F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	1
	ILLINOIS			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.U. 6027 (EAST MAIN STREET)
CONTRACT MAINTENANCE BRIDGE REHABILITATION
S.N. 050-7400
LASALLE COUNTY
CITY OF OTTAWA

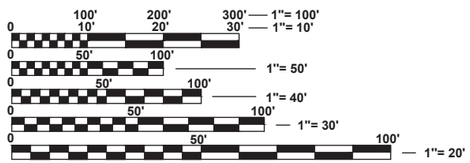
INDEX OF SHEETS

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701316-14	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES

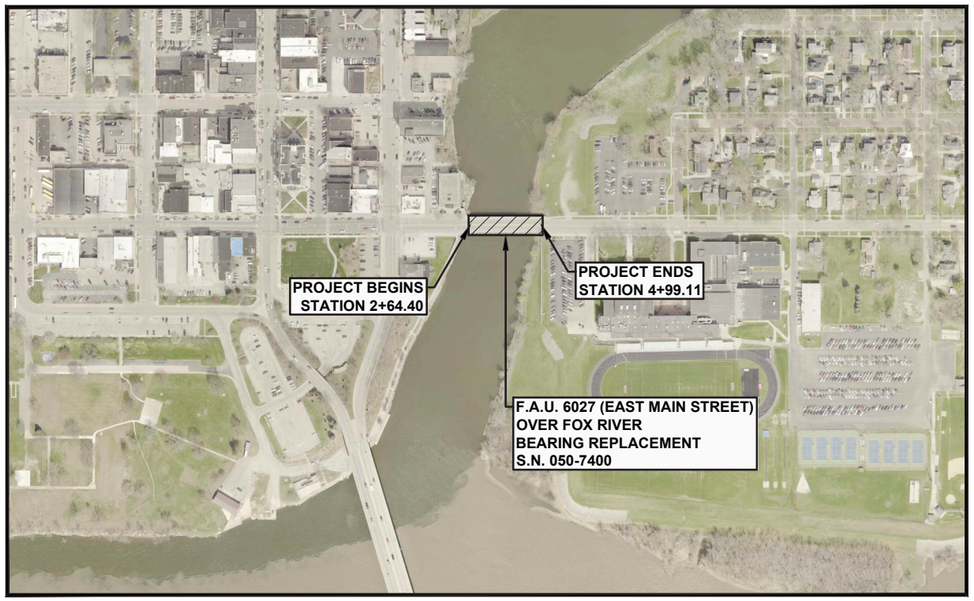
FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL
DESIGN SPEED: 25 MPH
ADT: 4900 (2025)



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



LOCATION SKETCH
NOT TO SCALE

GROSS LENGTH = 234.71 FEET = 0.04 MILES
NET LENGTH = 234.71 FEET = 0.04 MILES

LOCATION OF SECTION INDICATED THUS: -

4/22/26
date

DAVID A. HALL
LICENSED PROFESSIONAL ENGINEER
NO. 062-065865
STATE OF ILLINOIS
expires 11-30-2027
signature

PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

DRAWN BY: KED	REVISIONS				PERU MORRIS OTTAWA ILLINOIS
CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates
DATE: 04/2026					

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

COVER SHEET
SHEET 1 of 1 SHEETS

BID SET

CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 1
FILE NO.: 111535.00 Y-	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	2
	ILLINOIS			

GENERAL NOTES

1. THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 2022 EDITION AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION.

2. ALL ELEVATIONS, STATIONS, OFFSETS AND DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

3. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

4. FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF EIGHT (8) SANDBAGS PER BARRICADE.

5. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THE PLANS.

6. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENTS ARE:
   CITY OF OTTAWA
   MEDIACOM
   AMEREN

7. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 72 HOURS PRIOR TO DEMOLITION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

8. COORDINATE WITH CITY OF OTTAWA AND OTTAWA TOWNSHIP HIGH SCHOOL FOR NOTIFICATIONS OF CLOSURES AT LEAST 14 DAYS PRIOR TO ANY CLOSURES.

Drawing Name: I:\1111535.00 - Ottawa Main St. Bridge Repairs\CAD\PLANS\111535-002-NOTES.dwg Last Modified: Monday, April 20, 2026 7:37:28 PM Plotted On: Wednesday, April 22, 2026 9:32:22 AM by Kurt Decker

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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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PERU MORRIS OTTAWA
ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

GENERAL NOTES

SHEET 1 of 1 SHEETS

BID SET

CURRENT AS OF: **04/22/2026**	
SCALE: AS NOTED	SHEET **2**
FILE NO.: 111535.00 Y–	OF **20**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	3
	ILLINOIS			

					CONSTR. CODE
					100% Local Funds
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010 050-7400
	50102400	CONCRETE REMOVAL	CU YD	18.7	18.7
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	18.7	18.7
	50300300	PROTECTIVE COAT	SQ YD	100	100
*	50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1	1
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2280	2280
*	50800515	BAR SPLICERS	EACH	20	20
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	108	108
	52100010	ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	9	9
	52100020	ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	9	9
	67100100	MOBILIZATION	L SUM	1	1
*	70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1060	1060
*	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
*	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	782	782
*	70307120	TEMPORARY PAVEMENT MARKING LINE 4" TYPE IV	FOOT	1030	1030
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	18	18
	Z0007122	REMOVING AND RE-ERECTING EXISTING RAILING	FOOT	136	136

* INDICATES SPECIALTY ITEM

DRAWN BY: KED
CHECKED BY: DAH
DATE: 04/2026

REVISIONS			
LEVEL	BY	DATE	DESCRIPTION

Chamlin & Associates
PERU MORRIS OTTAWA
ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

SUMMARY OF QUANTITIES
SHEET 1 of 1 SHEETS

BID SET

CURRENT AS OF: **04/22/2026**
SCALE: AS NOTED | SHEET **3**
FILE NO.: 111535.00 Y– | OF **20**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	4
	ILLINOIS			

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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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PERU MORRIS OTTAWA
ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

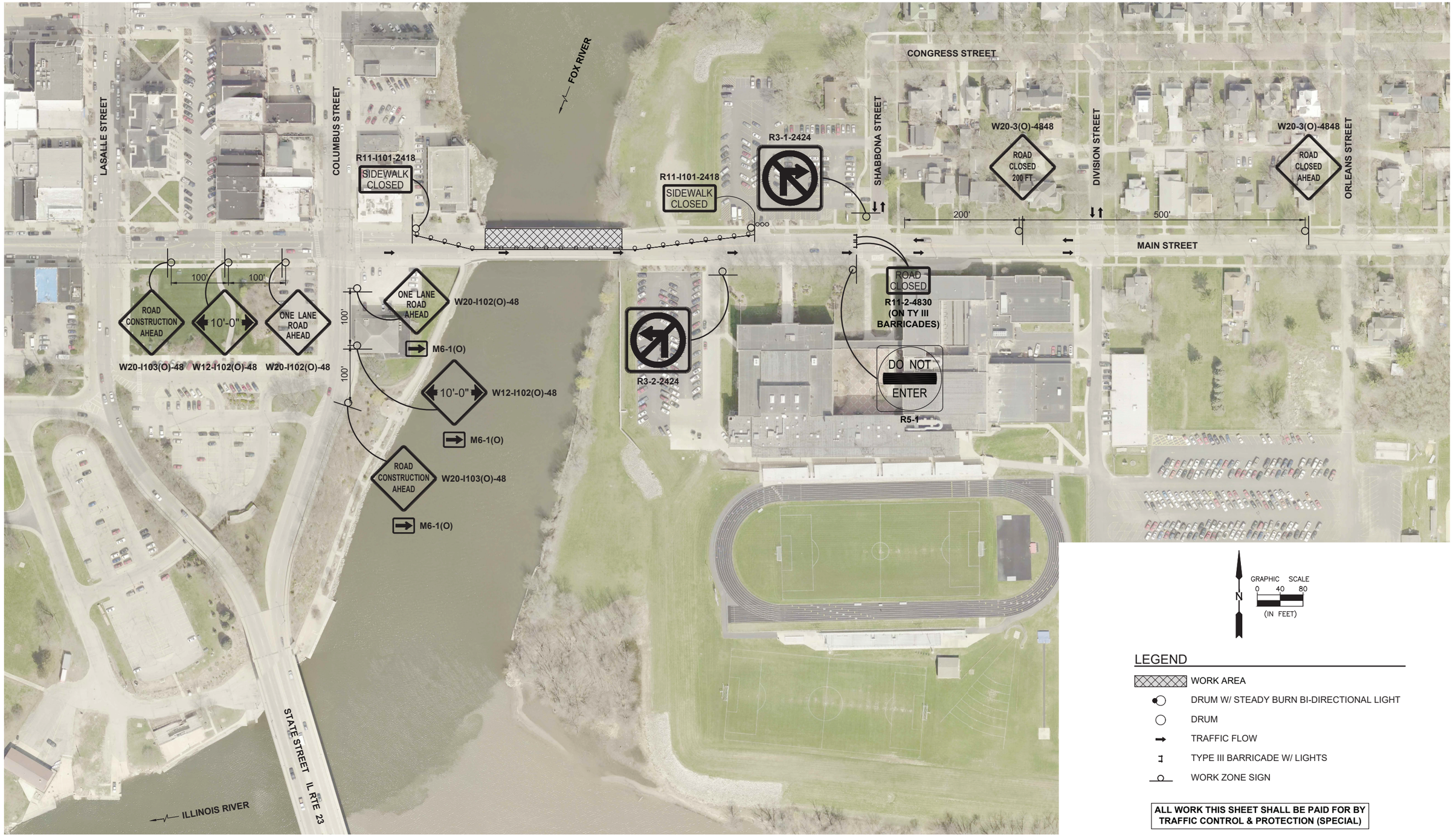
TRAFFIC CONTROL PLAN - STAGE I

SHEET 1 of 4 SHEETS

BID SET

CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 4
FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	5
	ILLINOIS			



GRAPHIC SCALE
0 40 80
(IN FEET)

N

LEGEND

- WORK AREA
- DRUM W/ STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC FLOW
- TYPE III BARRICADE W/ LIGHTS
- WORK ZONE SIGN

ALL WORK THIS SHEET SHALL BE PAID FOR BY TRAFFIC CONTROL & PROTECTION (SPECIAL)

DRAWN BY: KED	REVISIONS			
CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

TRAFFIC CONTROL PLAN - STAGE I
ENLARGED PLAN
SHEET 2 of 4 SHEETS

BID SET

CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	5
FILE NO.: 111535.00 Y–	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	6
	ILLINOIS			

DRAWN BY: KED	REVISIONS			
CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

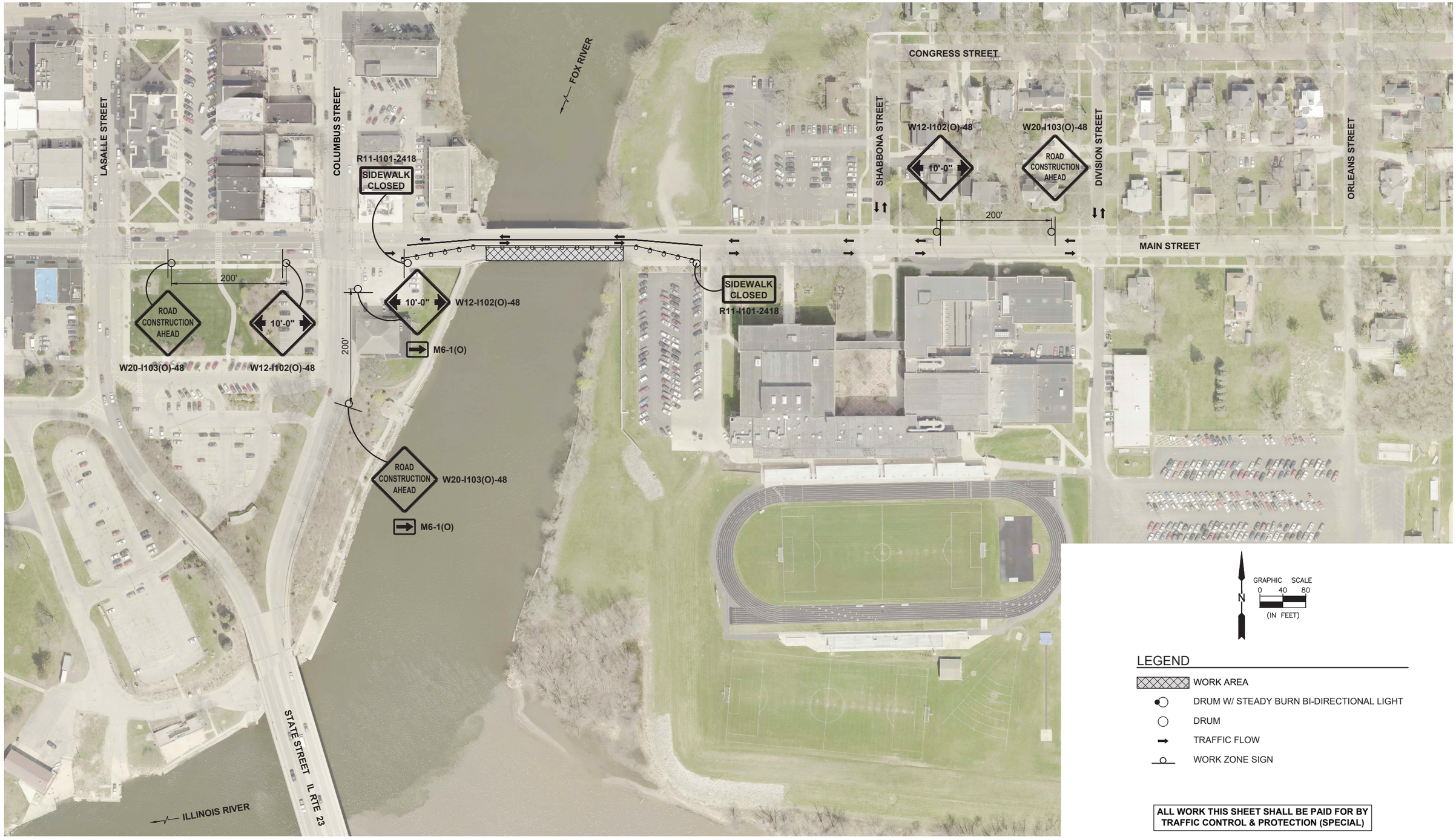
TRAFFIC CONTROL PLAN - STAGE II

SHEET 3 of 4 SHEETS

BID SET

CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	6
FILE NO.: 111535.00 Y–	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	7
	ILLINOIS			



GRAPHIC SCALE
0 40 80
(IN FEET)

N

LEGEND

- WORK AREA
- DRUM W/ STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC FLOW
- WORK ZONE SIGN

ALL WORK THIS SHEET SHALL BE PAID FOR BY TRAFFIC CONTROL & PROTECTION (SPECIAL)

DRAWN BY: KED	REVISIONS			
CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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ILLINOIS

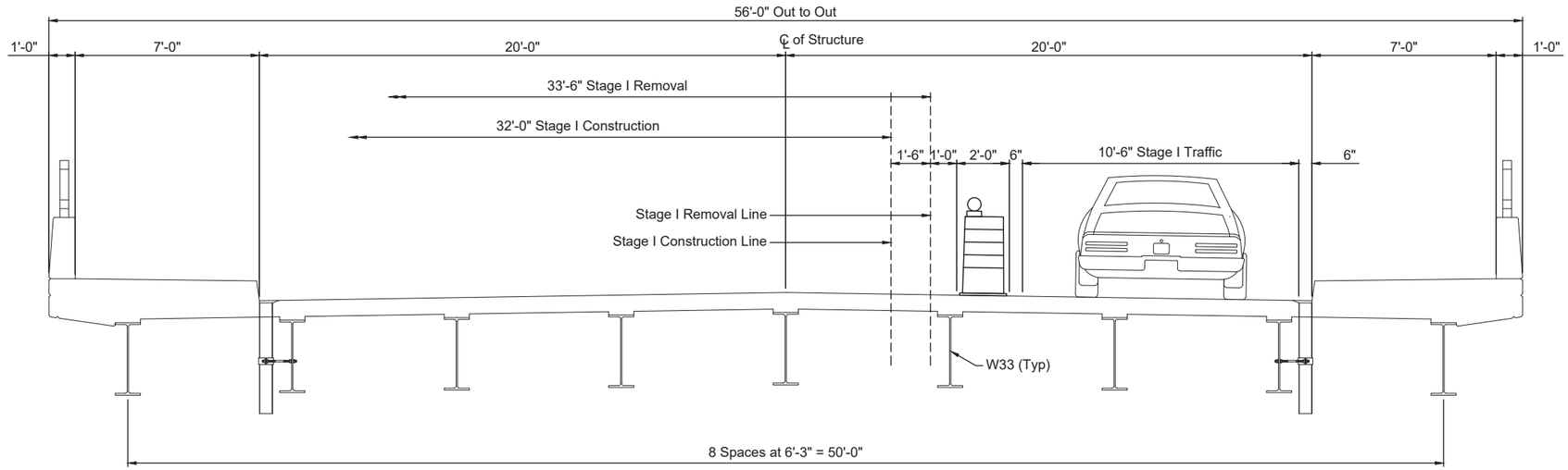
F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

TRAFFIC CONTROL PLAN - STAGE II
ENLARGED PLAN
SHEET 4 of 4 SHEETS

BID SET

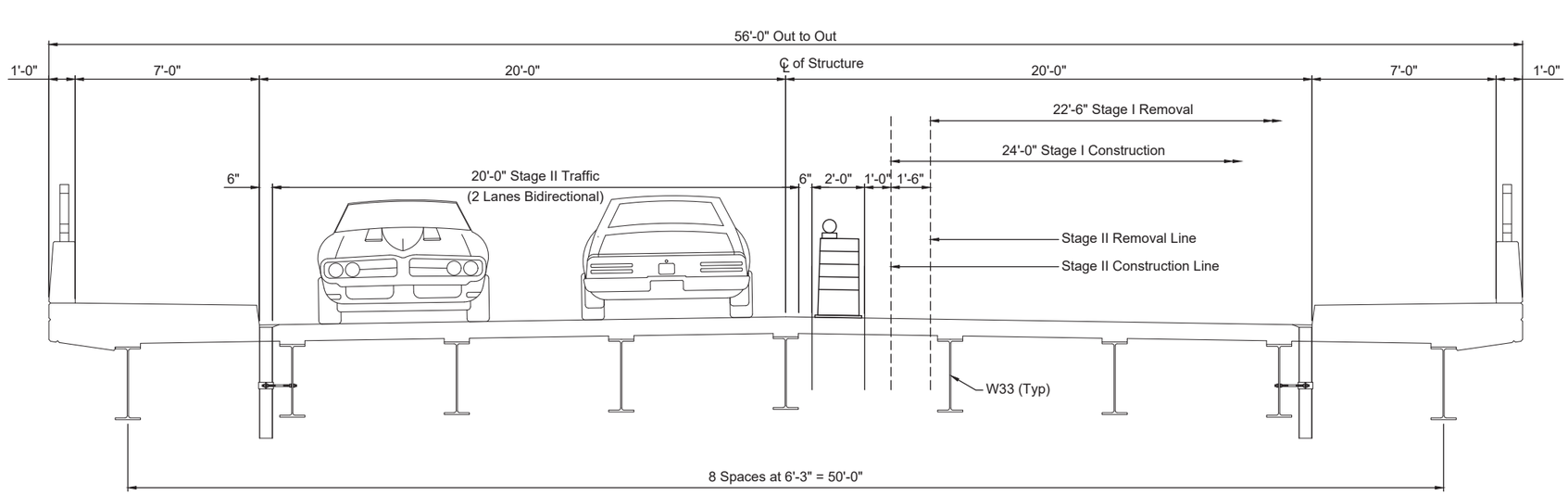
CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 7
FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	8
	ILLINOIS			



STAGING TYPICAL SECTION - STAGE I

STA. 2+62.23 TO STA. 5+01.28



STAGING TYPICAL SECTION - STAGE II

STA. 2+62.23 TO STA. 5+01.28

DRAWN BY: KED	REVISIONS				Chamlin & Associates	PERU MORRIS OTTAWA ILLINOIS	F.A.U. 6027 (EAST MAIN STREET) S.N. 050-7400 BRIDGE REHABILITATION CITY OF OTTAWA	STAGING TYPICAL SECTIONS	BID SET	CURRENT AS OF: 04/22/2026	
CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION				SHEET 1 of 1 SHEETS		SCALE: AS NOTED	SHEET 8
DATE: 04/2026										FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	9
	ILLINOIS			

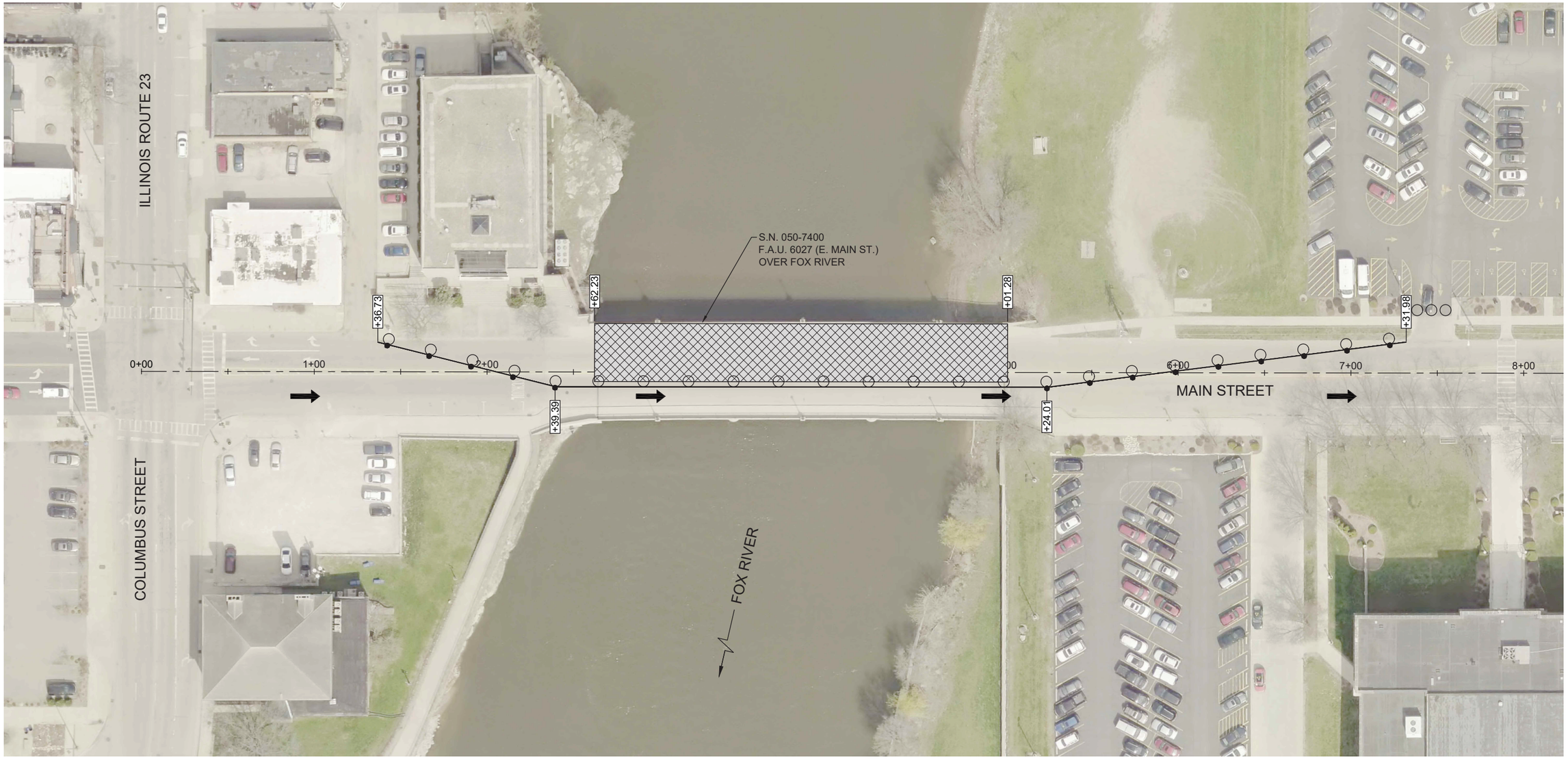
ALL WORK THIS SHEET SHALL BE PAID FOR BY TRAFFIC CONTROL & PROTECTION (SPECIAL)

LEGEND

- WORK AREA
- DRUM W/ STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM
- TRAFFIC FLOW

N

GRAPHIC SCALE
0 15 30
(IN FEET)



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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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PERU MORRIS OTTAWA
ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

STAGE I MAINTENANCE OF TRAFFIC

SHEET 1 of 1 SHEETS

BID SET

CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	9
FILE NO.: 111535.00 Y–	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	10
	ILLINOIS			

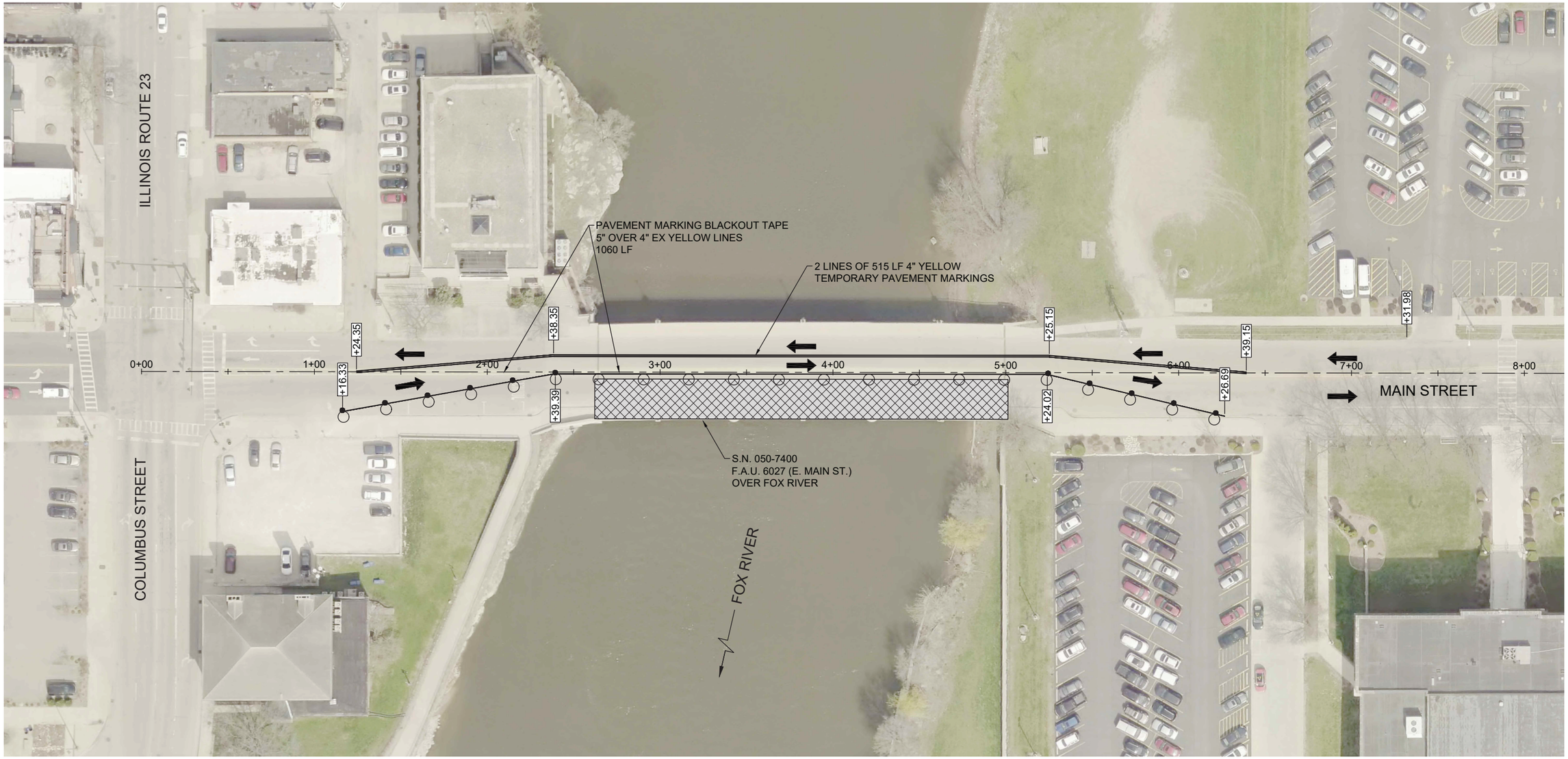
ALL WORK THIS SHEET EXCEPT PAVEMENT MARKINGS SHALL BE PAID FOR BY TRAFFIC CONTROL & PROTECTION (SPECIAL)

LEGEND

- WORK AREA
- DRUM W/ STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

N

GRAPHIC SCALE
0 15 30
(IN FEET)



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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

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PERU MORRIS OTTAWA
ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

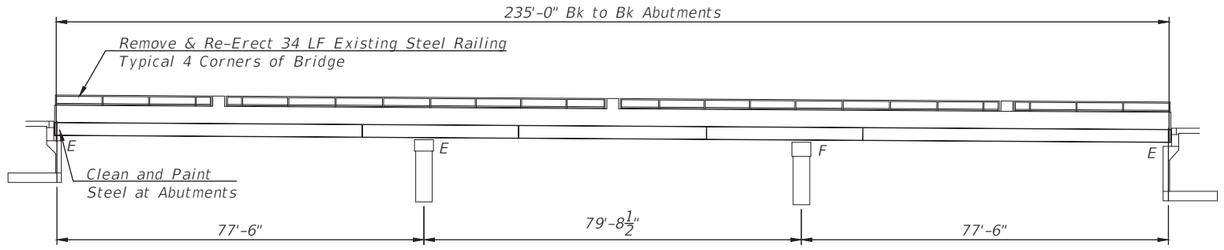
STAGE II MAINTENANCE OF TRAFFIC

SHEET 1 of 1 SHEETS

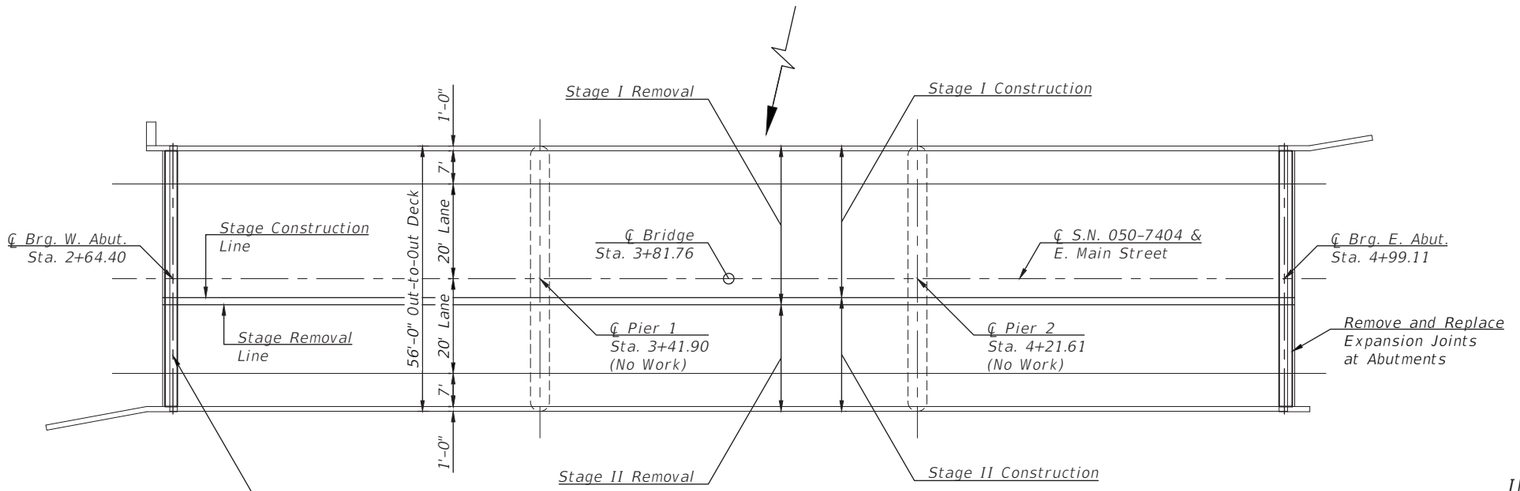
BID SET

CURRENT AS OF: **04/22/2026**	
SCALE: AS NOTED	SHEET **10**
FILE NO.: 111535.00 Y–	OF **20**

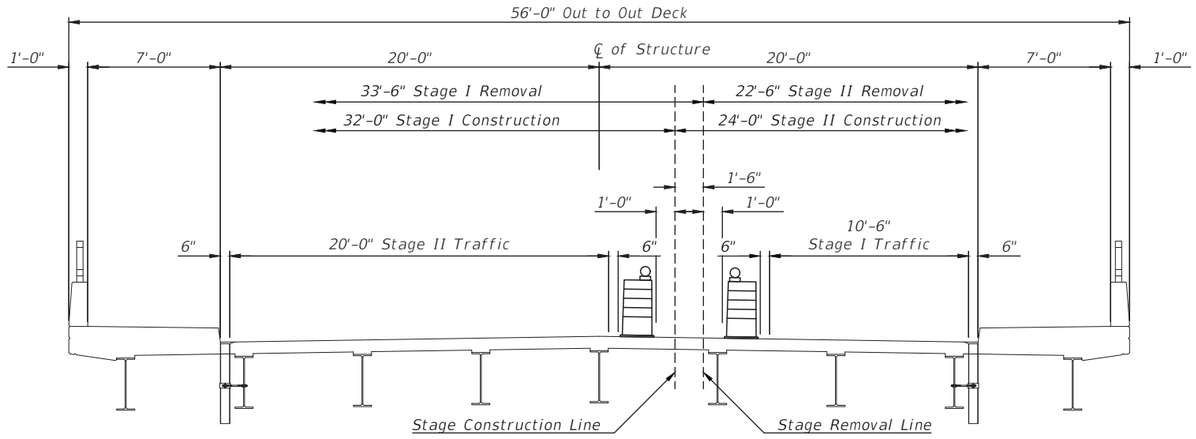
Drawing Name: X:\111535.00 - Ottawa Main St. Bridge Repairs\CAD\PLANS\111535-010-MOT II.dwg Last Modified: Wednesday, April 22, 2026 9:15:42 AM Plotted On: Wednesday, April 22, 2026 9:32:56 AM by Kurt Decker



ELEVATION



PLAN



CROSS SECTION

(Looking East)

EXISTING STRUCTURE

SN 050-7400 was originally constructed in 1922 as a 3-span reinforced concrete spandrel arch bridge on closed abutments and solid shaft piers and the superstructure deck, abutments and piers were removed and replaced as Section 92-00131-00-BR in 1996.

The existing structure consists of 3 spans and is a 7½" thick reinforced concrete deck supported by (8) W33 steel beams. Back-to-back of abutments is 235'-0" and out-to-out of deck is 56'-0". Traffic is to remain open with staged construction..

Salvage: None

TOTAL BILL OF MATERIAL

	ITEM	UNIT	TOTAL
	Concrete Removal	Cu. Yd.	18.7
	Concrete Superstructure	Cu. Yd.	18.7
*	Protective Coat	Sq. Yd.	100
	Cleaning and Painting Structural Steel, Location 1	L. Sum	1
	Reinforcement Bars, Epoxy Coated	Pound	2280
	Bar Splicers	Each	20
	Preformed Joint Strip Seal	Foot	108
	Elastomeric Bearing Assembly, Type I	Each	9
	Elastomeric Bearing Assembly, Type II	Each	9
	Jack and Remove Existing Bearings	Each	18
	Removing and Re-erecting Existing Railing	Foot	136

* Apply to new concrete only.

GENERAL NOTES

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 at the unit price bid for the work.

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

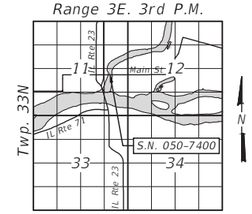
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during Concrete Removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to article 520.04 of the standard specifications when the deck is poured at an ambient temperature other than 50° Fahrenheit.

INDEX OF STRUCTURE SHEETS

SCOPE OF WORK

1. Remove and replace existing expansion joints with new preformed joint strip seals.
2. Jack and crib existing steel beams as indicated in the plans. Remove and replace existing bearings with new elastomeric bearings at abutments.
3. Clean and paint new bearings and existing steel beams and diaphragms within 5' of beam ends, each abutment.
4. Apply Protective Coat to the top and inside faces of parapets, bridge deck and hatch block.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
E. MAIN STREET OVER FOX RIVER
(FAU 6027)
CITY OF OTTAWA
STATION 3+81.76
S.N. 050-7400

DRAWN BY: KED	REVISIONS				PERU MORRIS OTTAWA ILLINOIS
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates
DATE: 04/2026					

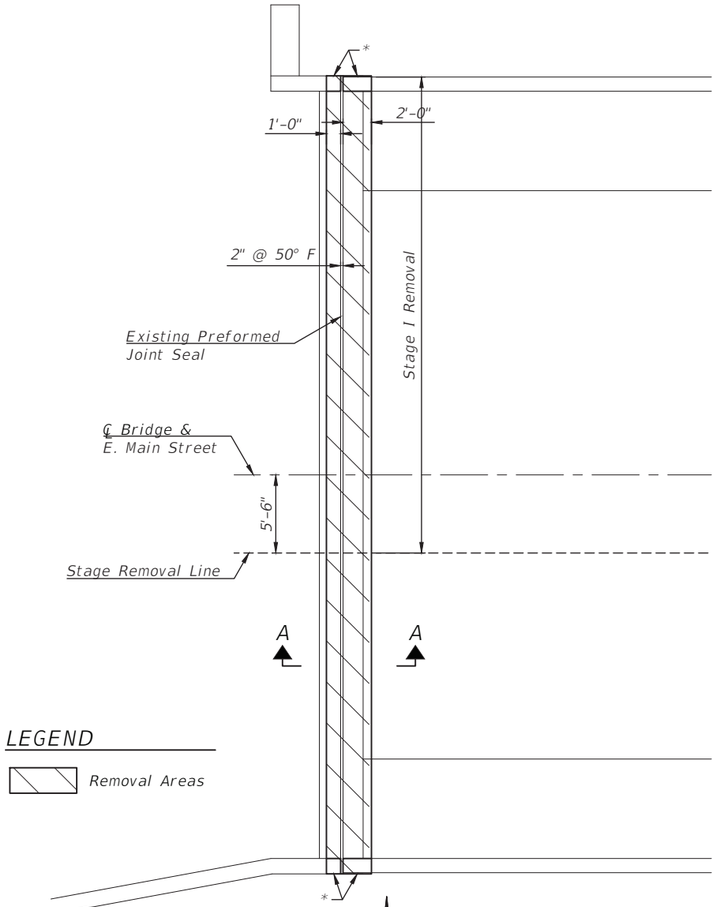
F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

GENERAL PLAN AND ELEVATION
S.N. 050-7400
SHEET 1 of 10 SHEETS

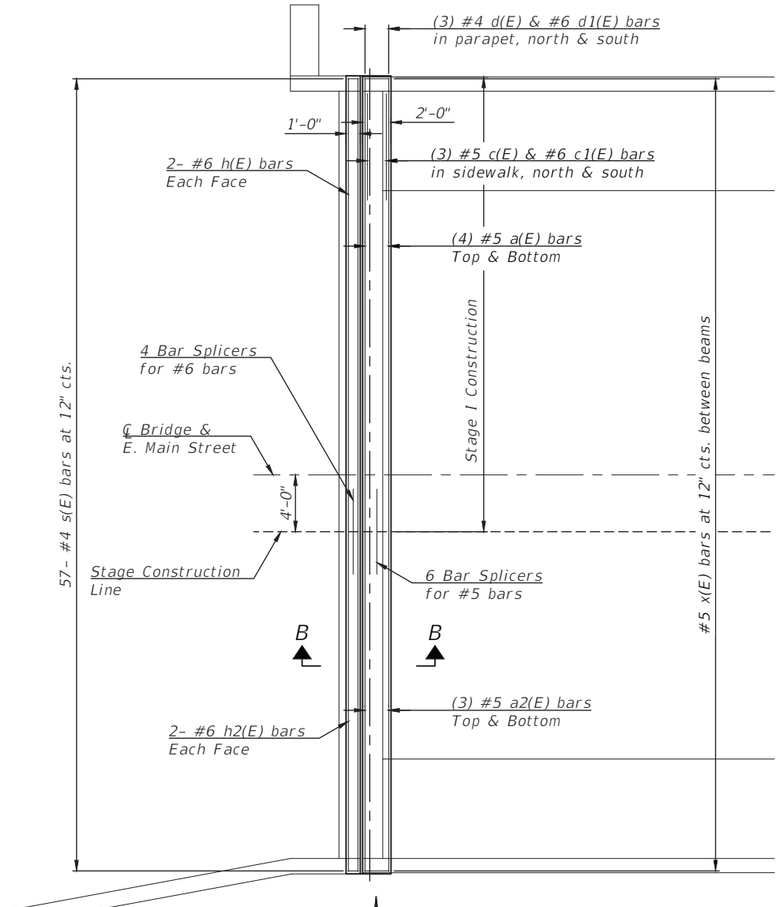
BID SET

CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 11
FILE NO.: 111535.00 Y-	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	----	LASALLE	20	12
	---- ILLINOIS			



JOINT REMOVAL PLAN



JOINT REPLACEMENT PLAN

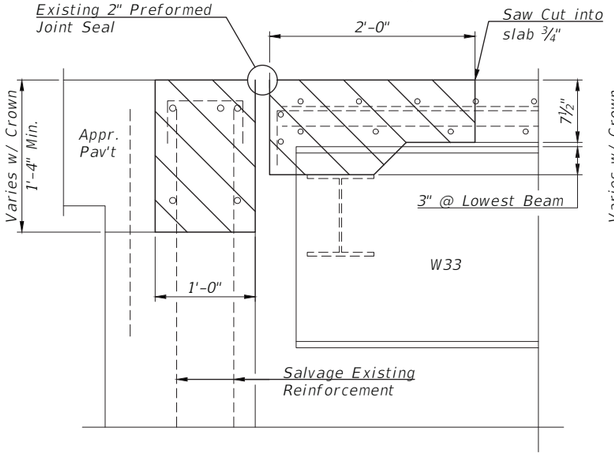
BILL OF MATERIAL (TWO JOINTS)

Bar	No.	Size	Length	Shape
a(E)	12	#5	31'-8"	
a2(E)	12	#5	23'-8"	
c(E)	12	#5	2'-5"	
c1(E)	12	#5	7'-6"	
d(E)	12	#4	5'-7½"	
d1(E)	12	#6	4'-4½"	
d2(E)	8	#4	2'-1"	
d3(E)	16	#4	6'-5"	
h(E)	8	#6	31'-8"	
h2(E)	8	#6	23'-8"	
s(E)	114	#4	2'-9"	
s1(E)	28	#4	2'-5"	
x(E)	112	#5	2'-5"	
Reinforcement Bars, Epoxy Coated			Pound	2,280
Concrete Superstructure			Cu. Yd.	18.7
Concrete Removal			Cu. Yd.	18.7

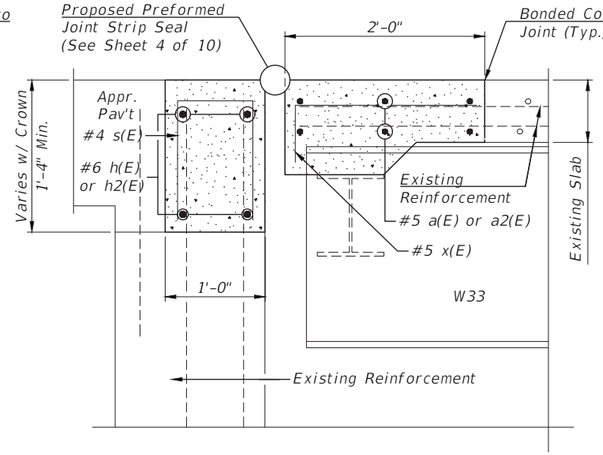
Notes:
Removal of existing expansion joint shall be included in the cost of Concrete Removal.
In parapet/joint removal areas, existing reinforcement bars shown are to be cleaned and incorporated into new construction.
Existing lighting electrical conduit present at each side of east abutment shall be replaced where in conflict with Concrete Removal in deck. Existing wiring shall be salvaged and reconnected. Include in cost of Concrete Removal.

LEGEND

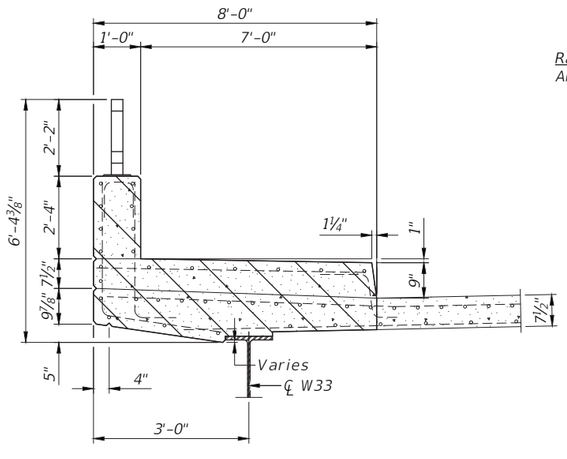
Removal Areas



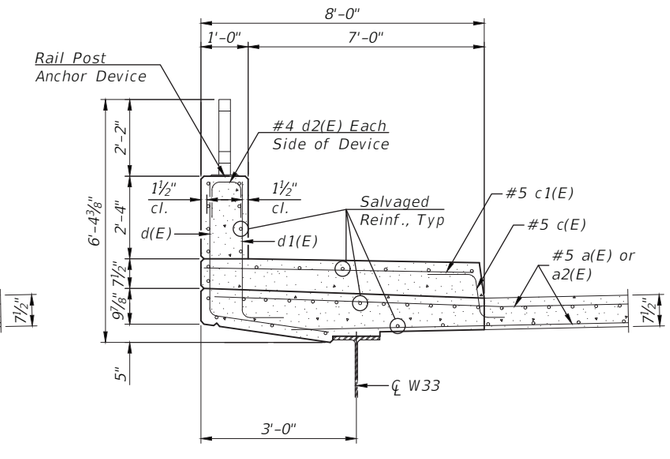
JOINT REMOVAL SECTION A-A



JOINT REPLACEMENT SECTION B-B



PARAPET & SIDEWALK REMOVAL CROSS-SECTION

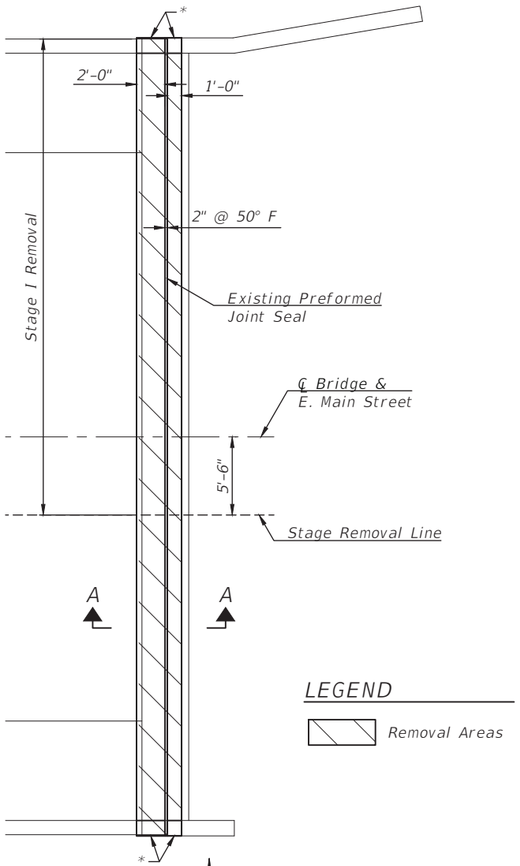


PARAPET & SIDEWALK REPLACEMENT CROSS-SECTION

Work this sheet with Sheet 3 of 7

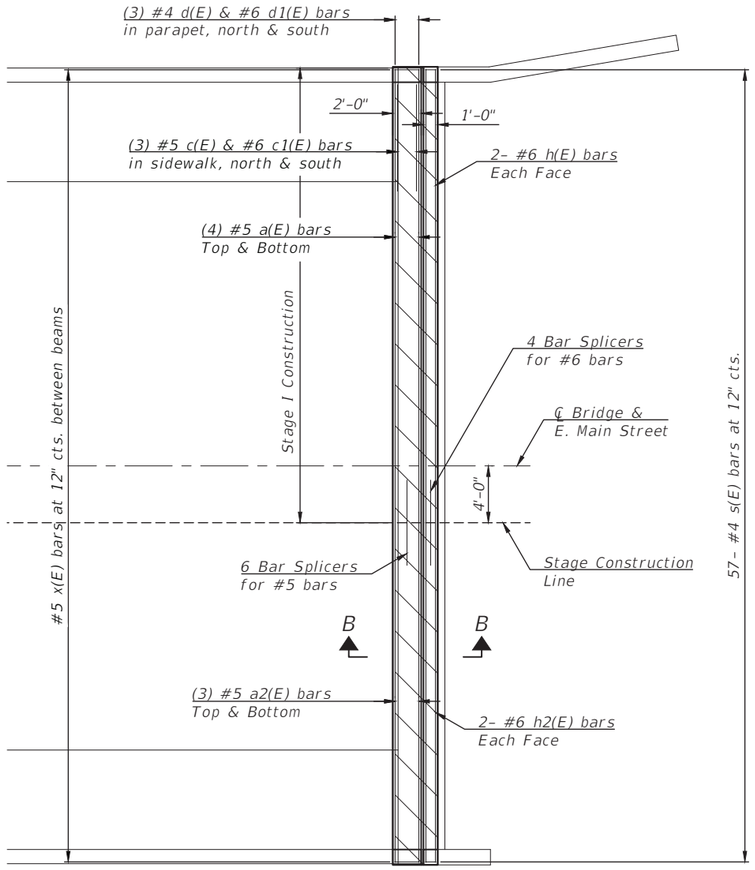
DRAWN BY: KED	REVISIONS				PERU MORRIS OTTAWA ILLINOIS	F.A.U. 6027 (EAST MAIN STREET) S.N. 050-7400 BRIDGE REHABILITATION CITY OF OTTAWA	WEST ABUTMENT EXPANSION JOINT DETAILS S.N. 050-7400 SHEET 2 of 10 SHEETS	BID SET	CURRENT AS OF: 04/22/2026	
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 12
DATE: 04/2026									FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	13
	ILLINOIS			

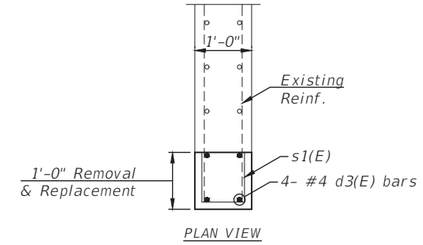


JOINT REMOVAL PLAN

* Parapet Removal & Replacement

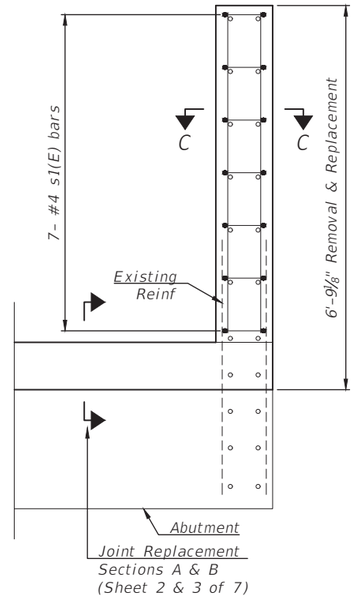


JOINT REPLACEMENT PLAN



PLAN VIEW

SECTION C-C

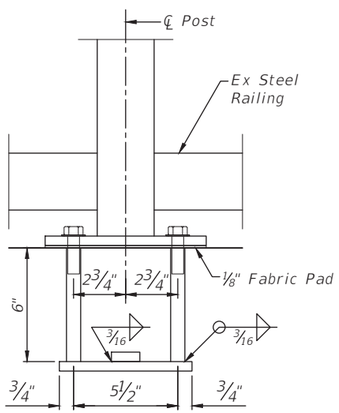


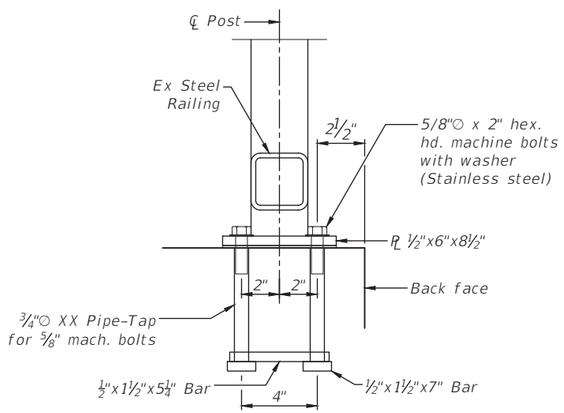
Sections A & B
(Sheet 2 & 3 of 7)

ELEVATION VIEW

ABUTMENT WALL REMOVAL & REPLACEMENT CROSS SECTION

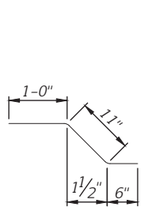
(4 Locations)



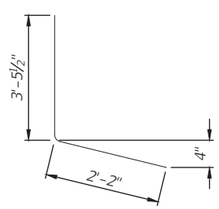


STEEL RAILING ANCHOR BOLT DETAILS

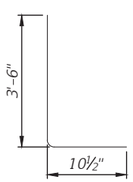
(4 Req'd. - Included in cost of Removing & Re-Erecting Existing Railing)



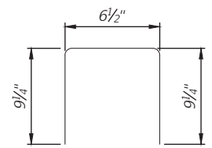
BAR c2(E)



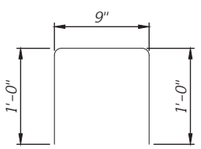
BAR d(E)



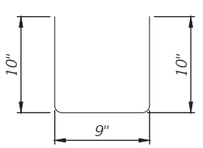
BAR d1(E)



BAR d2(E)



BAR s(E)



BAR s1(E)

Work this sheet with Sheet 2 of 7

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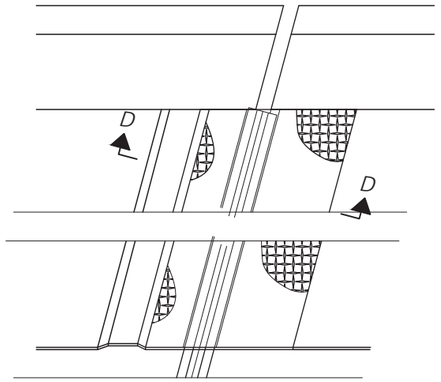
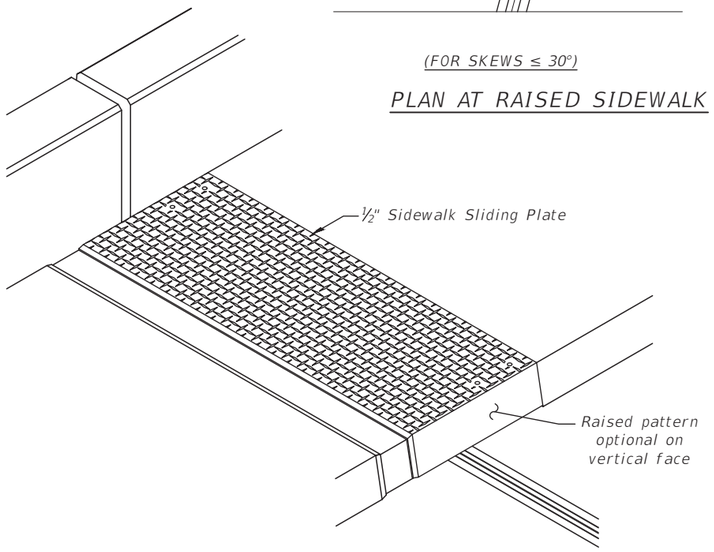
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 13
DATE: 04/2026							SHEET 3 of 10 SHEETS		FILE NO.: 111535.00 Y-	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	14
	ILLINOIS			

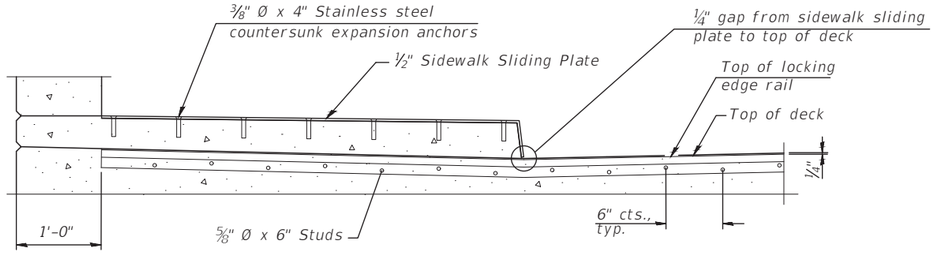


(FOR SKEWS ≤ 30°)

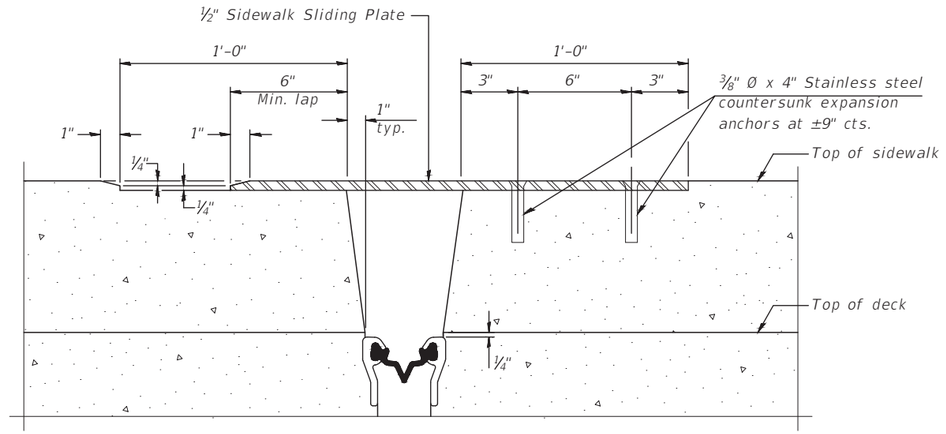
PLAN AT RAISED SIDEWALK



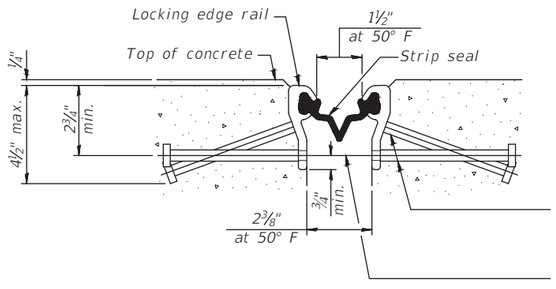
TRIMETRIC VIEW



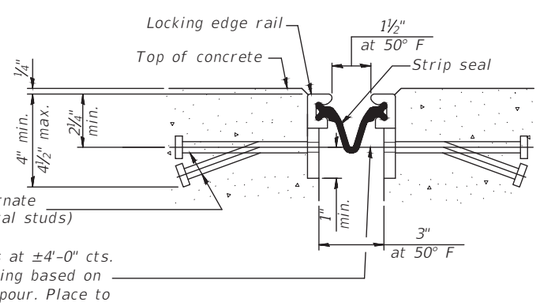
SECTION AT RAISED SIDEWALK



SECTION D-D



SHOWING ROLLED RAIL JOINT



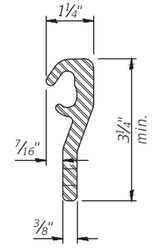
* ⅝" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

⅜" ϕ threaded rods in 7/16" ϕ holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

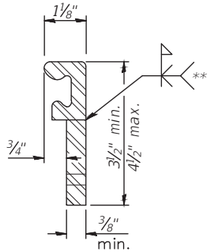
SHOWING WELDED RAIL JOINT

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



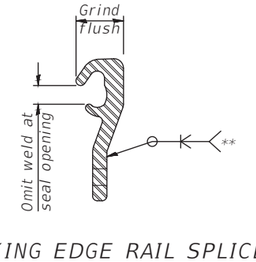
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	108

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.

Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required.

Drawing Name: I:\x\111535.00 - Ottawa Main St. Bridge Repairs\CAD\PLANS\111535-014-PJSS.dwg Last Modified: Wednesday, April 22, 2026 8:24:22 AM Plotted On: Wednesday, April 22, 2026 8:32:29 AM by Kurt Decker

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CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

Chamlin & Associates

PERU MORRIS OTTAWA ILLINOIS

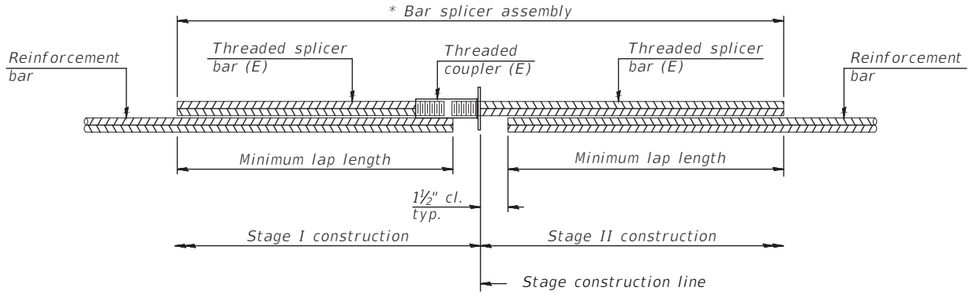
F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

PREFORMED JOINT STRIP DETAIL
S.N. 050-7400
SHEET 4 of 10 SHEETS

BID SET

CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 14
FILE NO.: 111535.00 Y-	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	15
	ILLINOIS			



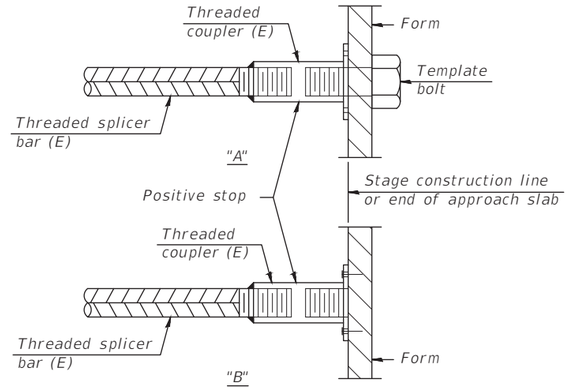
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Abutment	#6	8	3'-1"
Abutment	#5	12	2'-0"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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DATE: 04/2026				

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PERU MORRIS OTTAWA
ILLINOIS

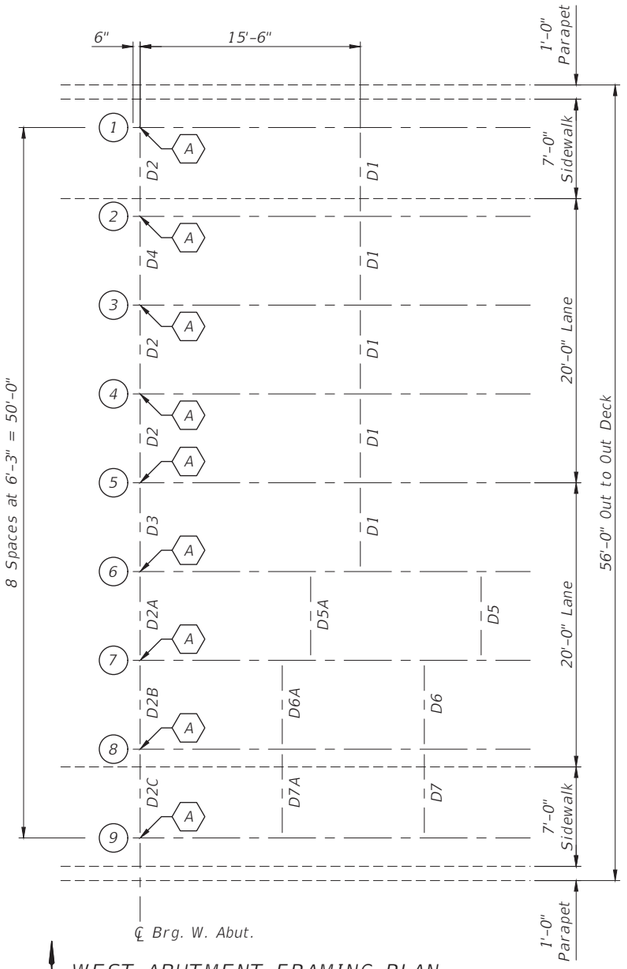
F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

BAR SPLICER ASSEMBLY DETAILS
S.N. 050-7400
SHEET 5 of 10 SHEETS

BID SET

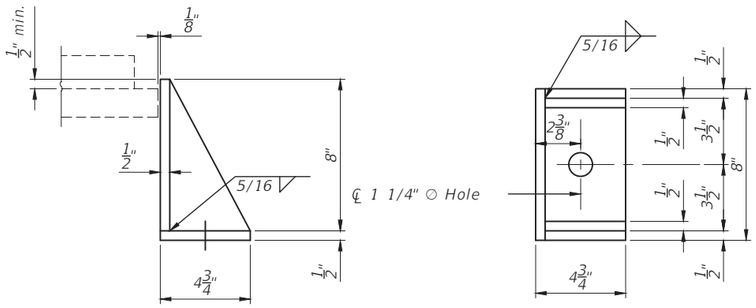
CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	15
FILE NO.: 111535.00 Y–	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	16
	ILLINOIS			



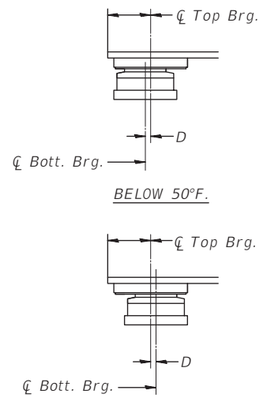
WEST ABUTMENT FRAMING PLAN

(A) Remove and Replace Existing Bearings (9 Locations)



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



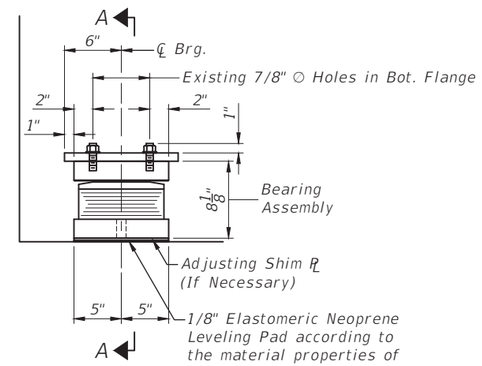
D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

EXPANSION BEARING ORIENTATION

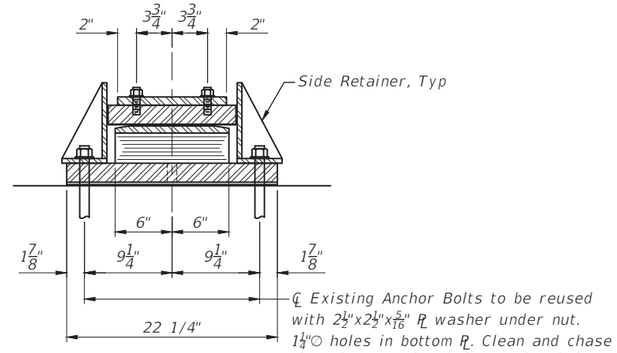
The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.

INTERIOR BEAM REACTION TABLE

Item		Abutments	Piers
$R^{\mathbb{Q}}$	(K)	34.1	94.2
$R^{\mathbb{L}}$	(K)	35.2	49.5
Imp.	(K)	8.7	12.1
R (Total)	(K)	78.0	155.8



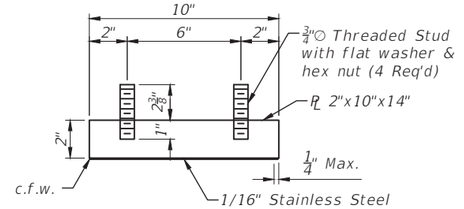
ELEVATION AT W. ABUT.



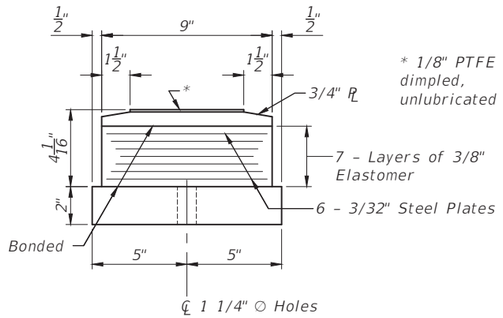
SECTION A–A

℄ Existing Anchor Bolts to be reused with 2 1/2"x2 1/2"x 5/16" PL washer under nut. 1 1/4"∅ holes in bottom PL. Clean and chase threads on anchor bolts. Anchor bolts shall be coated with galvanizing prior to new bearing assembly. (Included in cost of Bearing Assembly)

TYPE II TFE ELASTOMERIC EXP. BRG.



TOP BEARING ASSEMBLY



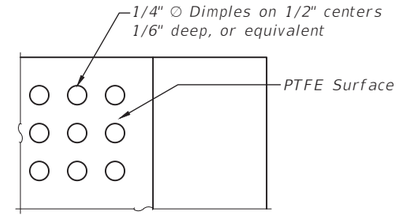
* 1/8" PTFE dimpled, unlubricated

BOTTOM BEARING ASSEMBLY

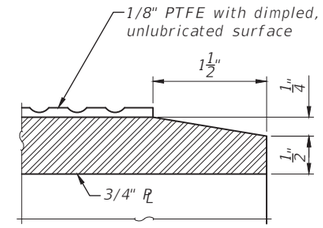
BILL OF MATERIAL

(West Abutment only)

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	9



PLAN – PTFE SURFACE



SECTION THRU PTFE

Notes:

Side retainers and leveling pad required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

The 1/8" PTFE 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-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

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

Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

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DATE: 04/2026				

Chamlin & Associates — PERU MORRIS OTTAWA ILLINOIS

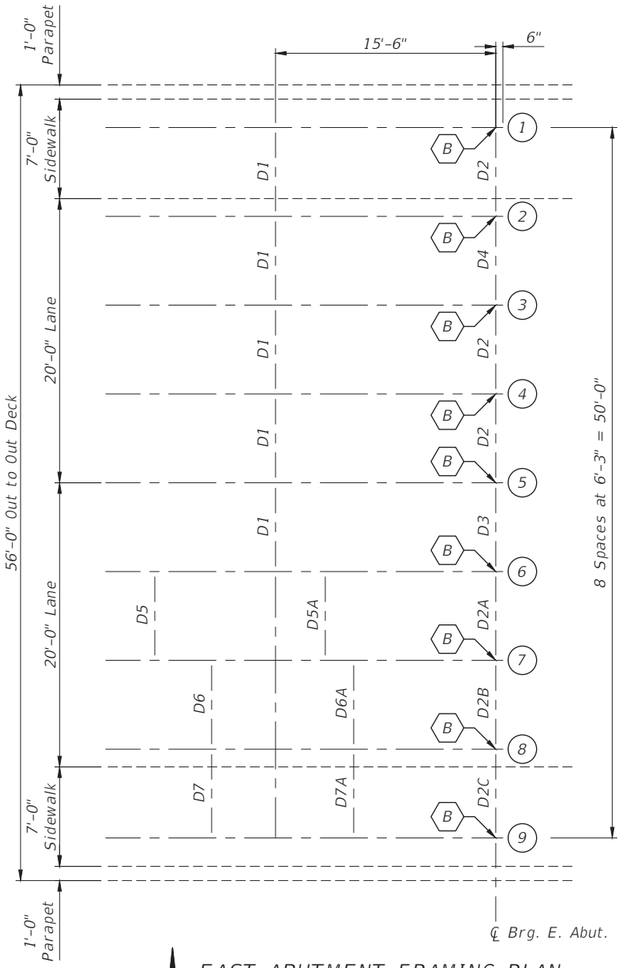
F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

WEST ABUTMENT BEARING DETAILS
S.N. 050-7400
SHEET 6 of 10 SHEETS

BID SET

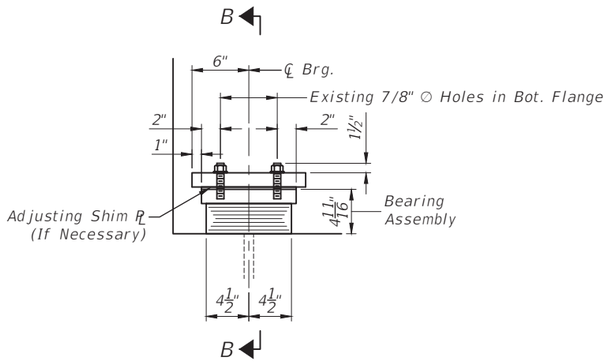
CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 16
FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	17
	ILLINOIS			

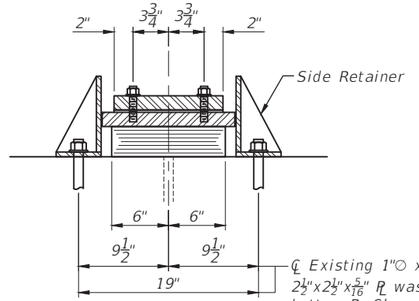


EAST ABUTMENT FRAMING PLAN

(B) Remove and Replace Existing Bearings (9 Locations)



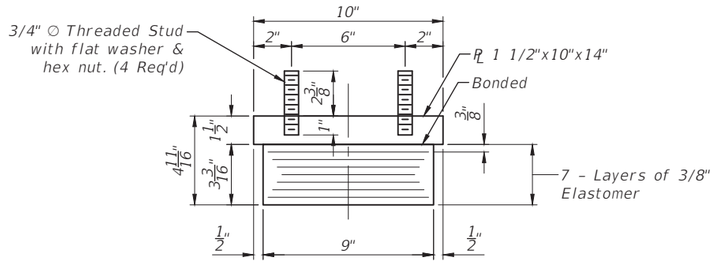
ELEVATION



SECTION B–B

℄ Existing 1"∅ x 12" Anchor Bolts with new 2½"x2½"x5/16" PL washer under nut. 1¼"∅ holes in bottom PL. Clean and chase threads on anchor bolts. Anchor bolts shall be coated with galvanizing prior to new bearing assembly. (Included in cost of Bearing Assembly)

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

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

Notes:
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type 1.

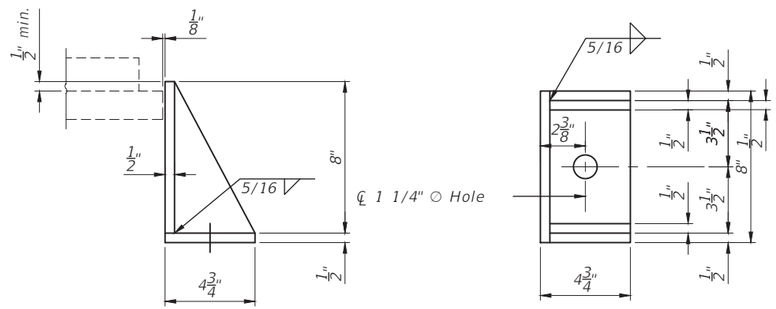
INTERIOR BEAM REACTION TABLE

Item		Abutments	Piers
R^{Q}	(K)	34.1	94.2
R^{L}	(K)	35.2	49.5
Imp.	(K)	8.7	12.1
R (Total)	(K)	78.0	155.8

BILL OF MATERIAL

(East Abutment only)

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	9



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

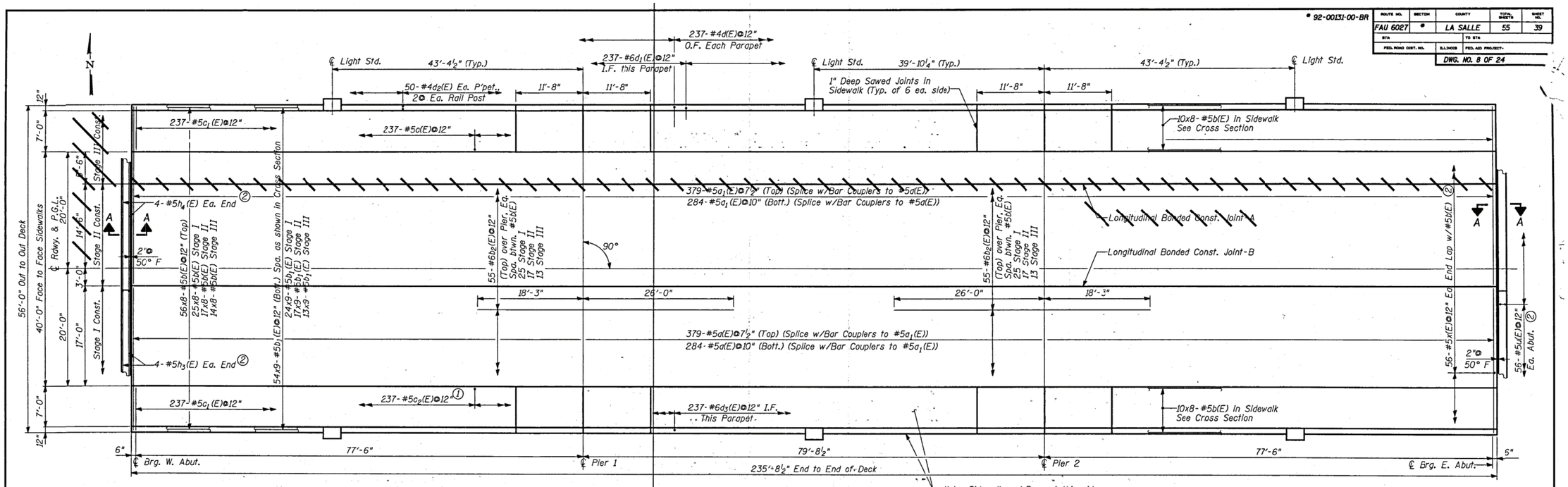
DRAWN BY: KED	REVISIONS				PERU MORRIS OTTAWA ILLINOIS	F.A.U. 6027 (EAST MAIN STREET) S.N. 050-7400 BRIDGE REHABILITATION CITY OF OTTAWA	EAST ABUTMENT BEARING DETAILS S.N. 050-7400	BID SET	CURRENT AS OF: 04/22/2026	
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates		SHEET 7 of 10 SHEETS		SCALE: AS NOTED	SHEET 17
DATE: 04/2026									FILE NO.: 111535.00 Y–	OF 20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	18
	ILLINOIS			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6027	*	LA SALLE	55	39
STA		TO STA		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

DWG. NO. 8 OF 24

* 92-00131-00-BR



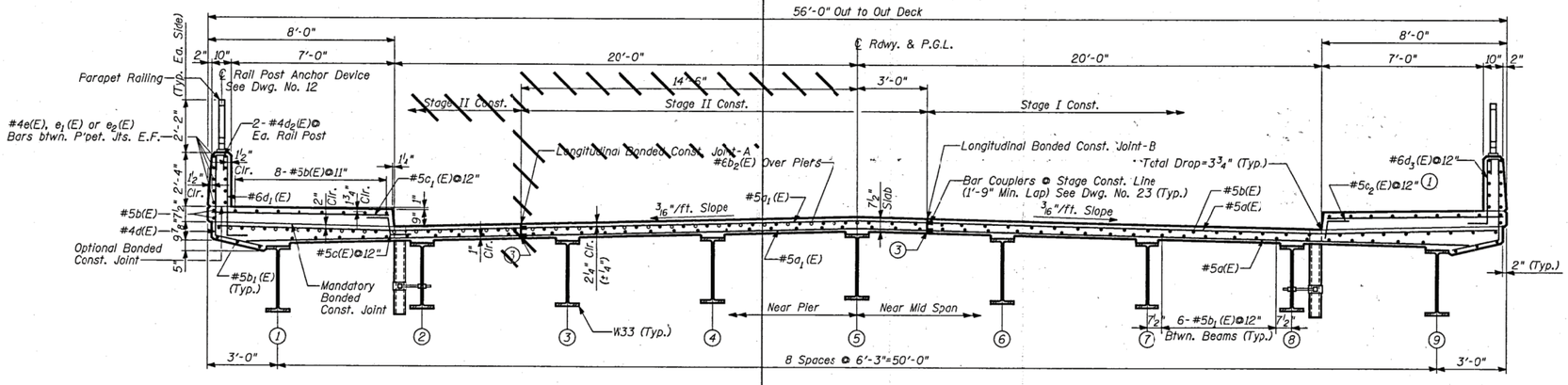
PLAN

① Field Drill and Epoxy Grout in place during Stage III; Cost of drilling and grouting is incidental to Reinforcement Bars, Epoxy Coated.

② See Section A-A.

Min. Bar Lap	
#5	1'-8"

NOTE: LONGITUDINAL BONDED CONSTRUCTION JOINT-A OMITTED DURING CONSTRUCTION.



CROSS SECTION
(Looking East)

③ Bars at this location shall have double the number of ties normally used.

NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus: 56x8-#5b(E), etc. indicates 56 lines of bars with 8 lengths per line.
3. See Dwg. No. 9 for Section A-A.
4. See Dwg. No's. 9 and 10 for additional details.
5. See Dwg. No. 10 for Bill of Material.

AS-BUILT

SUPERSTRUCTURE
FAU 6027
EAST MAIN STREET OVER FOX RIVER
CITY OF OTTAWA-SECTION 92-00131-00-BR
LA SALLE COUNTY
STA. 3+81.76
STRUCTURE NO. 050-7404

ESCA CONSULTANTS, INC		
DESIGNED BY:	RDP	2/96
DRAWN BY:	CJG	5/96
CHECKED BY:	MTD	5/96
APPROVED BY:	RDP	8/96

DRAWN BY: KED	REVISIONS			
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

Chamlin & Associates

PERU MORRIS OTTAWA ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

EXISTING PLANS
SHEET 8 of 10 SHEETS

BID SET

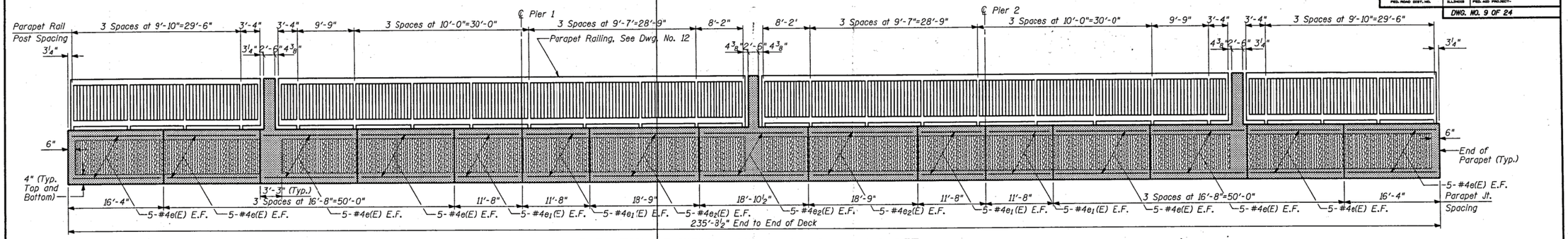
CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	18
FILE NO.: 111535.00 Y-	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	19
	ILLINOIS			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6027	*	LA SALLE	55	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

* 92-00131-00-BR

DWG. NO. 9 OF 24



ELEVATION OF INSIDE FACE OF SIDEWALK PARAPET

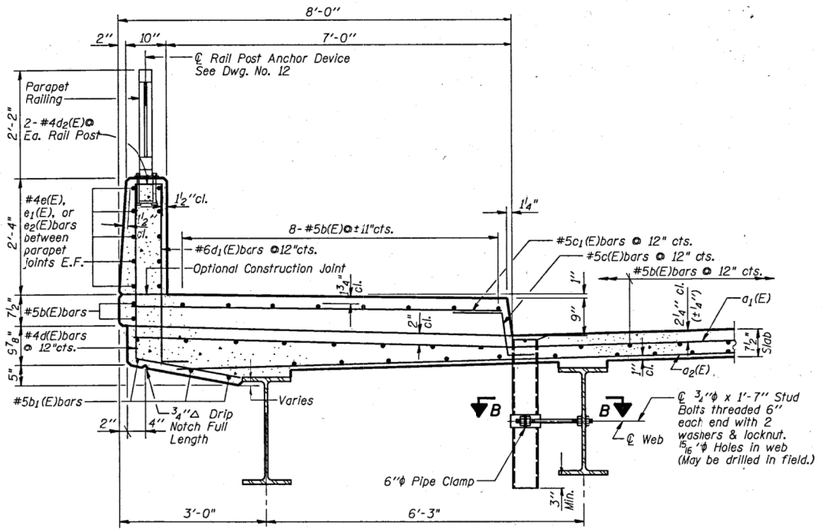
LEGEND

Textured Finish, See Special Provisions and Textured Finish Detail this sheet.

Rubbed Finish (Modified), See Special Provisions

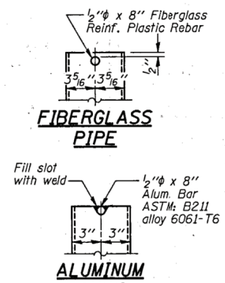
NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Outside Face of Parapet shall recieve the same textured and rubbed finishes shown for the inside face.

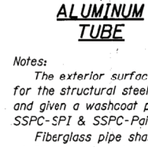


SECTION THRU SIDEWALK

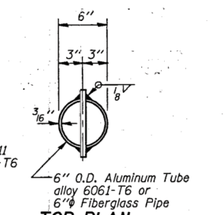
North Sidewalk Shown; South Sidewalk Similar



FIBERGLASS PIPE

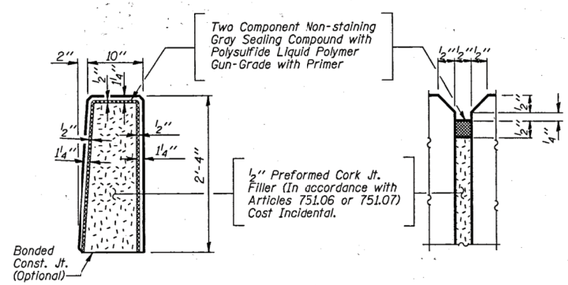


ALUMINUM TUBE



TOP PLAN

(Showing Aluminum Tube)

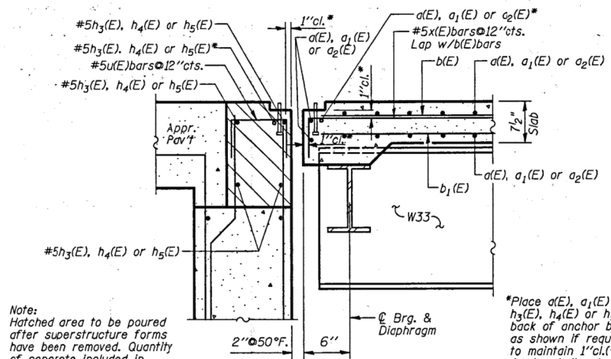


PARAPET JOINT DETAILS

Notes:

The exterior surfaces of the floor drains shall be painted with the finish coat as specified for the structural steel beams. The exterior surfaces of the drain shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SP1 & SSPC-Paint 27 prior to painting.

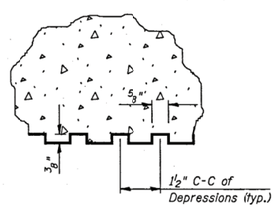
Fiberglass pipe shall conform to ASTM: D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum. The surface of the Fiberglass Pipe shall be free of bond inhibiting agents.



Note:
Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included in Concrete Superstructure.

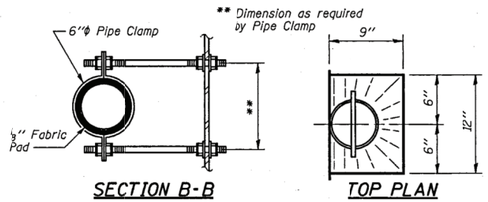
SECTION A-A

*Place a(E), a1(E) or a2(E), and h3(E), h4(E) or h5(E), bars in back of anchor bolt as shown if requirsd to maintain 1"cl.(+0-1/8"). Anchor bolts should be tied to a(E), a1(E), a2(E), h3(E), h4(E) and/or h5(E).



TEXTURED FINISH DETAIL

(View looking down on Textured Finish)



SECTION B-B

TOP PLAN

ESCA CONSULTANTS, INC		
DESIGNED BY:	RDP	2/96
DRAWN BY:	WEM	4/96
CHECKED BY:	MTD	5/96
APPROVED BY:	RDP	8/96

AS-BUILT

SUPERSTRUCTURE DETAILS
FAU 6027
EAST MAIN STREET OVER FOX RIVER
CITY OF OTTAWA-SECTION 92-00131-00-BR
LA SALLE COUNTY
STA. 3+81.76
STRUCTURE NO. 050-7404

DRAWN BY: KED	REVISIONS			
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

Chamlin & Associates — PERU MORRIS OTTAWA ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

EXISTING PLANS

SHEET 9 of 10 SHEETS

BID SET

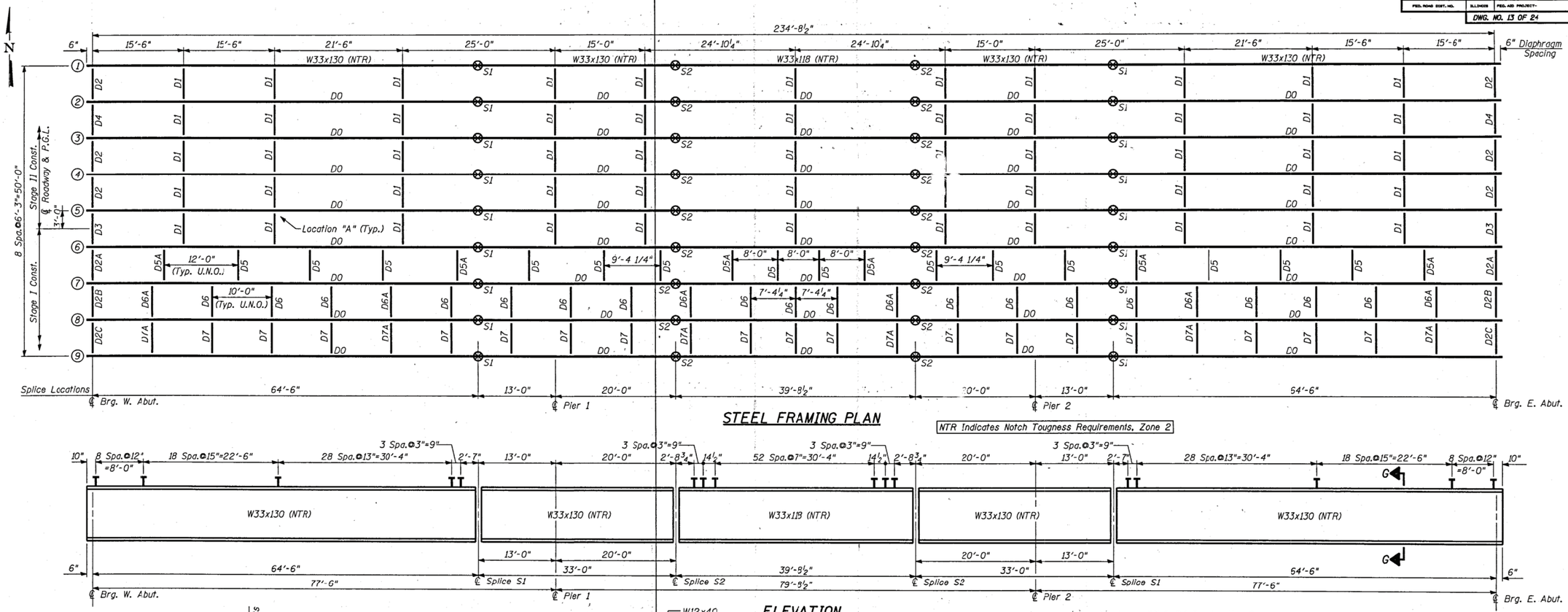
CURRENT AS OF: 04/22/2026		
SCALE: AS NOTED	SHEET	19
FILE NO.: 111535.00 Y–	OF	20

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LASALLE	20	20
	ILLINOIS			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6027	*	LA SALLE	55	44
STA		TO STA		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

DWG. NO. 13 OF 24

* 92-00131-00-BR

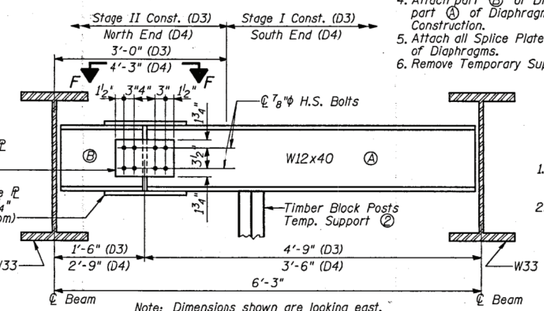


STEEL FRAMING PLAN

NTR Indicates Notch Toughness Requirements, Zone 2

ELEVATION

(Showing Spacing for Stud Shear Connectors)



Note: Dimensions shown are looking east. For details of connections to beams see diaphragm D2 on this sheet.

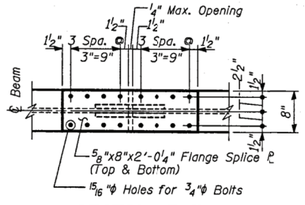
DIAPHRAGMS D3 & D4

(2-D3 & 2-D4 Required)

② Temp. Support System is cost incidental to Furnishing and Erecting Structural Steel.

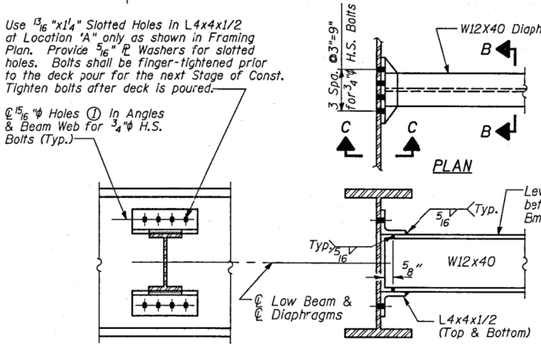
Diaphragm D3 & D4 Construction Sequence

1. Order Diaphragms in two sections as shown.
2. Attach part Ⓐ of Diaphragm to Beam during earlier Stage of Construction.
3. Place Temporary Support System between part Ⓐ of Diaphragm and Abutment Bearing Seat.
4. Attach part Ⓑ of Diaphragm to both Beam and part Ⓐ of Diaphragm during later Stage of Construction.
5. Attach all Splice Plates to part Ⓐ and part Ⓑ of Diaphragms.
6. Remove Temporary Support System.



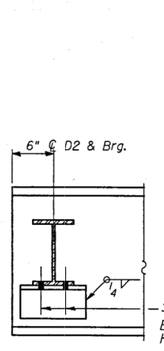
SECTION F-F

Use 13/16"x1¼" Slotted Holes in L4x4x1/2 at Location "A" only as shown in Framing Plan. Provide 5/16" PL Washers for slotted holes. Bolts shall be finger-tightened prior to the deck pour for the next Stage of Const. Tighten bolts after deck is poured.

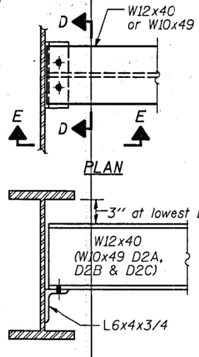


SECTION B-B

SECTION C-C



SECTION D-D



SECTION E-E

DIAPHRAGM D1

(55 Required)

① Hardened washers shall be required over all oversize holes (2 per bolt)

DIAPHRAGMS D2, D2A, D2B & D2C

(6-D2, 2-D2A, 2-D2B & 2-D2C Required)

Note: Two D2A diaphragms (between beams ⑥ & ⑦) shall have pipe supports similar to diaphragm D5 as shown on Dwg. No 14. D2B & D2C diaphagms shall have pipe supports as shown on Sheet No. 27.

NOTES

1. See Dwg. No. 14 for Section G-G & Diaphragms D5 & D5A.
2. All beams & Splice PL's excluding Fill PL's are M270 Grade 50 Structural Steel.

AS-BUILT

ESCA CONSULTANTS, INC		
DESIGNED BY:	RDP	5/96
DRAWN BY:	CJG	5/96
CHECKED BY:	MTD	5/96
APPROVED BY:	RDP	8/96

STEEL FRAMING PLAN
FAU 6027
EAST MAIN STREET OVER FOX RIVER
CITY OF OTTAWA-SECTION 92-00131-00-BR
LA SALLE COUNTY
STA. 3+81.76
STRUCTURE NO. 050-7404

DRAWN BY: KED	REVISIONS			
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2026				

Chamlin & Associates

PERU MORRIS OTTAWA ILLINOIS

F.A.U. 6027 (EAST MAIN STREET)
S.N. 050-7400 BRIDGE REHABILITATION
CITY OF OTTAWA

EXISTING PLANS

SHEET 10 of 10 SHEETS

BID SET

CURRENT AS OF: 04/22/2026	
SCALE: AS NOTED	SHEET 20
FILE NO.: 111535.00 Y–	OF 20