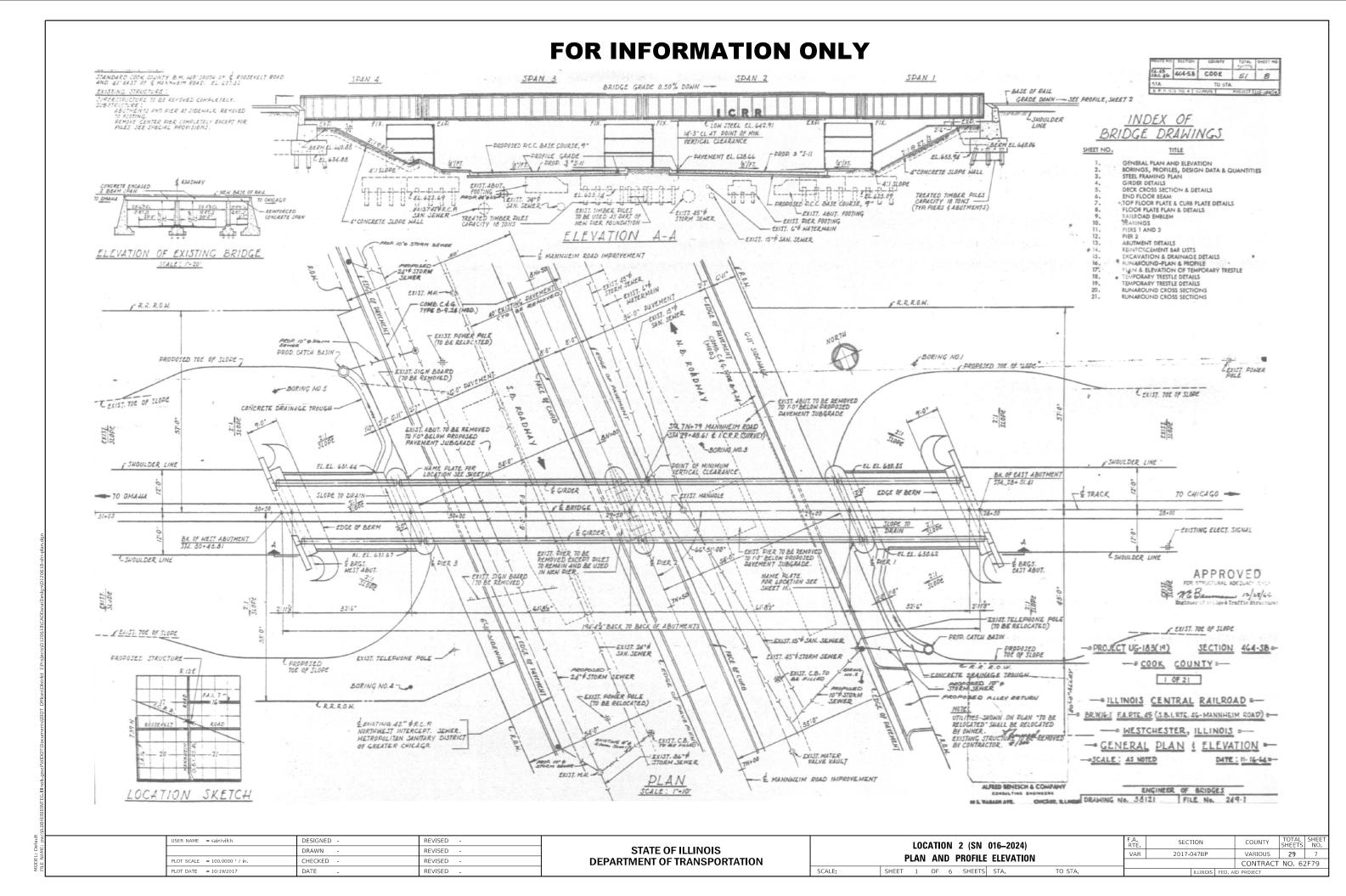
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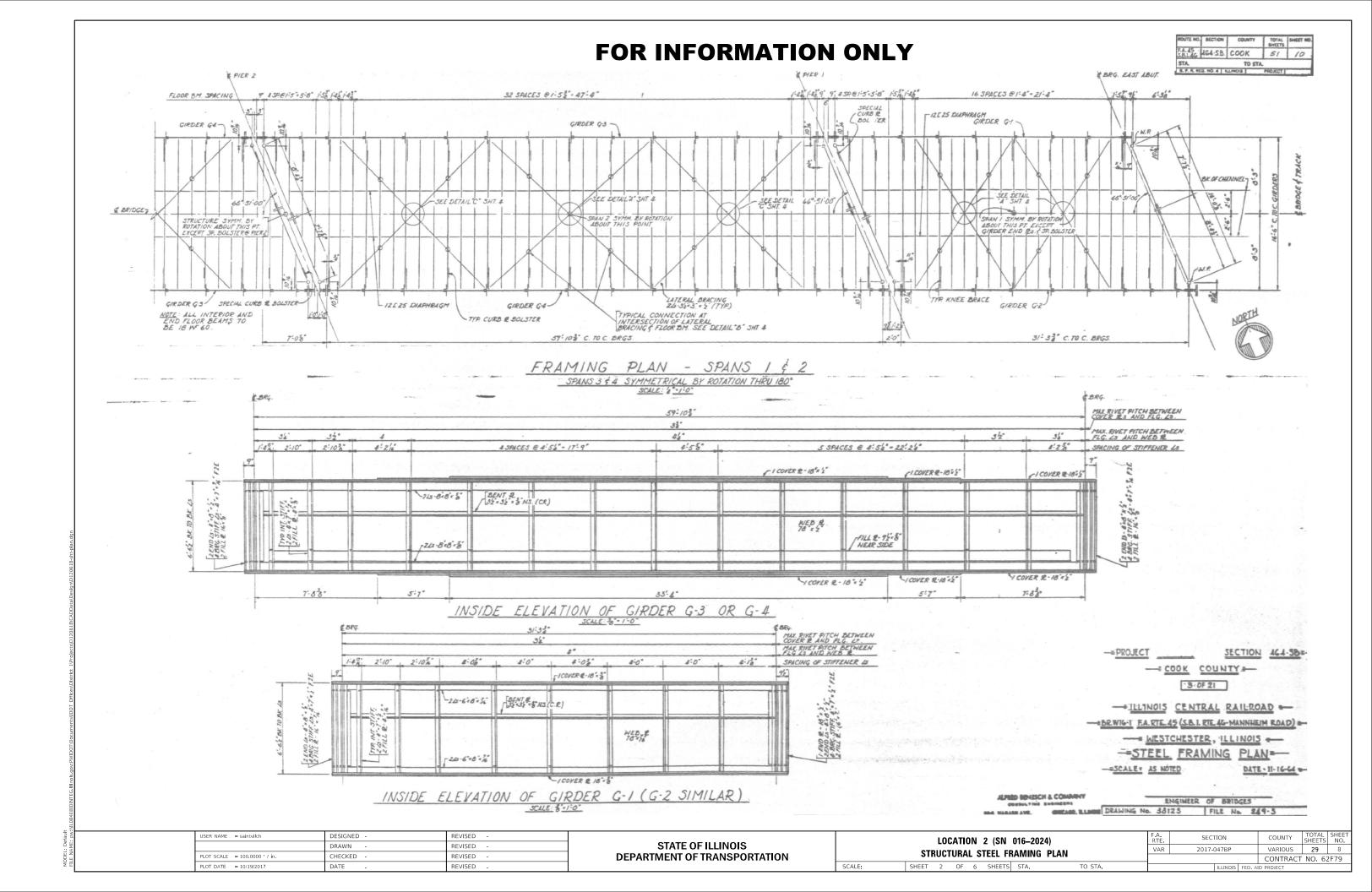
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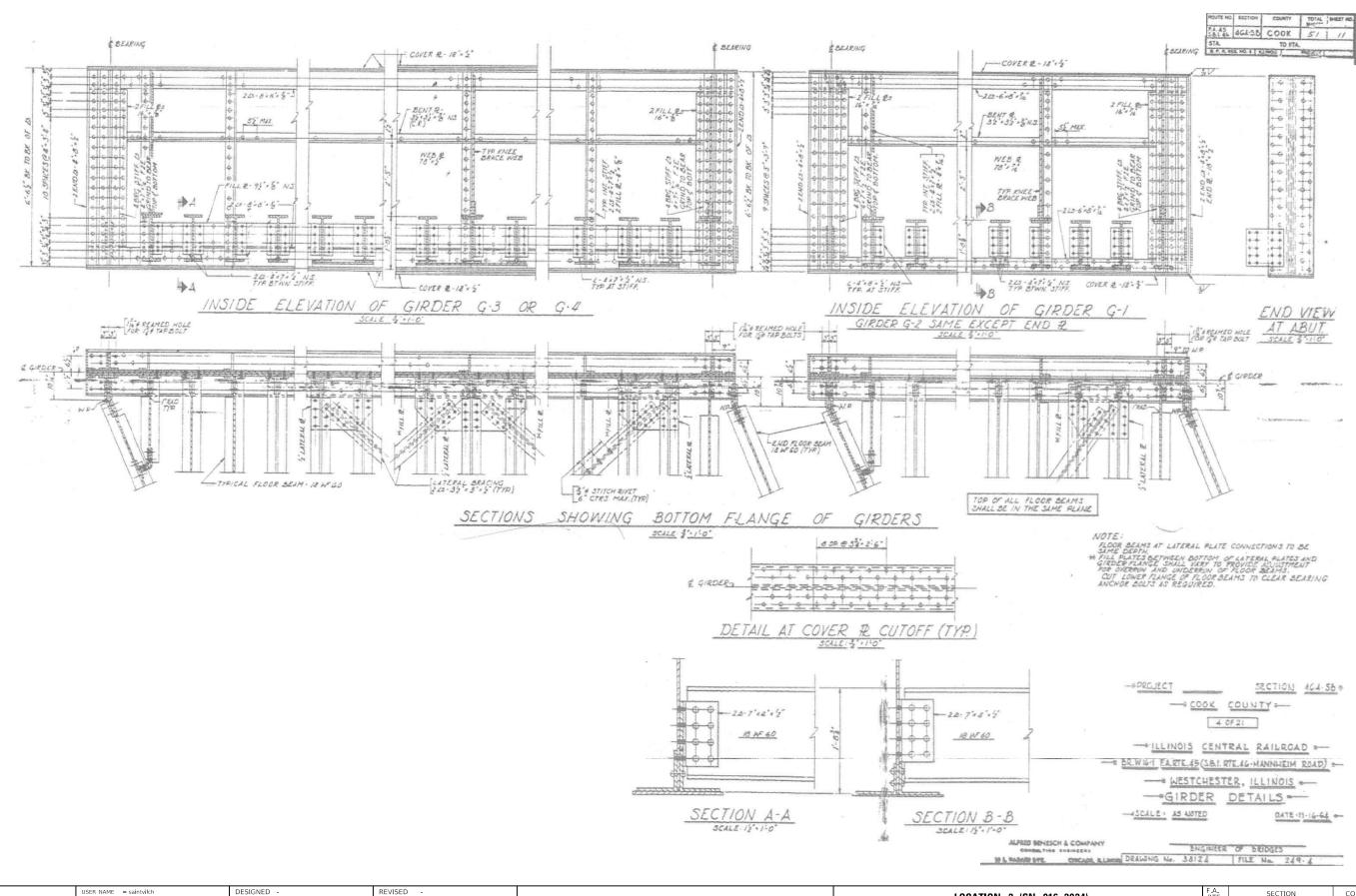
**DEPARTMENT OF TRANSPORTATION** 

STRUCTURAL STEEL BEARINGS AND DIAPHRAGM SHEET 3 OF 3 SHEETS STA.

CONTRACT NO. 62F79







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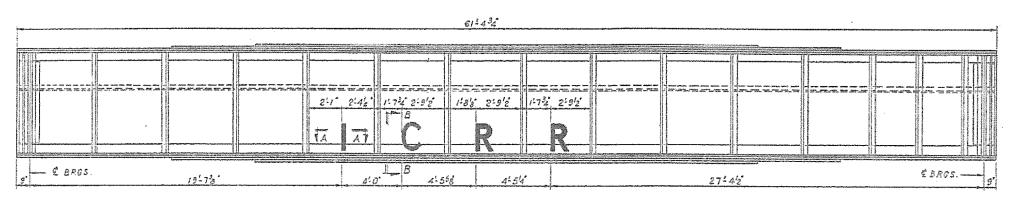
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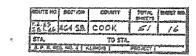
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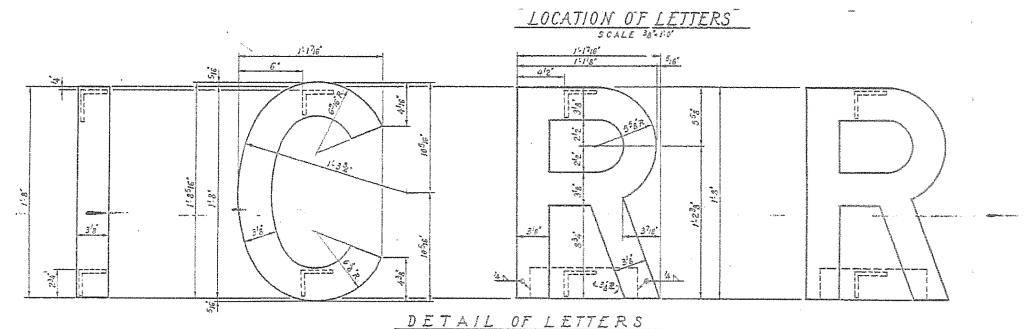
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION LOCATION 2 (SN 016-2024)
GIRDER DETAILS

SHEET 3 OF 6 SHEETS STA.







ONE SET REGID FOR GIRDER G-4 OVER S.B. RDWY. & GIRDER G-4 OVER M.B. RDWY.

SCALE 3'=1'-0'

2-M\*HIGH STRENGTH BOLTS

1-R 4'x35'

1-R 4'x35'

2-M\*HIGH STRENGTH BOLTS

4-M\*HIGH STRENGTH BOLTS

SECTION B B

66"-51":00" — £ GIRDER

1"L 3X3X-3

SECTION A-A

I.C.R.R.
BUILT 196 BY
STATE OF ILLINOIS
S.B.I.RT.46 SEC.464-SB
F.A.PROJ.UG-183(19) STA.7N+79
LOADING COOPER E 72

REFER TO NAME PLATE STANDARD 2113-1. FOR LOCATION OF NAME PLATE ON MIERS 143 SEE SHEETS 1411

LETTERING FOR NAMEPLATE

HOTE:

LETTERS TO BE OUT FROM JE STRUCTURAL STEEL PLATES.

LETTERS MAY BE FLAME OUT BUT EDGES MUJIBETRUE, SMOOTH
AND EVEN.

PAINT ONE SHOP COAT SAME AS STRUCTURAL STEEL AND
TWO FIELD COATS OF BLACK ENAMEL.

SECTION 464.58.

-- ILLINGIS CENTRAL PAILROAD :-

- BEWIGT KARTELIS (LEV. RTE 46-MANNHEIM ROAD) &

-- WESTCHESTER, ILLINOIS --

-- = \$CALE | 43 MITED

DATE: 11:14.64 a.

APRES BENESCH & COMPANY CONTACTOR CONTACTOR	engineer of bridges
	Charles to Still The In 2/4-4

- 1	USER NAME = Sallitylicii	DESIGNED -	KENISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/19/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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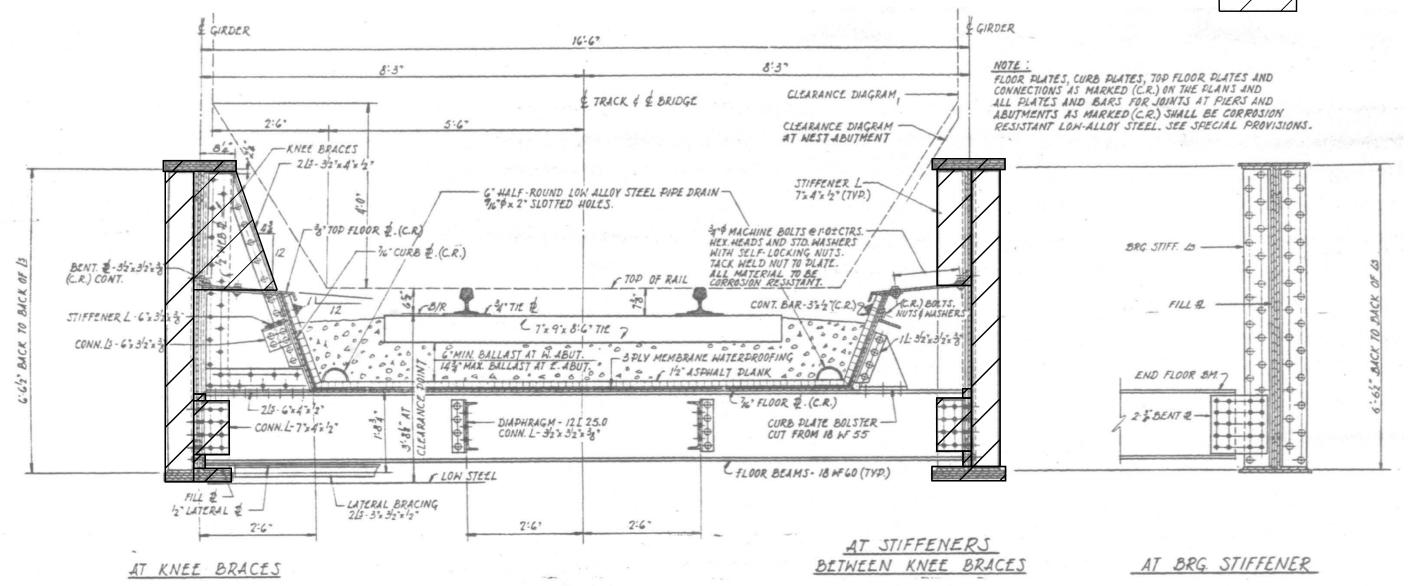
 
 F.A. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEETS NO.

 VAR
 2017-047BP
 VARIOUS
 29
 10

 CONTRACT NO. 62F79

# **LEGEND**





TYPICAL DECK CROSS SECTION

SCALE: \$4'-1'0:

-- COOK COUNTY --

5 OF 21

-- BRWIG-I FARTE 45 (2B) RE 46-MANNHEIM ROAD):

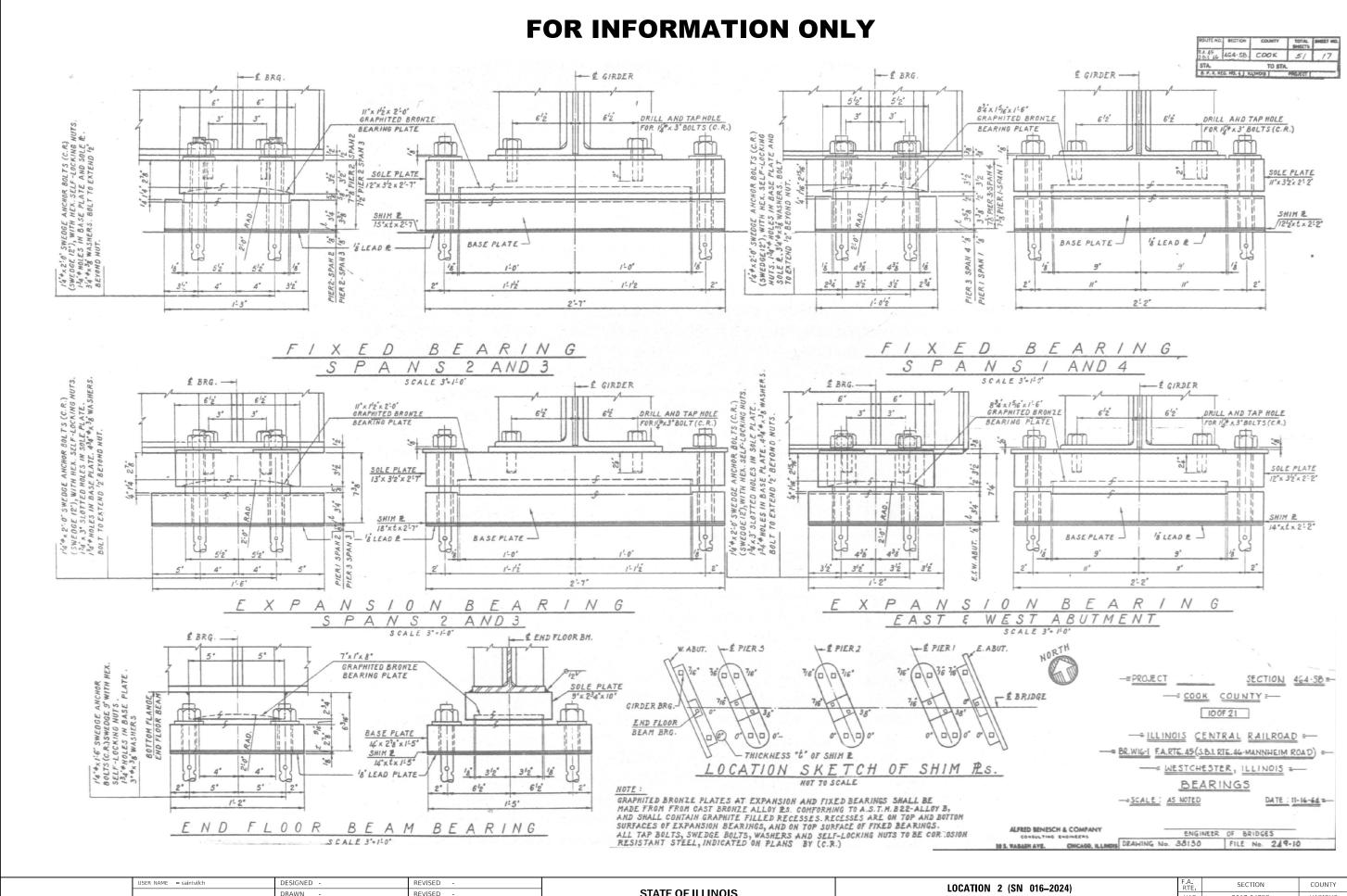
-- BECK SECTION & DETAILS --

-SCALE: AS NOTED DATE: 11-16-64

ALFRED BENESCH & COMPANY
COMPAULTING ENGINEER OF BRIDGES

90 S. WABASH AVE. CHICAGO, BLENON DRAWING No. 38125 FILE No. 249-5

USER NAME = saintvilch	DESIGNED -	REVISED -			LOCATION 2 (SN 016-2024)		F.A. RTF	SECTION	COUNTY	TOTAL S	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		,		VAR	2017-047BP	VARIOUS	29	11
PLOT SCALE = 100.0000 / in	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		DECK SECTION AND DETAILS				CONTRACT	NO. 62F	79
PLOT DATE = 10/19/2017	DATE -	REVISED -		SCALE:	SHEET 5 OF 6 SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT		



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PLOT DATE = 10/19/2017

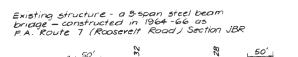
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION LOCATION 2 (SN 016-2024)

STRUCTURAL FIXED AND EXPANSION BEARINGS

SHEET 6 OF 6 SHEETS STA. TO STA.





# JB-R-3(80)

BRIDGE NO. 022-0026

LOCATION SKETCH

S.P. 579 DE IN TO 1 × 1 -.15% Exist. 57 58 55 PROFILE OF ROOSEVELT ROAD

> ¢ North Frontage Road (Shown for Information Only)

> > -Existing Name
> > Plate to be

Prop. 2\* Neoprene Exponsion Jt. See Det.

Bk./Exist. E. Abut. 5ta. 57+13.28 P.G. E/. 663.68

Replace 4° € xp.

Joint Filler

120'=

Sta. 57+10.40 P.G. El. 663.65

Bridge Approach Shoulder Pavement - Typical

- New Wingwall (Typ.)

-Extend Abutments

- £ South

Frontage Road

GENERAL NOTES

SEE PROPOSAL FOR BORING DATA

FASTMERS SHALL BE RIGH STRENGTH BOLTS. 3/4" #, OPEN HOLES 15/16" #, UNLESS OTHERWISE NOTED.

CALCULATED WEIGHT OF STRUCTURAL STEEL = 44170 LBS.

See Special Provisions for Pointing.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE ROTTON FLANCE OF BRANS OR GIRDERS NOR TO THE TOP FLANCE FOR A DISTANCE EQUAL TO ONE-FOUNTH THE SPAN LEWGTH EACH WAY FROM THE FIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

NOTE

Existing bridge deck to be removed, replaced and widened Extend piers and abutments and provide new wingwalls.

Steel beams and bearings to be cleaned and pointed.

Two-way Traffic shall be maintained utilizing stage construction.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING NEW DIAPHRAGMS OVER

THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL COMPORM TO THE SUPPLEMENTAL REQUIREMENTS FOR MOTCH TOUGHNESS ZOME 2. THESE COMPONENTS ARE THE WIDE FLANCE BEAMS, AND ALL SPLICE

REINFORCEMENT BARS SHALL COMPORM TO THE REQUIREMENTS OF AASHTO W-31

BEARING SEAT SURFACES SHALL BE CONSTRUCTED ON ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY CRIMDING THE SURFACE OR BY SHIMHING THE BEARING, TWO 1/8 ADJUSTIME SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING FLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS.

THE CONTRACTOR SHALL DRIVE ONE TEST FILE AT THE WEST ABUTMENT AND ONE TEST FILE AT FIER  $\theta$ 1 IN PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER REFORE ORDERING THE REMAINDER OF FILES. (TVPE-CONCRETE)

SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC, 6" x 6" - W4.0, WEIGHING 58 LBS. PER 100 SQ. PT.

LATOUT OF SLOPE HALLS MAY BE VARIED IN THE FIELD TO SUIT GROUND COMBITIONS AS DIRECTED BY THE ENGINEER.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE RAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL TO SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERLIST SUCH SUBJECT AND DETAILS IN THE FIELD AND MAKE RECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OF COEDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, NOMEVER, THE CONTRACTOR WILL BE FAIL FOR THE QUANTITY OF ACTUALLY FURRISHED AT THE UNIT PRICE BID FOR THE WORK.

EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING HINIMUM CERTIFIED PROOF LOAD = 4,080 lbs., and  $3/4^{\rm m}$  g x  $12^{\rm m}$  mooked bolts.

### WATERWAY INFORMATION

	V * /	<u> </u>	* * / * /						
Drainage Are	0 95	.2 Mi.2	LOW	Grade	Elev. 6	63.1		ta. 66 t	
	-	0	Chenin	0.50.Ft.	Not.	Head		Heodw	
Flood	Yr	CFS	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop
Design	50	3290		834	662.3	0.32	0.32	662.62	662.62
Base	100	3696	834		662.7	-	-	669.12	
	100			834	662.7	0.42	0.42	663.12	663.12
<b>Overtopping</b>	1100	3030	001	-		-			
Max.Calc.	500	The state of the s					<u> </u>	1	1

TOTAL BILL OF	MATE	ERIAL		
ITEM	UNIT S	SUPER.	SUB	TOTAL
CONCRETE REMOVAL  EXTANSION SOLTS 3/4 INCH  STRUCTURE EXCAVATION  FLOOR DRAINS  PROTECTIVE COAT  CLASS X CONCRETE  STRUCTURAL STEEL  REIMPORCEMENT BARS  REIMPORCEMENT BARS (EPOIX COATRO)  BANE FLATES  MROPREM EXTANSION JOINT 2"  CLEARING AND PAINTING STEEL BRIDGE  COBCRETE FILES  TEST FILE CONCRETE  SLOPE WALL, 6"  REMOVAL OF EXISTING CONCRETE DECK  EPOIX CACK SEALING  DEBUGGATE TRANSPORATI CONCRETE  AMBRICHS  CHANNEL EXCAVATION	CU. YD.  ZACR CU. YD.  EACR SQ. YD. CU. YD. L. SUM POUND POUND POUND LIB. FT. L. SUM LIB. FT. EACE SQ. TD. L. SUM LIB. FT. L. SUM LIB. FT. CU. YD.	36 1859 463.6 1 111320 252	26 92 98 98.5 8160 505 2 81	26 92 98 56 1882 562.1 1 81 252 1 505 2 430 1 81

O See Road Plans for Quantities

GENERAL PLAN & ELEVATION ROOSEVELT RD. (ILL. 38) - MAINLINE OVER

SALT CREEK

FAP ROUTE 567 SECTION JB-R-3(80) DU PAGE COUNTY STATION 56 + 38.10

DATE: OCTOBER 10, 1985

USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

Streambed/

ELEVATION

54a 56+ 11.00 R.G. El. 663.63

- Extend Piers

PLAN

00 € 10 - 6" 12:0" 11-98 12500 € 15:0" V 11:9 8 12:0" 12 500 € 10:6"

150'-11'2" Bk. to Bk. of Abuts

8 23

£ Structure Sto.56+38.10

P.G. El. 663.79

Channel to be cleaned as directed by the Engineer. Channel cleaning to be paid for

as channel excavation.

& Salt Creek

2:102

& Brgs. E. Abut.

BM. Cross Cut in N.E. Wingwall of the North Frontage Road

Bridge Elev. 663.29

For Details of Slope Wall-Repairs see Sheet 2

-Replace 4" Exp. Joint Filler

Prop. 2" Neoprene Exp. Jt. See Det. I

2-10/2

Extend Abut.

\$ 18° Storm Sewer-

Location of

Name Plate See Sht. 2

### FOR INFORMATION ONLY | 15070 H2105H | CON-11 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 1507 454956 53- 74 45-95 15 SHEETS # J8-R-3(80) Saga Seen 2 Span 3 3" 22"- 40" & Bros. 4" Pier \*2 -31.22.40 ) & Brgs filer#1 3/-22-40 31-22-40 E Brgs E Acut. & Brgs W. Abut (Exp.) 22-28 <u> 19-23</u> 75-18 1-421 1-44 W30-116 N.T.R. W30×116 NTR W30 + 116 N.T.R. & Field Splice 12 75055 63 38 75865 63 -12. 55005 @ 7:4 F35.3 LEW D. is 8 4.5. softs in Flonge Splice with "Fix" o Holes -ENST WED BEDME W30-116 NTR. N30 KIIG NTR NOMIG NTR بهسد ح نورود 25plice = Z # 3000 # 1-250 6x 6x2127 ATR PARTIAL FRAMING PLAN 45 -22 E'DMS BOMS A WEL Spice with Might Mores 45 - 9 <sup>5</sup>a' 45 - 9 % Joon 3000 3 FIELD SPLICE DETAIL 11-82" 30'-24" /- 5 z ° BEAM BI & BIG ELEVATION - IT I GATE HORS INTERIOR BEAM MOMENT TABLE 1 Enst Hear 2:70 5-476 using holes in & Bearing & Diaphragm 04 59 1023 PIER 1042 0.55F. 2 angles as Template Dioph 52° On Beam € NBOT TOD m<sup>4</sup> 49300 49300 49300 Prgo W30-\_EXIST W30 Level 1841 108 108 10ê بر دیاری سین -23 E 4x3 1620 (x) 2940 | -2277 252 € Cope 79 [ තිරයි | - ශාවී : 1- 3" 4 H 5 BOMS MITOTALIAN \$403 \$54.6 456.5 Wist & Holes WIZ Diephrea -E415+ 9412 Diaon (KS)) 1975 20 22 17 54 W16,3302 1. dxf Den Es Tempye existing rivers and mail 17:18 first noise in new beat & march existing - Exist Diasn Diach 1' Lang Bens to entire Exist NBC B 4 W30-W30-NTERIOR GIRDER REACTION TABLE - L # + 4 x 2" TOD & BOTT. Indies Provide new 314 Tian Strength Balts With Margered -Enil Big = Holes in new ABUTHENT P154 Geometry & & # 5 30115 P1057978 549 181 SECTION D-D \* Moton Existing Drop SECTION B.B SECTION C.C SECTION A-A 446 36 2 ₹4\_ κ. 28 18: 106 D2 DIAPHRAGM DETAILS mopDIAPHRAGM DETAILS 1 2.5 648 Proma. NOTES FOR SECTIONS A-A THRU F-F E ROOSEVE! — Hardened Washers enall be required over all \$4'0 holes with \$2'0 costs — All contact surfaces of the joints for diaphragms shall - Orly 13 &'s Holes ce free or paint or locques n ex st. beam uping noies in ongles be template 2-01 NOTE: NTR designates Noter Toughness 彩色 10年 Agar Requirement, see General Notes TOP OF BEAM ELEVATIONS X data / Level # Brgs | # Brgs | Spice # 1 Spice # 2 | E Brgs | # Brgs | West Abut | Pier # 2 | Bost Abut FFFF 662.55 662.501662.481632.41 632.59 662.50 662 70 | 662 64 | 662 61 | 662 53 | 662 5. | 662 42 FRAMING PLAN AND DETAILS 1 -W12 + 45 + 08 ROOSEVELT RD. (ILL. 38) - MAINLINE \* For tabrication only 9-57-7-OVER \*\*\* CALC 4: 74 SALT CREEK La 1 -515 135 -Exsr NJQ モメ また かいこつ ご FAP ROUTE 567 SECTION JB-R-3(80) 200 SECTION FOF SECTION E-E K Marum Exist Drop OU PAGE COUNTY STATION 56+38 10 NELSON OSTROM BASKIN BERMAN & ASSOC. INC. D4 & D5 DIAPHRAGM DETAIL D3 DIAPHRAGM DETAIL DATE: OCTOBER 10, 1985 JSER NAME = saintvilch DESIGNED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

REVISED

REVISED

REVISED

REVISED

DRAWN

DATE

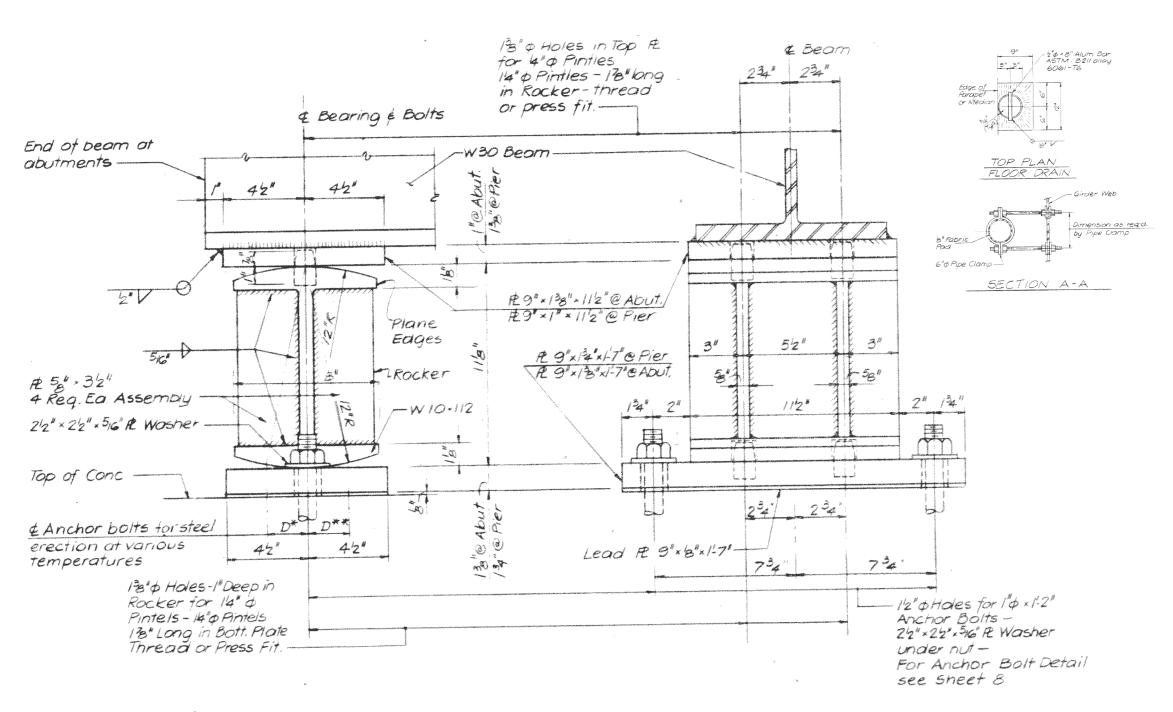
PLOT DATE = 10/19/2017

CHECKED

LOCATION 3 (SN 022-0026) FRAMING PLAN AND DETAILS SHEET 2 OF 3 SHEETS STA.

SCALE:

SECTION COUNTY VAR 2017-047BP VARIOUS 29 14 CONTRACT NO. 62F79



| TOUTH NO | SECTION | COUNTY | COUNTY

PINTLE DETAIL

BEARING & DRAIN DETAILS ROOSEVELT RD. (ILL. 38) - MAINLINE

SALT CREEK FAP ROUTE 567 SECTION JB-R-3(80) DU PAGE COUNTY STATION: 56+38.10 DATE: OCTOBER 10, 1985

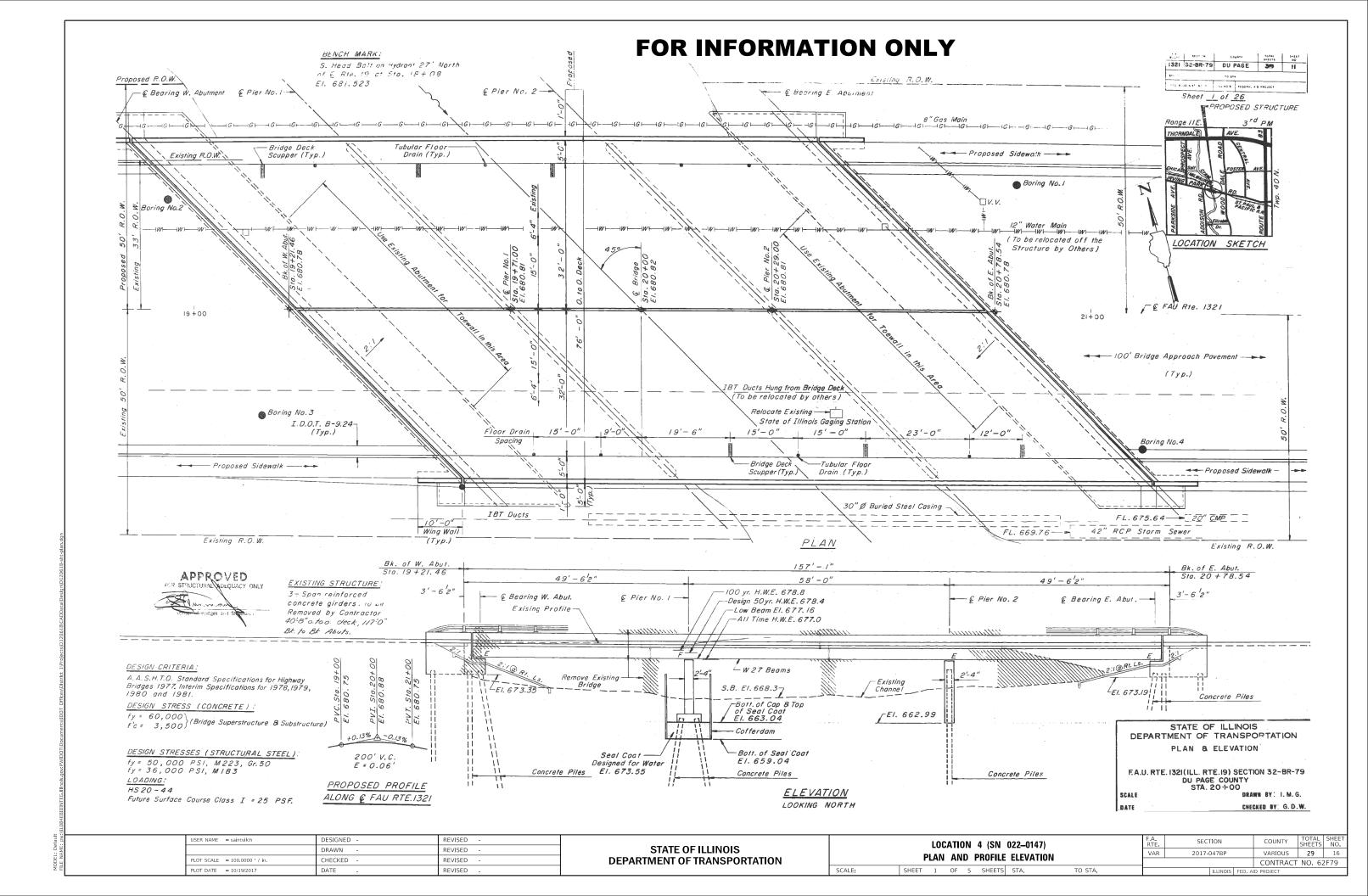
ABUTMENT & PIER EXPANSION BEARING

USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

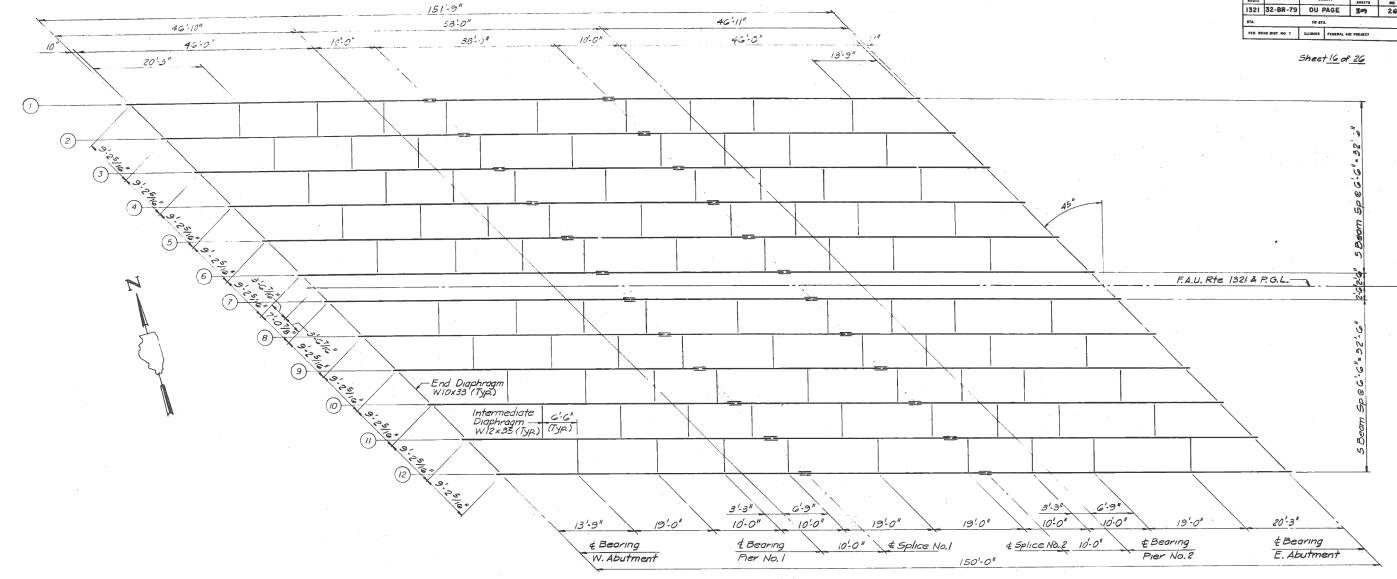
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	LOC	CATIO	ЭN	3 (SN	022–002	6)	F.A. RTE	
	EΛΕ	OINIC	ΛΝ.	, DDV	IN DETA	vii e	VAR	
						AILO		
SHEET	3	OF	3	SHEETS	STA.	TO STA.		

SECTION COUNTY 2017-047BP VARIOUS 29 15 CONTRACT NO. 62F79







FRAMING PLAN

INTERIOR BEAM			MOMENT	TABLE	INTERIOR BEAM	Is & $S_5$ are the mament of inertia & section modulus of the steel section used in computing is total.														
		0.4 SP.1 or 0.6 SP.3	Pier I or 2	0.5 SP. 2	RP	W.or E.A		er I or 2 58.8	- or the composite accion used in composing is love.							61.				
Is	( m.4)	2850	2850	2850	RU	36.		42.8							7					
Iσ	(In.4)	8722		8722	Imp	//-		12.9							np)] is used in					
Ss	(In.3)	213	213	213	R Total	65.	7	114.5	77	he load	factor (	1.3) [DL	+33(LL	+1mp)/	is used	in				
5 <sub>c</sub>	(in.3)	334		334					C	omputing	g mome	nte and	stress	cs.						
12	(K1,)	0.741	1.021	0.741	]															
MP	(K')	139	339	141		TOO OF BEAM FUTUATION														
fa Non-Co	omp.(ksi)	7.8	19.1	7.9	1			TOP	OF BEAM ELEVATION *											
50	(K/1)	0.280		0.280	BEAM	,		7		-		7	8	9	10	11	12			
MsP	( K' )	62		78	LOCATION	1	2	3	4	)	6	′	0	9	10	''	12			
MŁ	(K')	602	330	703	© Brg. W. Abut.	679.46	679,60	679.74	679.86	679.97	680.07	680.08	679.99	<i>679.89</i>	679.78	679.65	679.53			
M Imp.	( K' )	181	100	211	© Brg Pier No.I	679.46	679.59	679.73	679.85	679.95	680.05	680.05	679.96	679.86	679.75	G79.G2	679,49			
Total	(k')	845	403	992	© Splice No. i	679.46	679.59	679.73	679.85	679.95	680.05	680.05	679.95	679.85	679.74	679.61	679.47			
fs Comp.	(KSI)	30.4	24.2	35.6	© Splice No. 2	679.47	679.61	679.74	679.85	679.95	680.05	680.05	679.95	679.85	679.73	679,59	679.46			
fs Total	(KSI)	38.2	43.3	43.5	Ç Brg. Pier No. 2	679.49	679.62	679.75	679.86	679.96	680.05	680.05	679.95	679,85	679.73	679.59	679.46			
VR	( K )	47.5		40.2	© Brg. E. Abut.	679,53	679.65	679.78	679.89	679.99	680,08	680.07	679.97	679.86	679.74	679.GO	679.46			

\* Elevations are before any deflection & are to be used for fabrication only.

Note:

Work this sheet with Sheets 17% 18

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION FRAMING PLAN

F.A.U. RTE. 1321 (ILL. RTE. 19) SECTION 32-BR-79 DU PAGE COUNTY STA. 20 + 00

SCALE

BATE

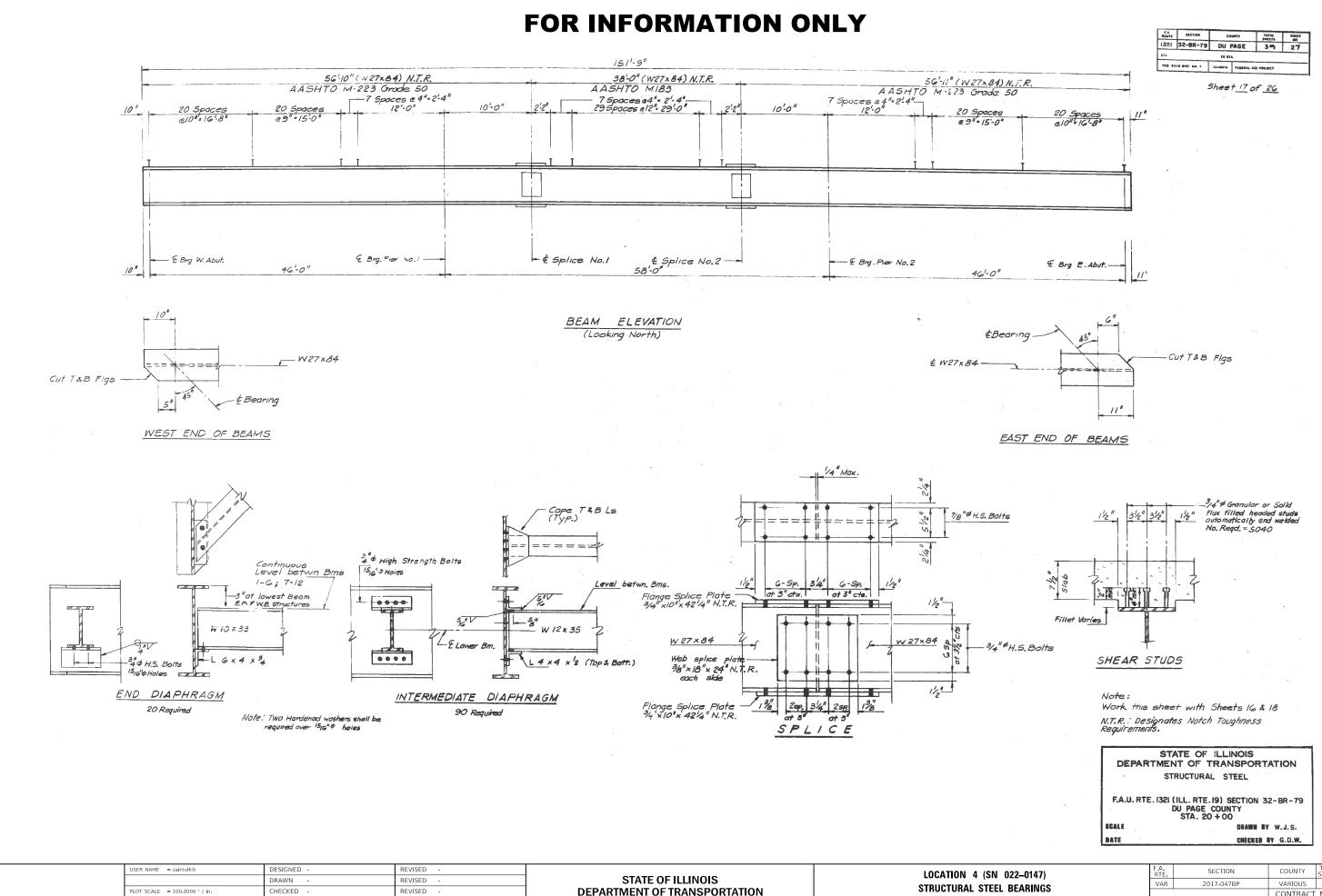
BRAWN BY W.J.S. CHECKED BY G.D.W.

USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

LOCATION 4 (SN 022-0147) STRUCTURAL STEEL FRAMING PLAN SHEET 2 OF 5 SHEETS STA.

SECTION COUNTY VARIOUS 29 17 2017-047BP CONTRACT NO. 62F79



DATE

REVISED

PLOT DATE = 10/19/2017

**DEPARTMENT OF TRANSPORTATION** 

STRUCTURAL STEEL BEARINGS SHEET 3 OF 5 SHEETS STA.

TO STA.

SCALE:

VARIOUS 29 18 CONTRACT NO. 62F79

5" & Brg

70" Holes in Bott Flange
Adjusting Shim R

(as required)

Bearing Assembly

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

Side Retainer (at inside face of exterior girders only)

6" 6"

9 1/4"

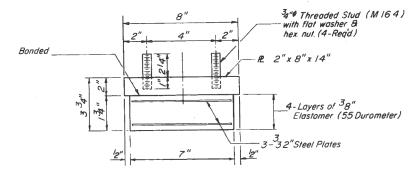
\*C 1" \*\* x 12" Anchor bolis with 22" x 25" x 516" R washer under nut.

SECTION AT ABUT.

SECTION A-A

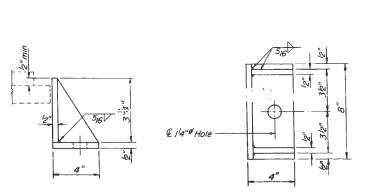
TYPE I ELASTOMERIC EXP. BRG.
AT WEST ABUTMENT

\*Note: After girders have been erected holes at expansion bearings shall be drilled and anchor botts grouted in place. Anchor botts at fixed bearings may be built into the masonry.

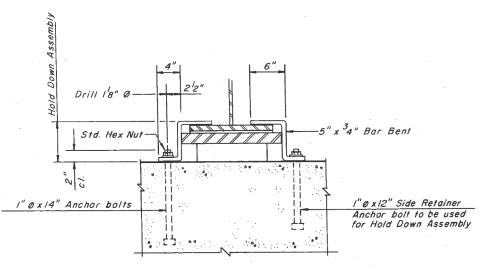


### BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.



### SIDE RETAINER



BEAM HOLD DOWN DETAIL

# BILL OF MATERIAL

ltem .	Unit	Quantity
Elastomeric Bearing Assembly, Type I	Each	12

### NOTES.

Work this Sheet with Sheets 16 & 17

ELASTOMERIC BEARING DETAILS
STEEL BEARING DETAILS

F.A.U. RTE. 1321 (ILL. RTE. 19) SECTION 32-BR-79
DU PAGE COUNTY
STA. 20+00

USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

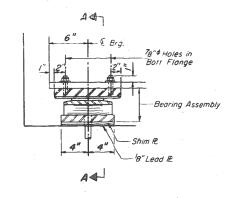
				•	022-0147 BEARING		F.A. RTE VAI
SHEET	4	OF	5	SHEETS	STA.	TO STA.	

A. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2017-0	)47BP		VARIOUS	29	19
				CONTRACT	NO. 62	2F79
		ILLINOIS	EED Δ	ID PROJECT		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

\*Note: After girders have been erected holes at expansion bearings shall be drilled and anchor bolts grouted in place.



Side Retainer
(Tack weld to Bott R.)

2"

9 4"

18 2"

2"

2"

2"

2"

2"

2"

2"

2"

3 4 12"

Anchor bolts with

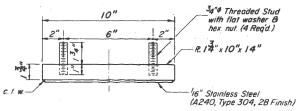
22 12"

12" Holes in bottom R.

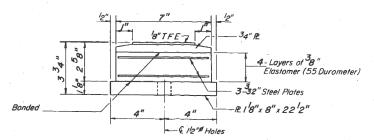
### SECTION AT ABUT.

SECTION A-A

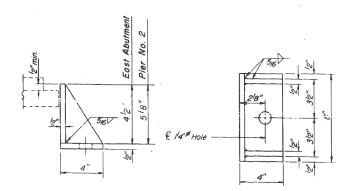
# TYPE II TFE ELASTOMERIC EXP. BRG. AT EAST ABUTMENT



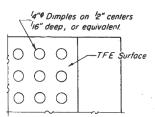
TOP BEARING ASSEMBLY



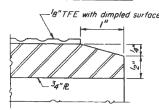
BOTTOM BEARING ASSEMBLY



SIDE RETAINER



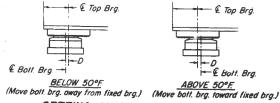
PLAN-TFE SURFACE



SECTION THRU TFE

Note: The 'g" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-4-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

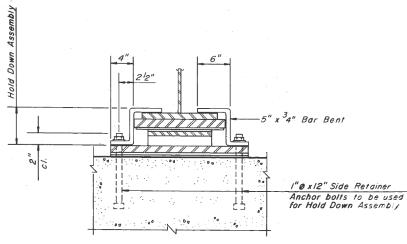
Bonding of '8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



SETTING ANCHOR BOLTS AT EXP. BRG.

D = 18" per each 100' of expansion for every 15° temp. change

from the normal temp. of 50°F.



### BEAM HOLD DOWN DETAIL

Note: Beams shall be held down at the Abutment on the opposite end of Bridge from which the deck pour is commenced. After pouring is completed the Hold Down Assembly shall be removed and install Side Retainer. Cost of Hold Down Assembly, incidental to Class X Concrete.

### BILL OF MATERIAL

Item	Unit	Quantity
Elastomeric Bearing Assembly, Type I	Each	12
Elastomeric Bearing Assembly, Type II	Each	12
		-
		1.0

### NOTES.

Work this Sheet with Sheets 16 & 17

ELASTOMERIC BEARING DETAILS

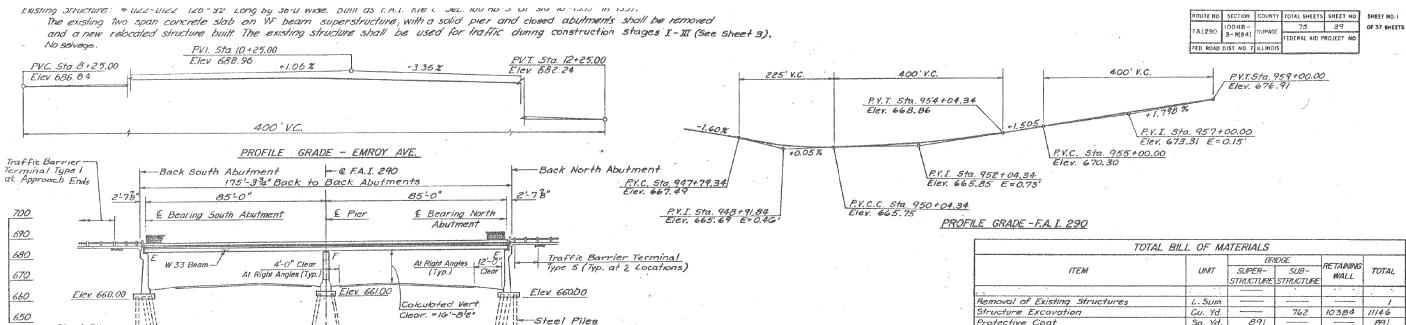
F.A.U. RTE. 1321 (ILL. RTE. 19) SECTION 32-BR-79 DU PAGE COUNTY STA. 20+00

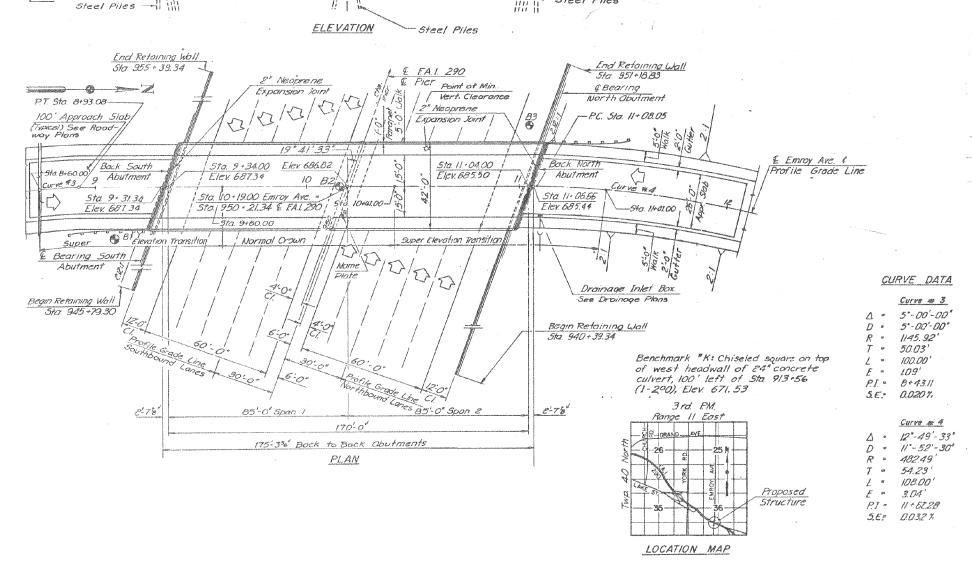
USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRU				4 (SN ASTOMI		0147) BEARINGS		
SHEET	5	OF	5	SHEETS	STA.		TO STA.	

F.A. RTE	SECT	ΠΟN		COUNTY	TOTAL SHEETS	SHE
VAR	2017-0	047BP		VARIOUS	29	20
				CONTRACT	NO. 6	2F79
		TELINOIS	EED A	ID DROJECT		





		BA	NOGE	RETAINING WALL	TOTAL
ITEM	UNIT	SUPER- STRUCTURE	SUB STRUCTURE		
. 3	1.				
Removal of Existing Structures	L. Sum		annes and malining	Antonio di Santa di S	. /
Structure Excovation	Cu. Yd.	-	762	10384	11146
Protective Coat	Sq. Yd.	891			891
Closs X Concrete	Cu. Yd.	257.0	355.1	2721.8	3333.9
Structural Steel	L. Sum	/		, martine 100	.1
Stud Sheor Connectors	Each	2628	ORDER OFFICE OF	**************************************	2628
Reinforcement Bors	Pound	6641-V-1411-1410-1410-14	43610	175960	219570
Reinforcement Bars (Epoxy Coated)	Pound'	52860	3870	20890	77620
Steel Piles HP8 x 36	L117 14	Automicronom	Best - street company	1987	1987
Steel Piles HPIO x 42	Lin. Ft.	***************************************	1958	11686	13644
Test Pile Steel HP8 x 36	Eoch		erier enimie	2	2
Test Pile Steel HPIOX42	Eoch	****	3	9	12
Steel Sheet Piling	Sq. Ft.	(ACTION OF THE PERSONS ASSESSED.	2984	en e	2984
Temporary Sheet Piling	50. F1:		1100	11424	12524
Name Plates	Each		1	****	1
Elastomeric Bearing Assembly , Type I	Eoch	12	**********		12
Drainage Scuppers	Eoch	/			. /
Neoprene Exponsion Joint 2"	Zin. Ft.	90	**************************************		.90
Drainage System	L. Sum	Annual An			1
Choin Link Fence G' Bridge	Lin. Ft.	344	***************************************	Management of the last of the	344
Chain Link Fence & Bridge	Lin. Ft.	344		***************************************	344
Enkadrain System	Sq. Yd.	ACMINISTRATION AND ADMINISTRATION AND ADMINISTRATIO	230	2741	2971
Chain Link Fence 4' Special	Lin. Ft.			1945	1945



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION.

BRIDGE PLAN AND ELEVATION AND QUANTITIES

EA.I. ROUTE 290, DUPAGE COUNTY SECTION 100HB-3-R(84) STA. 950+21.34 INTERSTATE ROUTE 290 UNDER EMROY AVENUE

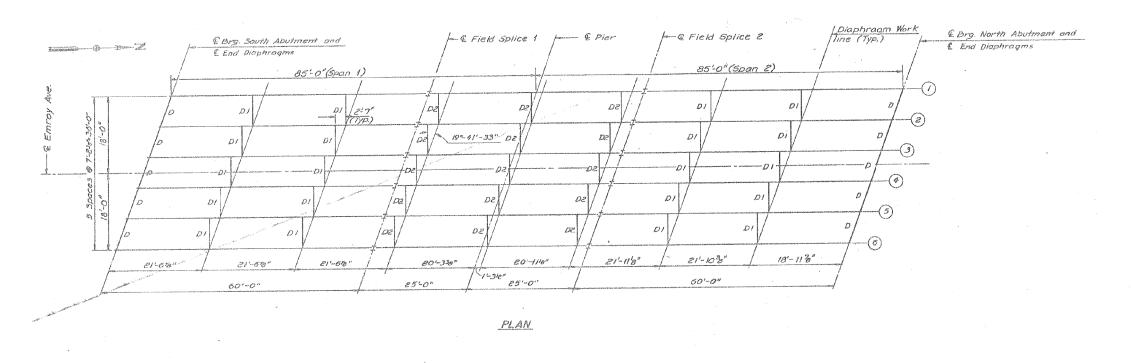
USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

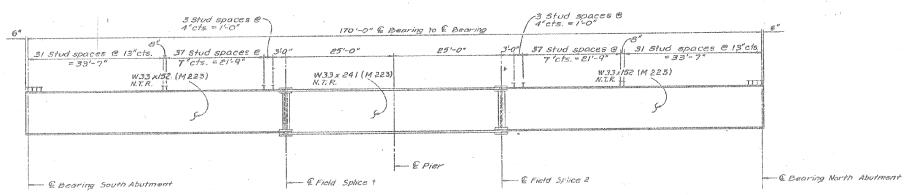
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

LOCATION 5 (SN 022-0149)						)	F.A. RTE.	SEC <sup>-</sup>	TION		
ь	LAN	ΛN	ח ו	DDOEII E	ELEVATION	, ON	VAR	2017-	047BP		,
	LAN	AN	י ט	PHOFILE	ELEVATIO	UIN					C
SHEET	1	OF	3	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D P

F.A. RTE	SEC <sup>-</sup>	ΓΙΟΝ		COUNTY	SHEETS	SHEET NO.
VAR	2017-	047BP		VARIOUS	29	21
				CONTRACT	NO. 62	2F79
		ILLINOIS	FED. A	ID PROJECT		





ELEVATION

Note: N.T.R. Indicates Notch Toughness Requirement. M 223 Steel that is noted is Grade 50

ROUTE NO SECTION COUNTY TOTAL SHEETS SHEET NO. SHEET NO. 10

EAL290 100 HB - DUPAGE 725 48 0P 37 SHEETS TEDERAL AID PROJECT NO

MOMENT TABLE
SYMMETHICAL COMPOSITE 2 SPAN
sposite in Positive Moment Area Only)

//V7	ERIOR G	SRDER MOM	ENT TABLE
HATTLANDING HATA-BOOK	Market Science (Co. Co. Co. Co.)	0.4 Sp./	Pier
I.s	(in 8)	0,160	14,200.0
3c	(in 4)	21,618	
9.5	(in 3)	487	829
5c	(in 3)	7/3	apago para mina mana atawa min
2	(1/1)	.861	1373
Mg	(K)	373	1,334
ž <sup>2</sup>	(IN3)	559	
512	(141)	0.423	
Msa	(K)	214	
ME	('K)	6.62	570
Mimp	('K)	158	/56
53 (ME	+1) ('K)	1567	1177
Ma	('K)	2,540	32.64
fs Enon-	comp.(k.s.l)	9.2	19.3
fs # (co	mp.) (k.s.i)	3.6	CHES MACHINE MARKET ANDRESS.
f553/4	+1) (k.s.i)	23.0	17.0
	load)(k.s.i)		36.3
fs (Tota	11) (k.s.i)		47.2
V	(K)	55.4	Commission and the second second second

governor Province		Abuiment	Pier
RQ	(K)	39.3	144
A4.	(K	40.8	61.6
Imp	(M)	9.7	14.6
M total	(K)	89.8	220.2

Is and Ss are the moment of inertia and section modulus of the steel section used in computing  $I_5$  rotal.

Ic and Sc are the moment of inertia and section modulus of the composite section used in computing fs Total VR is the maximum \( + \) Impact shear ronge in spon.

Ma(Applied Moment): (3E N@+ Ms 2 + 53(M½ + E))

Beam	S. Abut.	# Splice 1		# Splice 2	
1	686.47 \$2	685.98	685.7884	685.46	684-99
2	886.576	Carred Africa Company of the Party of the Pa	686. 8901	685.63	684.91
.3	586.636		680.0214	685 . 75	684.84
4	686.60 td		686.04	685.77	684.75
55	666.485		685.96	685.70	684-62
6	686.3441		665.84	665.58	684.48

\* This elevation is at top of was x 241



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND GIRDER ELEVATION

EA.I. ROUTE 290, DUPAGE COUNTY SECTION IQOHB-3-R(84) STA. 950 + 21.34 INTERSTATE ROUTE 290 UNDER - EMROY AVENUE

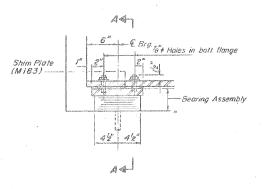
USER NAME = saintvilch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 5 (SN 022-0149) STRUCTURAL STEEL FRAMING PLAN							
	SHEET	2	OF	3	SHEETS	STA.	TO STA.

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
VAR	2017-047BP	VARIOUS	29	22
		CONTRACT	NO. 62	2F79

oles



Side Retainer (a) inside face of exterior beams only)

6" 6"

9'4"

£ I"Ø x 12" Anchor bolts with 2'2" x 2'2" x 3'6" R washer under nut.

SECTION A-A

3" At Beams ()E (6) North Abut.

3" At lowest Beam (South Abut)

W33x152

W12x40

W12x40

(Omit on outside face of put 1.6x4x34 Abut.

Top/ Diaphragm "D" Level at South Abut.
Provide Constant Slope at North Abut.
to get 3" from Top/WF to Top/ Diaphragm
at Beams () & (6)

SECTION AT ABUT.

TYPE I ELASTOMERIC EXP BRG.
Note: Shim plates shall not be placed under
Bearing Assembly.

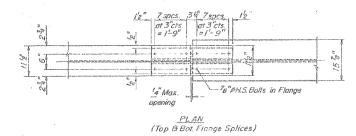
Bonded

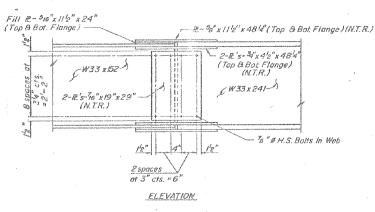
2" 3" 3" 2"

R 2"x10"x1-2"(M183)

7-Layers of 3"
Elastomer (55 Durameter)

9" 9" 6-3s\$Sieel Plates





SIDE RETAINER
(M.183)
Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.

BEAM SPLICE DETAILS (Splice Plates: M 223 Grade 50, Fill Plates: M 183) END DIAPHRAGM D 10 Required (M'183) Note:

Hardened washers shall
be required over all <sup>B</sup>B'sholes
in diaphragms.

19-41-33"

# TABLE OF BEARING SHIM PLATES (Shim plates required in addition to the 2-16" field adjusting shims per Bearing.)

exterior

beams).

	BEAM							
LOCATION		2	3	4	5	6		
So. Abut.			58"	4"	enaveno	*Onivipado		
Pier	AMERICA TORONO.	sitematakan A	<i>8<sub>8</sub>''</i>	Manage and a	emailemen	de Alles de California		
No. Abut.	2340y-14420	one)monthshiber	PRINCE AND LOSS	**************************************	///////////	WHODENEDO :		

Notes:

SCALE:

Cost of fixed bearings (including anchor bolts) and beam splice material are included in the unit bid price for "Furnishing and Erecting Structural Steel".

Cost of threaded studs, shim plates, bearing plates, side retainers and anchor bolts are included in the unit bid price for "Elastomeric Bearing Assembly, Type I".

For anchor bolt details and installation procedure, see Sheet No. 12. Anchor bolts at fixed bearings may be built into masonry.

All splice plates for the beam splices are subject to the Notch Toughness Requirements (N.T.R.), except fill plates.

### BILL OF MATERIAL

ITEM,	UNIT	TOTAL
Elastomeric Bearing Assembly, Type I	Each	12



S STATE OF ELLINONS
DEPARTMENT OF TRANSPORTATION

BEARINGS AND STRUCTURAL STEEL DETAILS

FA.L NOUTE 290, DUPAGE COUNTY SECTION 100 NB - 3 - R(84) STA. 950 + 21.34 INTERSTATE ROUTE 290 UNDER EMROY AYENUE

USER NAME = saintvilch	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2017	DATE -	REVISED -

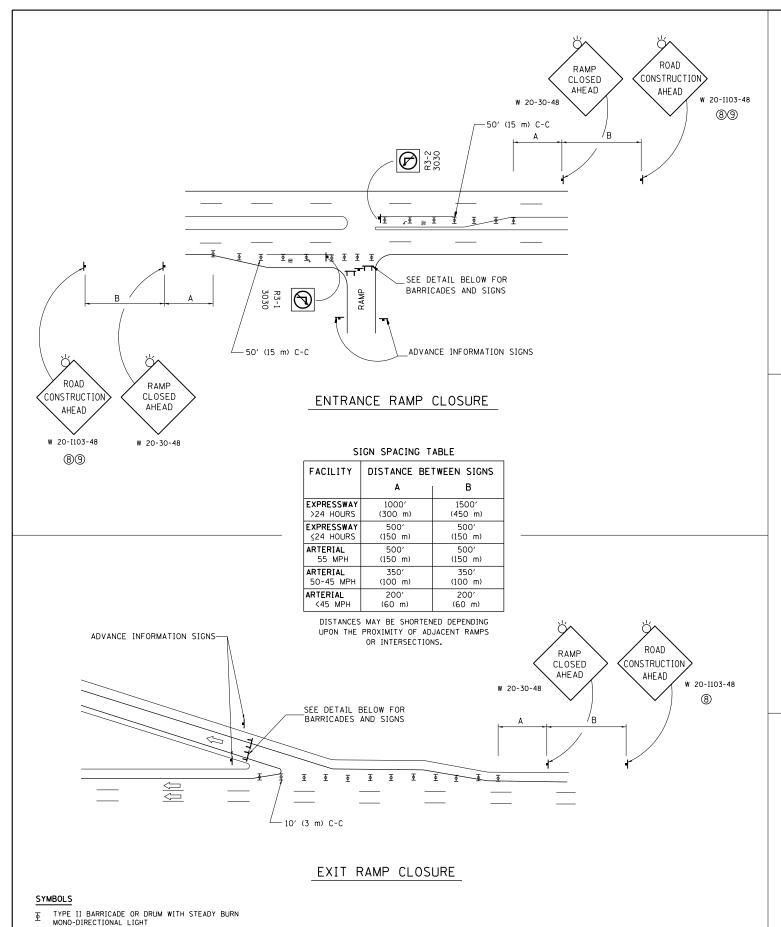
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

e T	LOCATION 5 (SN 022-0149) STRUCTURAL STEEL BEARINGS AND DIAPHRAGM						
311	KUCIUN	IAL	21EE	LE	SEARING	9 AMD	DIAPHKAGIVI
	SHEET	3	OF	3	SHEETS	STA.	TO STA.

A. SECTION COUNTY TOTAL SHEET'S NO. 
VAR 2017-047BP VARIOUS 29 23

CONTRACT NO. 62F79

| ILLINOIS | FED. AID PROJECT



TYPE III BARRICADE WITH 2 FLASHING LIGHTS

# TYPE III BARRICADES TYPE III

DETAIL FOR REQUIRED BARRICADES & SIGNS

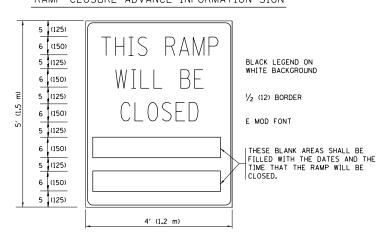
### RAMP CLOSURE ADVANCE INFORMATION SIGN

RAMP CLOSED 75 8 9 9

RAMP CLOSURE ADVANCE WARNING SIGN

BLACK LEGEND ON ORANGE
BACKGROUND MOUNTED
DIAGONALLY
E MOD FONT
1 (25) BORDER
SIGNS ARE REQUIRED ON ALL THE EXIT

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

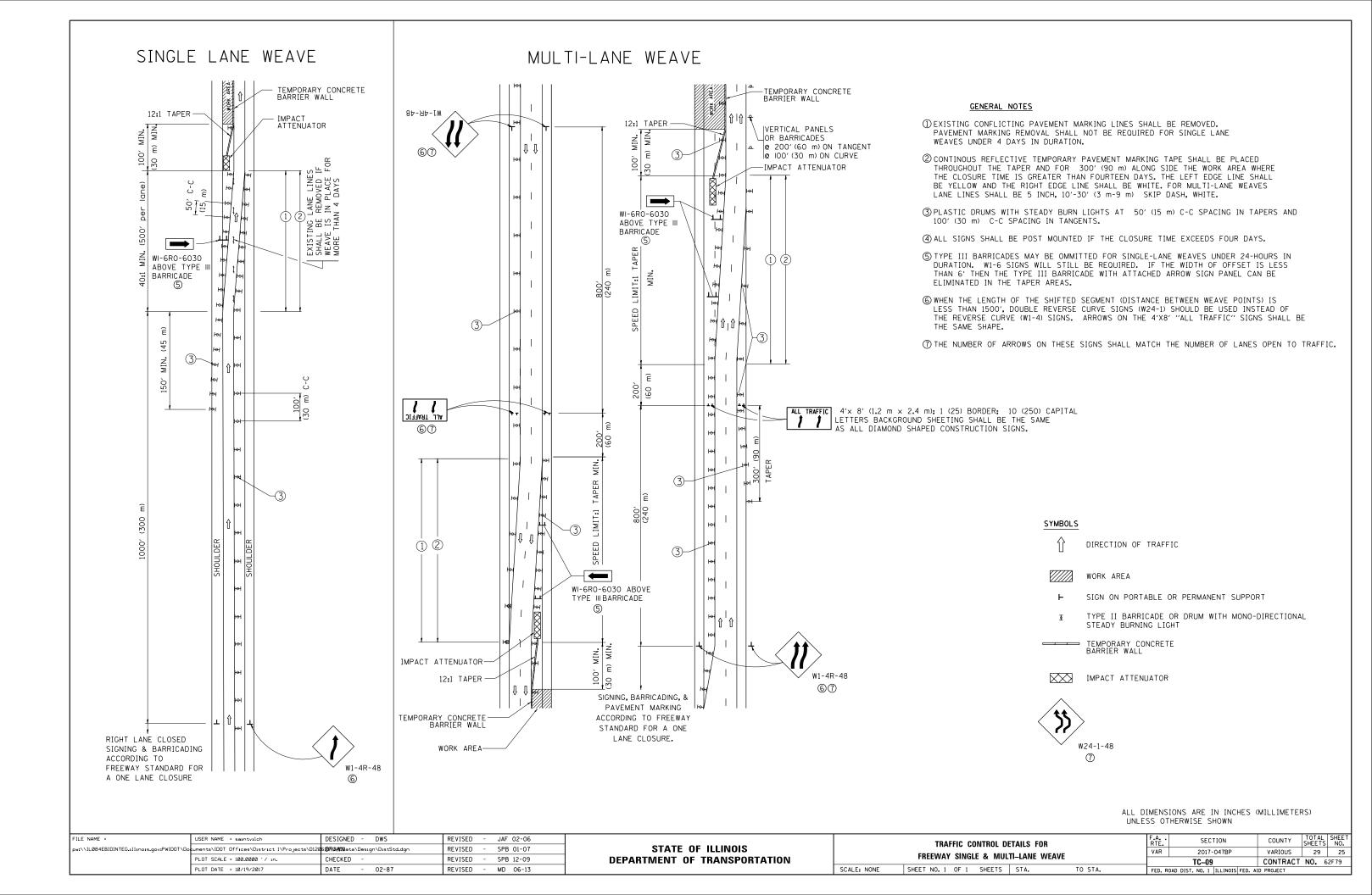
### GENERAL NOTES:

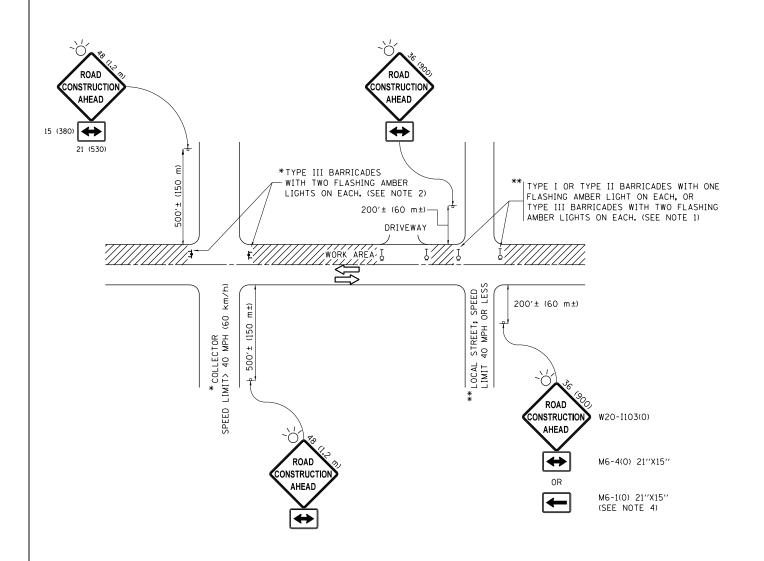
- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II
  BARRICADES DURING DAY OPERATIONS. CONES SHALL BE
  A MINIMUM OF 28 (700) HIGH.
- STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- (3) A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- (5) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- (7) THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS, ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- (8) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = saintvilch	DESIGNED - DWS	REVISED - JAF 02-06		ENTRANCE AND EXIT RAMP	F.A	SECTION	COUNTY	TOTAL S	SHEET NO.
pw:\\IL084EBIDINTEG.:111:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D120	261 <b>BRAMD</b> ata\Design\DistStd.dgn	REVISED - SPB 01-07	STATE OF ILLINOIS		VAR	2017-047BP	VARIOUS	29	24
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - SPB 12-09	DEPARTMENT OF TRANSPORTATION	CLOSURE DETAILS		TC-08	CONTRACT	NO. 62	2F79
	PLOT DATE = 10/19/2017	DATE - 02-83	REVISED - MD 06-13		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD		AID PROJECT		





### **NOTES:**

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48  $\times$  48 (1.2 m  $\times$  1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710)
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE: NONE

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

COUNTY

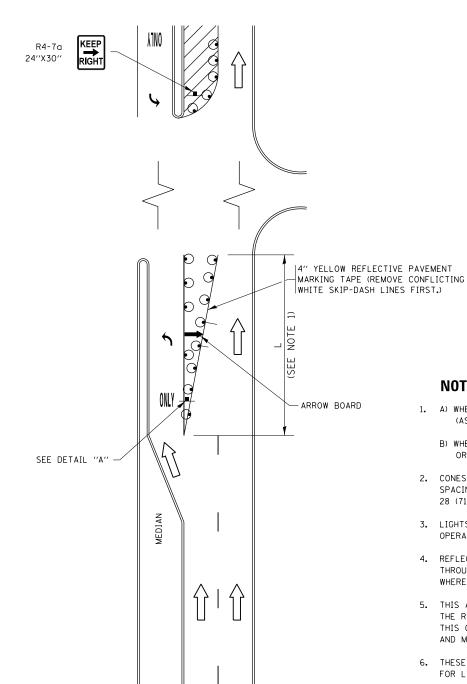
VARIOUS 29 26 CONTRACT NO. 62F79

FILE NAME =	USER NAME = saintvilch	DESIGNED - L.H.A.	REVISED	- A. HOUSEH 10-15-96
pw:\\IL084EBIDINTEG.:ll:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D120	6 <b>BRAWN</b> ata\Design\DistStd.dgn	REVISED	-T. RAMMACHER 01-06-00
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED	- A. SCHUETZE 07-01-13
Default	PLOT DATE = 10/19/2017	DATE - 06-89	REVISED	- A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TRAFFIC CONTROL AND PROTECTION FOR					F.A. RTE.	SECTION	COUNTY
СI	SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				VAR	VARIOUS		
31	SIDE NUADS, INTERSECTIONS, AND DRIVEWAYS				CONTRA			
	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



# FIGURE 1

# **LEGEND** WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT

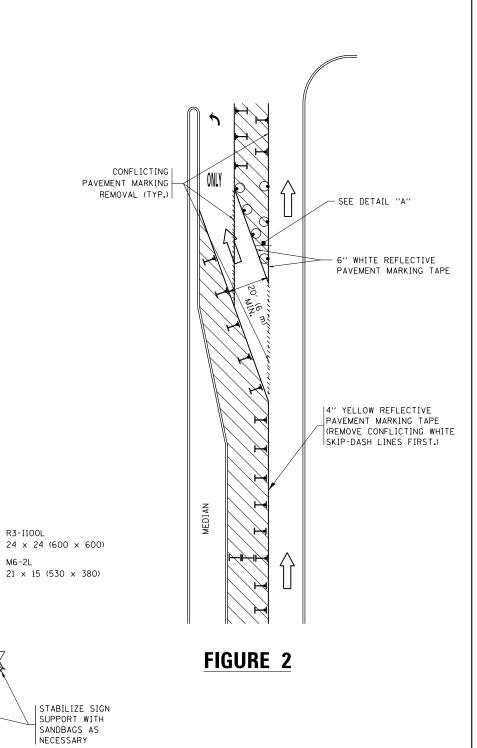
TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

SIGN ASSEMBLY

### NOTES:

- 1. A) WHEN "L" IS < THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
  - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21  $\times$  15 (530  $\times$  380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

# **TURN BAY ENTRANCE** WITHIN A LANE CLOSURE

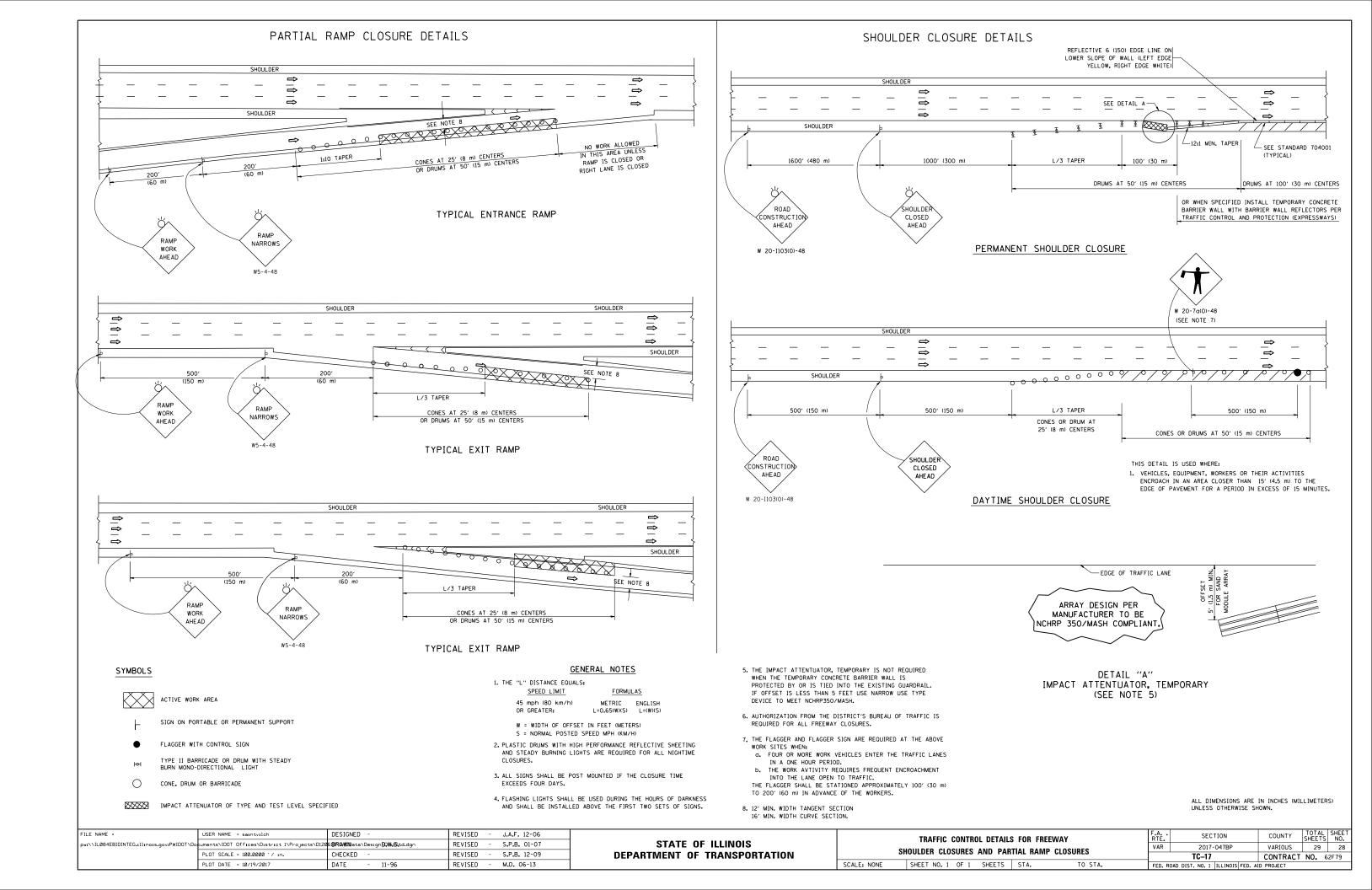


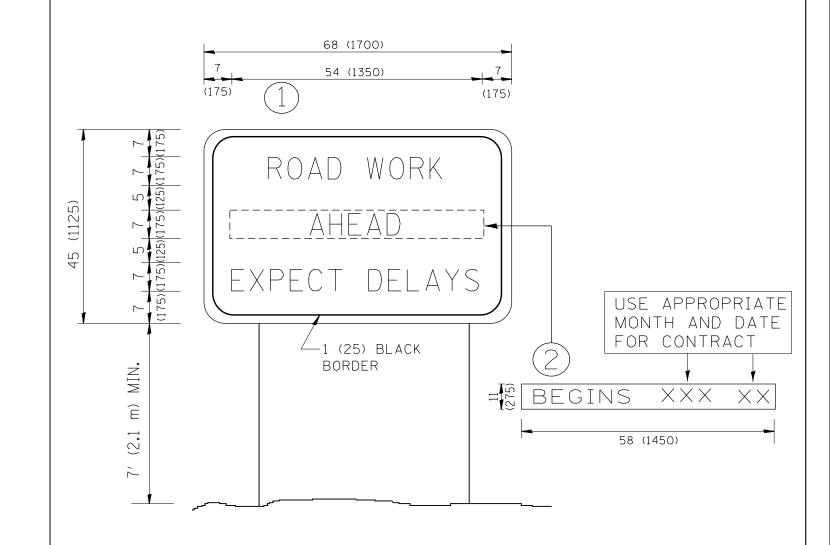
## **DETAIL A**

TURN

All dimensions are in inches (millimeters) unless otherwise shown.

	FILE NAME =	USER NAME = saintvilch	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	07475 05 HILIDOIO	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS	RTE.	SECTION	COUNTY SHEETS NO.
	pw:\\IL084EBIDINTEG.:111:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D120	GREV4SEDa∖Design VoµsHOUSEH 11-07-95		STATE OF ILLINOIS	(TO REMAIN OPEN TO TRAFFIC)	VAR	2017-047BP	VARIOUS 29 27
		PLOT SCALE = 100.0000 '/ in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	DEPARTMENT OF TRANSPORTATION	(TO REIVIAIN OFFIN TO TRAITIO)		TC-14	CONTRACT NO. 62F79
L	Default	PLOT DATE = 10/19/2017	REVISED -T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT





## NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- 7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = saintvilch	DESIGNED -	REVISED - R. MIRS 09-15-97	·		ARTERIAL ROA	AD.	F.A	SECTION		TOTAL SHEET
pw:\\ILØ84EBIDINTEG.:111:no:s.gov:PWIDOT\C	cuments\IDOT Offices\District 1\Projects\D120	S <b>BRAWIN</b> ata\Design\DistStd.dgn	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS				VAR	2017-047BP	VARIOUS	29 29
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN				TC-22	CONTRACT N	NO. 62F79
	PLOT DATE = 10/19/2017	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAL	D DIST. NO. 1   ILLINOIS FED.	AID PROJECT	