

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	1
ILLINOIS			CONTRACT NO. 62X49	

D-91-033-25



LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF
FOX LAKE AND GURNEE, AND THE CITY OF PARK CITY

TRAFFIC DATA

LOCATION #1:
IL 59 OVER ROLLINS ROAD (SN: 049-0171)
ADT: 8,850 (2023)
SPEED LIMIT: 35 MPH

LOCATION #2:
US 41 AT WASHINGTON STREET (SN: 049-0016)
ADT: 30,500 (2023)
SPEED LIMIT: 55 MPH

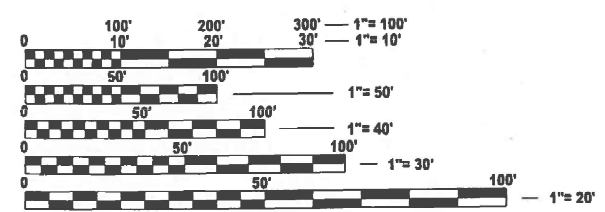
LOCATION #3:
WASHINGTON STREET OVER UP RR (SN: 049-0097)
ADT: 16,400 (2023)
SPEED LIMIT: 45 MPH

PROPOSED
HIGHWAY PLANS

FAP ROUTE VARIOUS
VARIOUS LOCATIONS
SECTION (10-VB) BP 2024
BRIDGE PAINTING
LAKE COUNTY

C-91-038-25

FOR PROJECT LOCATION MAPS
SEE SHEET 3



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62X49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct. 10 2024 IR

REGIONAL ENGINEER

December 6, 2024

ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT NO.	DESCRIPTION
1	COVER SHEET
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4	SUMMARY OF QUANTITIES
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10	LOCATION 2: DETOUR ROUTE
11 - 17	LOCATION 2: MAINTENANCE OF TRAFFIC PLAN
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34	ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

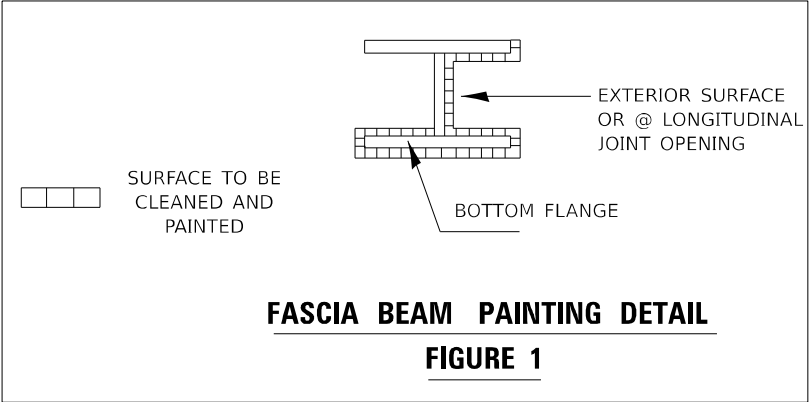
STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 M.P.H.
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 M.P.H. TO 55 M.P.H.
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 M.P.H. TO 55 M.P.H.
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 M.P.H.
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF FOX LAKE, AND CITY OF PARK CITY.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR THE ABUTMENTS IF ELECTRICAL JUNCTION BOXES AND ATTACHED CONDUITS ARE PRESENT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

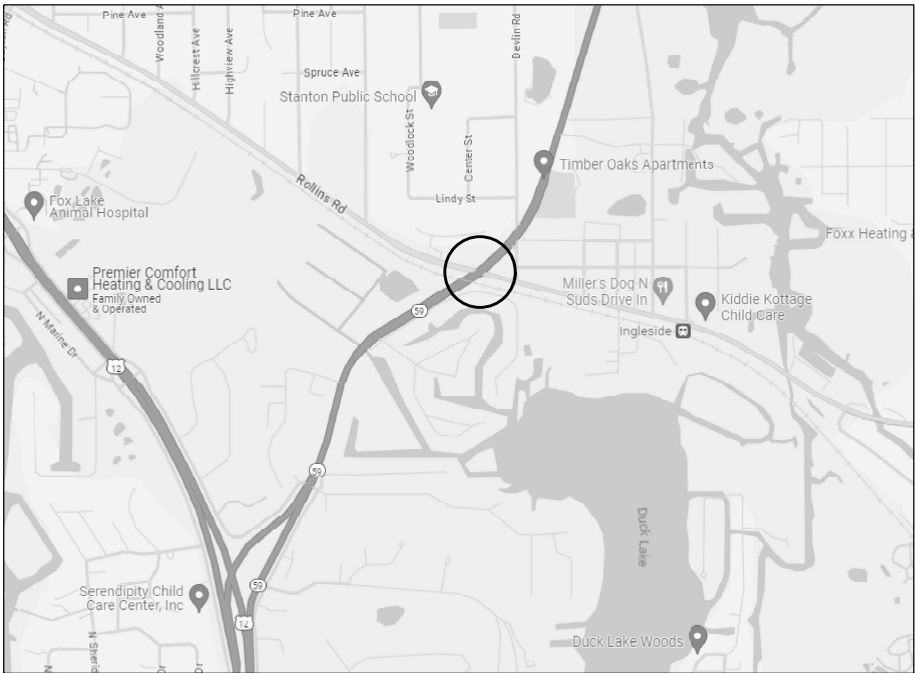
GENERAL PAINT NOTES

- CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS, AND DECK DRAINS) ATTACHED TO THE OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.
- LOCATION 1 (SN 049-0171): THE EXTERIOR SURFACES AND TOP AND BOTTOM FLANGE OF THE FASCIA BEAM OUTSIDE THE DECK JOINTS FOR THE LENGTH OF THE BRIDGE (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. BEARINGS AND ALL OTHER STRUCTURAL STEEL WITHIN 5 FEET (MEASURED ALONG THE BEAM) OF THE ABUTMENTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.
- LOCATIONS 2 & 3 (049-0016 & 049-0097): ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP-10.
- 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 FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, UNSELL NO 2. 5YR 3/4.
- A MINIMUM OF 2 AIR MONITORS AT EVERY LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE".
- SSPC QP1 AND SSPC QP2 CERTIFICATION IS REQUIRED FOR THIS CONTRACT.



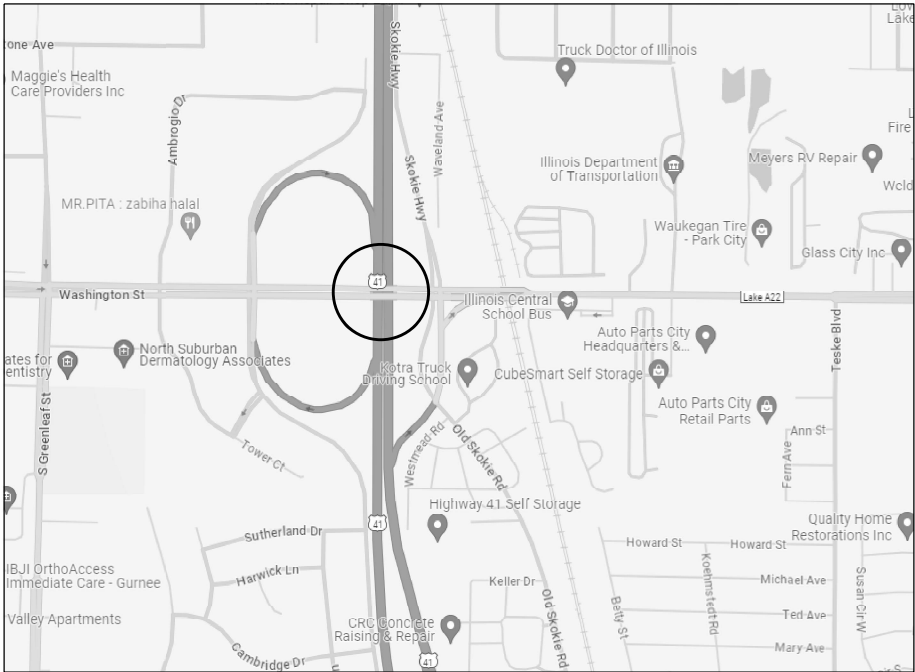
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		DRAWN -	REVISED -						VAR	(10-VB) BP 2024	LAKE	34	2	
		CHECKED -	REVISED -						CONTRACT NO. 62X49					
	PLOT DATE = 9/26/2024	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



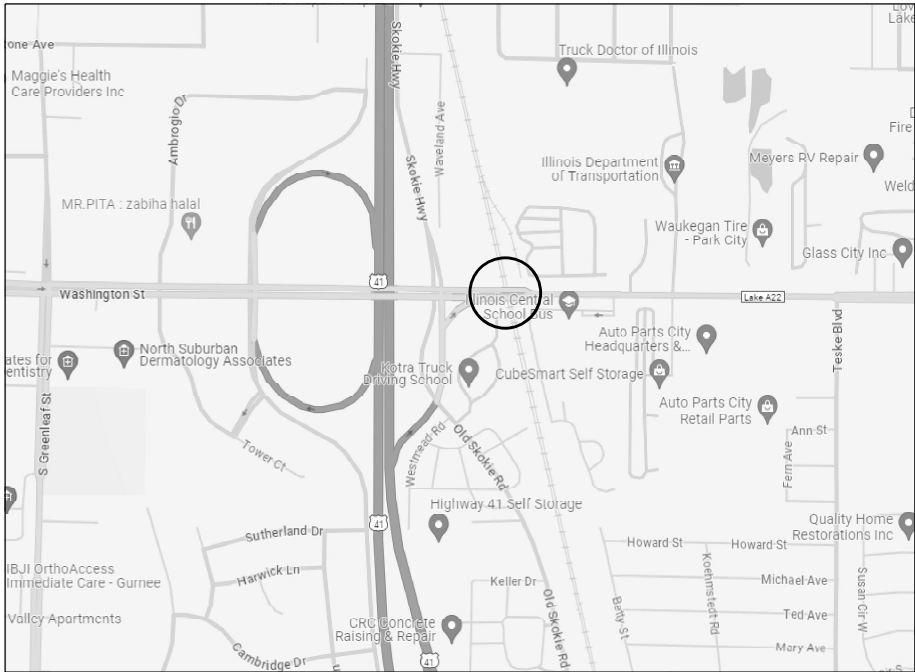
LOCATION #1

ILLINOIS ROUTE 59 OVER ROLLINS ROAD
SN 049-0171
VILLAGE OF FOX LAKE
ADT: 8,800 (2023)



LOCATION #2

WASHINGTON STREET OVER US 41 (SKOKIE HWY)
SN 049-0016
CITY OF PARK CITY
ADT: 30,500 (2023)



LOCATION #3

WASHINGTON STREET OVER UP RR
SN 049-0097
CITY OF PARK CITY
ADT: 16,400 (2023)

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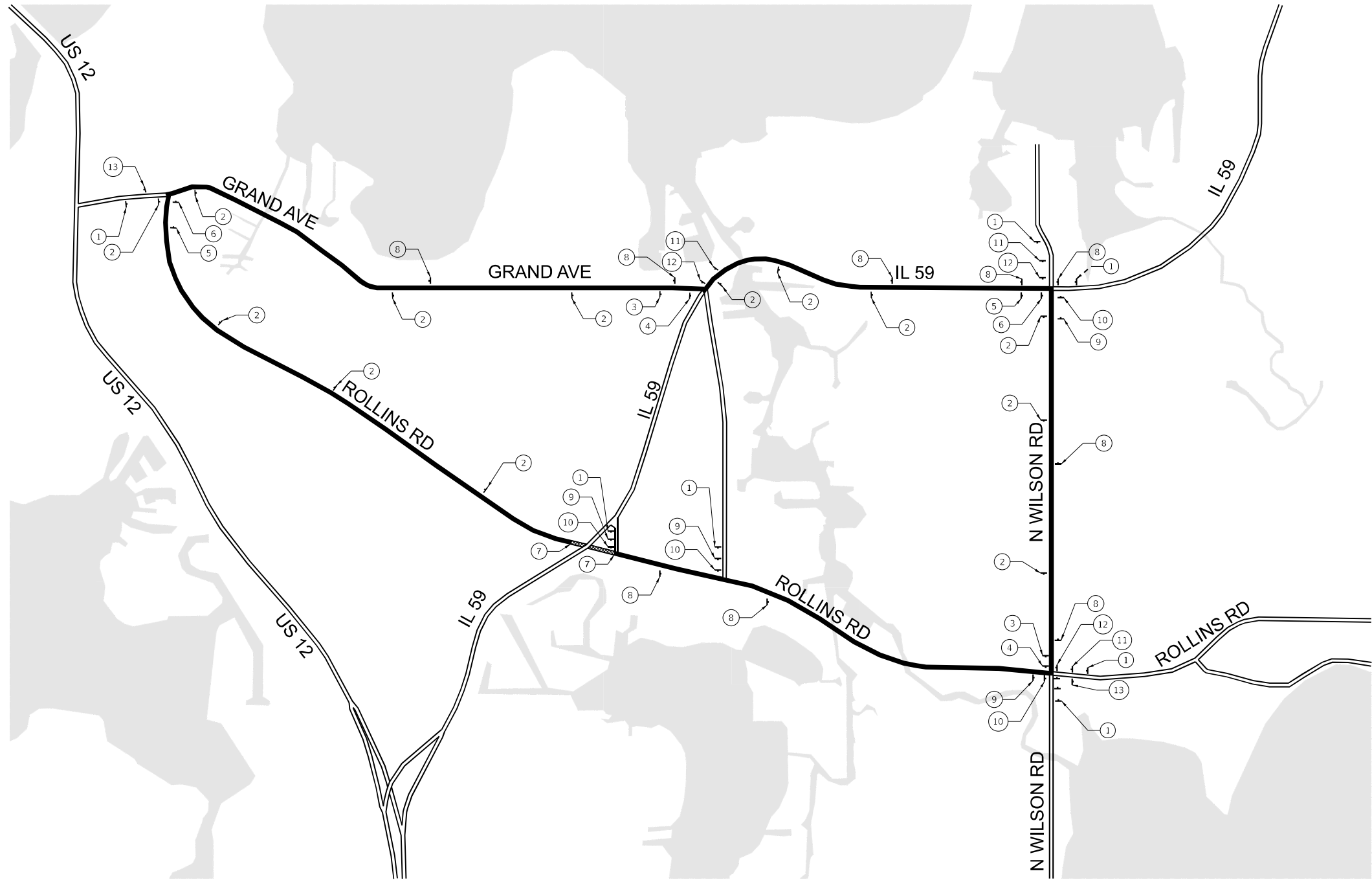
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			DRAWN	-	REVISED	-
			CHECKED	-	REVISED	-
	PLOT DATE	= 10/25/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS			
SCALE:	SHEET 2	OF 2	SHEETS
	STA.		TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	3
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

[illegible]



ROUTE MARKERS
 SPECIAL 24" X 18"
6" BLACK LETTERS ON ORANGE
REFLECTIVE BACKGROUND

ARROW SIGNS

	M4-9-3024
	M4-9-3024
	M4-9-3024
	M4-9-3024
	M4-9-3024

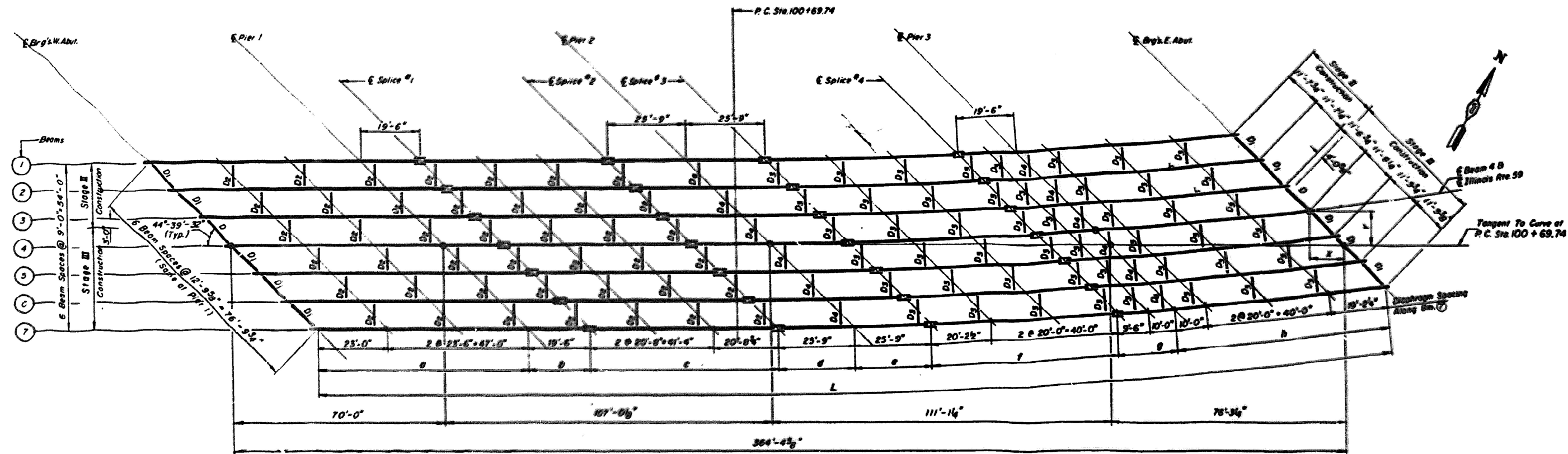
CARDINAL DIRECTION SIGNS

	M3-2-2412
	M3-4-2412

1  W20-2-48	2 	3 	4 	5 	6 
7  R11-2-4830 MOUNTED ON TYPE III BARRICADE	8 	9 	10 	11 	12 
					13  M4-8a-2418

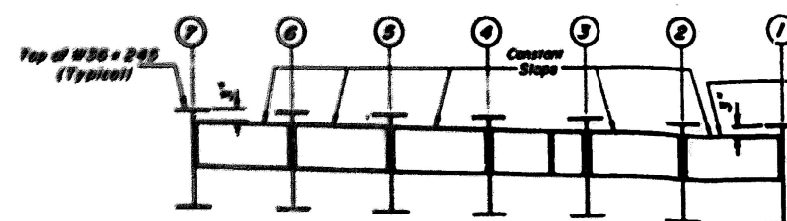
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		DRAWN -	REVISED -						VAR	(10-VB) BP 2024	LAKE	34	5
		CHECKED -	REVISED -						CONTRACT NO. 62X49				
	PLOT DATE = 10/25/2024	DATE -	REVISED -		SCALE:		SHEET 1 OF 25 SHEETS	STA. 0+00.00 TO STA. 0+00.00		ILLINOIS FED. AID PROJECT			

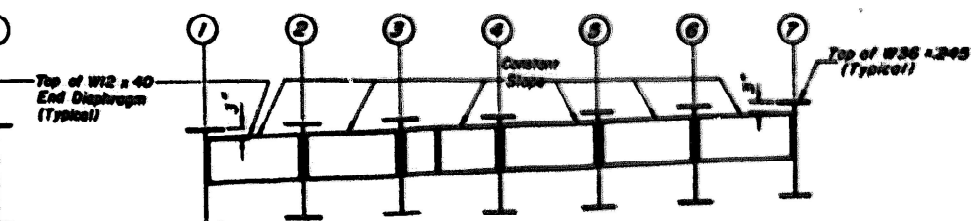


FRAMING PLAN

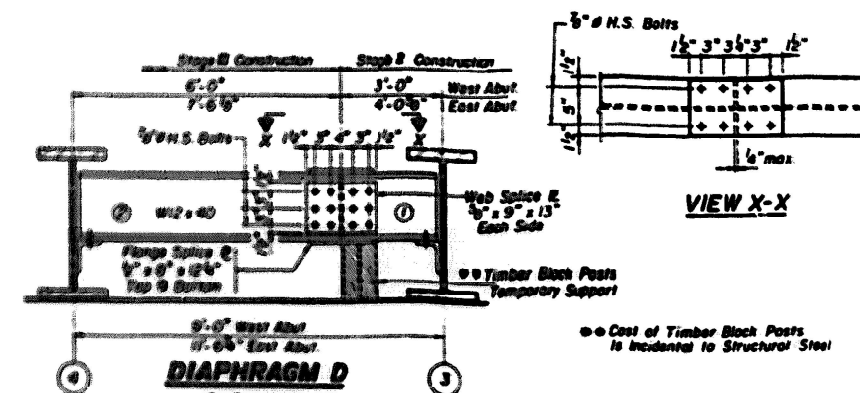
BEAM DIMENSIONS										
Beam	Radius	a	b	c	d	e	f	g	h	L
1	1610.02	70'-0"	19'-6"	61'-9"	25'-9"	25'-9"	63'-2 3/4"	19'-6"	70'-0 3/4"	356'-3 1/2"
2	1619.02	70'-0"	19'-6"	61'-9"	25'-9"	25'-9"	62'-8 5/8"	19'-6"	70'-0 1/4"	355'-6 1/2"
3	1628.02	70'-0"	19'-6"	61'-9"	25'-9"	25'-9"	62'-2 5/8"	19'-6"	70'-3"	354'-8 5/8"
4	1637.02	70'-0"	19'-6"	61'-8 5/8"	25'-9"	25'-9"	61'-8 3/8"	19'-6"	69'-11 5/8"	353'-10 5/8"
5	1646.02	70'-0"	19'-6"	61'-7 5/8"	25'-9"	25'-9"	61'-2 1/8"	19'-6"	69'-8 3/8"	353'-0 1/8"
6	1655.02	70'-0"	19'-6"	61'-6"	25'-9"	25'-9"	60'-8 1/4"	19'-6"	69'-5 1/4"	352'-1 1/2"
7	1664.02	70'-0"	19'-6"	61'-3 3/4"	25'-9"	25'-9"	60'-2 1/2"	19'-6"	69'-2 1/4"	351'-2 1/2"



END DIAPHRAGM ELEVATION - WEST ABUTMENT



END DIAPHRAGM ELEVATION - EAST ABUTMENT



VIEW X-X

FOR INFORMATION ONLY

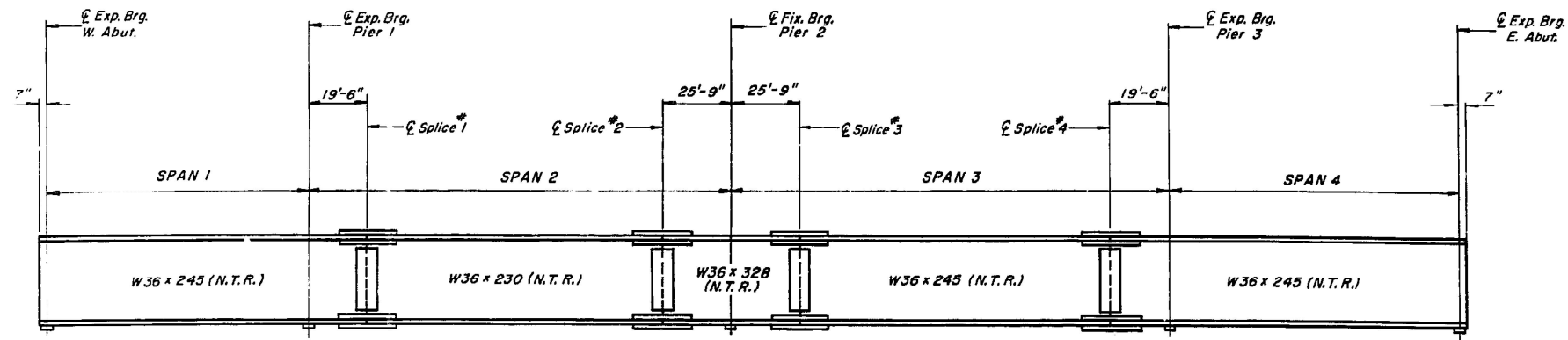
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
IL 59 OVER ROLLINS ROAD (SN 049-0171)

SCALE: SHEET 3 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

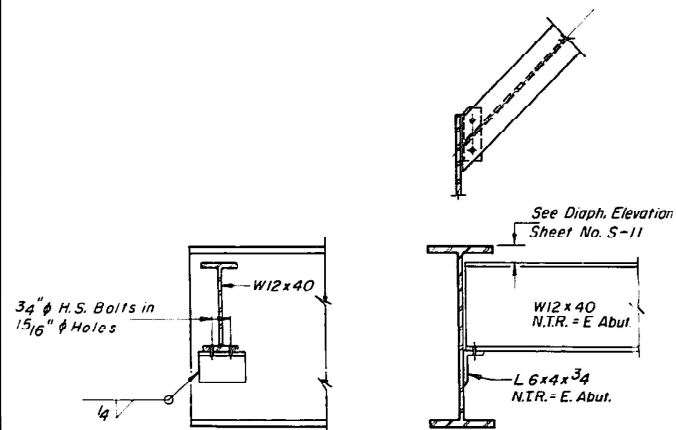
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VAR	(10-VB) BP 2024	LAKE	34	7
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

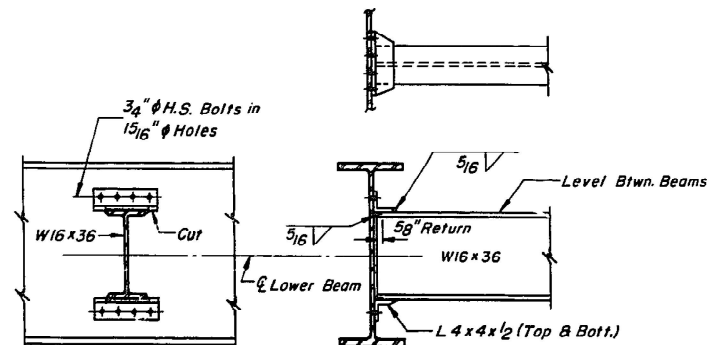


TYPICAL BEAM ELEVATION

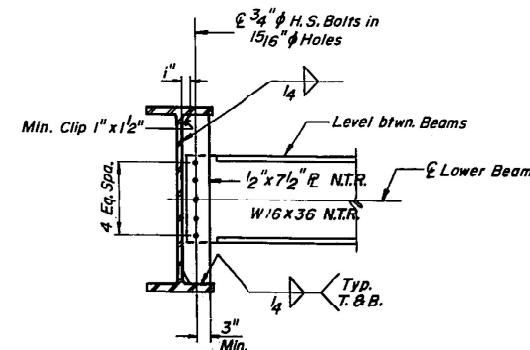
(N.T.R. Indicates Notch Toughness Requirements shall Apply.)
(All WF Beams shall be AASHTO M223 GR. 50 Steel)



END DIAPHRAGM D & D1

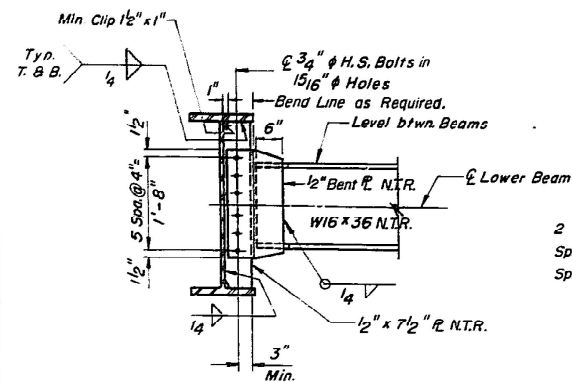


INTERIOR DIAPHRAGM D2

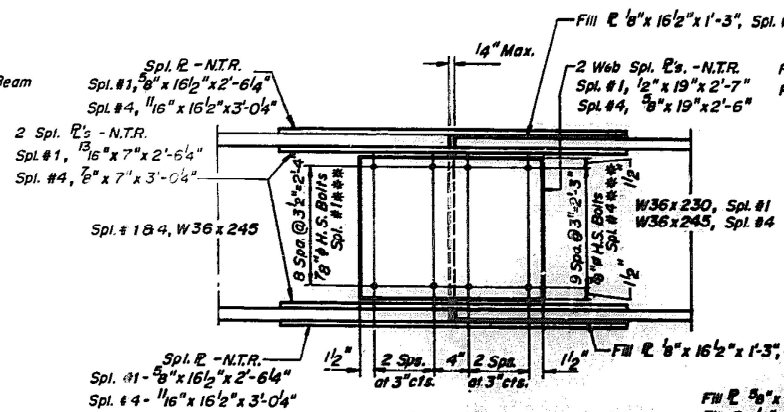
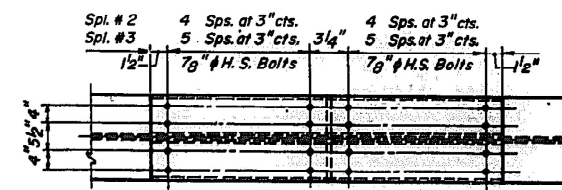
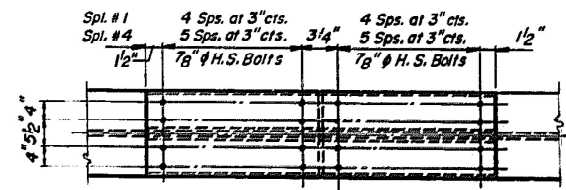


INTERIOR DIAPHRAGM D3

Note: Two Hardened Washers shall be Required over all 1 5/16 inch Holes in Diaphragm Connection.

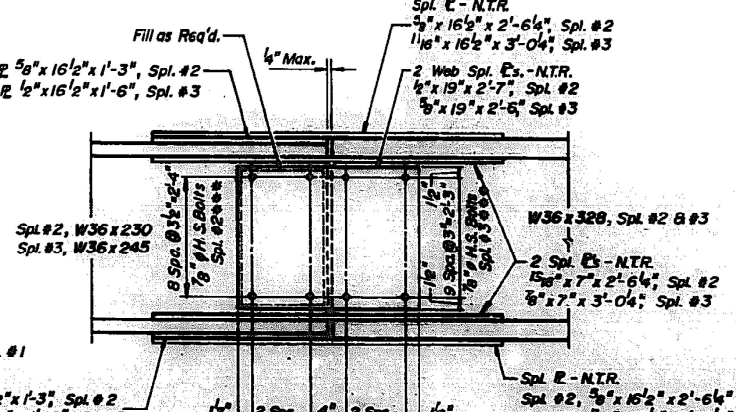


INTERIOR DIAPHRAGM D4



SPLICE #1 AND SPLICE #4

(Note: All splice materials except fill plates shall be AASHTO M223 GR. 50 steel.)



SPLICE #2 AND SPLICE #3

FOR INFORMATION ONLY

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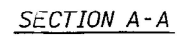
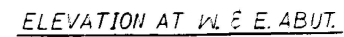
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
IL 59 OVER ROLLINS ROAD (SN 049-0171)

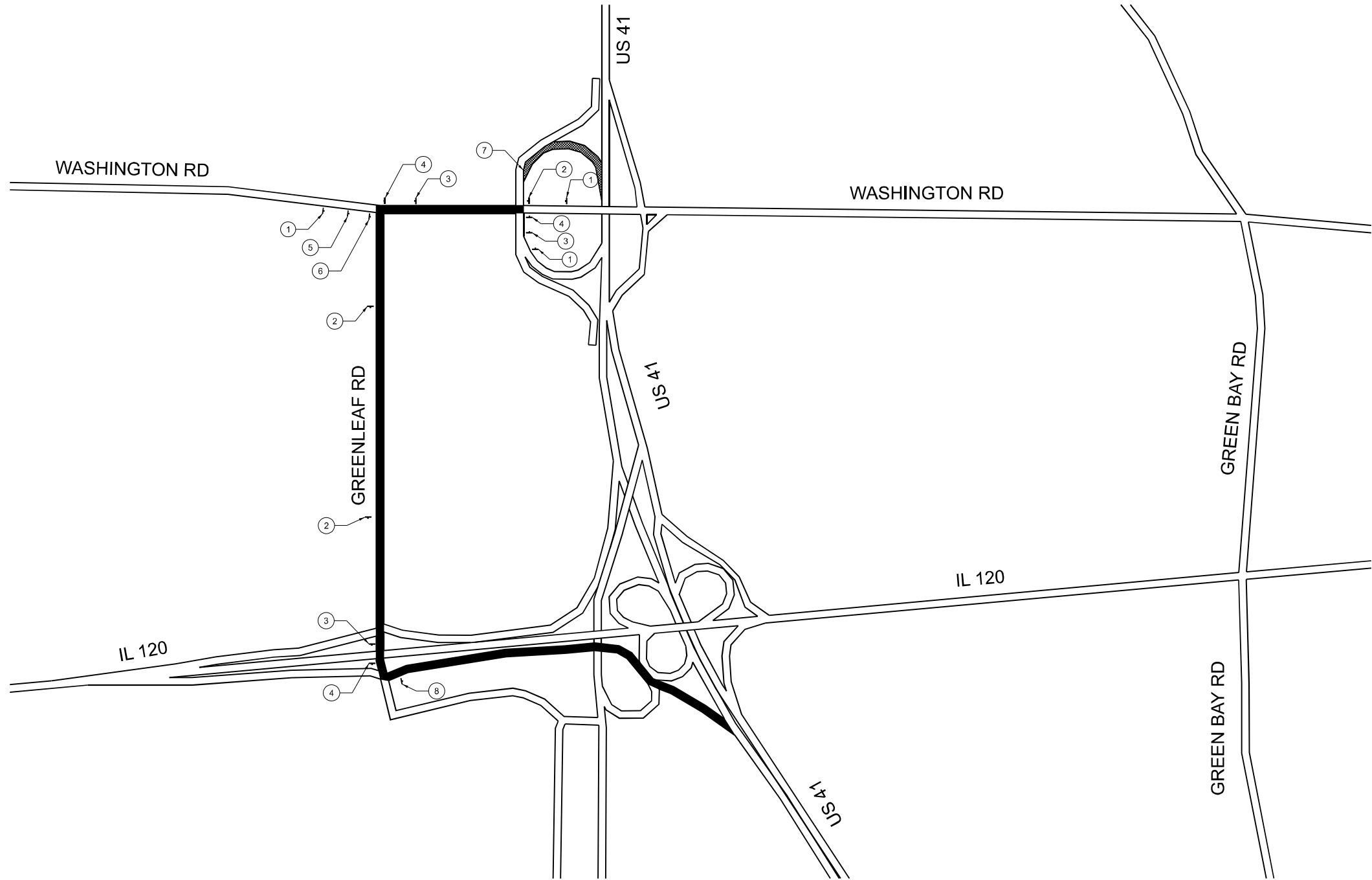
SCALE: SHEET 4 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	8
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



USER NAME = Jacob,Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS IL 59 OVER ROLLINS ROAD (SN 049-0171)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						VAR	(10-VB) BP 2024	LAKE	34	9
	CHECKED -	REVISED -		CONTRACT NO. 62X49								
PLOT DATE = 9/26/2024	DATE -	REVISED -		SCALE:	SHEET 5	OF 25 SHEETS	STA. 0+00.00	TO STA. 0+00.00	ILLINOIS FED. AID PROJECT			

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ROUTE MARKERS



M1-4-2424

ARROW SIGNS



M6-3-2115



M5-1L-2115



M6-1-2115



M5-1R-2115



M6-1-2115

CARDINAL DIRECTION SIGNS

SOUTH

M3-3-2412

DETOUR

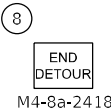
M4-8-2412



W20-2-48



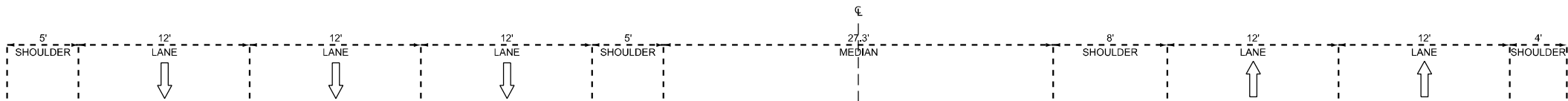
R11-2-4830
MOUNTED ON
TYPE III
BARRICADE



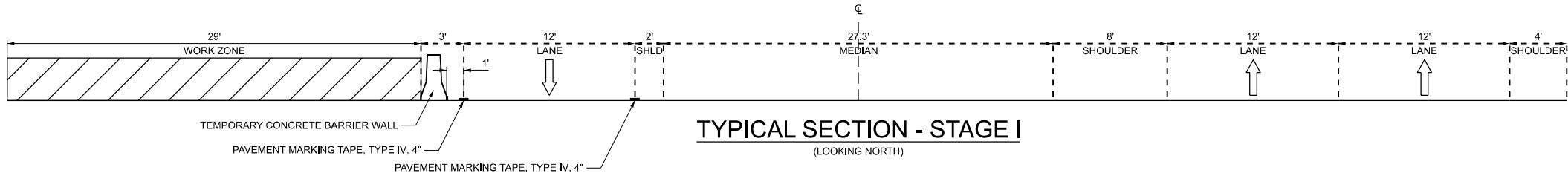
M4-8a-2418

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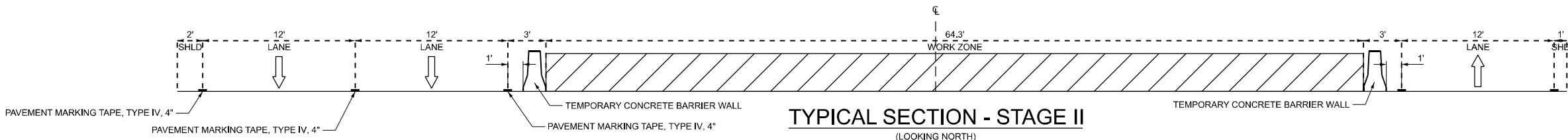
	USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE WASHINGTON STREET OVER US 41 (SN 049-0016)			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	(10-VB) BP 2024	LAKE	34	10
	PLOT DATE = 10/25/2024	CHECKED -	REVISED -		SCALE: SHEET 6 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00			CONTRACT NO. 62X49				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
(LOOKING NORTH)



TYPICAL SECTION - STAGE I
(LOOKING NORTH)



TYPICAL SECTION - STAGE II
(LOOKING NORTH)



TYPICAL SECTION - STAGE III
(LOOKING NORTH)

MODEL: Staging Typical Sections (Sheet)
FILE NAME: c:\p\work\pwr\roth\p\1025680D\103325-sh-typical.dgn

	USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS WASHINGTON STREET OVER US 41 (SN 049-0016)			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	(10-VB) BP 2024	LAKE	34	11
		CHECKED -	REVISED -					CONTRACT NO. 62X49				
	PLOT DATE = 9/14/2024	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET 7	OF 25 SHEETS	STA.	TO STA.			

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NOTE:
USE PAVEMENT BLACKOUT TAPE TO COVER CONFLICTING PAVEMENT MARKINGS.

NOTE:
USE PAVEMENT BLACKOUT TAPE TO COVER CONFLICTING PAVEMENT MARKINGS.

U.S. RTE 41

U.S. RTE 41

LEGEND

- WORK ZONE
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD

U.S. RTE 41

U.S. RTE 41

RAMP "C"

RAMP "C" CLOSED DURING STAGE 1

OLD SKOKIE ROAD "W"

OLD SKOKIE ROAD

USER NAME = Jacob,Roth

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE I
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: 1"=50'

SHEET 8

OF 25

SHEETS

STA. 560+00.00

TO STA. 590+00.00

F.A.P

RTE.

VAR

SECTION

(10-VB) BP 2024

COUNTY

LAKE

TOTAL

SHEETS

34

SHEET

NO.

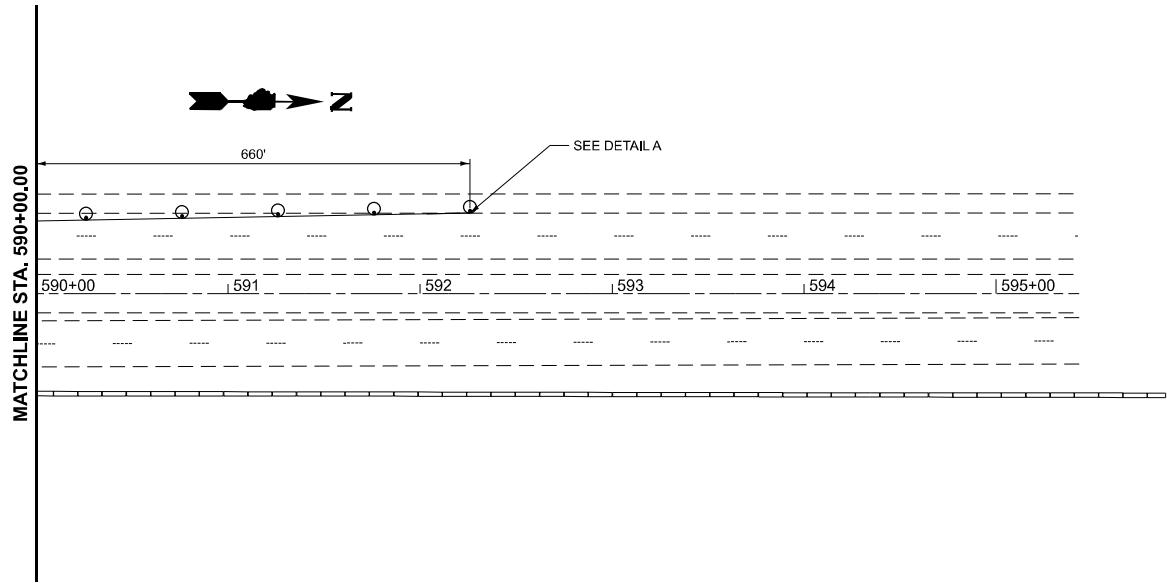
12

CONTRACT NO. 62X49

ILLINOIS

FED. AID PROJECT

MODEL: Stage 1 - Stage01-13 [Sheet]
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LEGEND

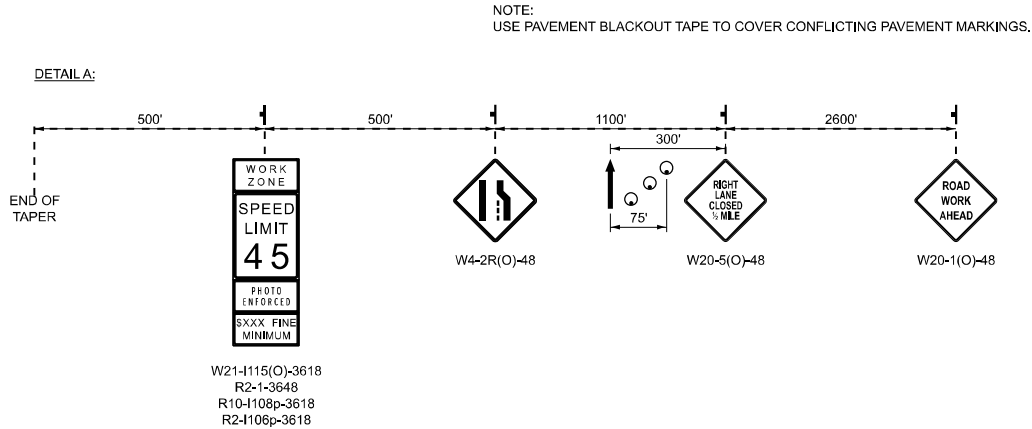
WORK ZONE

IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

TEMPORARY CONCRETE BARRIER

DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT

ARROW BOARD



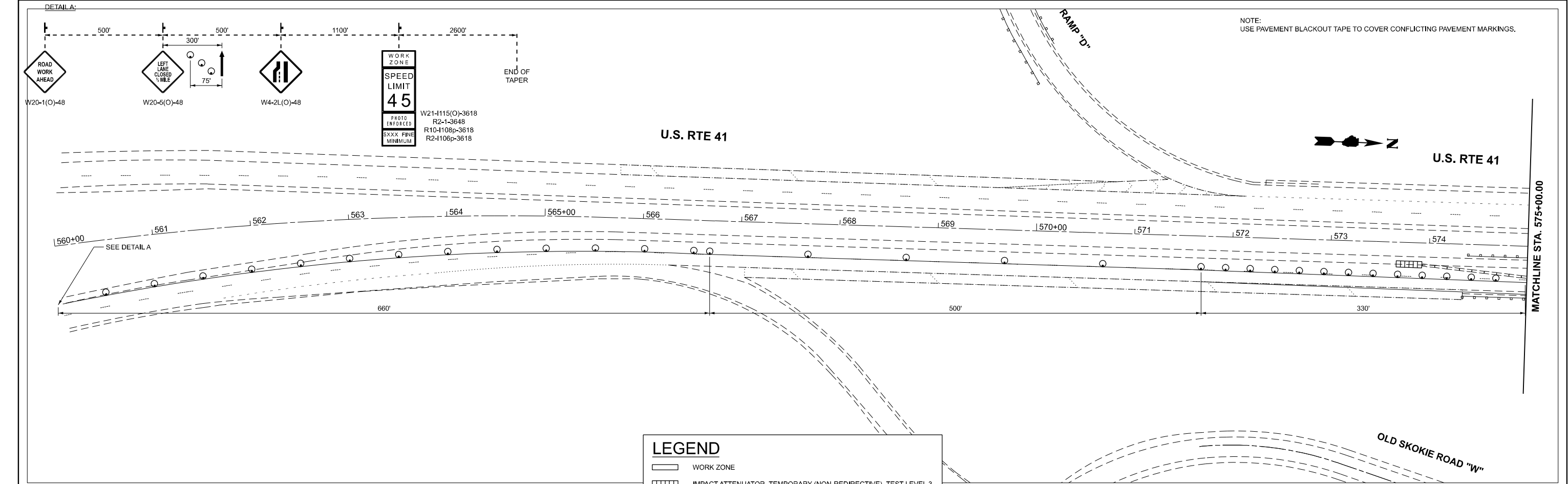
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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 10/25/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE I
WASHINGTON STREET OVER US 41 (SN 049-0016)

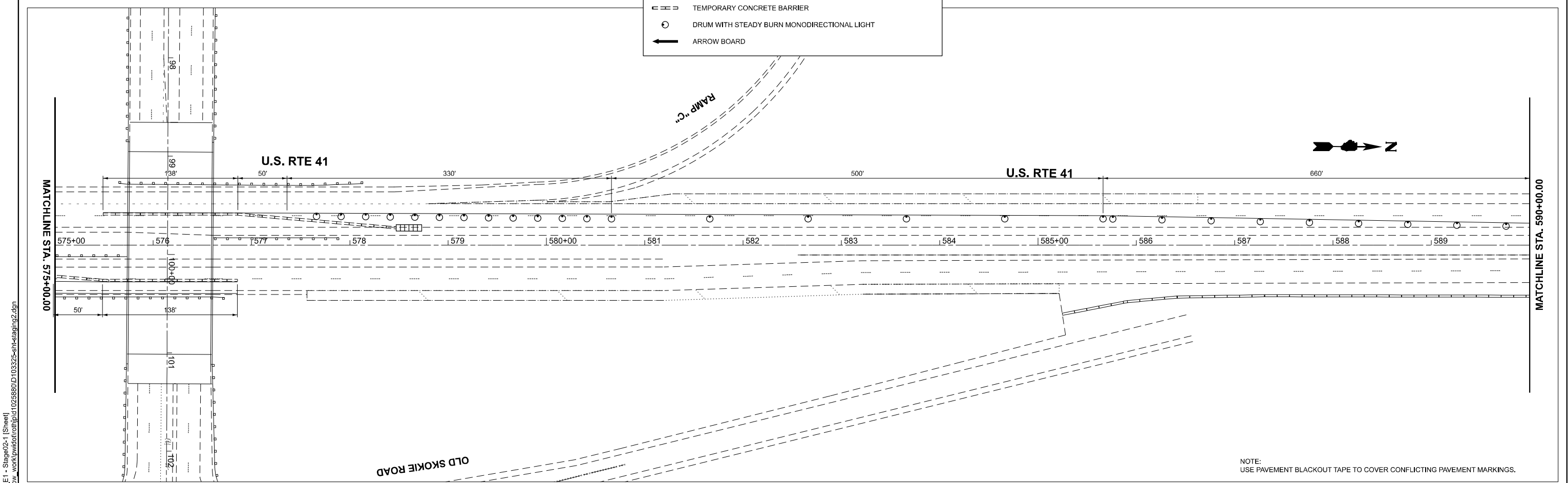
SCALE: 1"=50' SHEET 9 OF 25 SHEETS STA. 590+00.00 TO STA. 605+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	13
CONTRACT NO. 62X49				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- WORK ZONE
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD



MODEL: US41_E1 - Stage02-1 [Sheet]
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USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 9/25/2024	DATE -	REVISED -

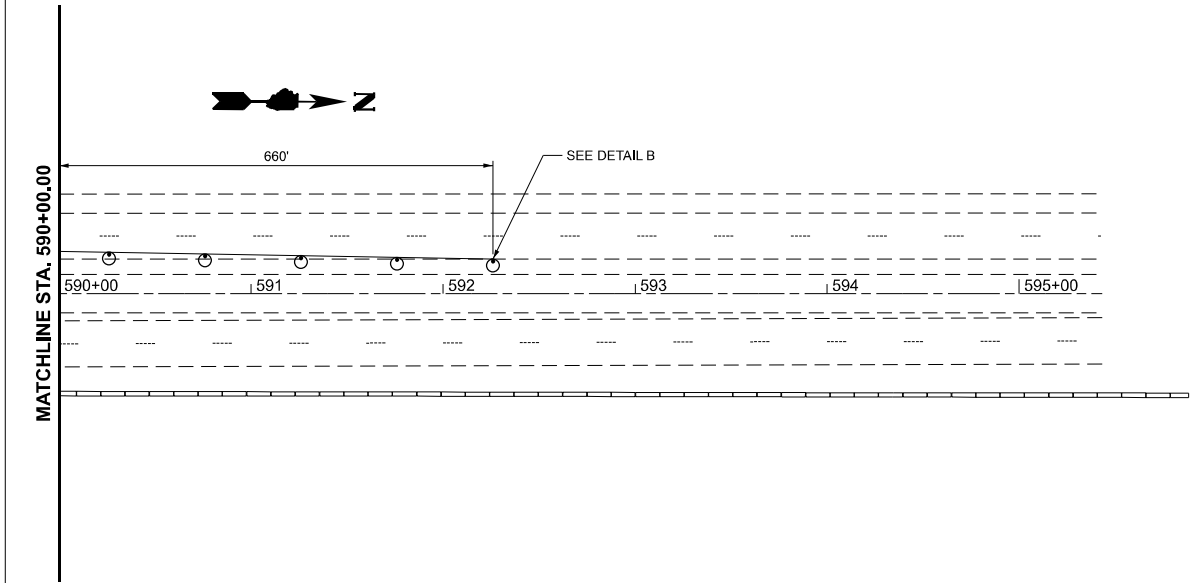
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE II
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: 1"=50' SHEET 10 OF 25 SHEETS STA. 560+00.00 TO STA. 590+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	14
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

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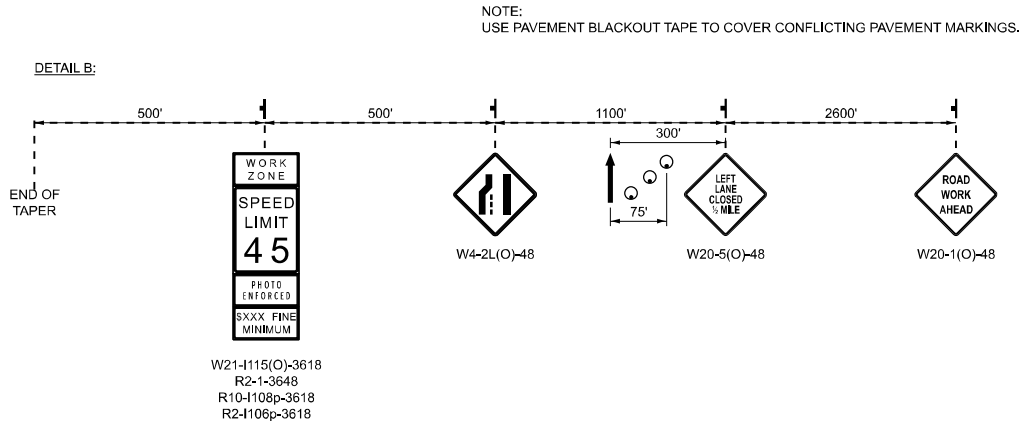
WORK ZONE

IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

TEMPORARY CONCRETE BARRIER

DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT

ARROW BOARD



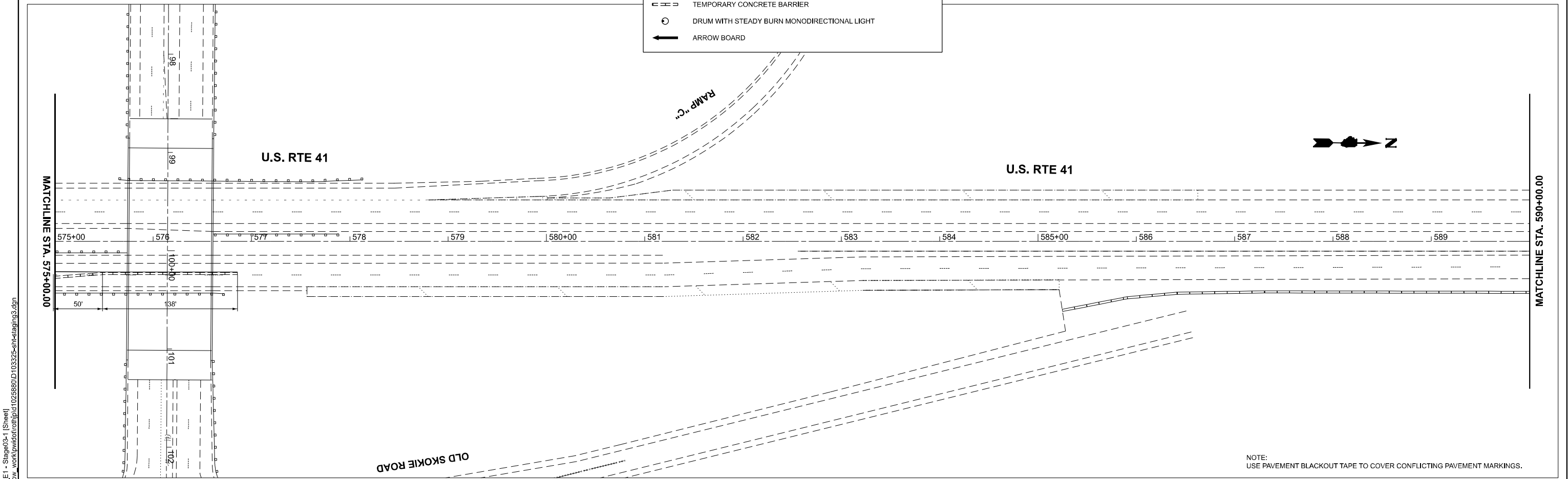
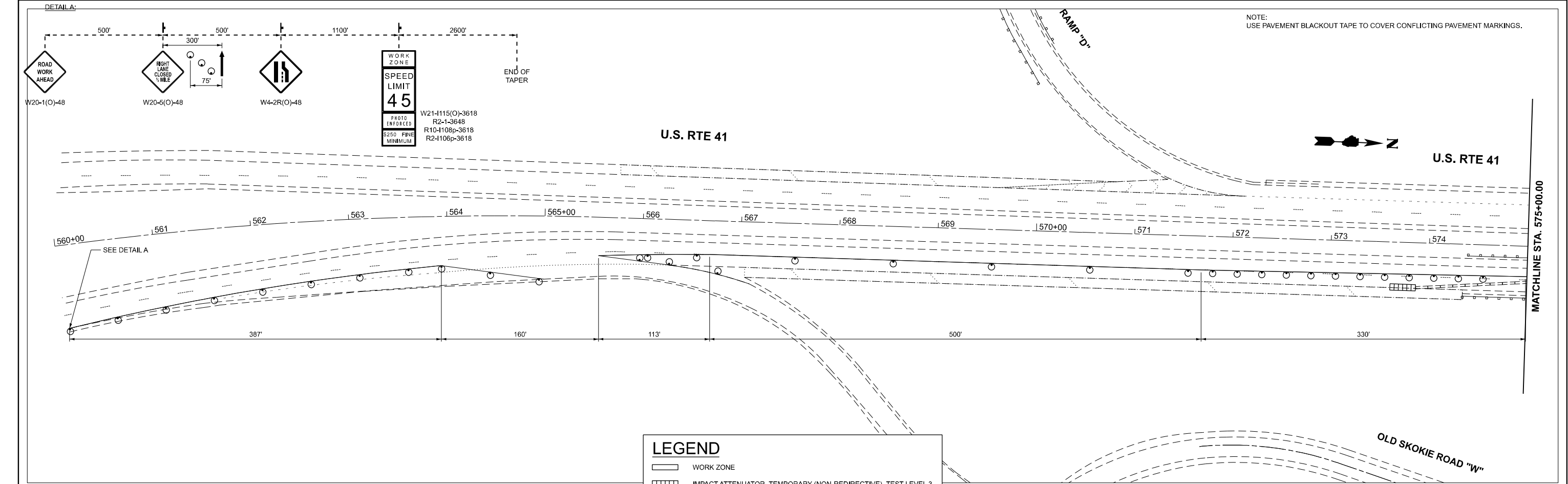
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE II
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: 1"=50' SHEET 11 OF 25 SHEETS STA. 590+00.00 TO STA. 605+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	15
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



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	DRAWN -	REVISED -
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PLOT DATE = 10/25/2024	DATE -	REVISED -

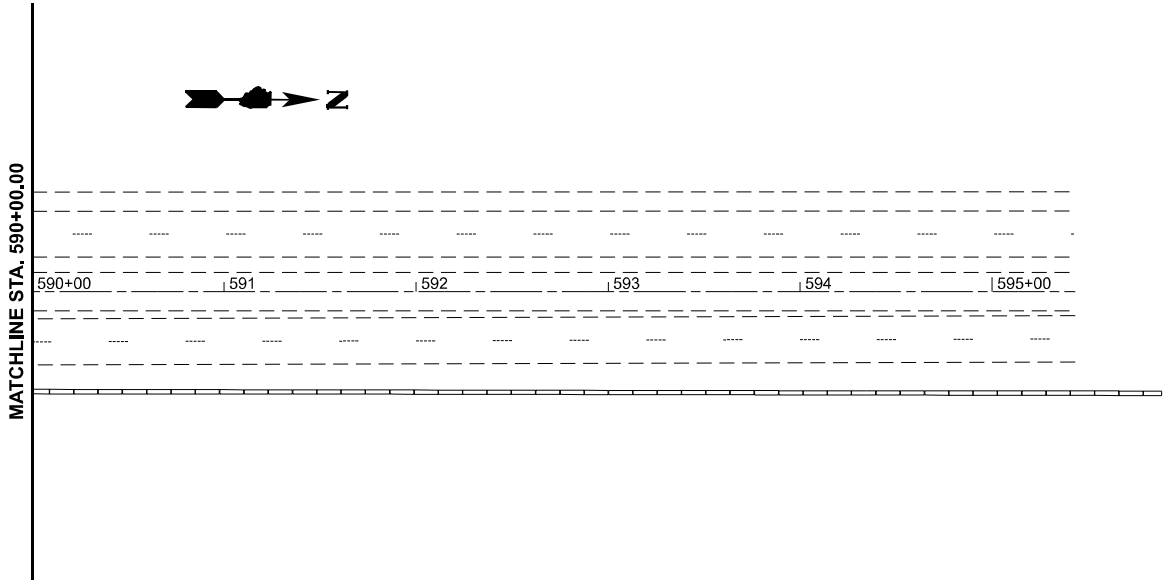
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE III
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: 1"=50' SHEET 12 OF 25 SHEETS STA. 560+00.00 TO STA. 590+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	16
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

NOTE:
USE PAVEMENT BLACKOUT TAPE TO COVER CONFLICTING PAVEMENT MARKINGS.



LEGEND

- | | |
|---|--|
|  | WORK ZONE |
|  | IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 |
|  | TEMPORARY CONCRETE BARRIER |
|  | DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT |
|  | ARROW BOARD |

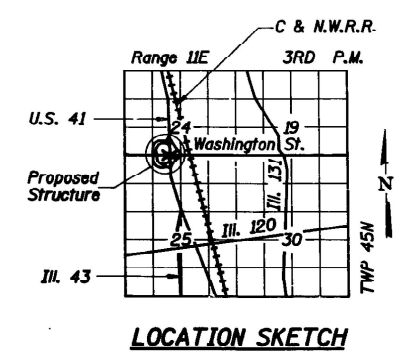
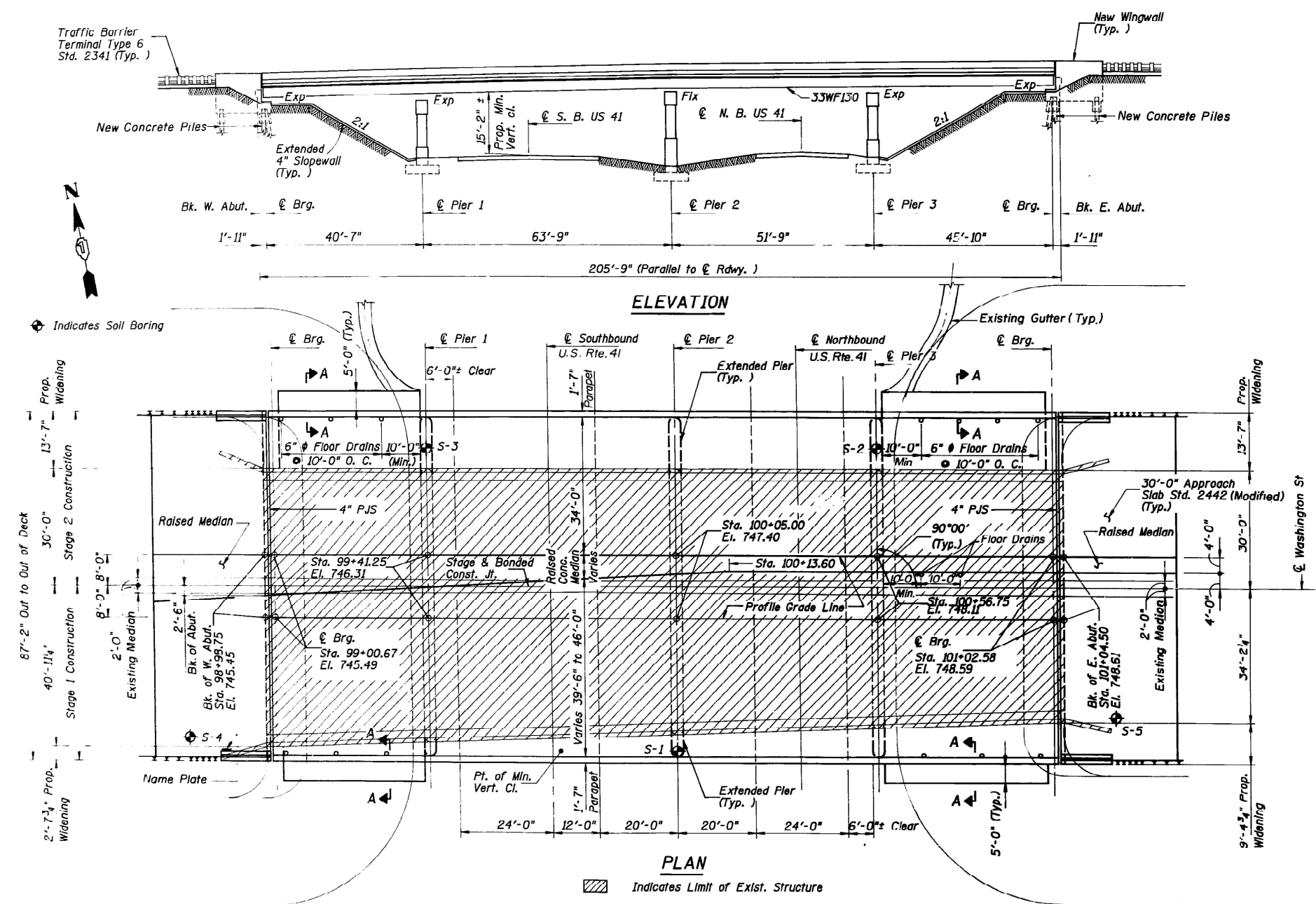
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE III
WASHINGTON STREET OVER US 41 (SN 049-0016)

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	17
		CONTRACT NO. 62X49		
ILLINOIS		FED. AID PROJECT		

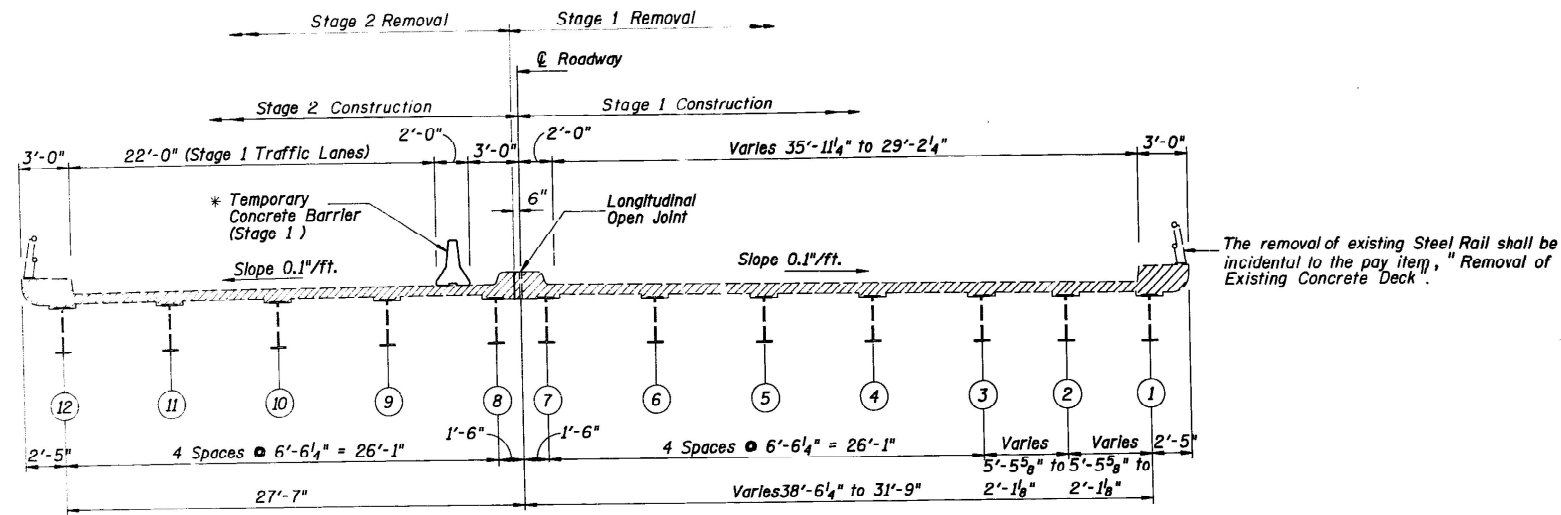
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MODEL: SN 049-0016-001 (Sheet)
FILE NAME: c:\pwworking\road\proj\1025680D\103325-shd-details.dgn



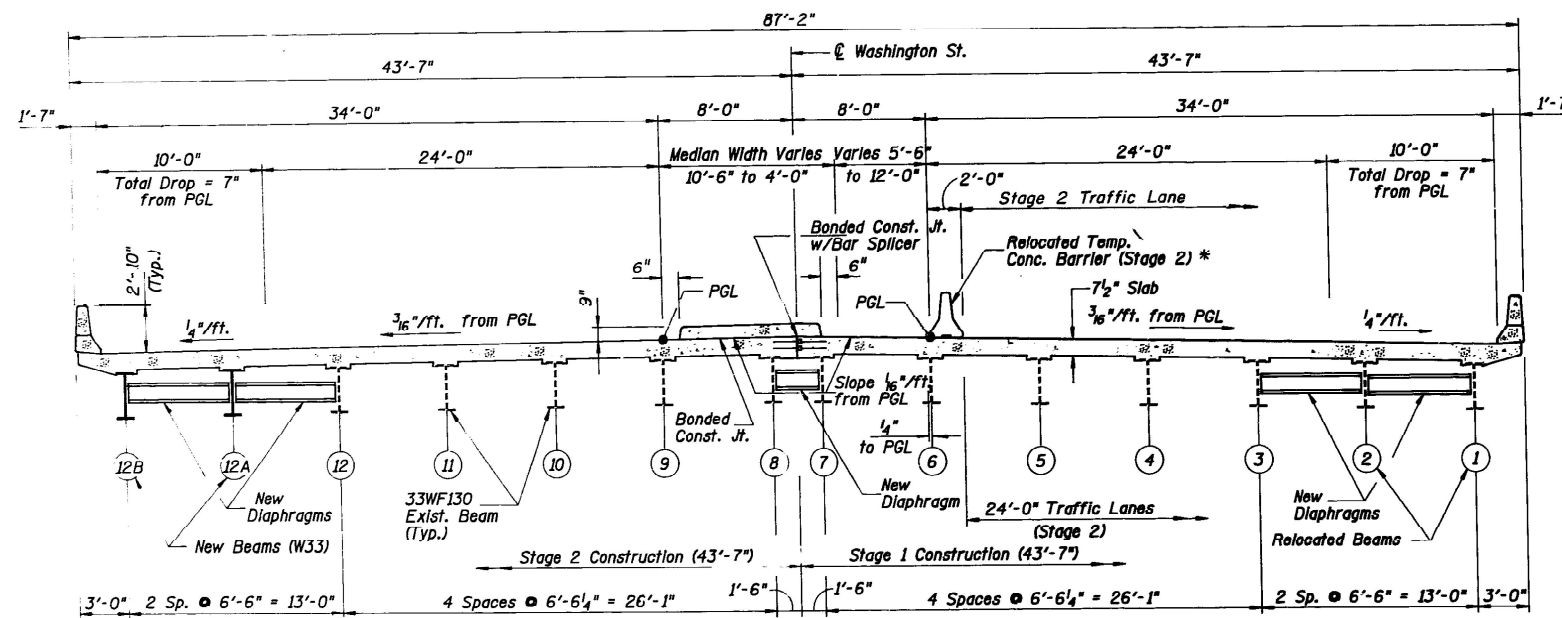
FOR INFORMATION ONLY

USER NAME = Jacob, Roth		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		EXISTING BRIDGE PLANS WASHINGTON STREET OVER US 41 (SN 049-0016)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	(10-VB) BP 2024	LAKE	34	18
		CHECKED -	REVISED -					CONTRACT NO. 62X49				
PLOT DATE = 10/25/2024		DATE -	REVISED -			SCALE: SHEET 14 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00		ILLINOIS FED. AID PROJECT				



* See Sheet S15 For Details
See Roadway Plans for Quantity

**EXISTING CROSS SECTION
LOOKING EAST**



**PROPOSED CROSS SECTION
LOOKING EAST**

Note : Construct Raised Median in Stage 2.

FOR INFORMATION ONLY

MODEL: SN 049-0016-002 (Sheet)
FILE NAME: c:\p\work\road\trb\p\1025880D\103325-sh-detailed.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

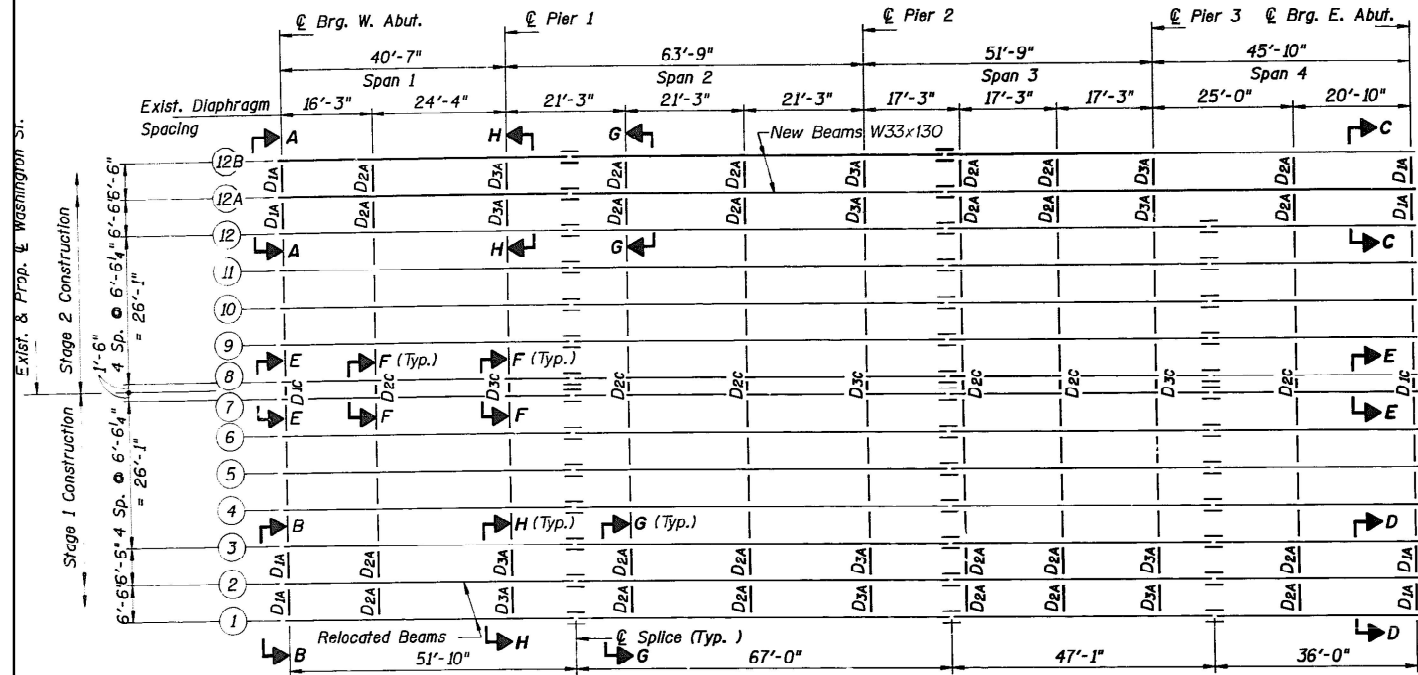
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: SHEET 15 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

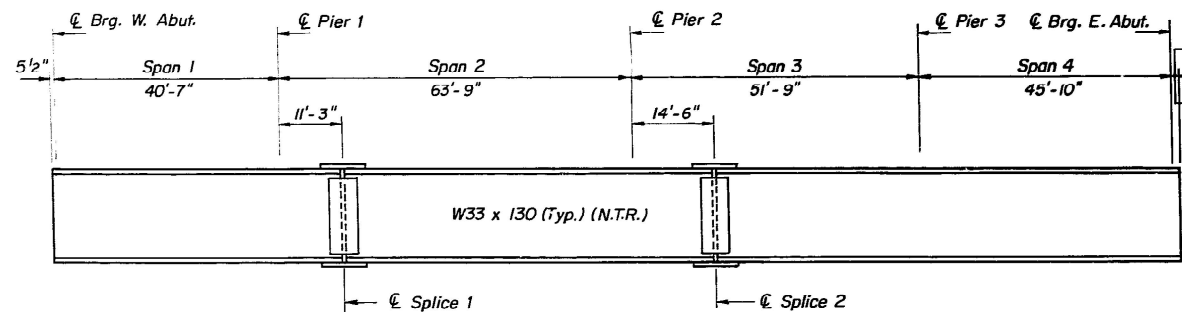
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	19
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

MODEL: SN 049-0016-003 (Sheet)
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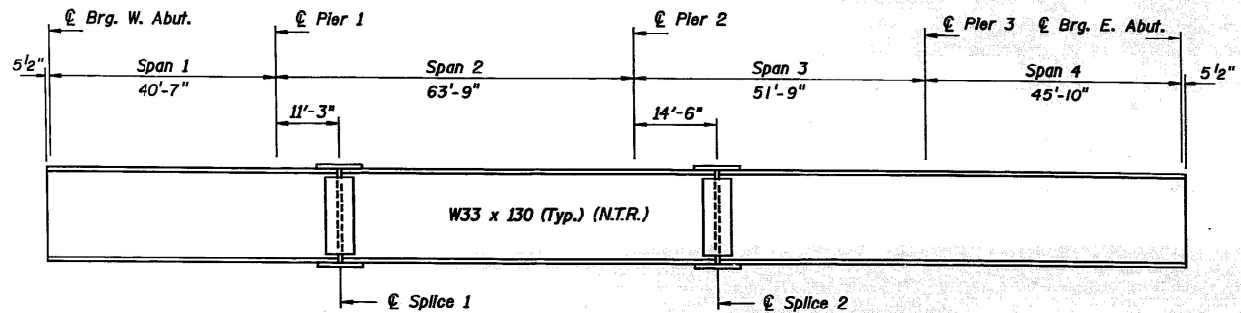


FRAMING PLAN

(New Diaphragms Between Beams 1 & 2, 2 & 3, 7 & 8, 12 & 12A, 12A & 12B)

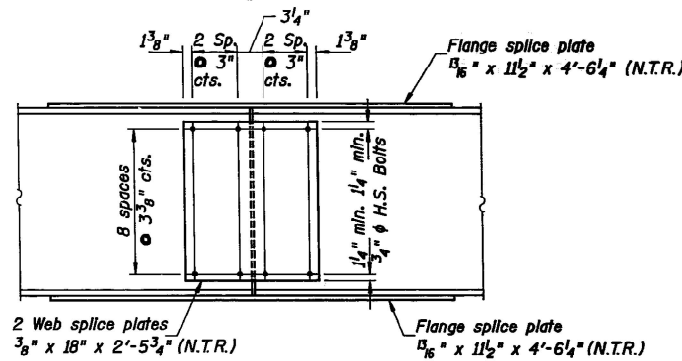
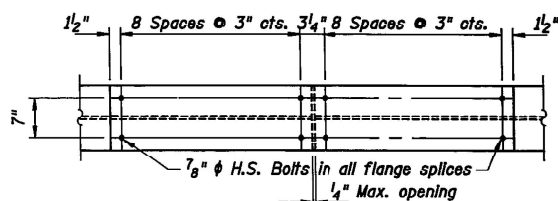


ELEVATION - RELOCATED BEAMS 1 & 2



TYPICAL BEAM ELEVATION - BEAMS 12A & 12B

Beams shall be AASHTO M270 Grade 36



SPLICE # 1 & 2

(No. Required = 4)

FOR INFORMATION ONLY

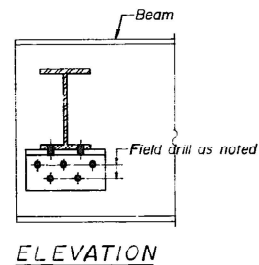
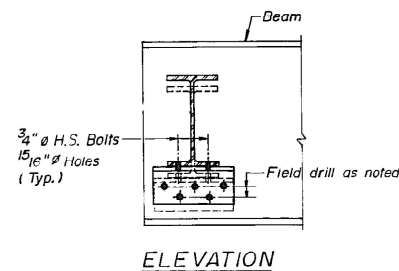
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

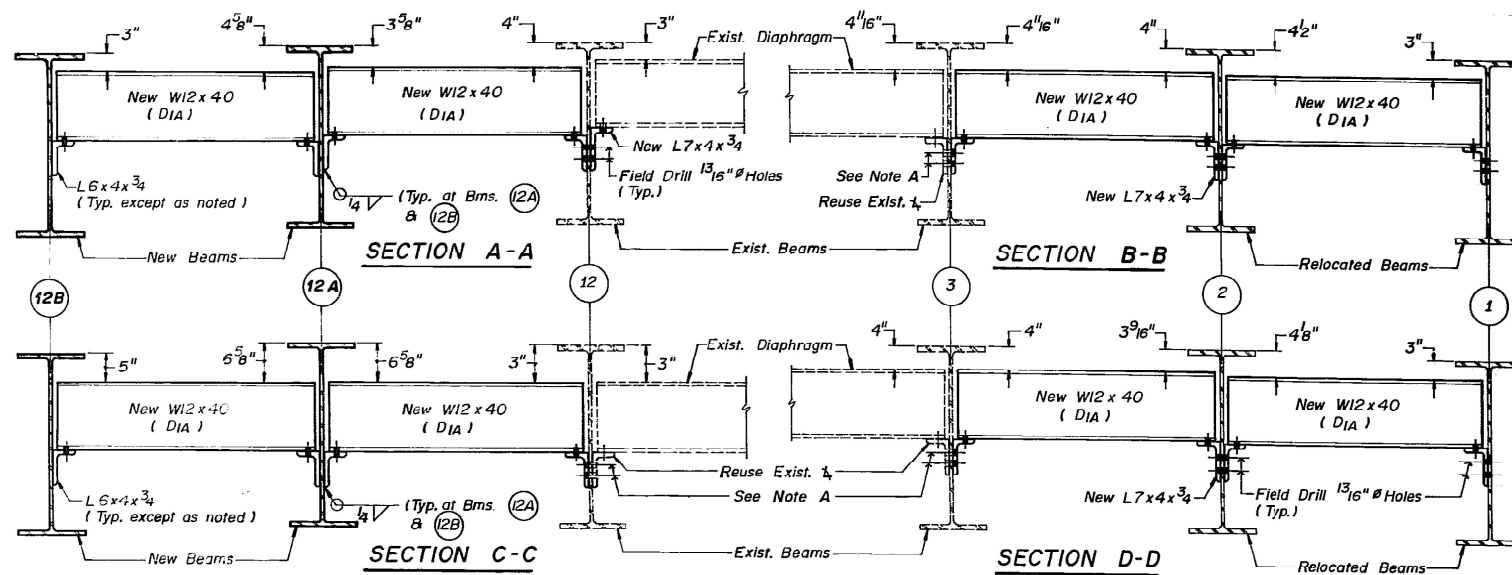
EXISTING BRIDGE PLANS
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE: SHEET 16 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	20
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

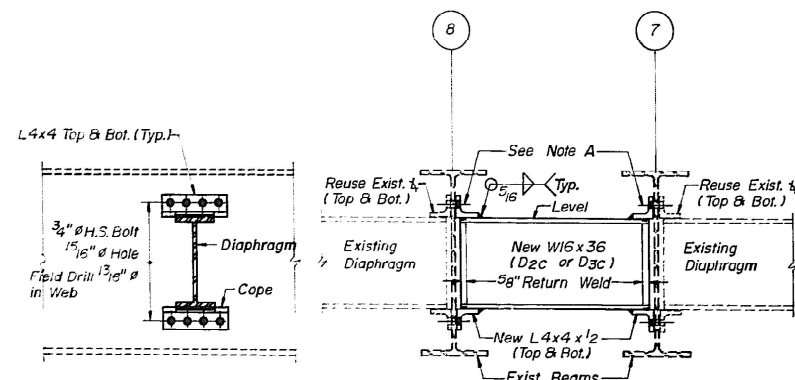


NOTE A
Remove Existing Rivets and Reuse Existing Angles. Field Drill 1 1/2 inch in Vertical Leg of new connection Angles.

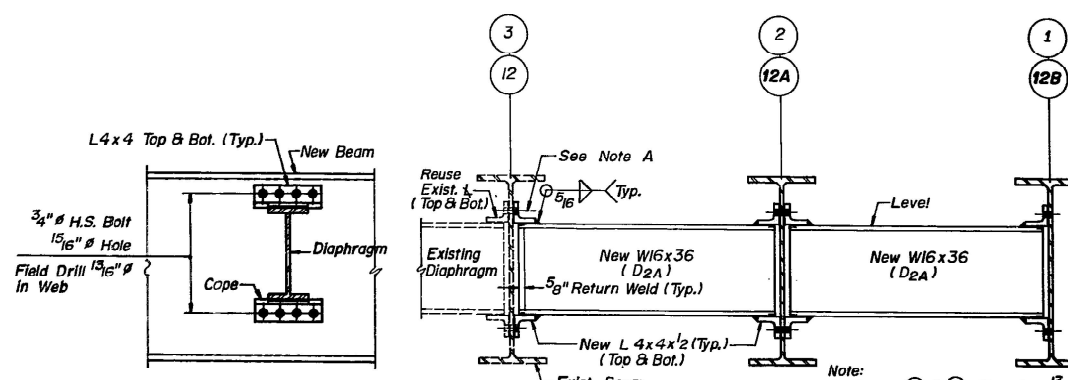


EAST & WEST ABUTMENTS END DIAPHRAGM D1A (No. Required = 8)

Note: Two hardened washers shall be required over all 5/8 inch holes. All contact surfaces of joints shall be free of paint or lacquer.



ELEVATION

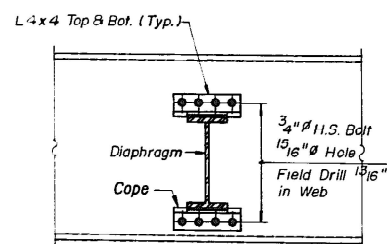


ELEVATION

SECTION G-G

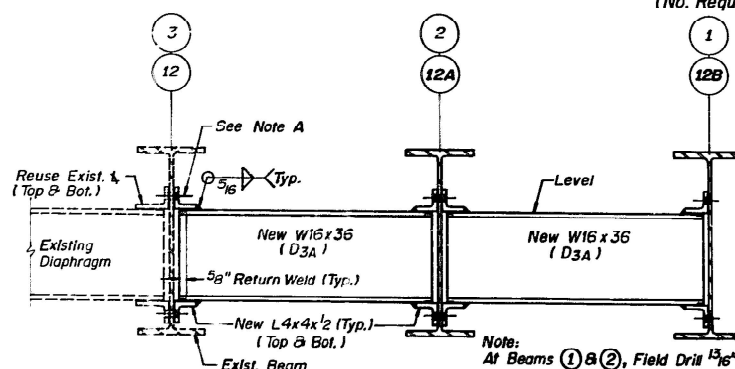
Note: At Beams ① & ②, Field Drill 1 1/2 inch Holes in Web & Vertical Leg of new connection angles and connect new Diaphragm by bolting.

PIERS & INTERMEDIATE DIAPHRAGM D2c & D3c (No. Required = 9)



ELEVATION

INTERMEDIATE DIAPHRAGM D2A (No. Required = 24)

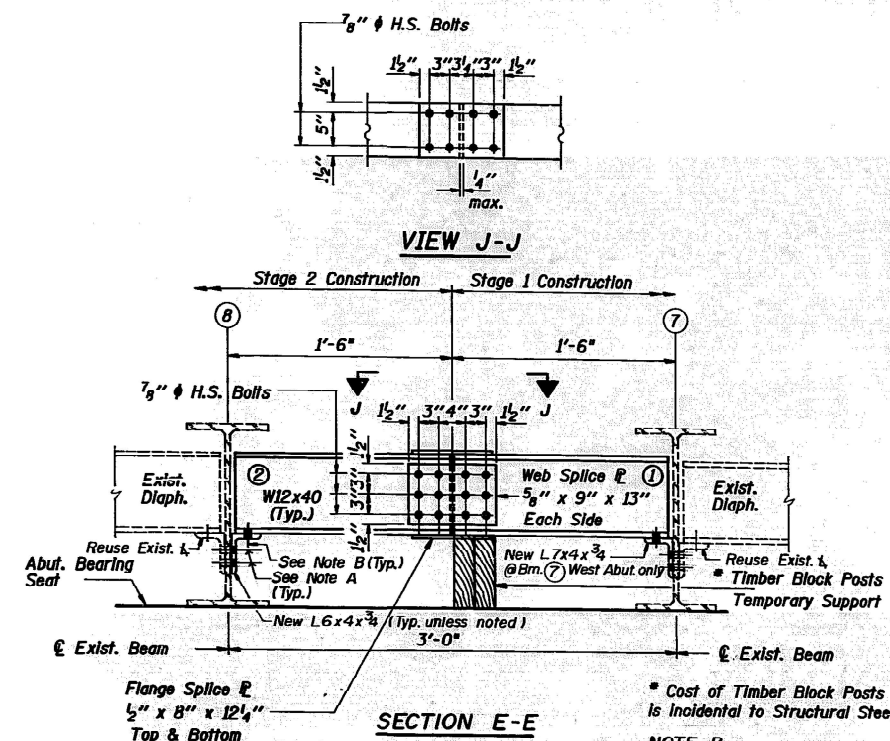


SECTION H-H

Note: At Beams ① & ②, Field Drill 1 1/2 inch Holes in Web & Vertical Leg of new connection angles and connect new Diaphragm by bolting.

PIERS DIAPHRAGM D3A (No. Required = 12)

FOR INFORMATION ONLY



* Cost of Timber Block Posts is Incidental to Structural Steel.

NOTE B
3/4 inch H.S. Bolts - 1 1/2 inch Holes.

DIAPHRAGM D1c (2 Required)

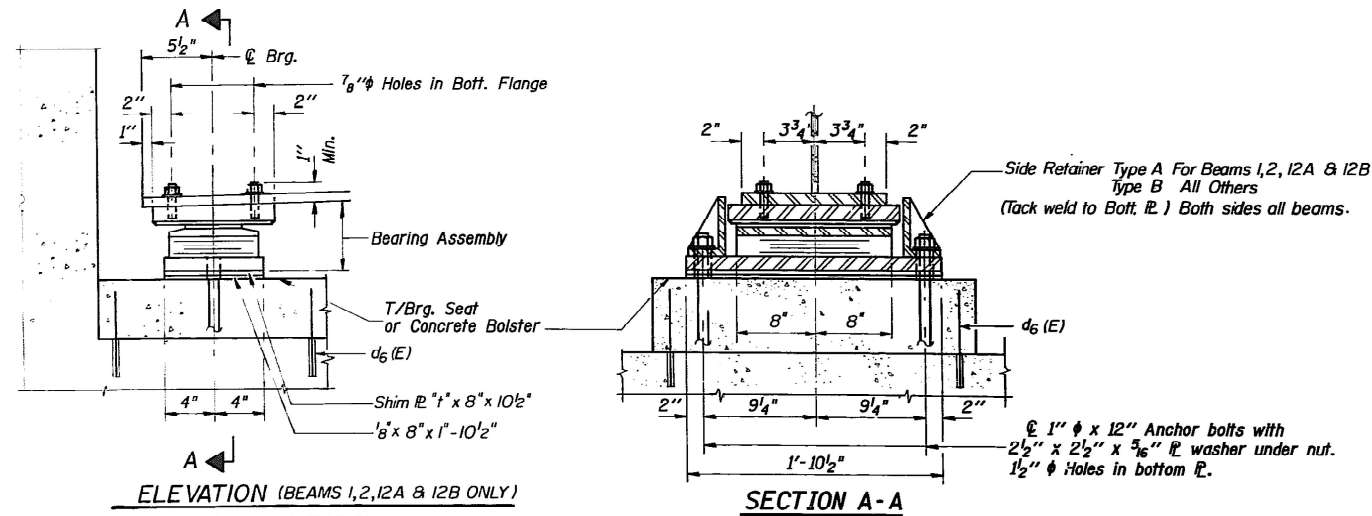
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
WASHINGTON STREET OVER US 41 (SN 049-0016)

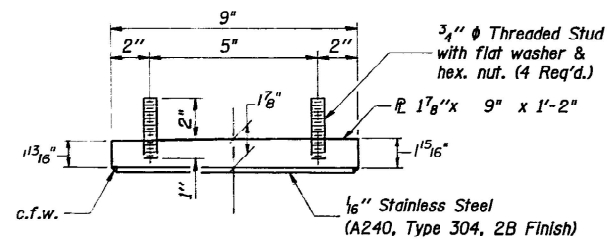
SCALE: SHEET 17 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	21
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				

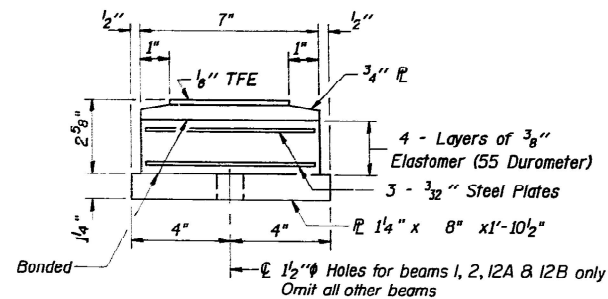


TYPE II TFE ELASTOMERIC EXP. BRG.

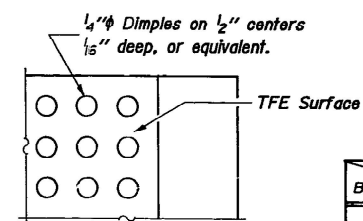
NO. REQ'D. = 28



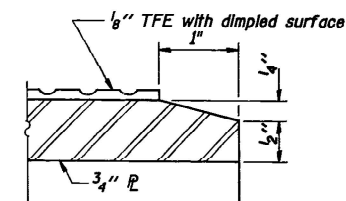
TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY



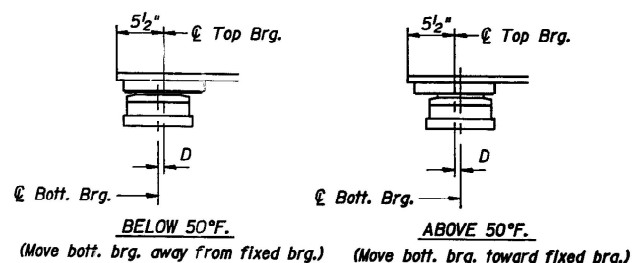
PLAN-TFE SURFACE



SECTION THRU TFE

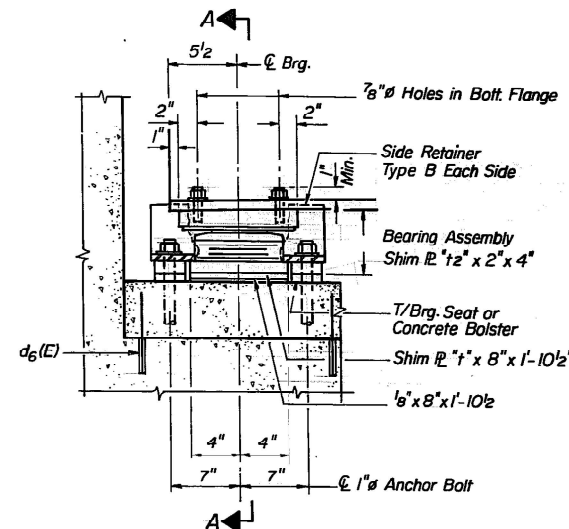
Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



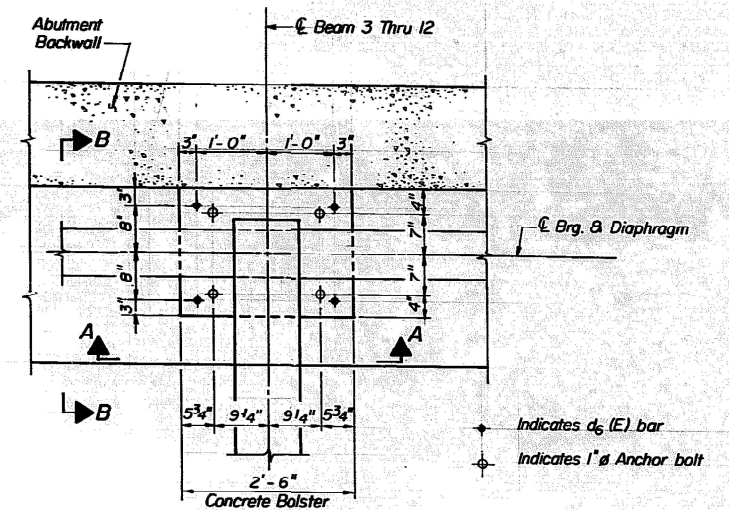
SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



SECTION B-B

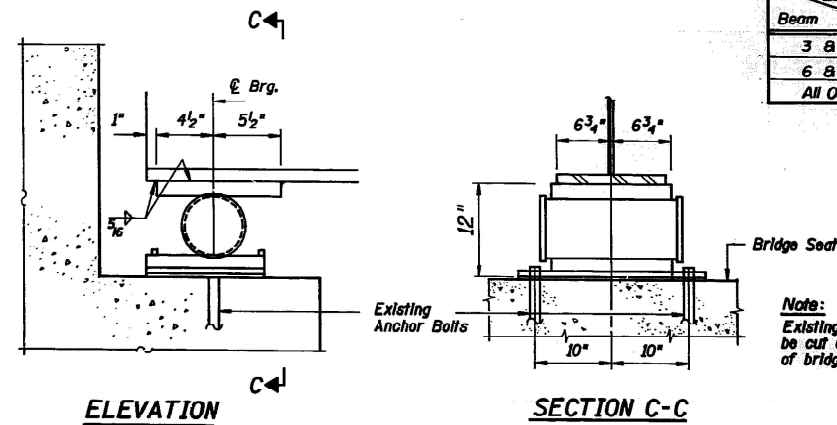
(Typ. for Beams 3 thru 12)



DETAIL "B"

Anchor Bolt Layout for Beams 3 thru 12

Shim Plate "t"			
Location	E. Abut.	W. Abut.	
3 & 12	1 13/16	1 3/8	
6 & 9	1 3/8	1 15/16	
All Others	1 3/8	1 3/8	



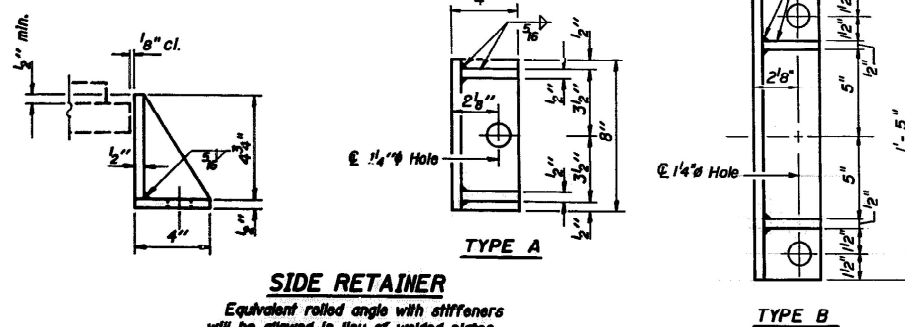
ELEVATION

SECTION C-C

Note: Existing anchor bolts to be cut off flush at top of bridge seat.

EXISTING BEARING AT ABUTMENTS

Note: Remove existing bearings on Beams 1 thru 12 including top plate using Air Arc Method. Grind smooth all weld material remaining on the bottom flange after removing top plate. Cost included in Jacking Existing Structure.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

Type B No. Required = 40

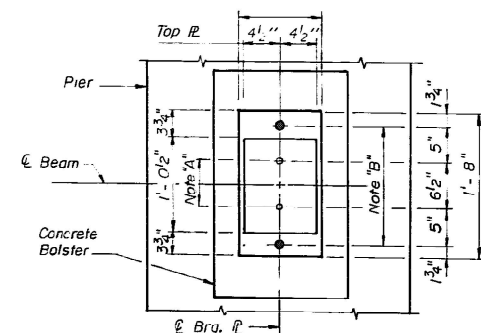
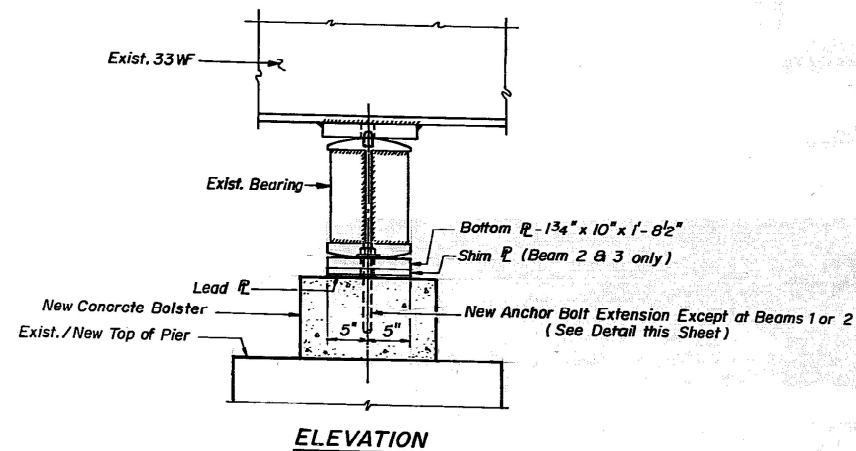
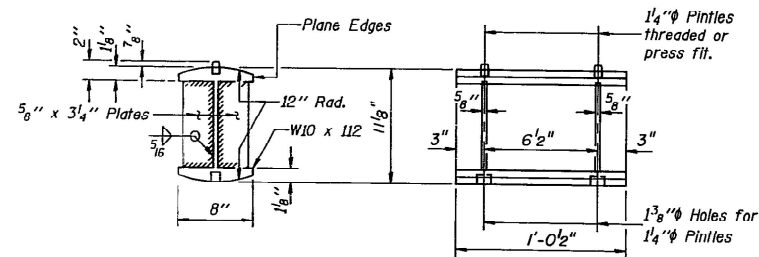
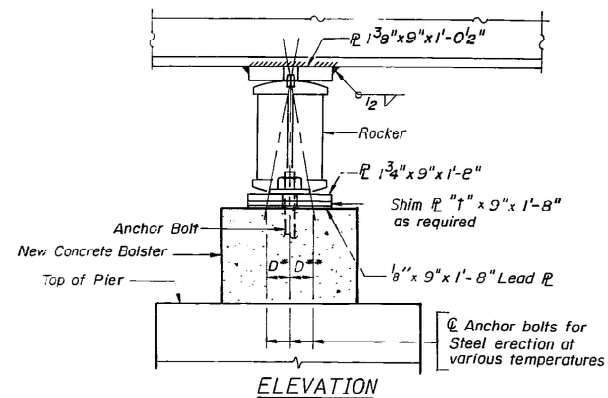
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
WASHINGTON STREET OVER US 41 (SN 049-0016)

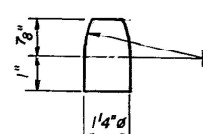
SCALE: SHEET 18 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	22
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



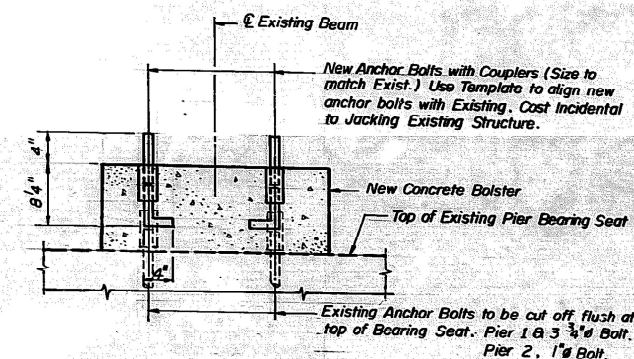
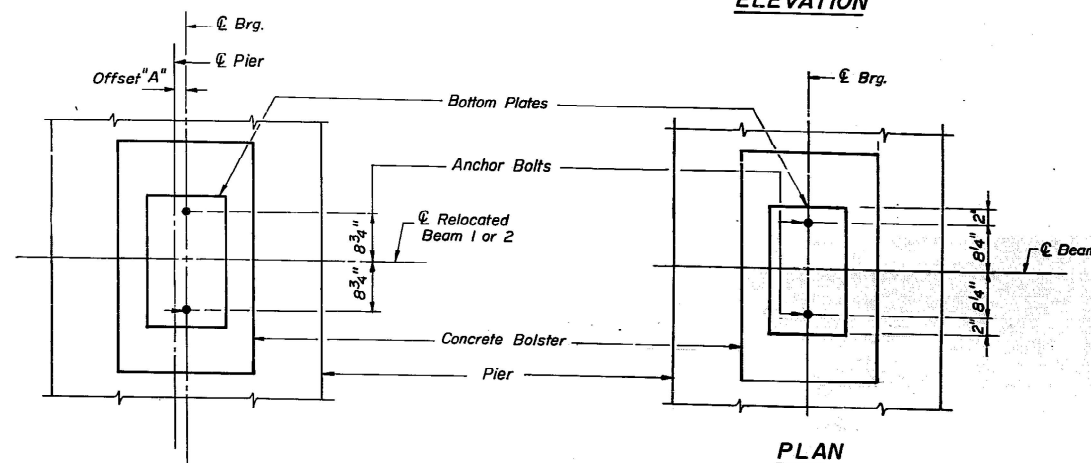
Note "A"
 $1\frac{3}{8}$ " ϕ Holes-1" deep in
top $\mathcal{R}$ for $1\frac{1}{4}$ " ϕ Pintles.
Thread or press fit
pintles in bottom $\mathcal{R}$.

Location Beam	Pier 1	Pier 2	Pier 3
Beam 2	1'6"	1'8"	1'4"
Beam 1	1'4"	5'8"	1"



Note "B"
1 1/2" ϕ Holes for 1" ϕ x 14" Anchor
Bolts-2 2" x 2 1/2" x 5/16" ϕ
washer under nut.

Location Beam	Pier 1	Pier 2	Pier 3
Beam 3	—	—	9 ₁₆
Beam 2	1 ₂	3 ₈	5 ₁₆



ANCHOR BOLT EXTENSION DETAIL
(AT PIERS 1, 2 & 3)
(BEAMS 3 THRU 12)

NOTE:

At Beams 1 and 2, Provide new 1"Ø x 14" long
Anchor Bolts, Nuts and 2½" x 2½" x 5/16" R
Washer. Cost incidental to Jacking Existing Structure
(Details Similar to Sec. A-A this Sheet)

NEW BEARINGS AT PIERS 1 & 3
(BEAMS 12A & 12B)

No. Required = 4

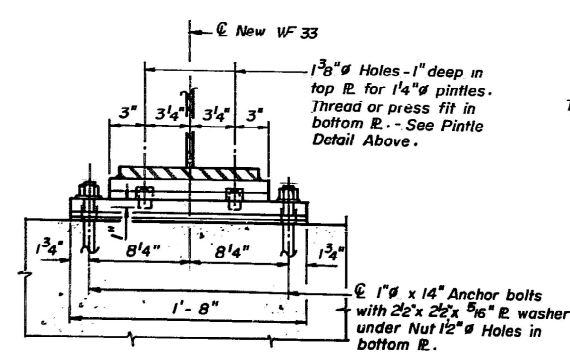
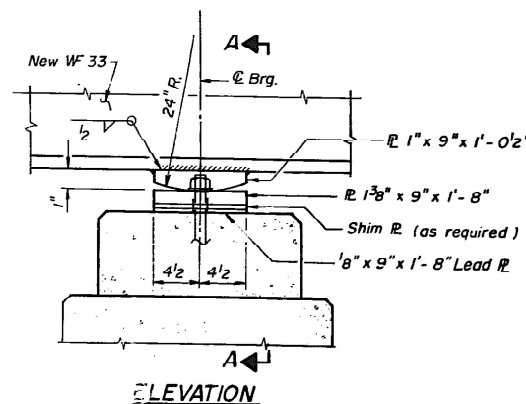
No. Required = 4

NOTES FOR SETTING OF ANCHOR BOLTS
AT EXPANSION BEARINGS

a.) D^* (Side of brg. away from fixed brg.)
 $D^* = \frac{1}{8}''$ per each 100' of expansion for
 every 15° fall below the normal temp.
 of 50° F.

D^{**} (Side of brg. toward fixed brg.)
 $D^{**} = \frac{1}{8}''$ per each 100' of expansion for
 every 15° rise above the normal temp.
 of 50° F.

b.) After girders have been erected and dimensions D & D determined. Holes shall be drilled and anchor bolts shall be installed as shown on sheet # S-12 & S-14 of S-21



NEW BEARINGS AT FIX PIER 2

(BEAMS 12A & 12B)

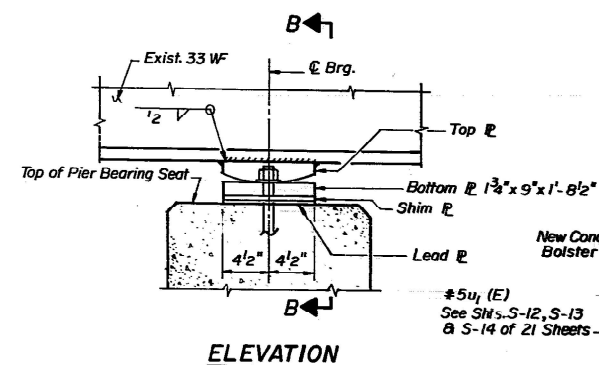
No. Required = 2

EXISTING BEARINGS AT PIERS 1, 2 & 3
(RELOCATED BEAMS 1 & 2)

(RELOCATED BEAMS 1 & 2)

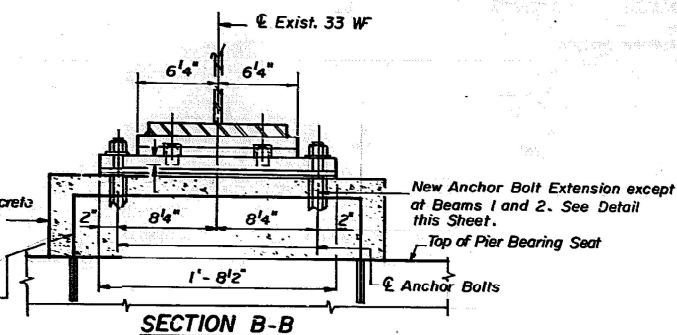
EXISTING BEARINGS AT PIERS 1, 2 & 3
(BEAMS 3 THRU 12)

(BEAMS 3 THRU 12)



EXISTING BEARINGS AT FIX PIER 2
(BEAMS 1 THRU 12)

(BEAMS 1 THRU 12)



Wt. of Structural Steel This Sheet = 1590 Lbs.

FOR INFORMATION ONLY

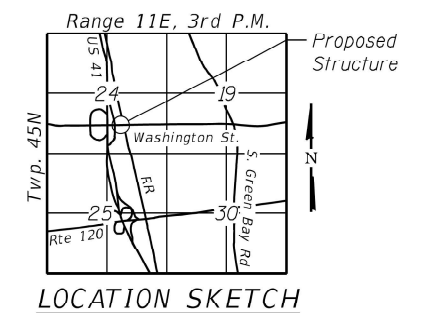
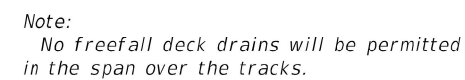
USER NAME = Jacob,Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
WASHINGTON STREET OVER US 41 (SN 049-0016)

SCALE:	SHEET 19	OF 25	SHEETS	STA. 0+00.00	TO STA. 0+00.00
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[illegible]

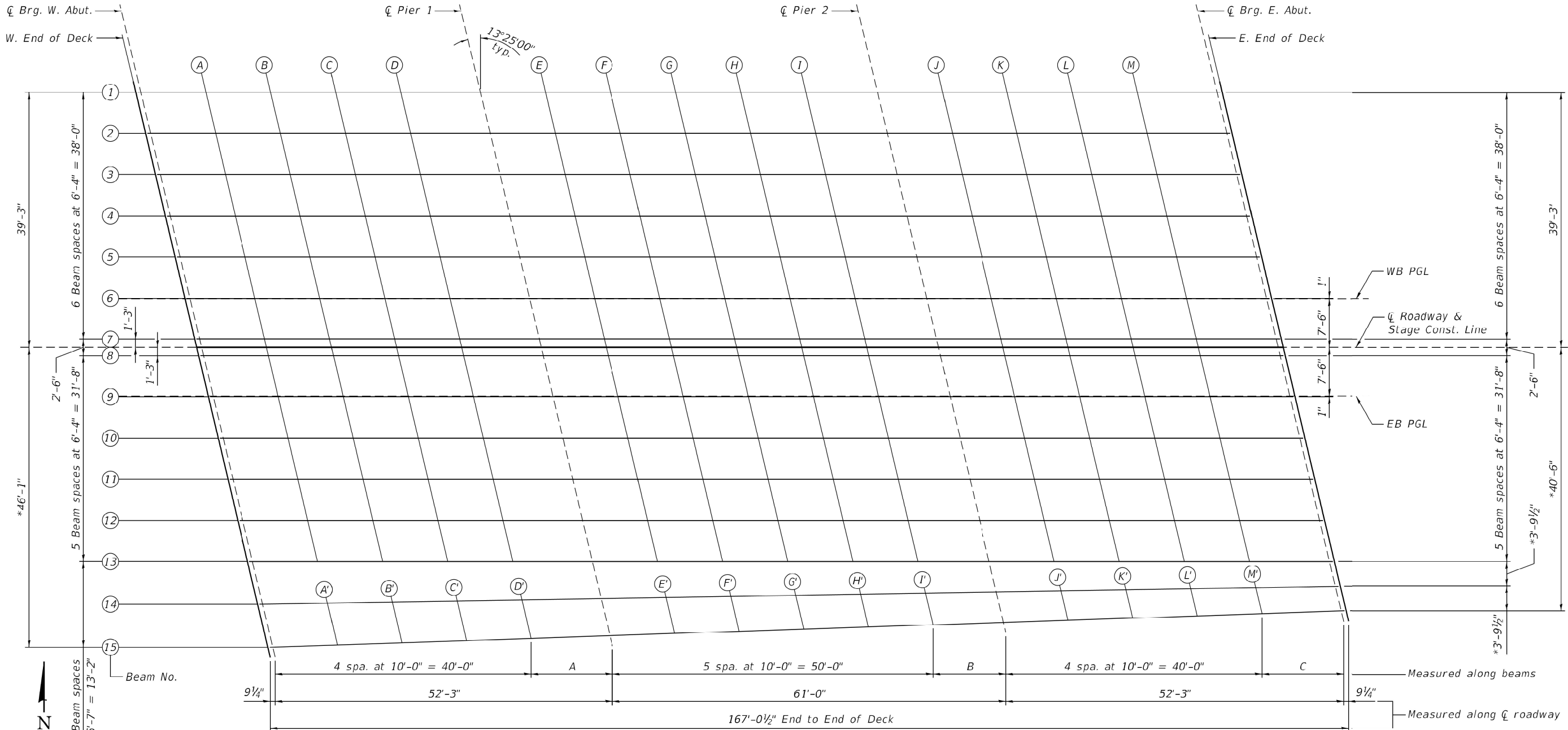


MODEL: SN 049-0097-001 [Sheet]
FILE NAME: c:\pw_work\pwid\rothjp\1025880\103325-sht-details.dgn

USER NAME = Jacob,Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS WASHINGTON STREET OVER UP RR (SN 049-0097)					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -							VAR	(10-VB) BP 2024	LAKE	34	24
	CHECKED -	REVISED -		CONTRACT NO. 62X49									
PLOT DATE = 10/25/2024	DATE -	REVISED -		SCALE:	SHEET 20	OF 25	SHEETS	STA. 0+00.00	TO STA. 0+00.00	ILLINOIS FED. AID PROJECT			

DIMENSION TABLE

Location	A	B	C
Beams 1-13	12'-3"	11'-0"	12'-3"
Beam 14	12'-0 ⁵ / ₈ "	10'-9 ¹ / ₈ "	12'-0 ⁵ / ₈ "
Beam 15	11'-10 ³ / ₈ "	10'-6 ¹ / ₂ "	11'-10 ³ / ₈ "



PLAN
FOR INFORMATION ONLY

(Sheet 1 of 4)

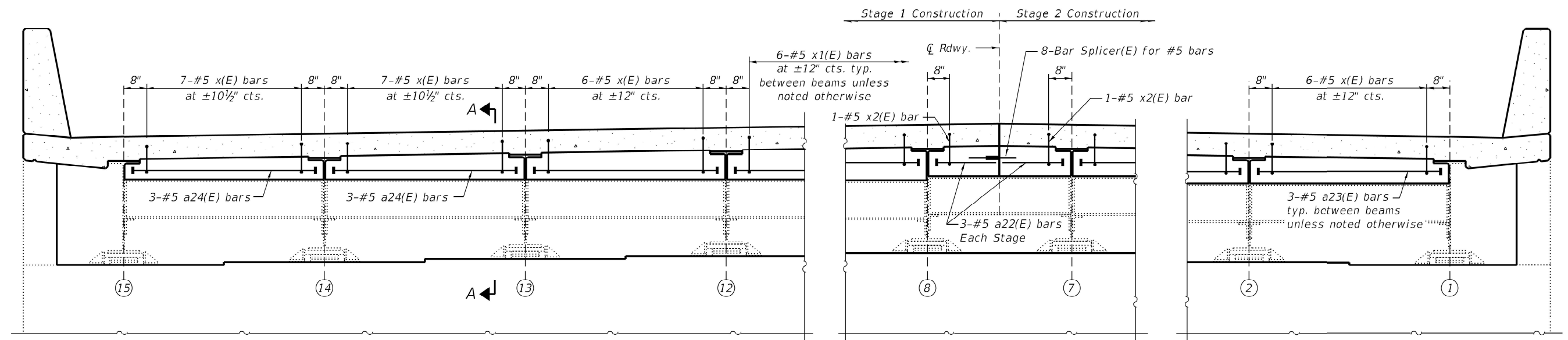
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USER NAME = Jacob,Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

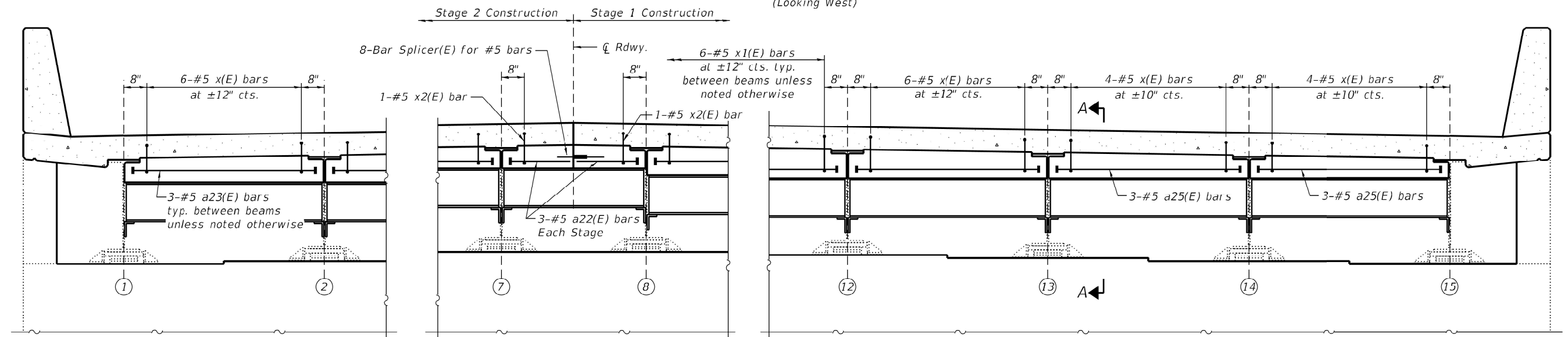
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS			
WASHINGTON STREET OVER UP RR (SN 049-0097)			
SCALE:	SHEET 21	OF 25 SHEETS	STA. 0+00.00 TO STA. 0+00.00

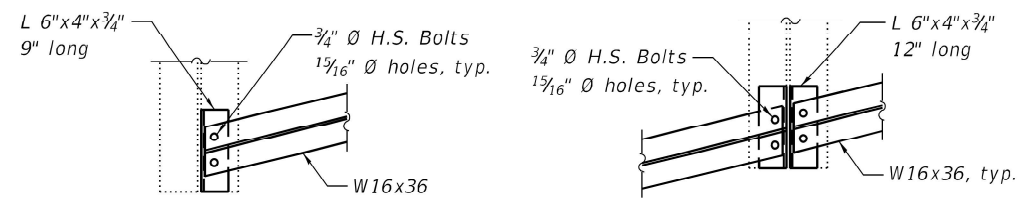
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	25
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



DIAPHRAGM AT WEST ABUTMENT
(Looking West)

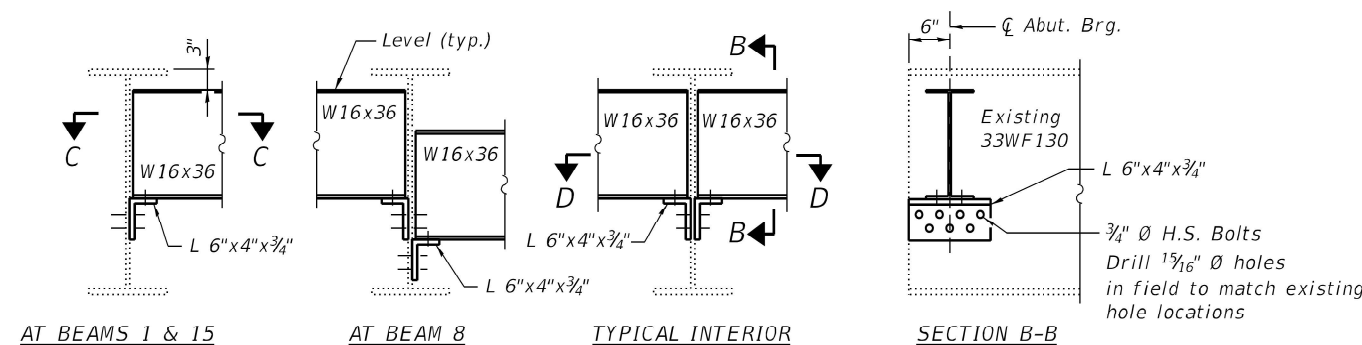


DIAPHRAGM AT EAST ABUTMENT
(Looking East)



SECTION C-C

SECTION D-D



AT BEAMS 1 & 15

AT BEAM 8

TYPICAL INTERIOR

SECTION B-B

END DIAPHRAGM D1 AT EAST ABUTMENT

FOR INFORMATION ONLY

MODEL: SN 049-0097-2013 (Sheet)
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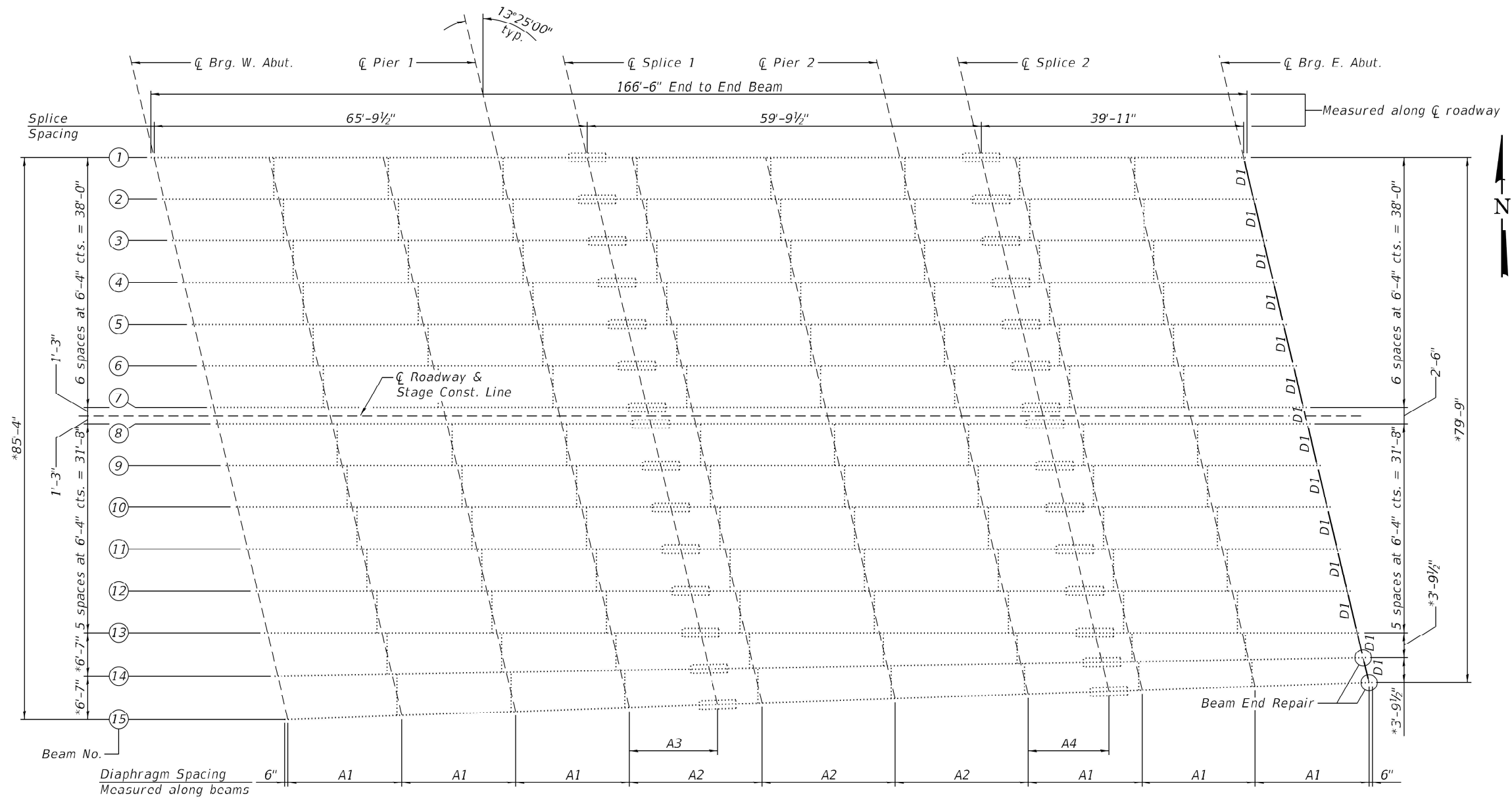
USER NAME = Jacob,Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING BRIDGE PLANS
WASHINGTON STREET OVER UP RR (SN 049-0097)**

SCALE: SHEET 22 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	26
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN

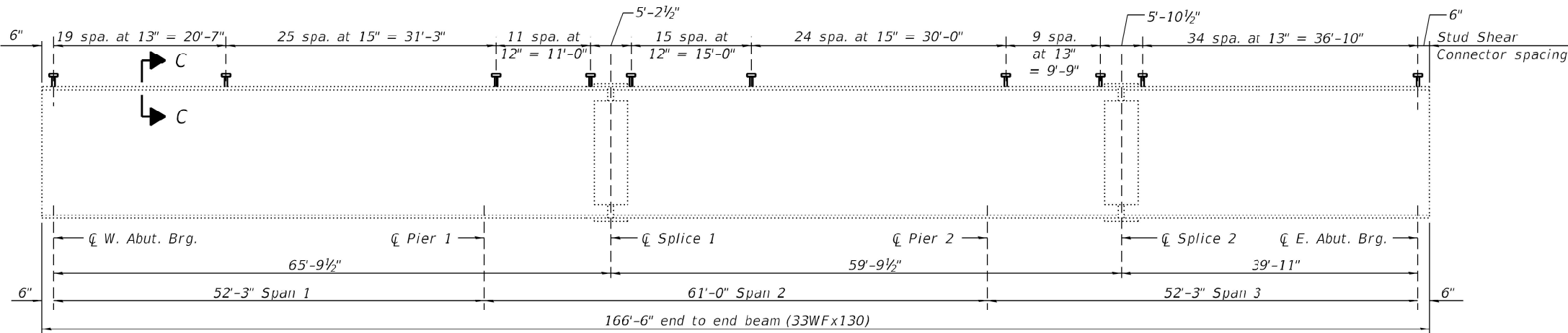
DIMENSION TABLE

Location	A1	A2	A3	A4
Beams 1-13	17'-5"	20'-4"	13'-6½"	12'-4"
Beam 14	17'-4¼"	20'-3"	13'-5⅞"	12'-3⅜"
Beam 15	17'-3½"	20'-2¼"	13'-5¼"	12'-2⅞"

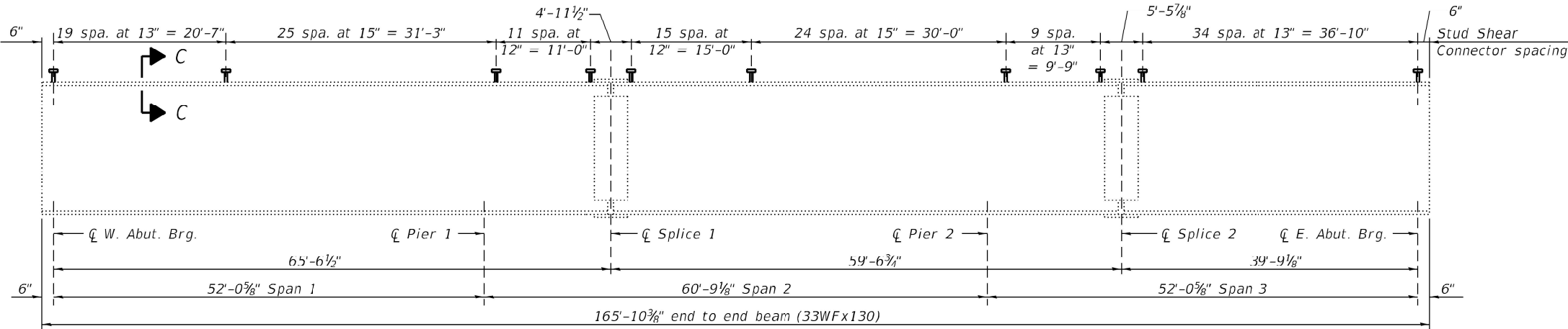
FOR INFORMATION ONLY

MODEL: SN 049-0097-004 [Sheet]
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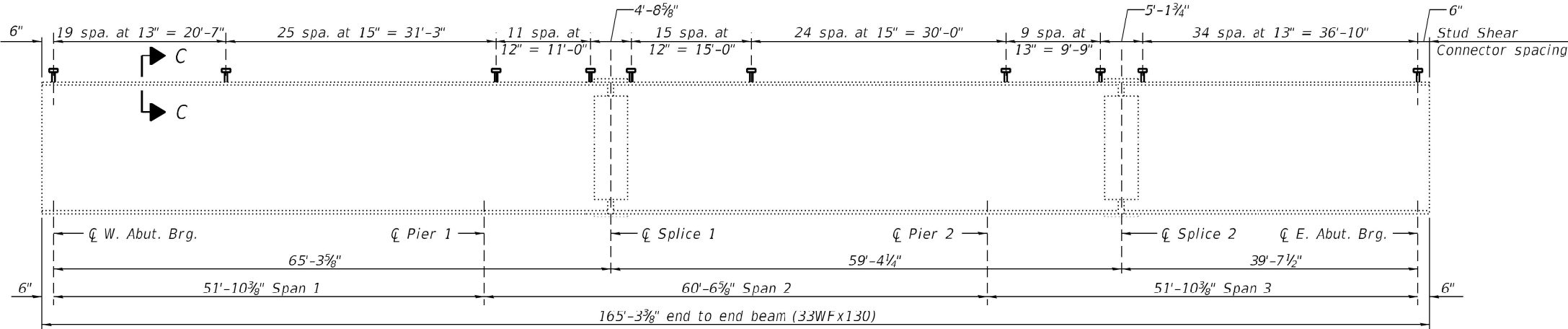
	USER NAME = Jacob,Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS WASHINGTON STREET OVER UP RR (SN 049-0097)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	(10-VB) BP 2024	LAKE	34	27
		CHECKED -	REVISED -						CONTRACT NO. 62X49				
	PLOT DATE = 10/25/2024	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
	SCALE:		SHEET 23 OF 25 SHEETS										



EXISTING BEAM ELEVATION (BEAMS 1 THRU 13)



EXISTING BEAM ELEVATION (BEAM 14)



EXISTING BEAM ELEVATION (BEAM 15)

FOR INFORMATION ONLY

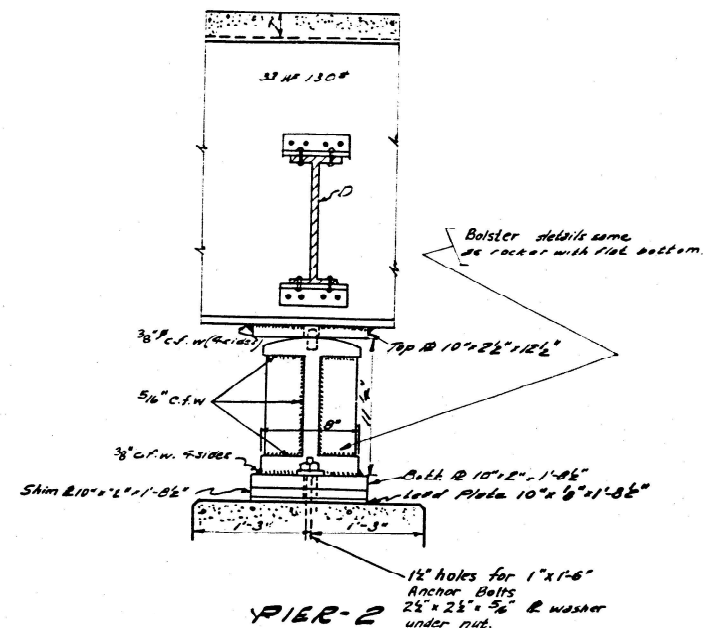
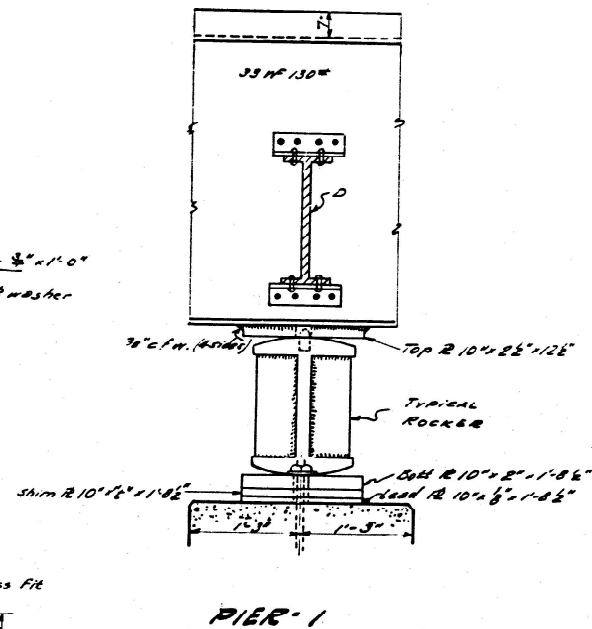
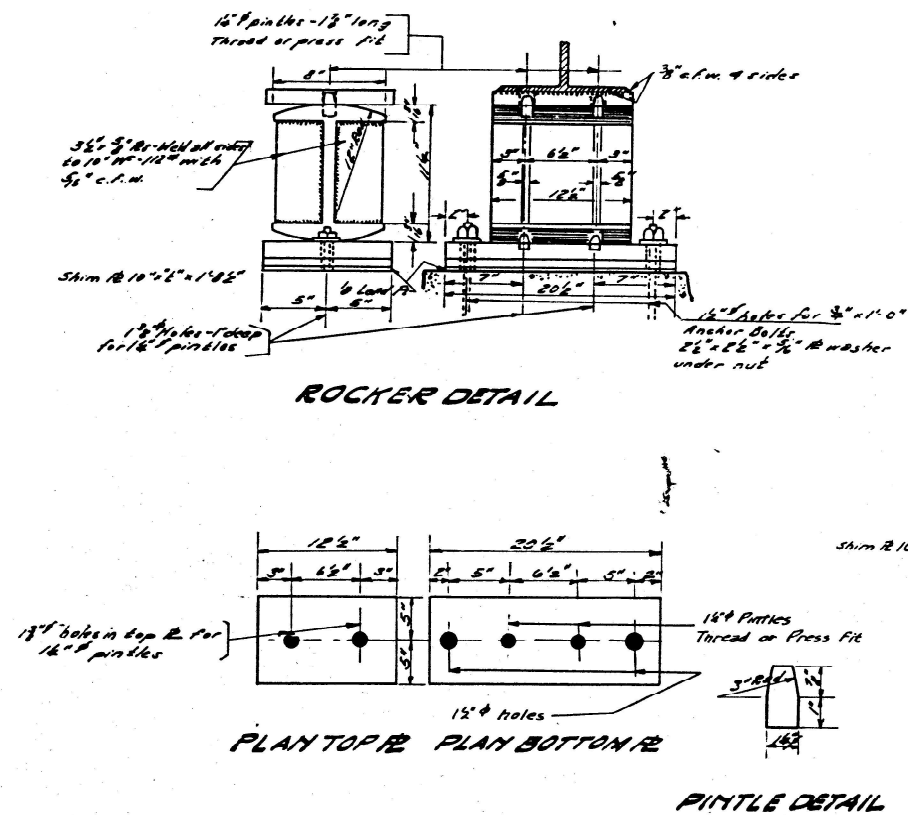
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USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS WASHINGTON STREET OVER UP RR (SN 049-0097)			
SCALE:	SHEET 24	OF 25 SHEETS	STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	28
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

MODEL: SN 049-0097-2016 (Sheet)
FILE NAME: c:\p\work\dwg\trn\trn\p\1025680D 103325-shr-details.dgn

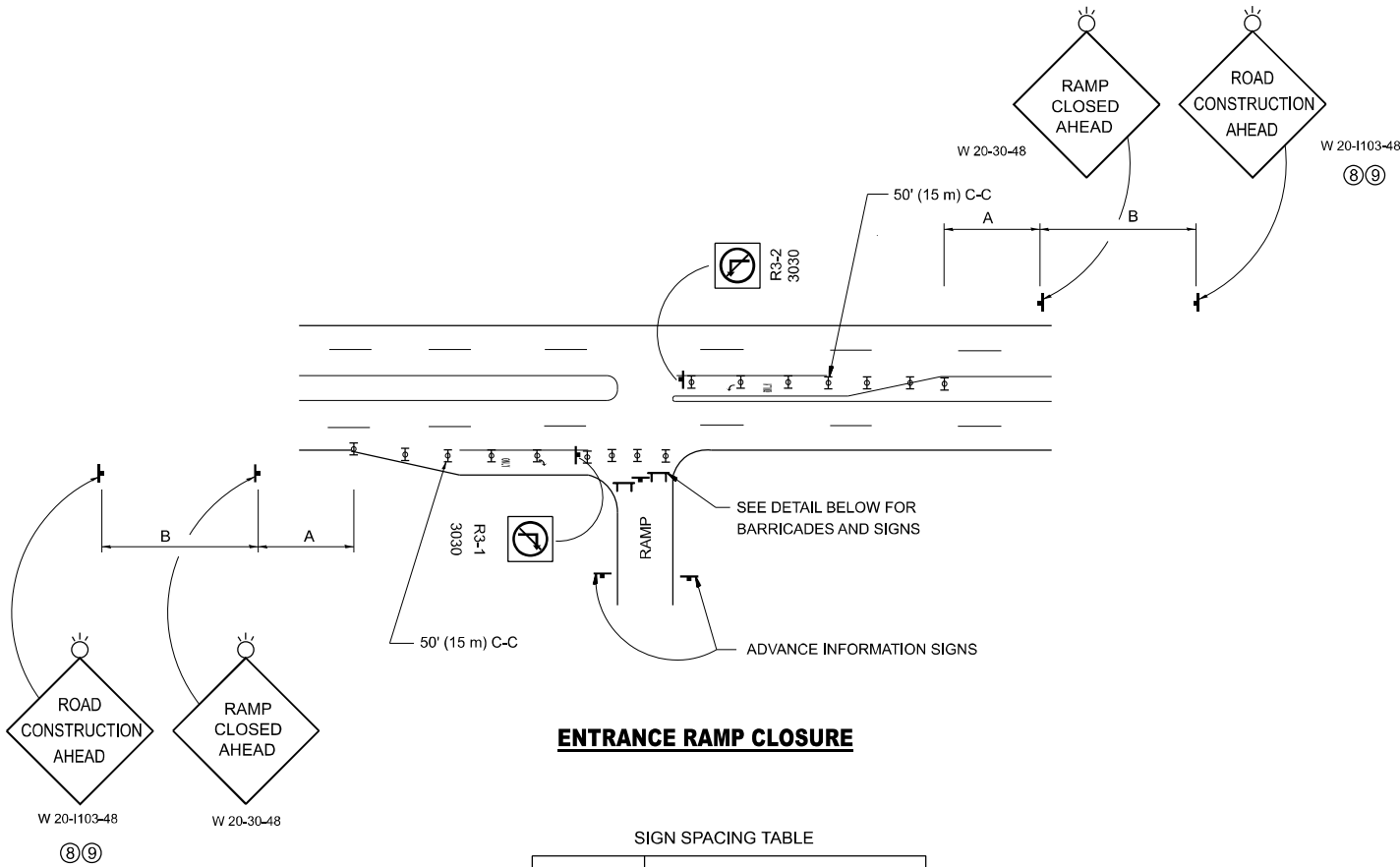
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
WASHINGTON STREET OVER UP RR (SN 049-0097)

SCALE: SHEET 25 OF 25 SHEETS STA. 0+00.00 TO STA. 0+00.00

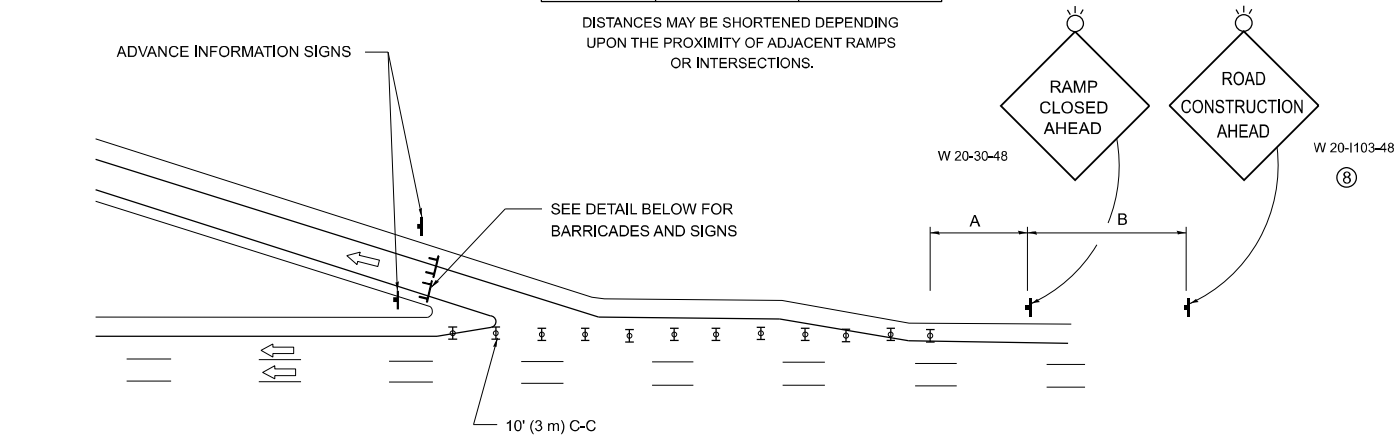
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	34	29
CONTRACT NO. 62X49				
ILLINOIS FED. AID PROJECT				



ENTRANCE RAMP CLOSURE

FACILITY	SIGN SPACING TABLE	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

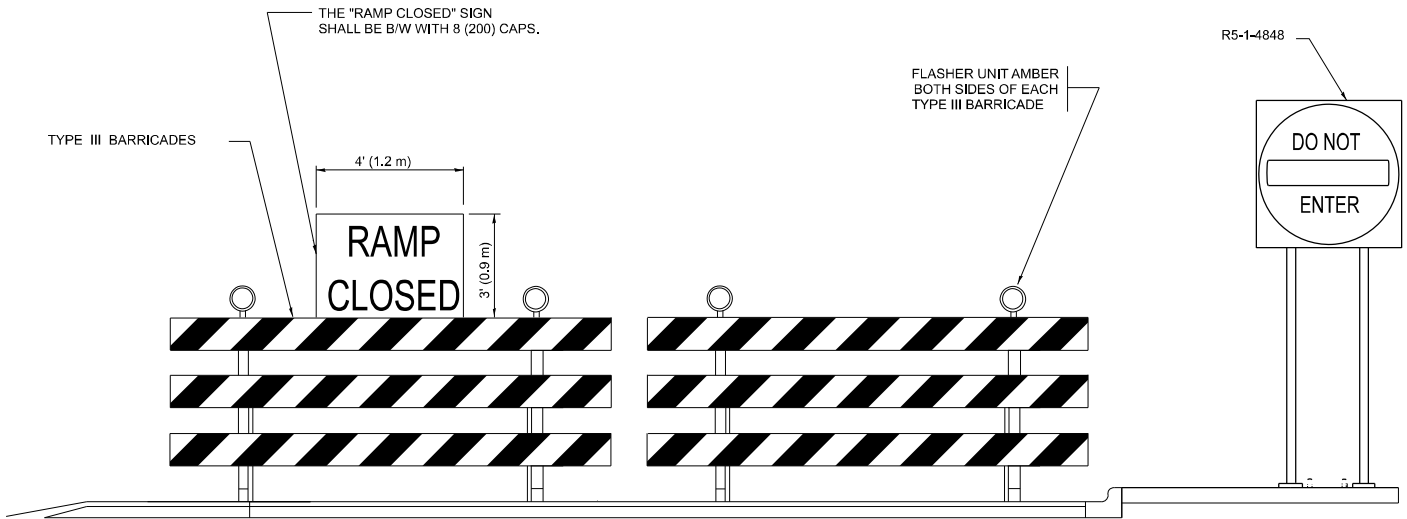
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

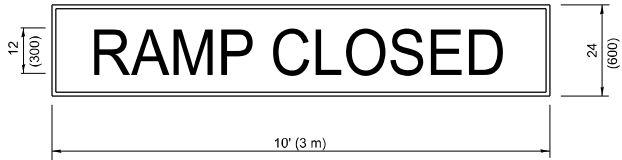
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

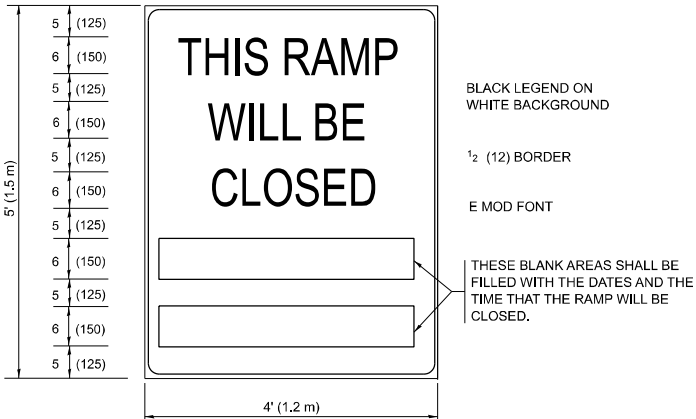
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

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

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

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:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 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.
- 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.
- 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.
- 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.

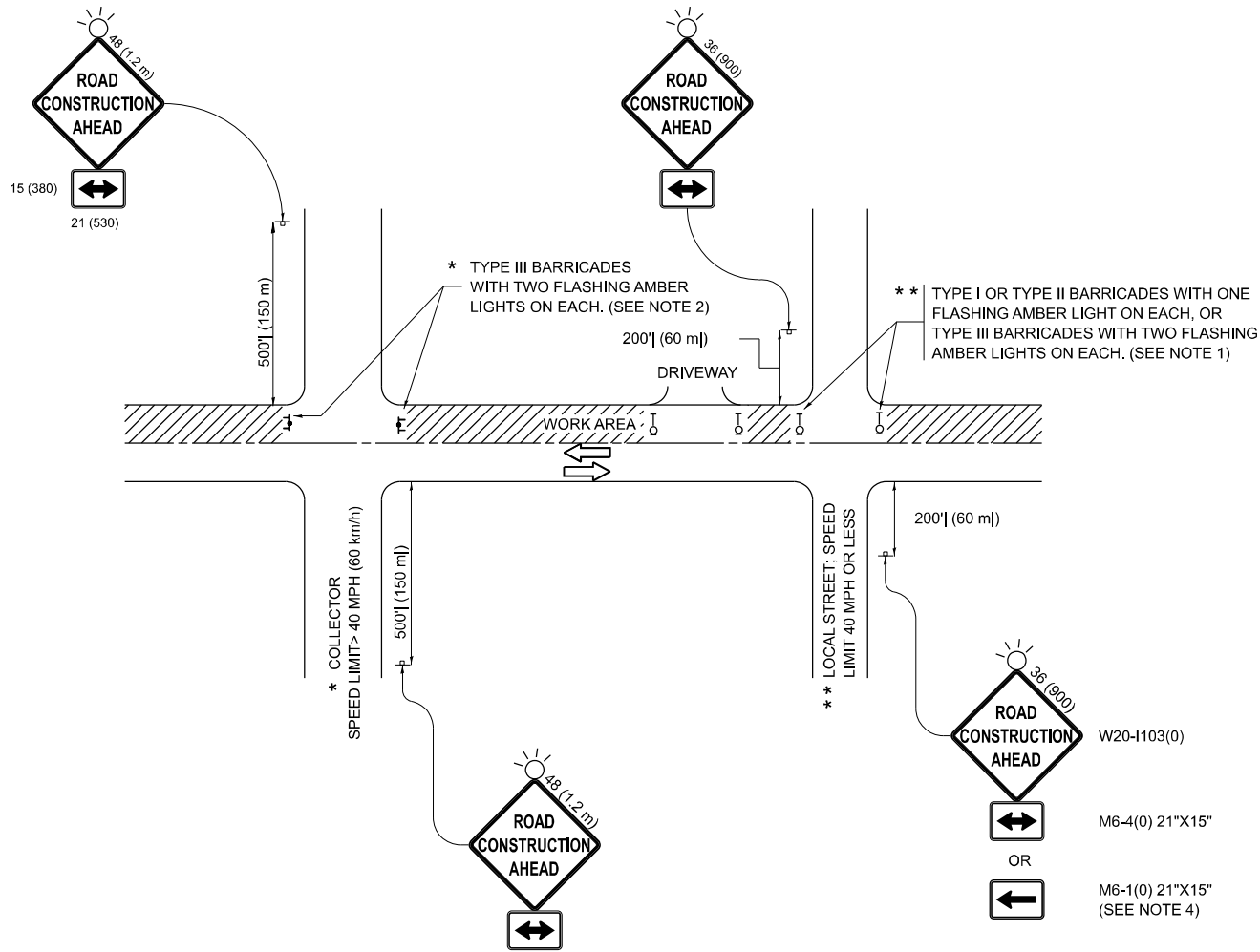
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT_RAMP
CLOSURE DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	36	32
TC-08		CONTRACT NO. 62X49		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-10 (Sheet)
FILE NAME: c:\p\work\work\trt\trt\p\1025680D\103325-shd-DistSigs.dgn



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 x 48 (1.2 m x 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) IN HEIGHT.

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).
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.

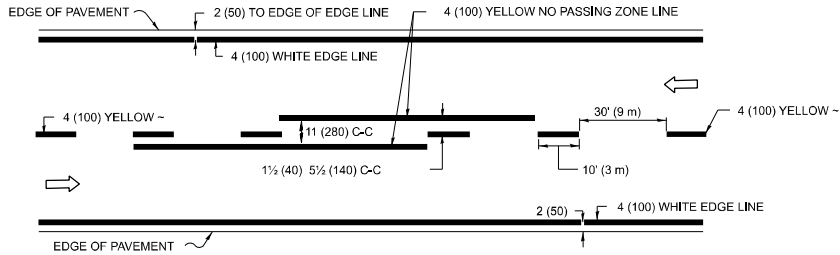
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

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.

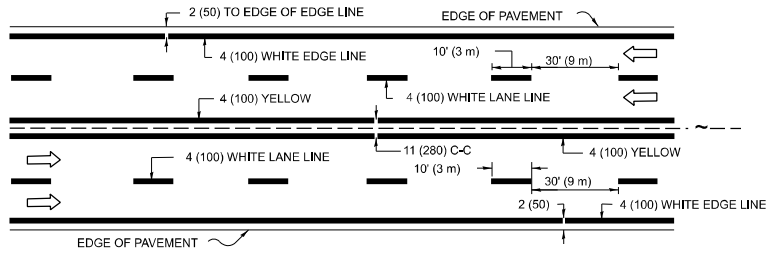
All dimensions are in inches (millimeters)
unless otherwise shown.

	USER NAME = Jacob,Roth	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A.P RTE.						
		DRAWN -	REVISED - A. SCHUETZE 07-01-13			SECTION						
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06			VAR		(10-VB) BP 2024		LAKE	36	33
	PLOT DATE = 10/25/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24			SCALE:		SHEET	OF	SHEETS	STA.	TO STA.
						TC-10						
						CONTRACT NO. 62X49						
						ILLINOIS		FED. AID PROJECT				

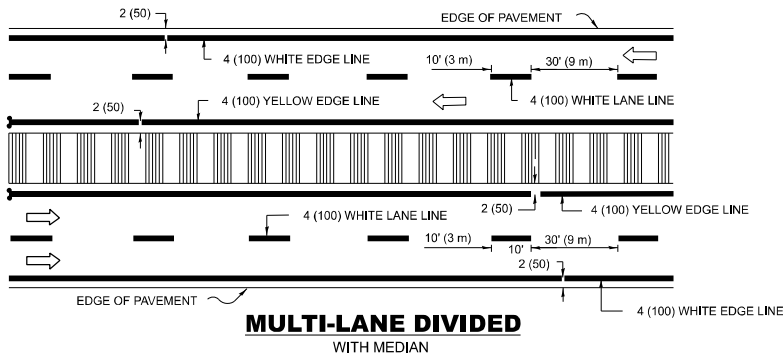
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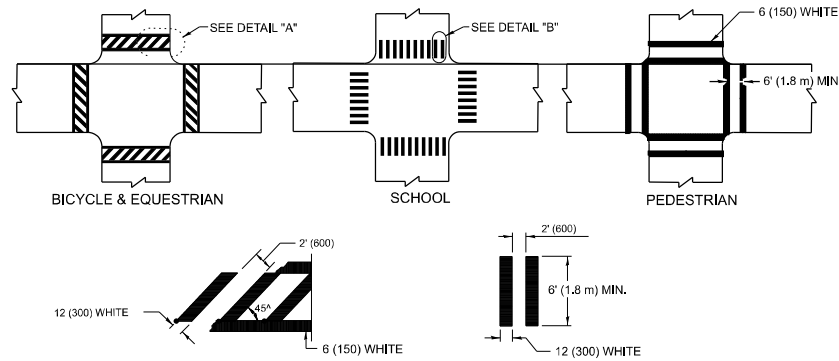
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

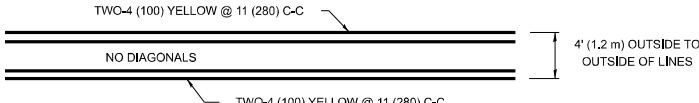


DETAIL "A"

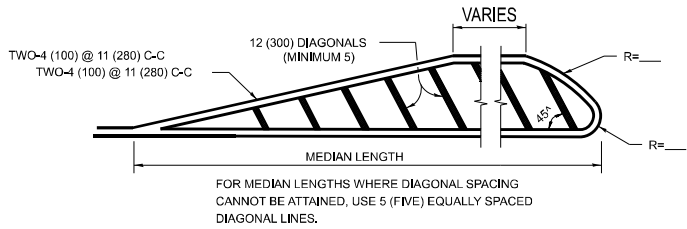
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

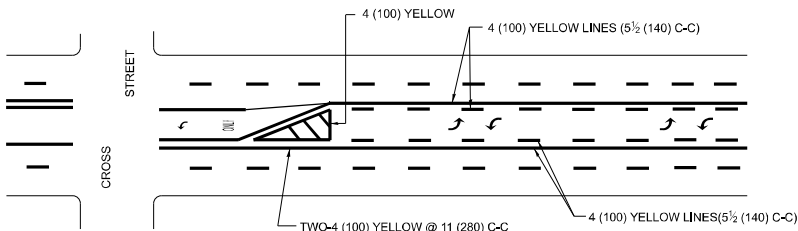


4' (1.2 m) WIDE MEDIANS ONLY

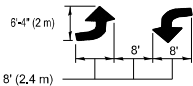


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

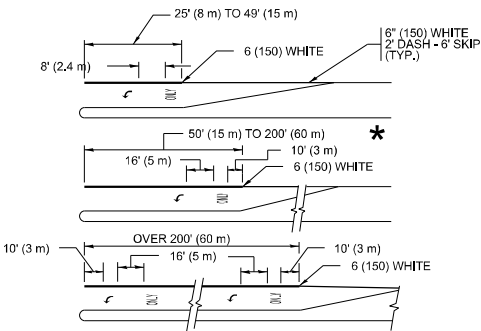


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

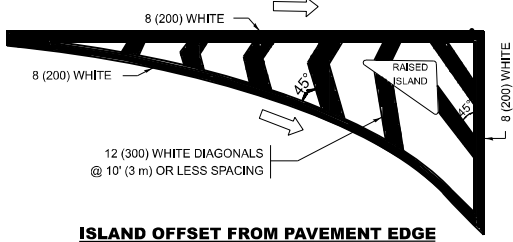


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

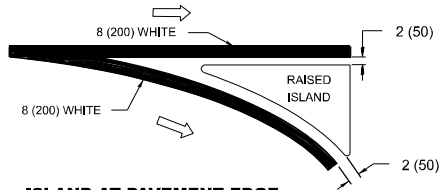
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

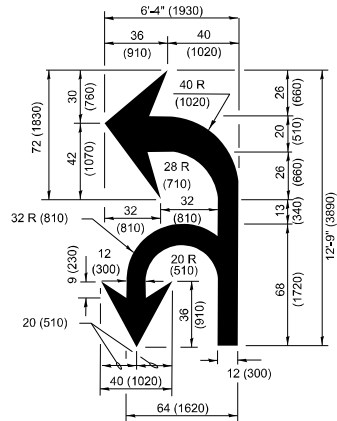


ISLAND OFFSET FROM PAVEMENT EDGE

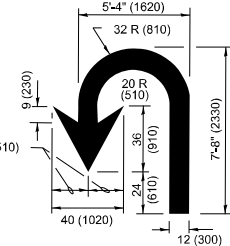


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 8' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = Jacob,Roth	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	REVISD - C. JUCIUS 07-01-13	
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 10/25/2024	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	36	34
TC-13		CONTRACT NO. 62X49		
		ILLINOIS FED. AID PROJECT		

MODEL: TC-21 [Sheet]
FILE NAME: c:\pwwork\proj\trb\proj\1025680D\103325-shh-Dist\Std.sxd



FOR U.S. ROUTES
M1-40-2424



FOR ILLINOIS ROUTES
M1-50-2424



R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND



M5-1L-2115



M5-1R-2115



M6-1-2115



M6-1-2115



M6-3-2115

NORTH

M3-1-2412

EAST

M3-2-2412

SOUTH

M3-3-2412

WEST

M3-4-2412

DETOUR

M4-8-2412

* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME	= Jacob,Roth	DESIGNED	-	REVISED	-	10-18-02
DRAWN	-	REVIS	-	R. BORO	09-14-09	
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-	
PLOT DATE	= 9/14/2024	DATE	-	REVISED	-	

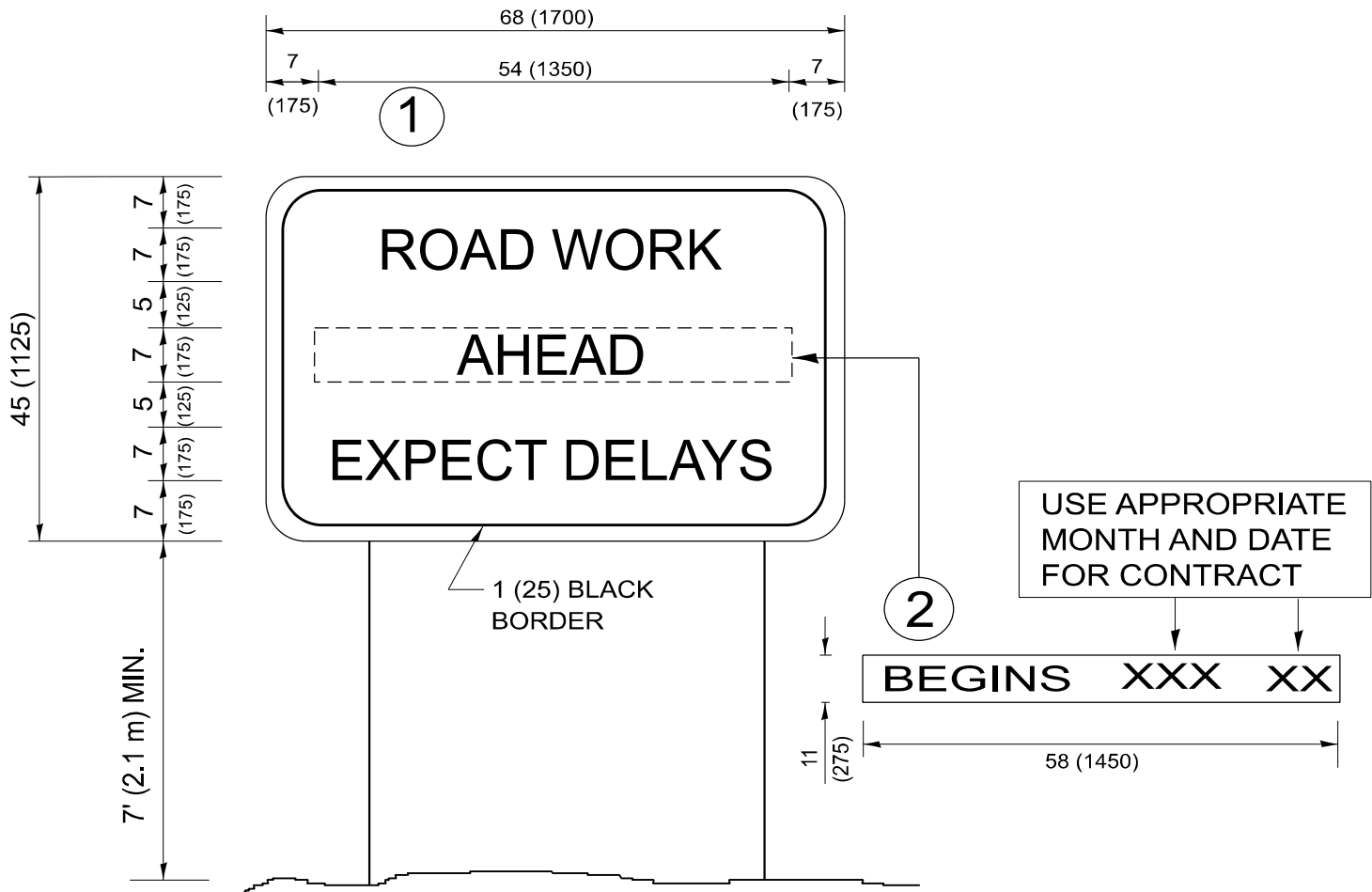
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-VB) BP 2024	LAKE	36	35
TC-21		CONTRACT NO. 62X49		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-22 [Sheet]
FILE NAME: c:\p\work\proj\roth\pjd 1025680D 103325-shh-DistSigs.dgn



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.

	USER NAME = Jacob,Roth	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						VAR	(10-VB) BP 2024	LAKE	36	36
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99						TC-22		CONTRACT NO. 62X49		
	PLOT DATE = 10/25/2024	DATE -	REVISED - C. JUCIUS 01-31-07						ILLINOIS FED. AID PROJECT				
							SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	