

INDEX OF SHEETS

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25	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

STATE STANDARDS

701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMPS FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF LANSING.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. 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.
9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
10. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. EXISTING PAVEMENT MARKINGS SHALL BE TEMPORARILY COVERED PRIOR TO APPLICATION OF THE DECK SURFACE TREATMENT, TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKINGS AND TO PROTECT THE REFLECTIVE PROPERTIES OF THE MARKINGS. THE TEMPORARY COVERING MATERIAL USED SHALL BE SUCH THAT IT WILL NOT AFFECT THE MARKING'S REFLECTIVITY WHEN REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC. COST INCLUDED WITH CONCRETE SEALER.
12. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS. FOR QUESTIONS PLEASE CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847)-705-4151.

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REV. - MS

USER NAME = condrevate	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	358						2018-072-BJR&BDS	COOK	25	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H19				ILLINOIS		FED. AID PROJECT		
PLOT DATE = 12/21/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0047				
50102400	CONCRETE REMOVAL	CU YD	0.2	0.2				
50300225	CONCRETE STRUCTURES	CU YD	0.2	0.2				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1				
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT	10	10				
X0900054	PREFORMED JOINT SEAL 2 3/4"	FOOT	189	189				
X0900055	PREFORMED JOINT SEAL 3 1/4"	FOOT	327	327				
X5870015	BRIDGE DECK CONCRETE SEALER	SO FT	206708	206708				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
Z0007124	STEEL RAILING (SPECIAL)	FOOT	48	48				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0047				
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1	1				
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	1.5	1.5				
Z0041895	POLYMER CONCRETE	CU FT	58	58				

SEQUENCE 1

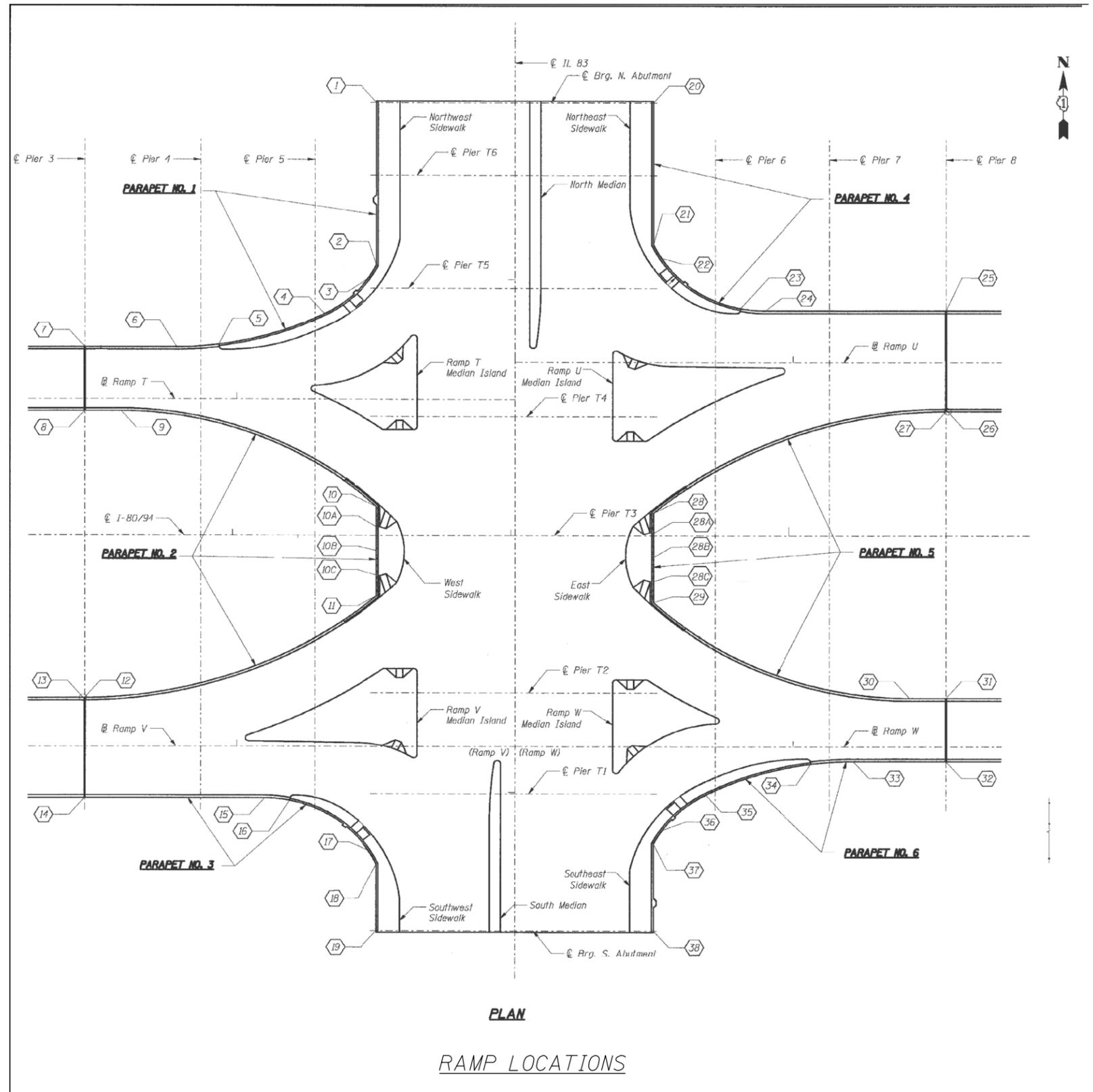
- Full Ramp Closure for Ramp T and Ramp W.
Close Right Turn Lane from NB Torrence Ave. to Ramp W and Right Turn Lane from SB Torrence Ave. to Ramp T.
- Partial Ramp Closure for Ramp V and Ramp U.
Close the Left Two Lanes and Left Turn Lanes.
- Close Left Turn Lanes and Lane 1 on NB and SB Torrence Ave.
- Remove Existing Neoprene Joint and Place Polymer Concrete (Only at Staged Area)
Do Not Place Preformed Joint Seal Until Sequence 3.
- Bridge Deck Sealing within Closure Areas.

SEQUENCE 2

- Full Ramp Closure for Ramp V and Ramp U
- Partial Ramp Closure for Ramp T and Ramp W. Close the Incoming Left Turn Lanes into Ramp T and Ramp W from Torrence Ave.
- Close Lanes 2 and 3 on NB and SB Torrence Ave.
- Keep Lane 1 Open on Torrence Ave. and Keep Right Turn Lane from Torrence Ave. to Ramp T and Ramp W Open.
- Remove Existing Neoprene Joint and Place Polymer Concrete (Only at Staged Area)
Do Not Place Preformed Joint Seal Until Sequence 3.
- Bridge Deck Sealing within Closure Areas.

SEQUENCE 3

- Install Preformed Joint Seal



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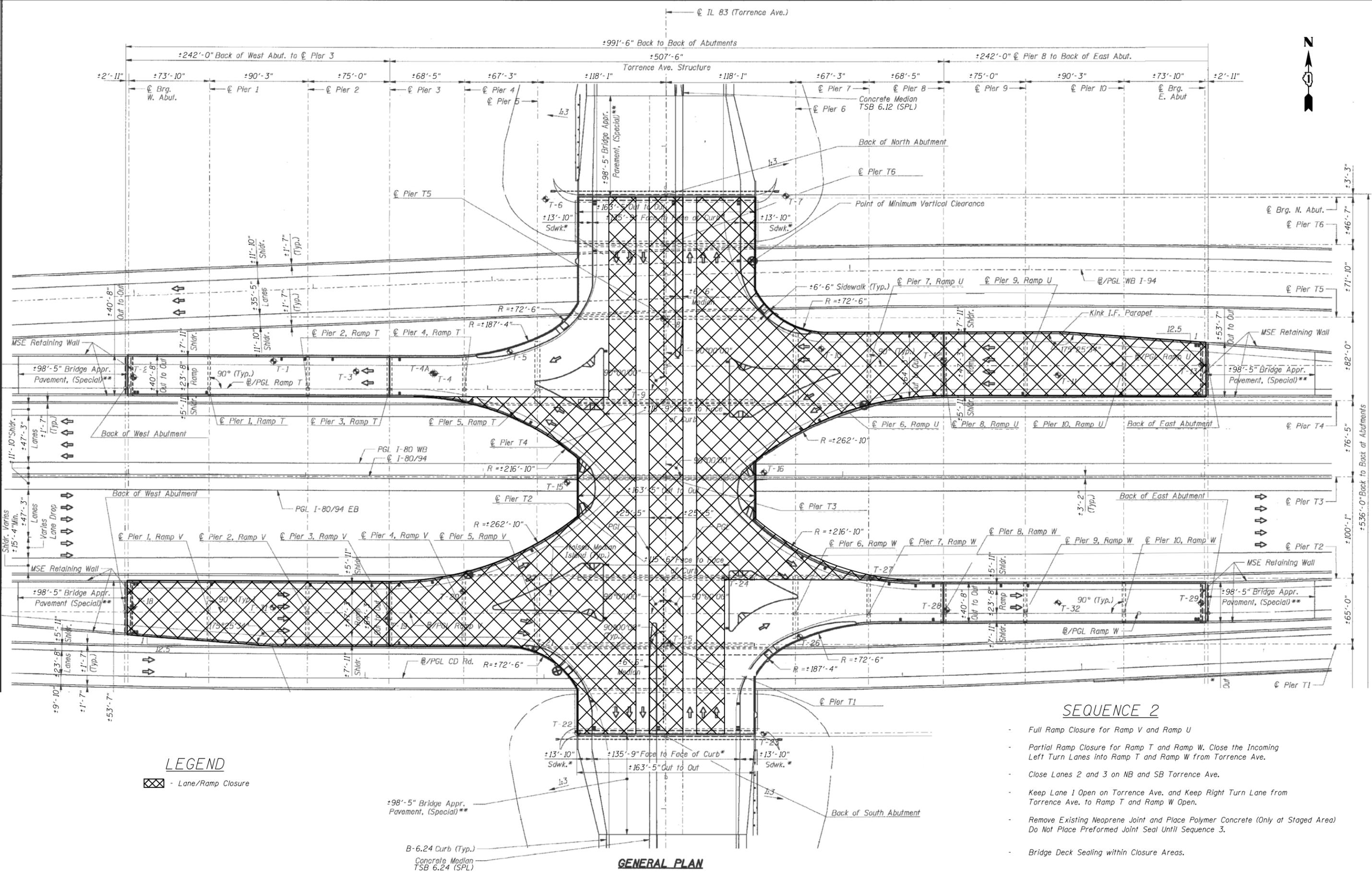
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RECOMMENDED STAGING SEQUENCE
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)**

SCALE: SHEET S1 OF S11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	4
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				



LEGEND

☒ - Lane/Ramp Closure

SEQUENCE 2

- Full Ramp Closure for Ramp V and Ramp U
- Partial Ramp Closure for Ramp T and Ramp W. Close the Incoming Left Turn Lanes into Ramp T and Ramp W from Torrence Ave.
- Close Lanes 2 and 3 on NB and SB Torrence Ave.
- Keep Lane 1 Open on Torrence Ave. and Keep Right Turn Lane from Torrence Ave. to Ramp T and Ramp W Open.
- Remove Existing Neoprene Joint and Place Polymer Concrete (Only at Staged Area) Do Not Place Preformed Joint Seal Until Sequence 3.
- Bridge Deck Sealing within Closure Areas.

GENERAL PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

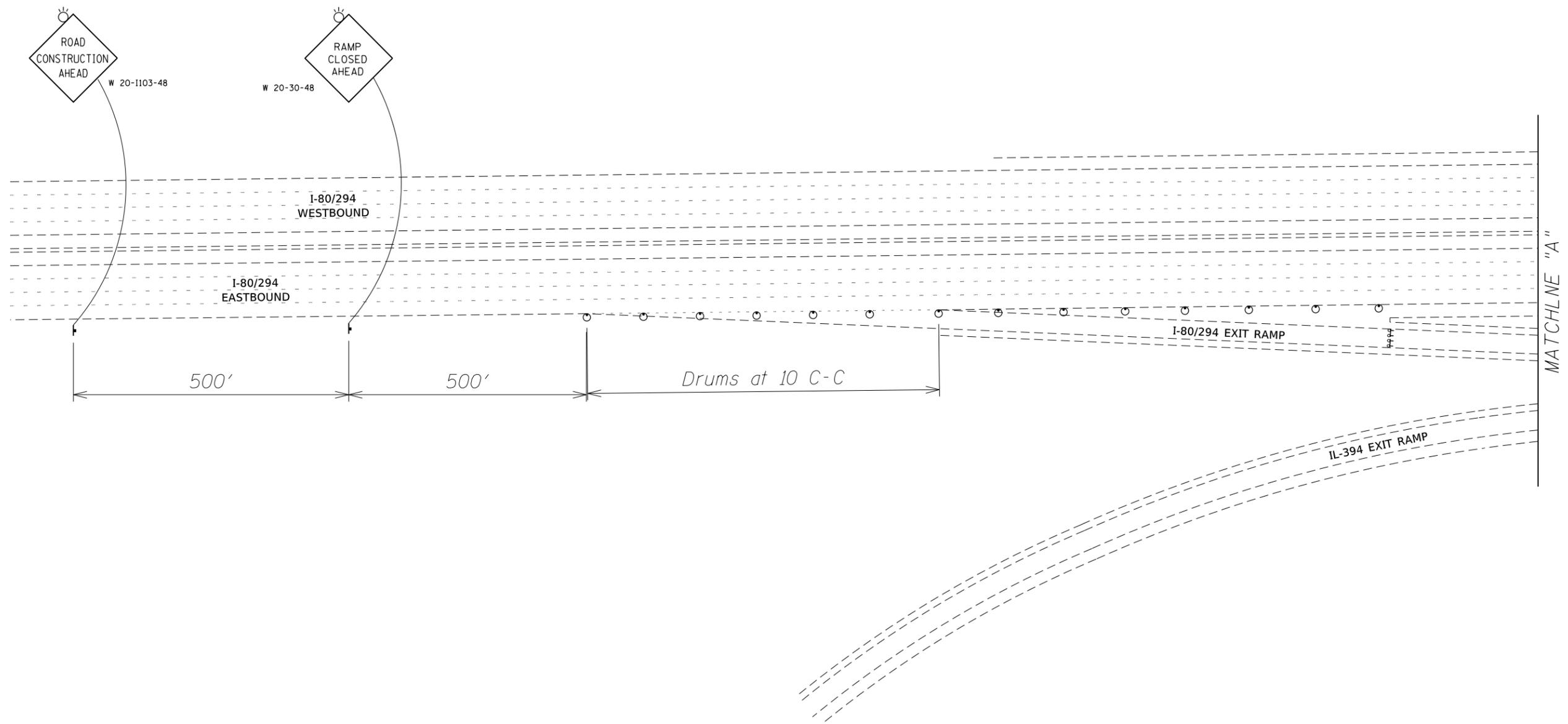
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US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)

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	DRAWN -	REVISED -
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PLOT DATE = 12/21/2018	DATE -	REVISED -

SCALE: SHEET S1 OF S11 SHEETS STA. TO STA.

F.A.P. RTE. 358	SECTION 2018-072-BJR&BDS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H19	

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 PLOT DATE = 12/21/2018



SYMBOLS

- ⊙ - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⚡ - Type III Barricade with Two Flashing Lights

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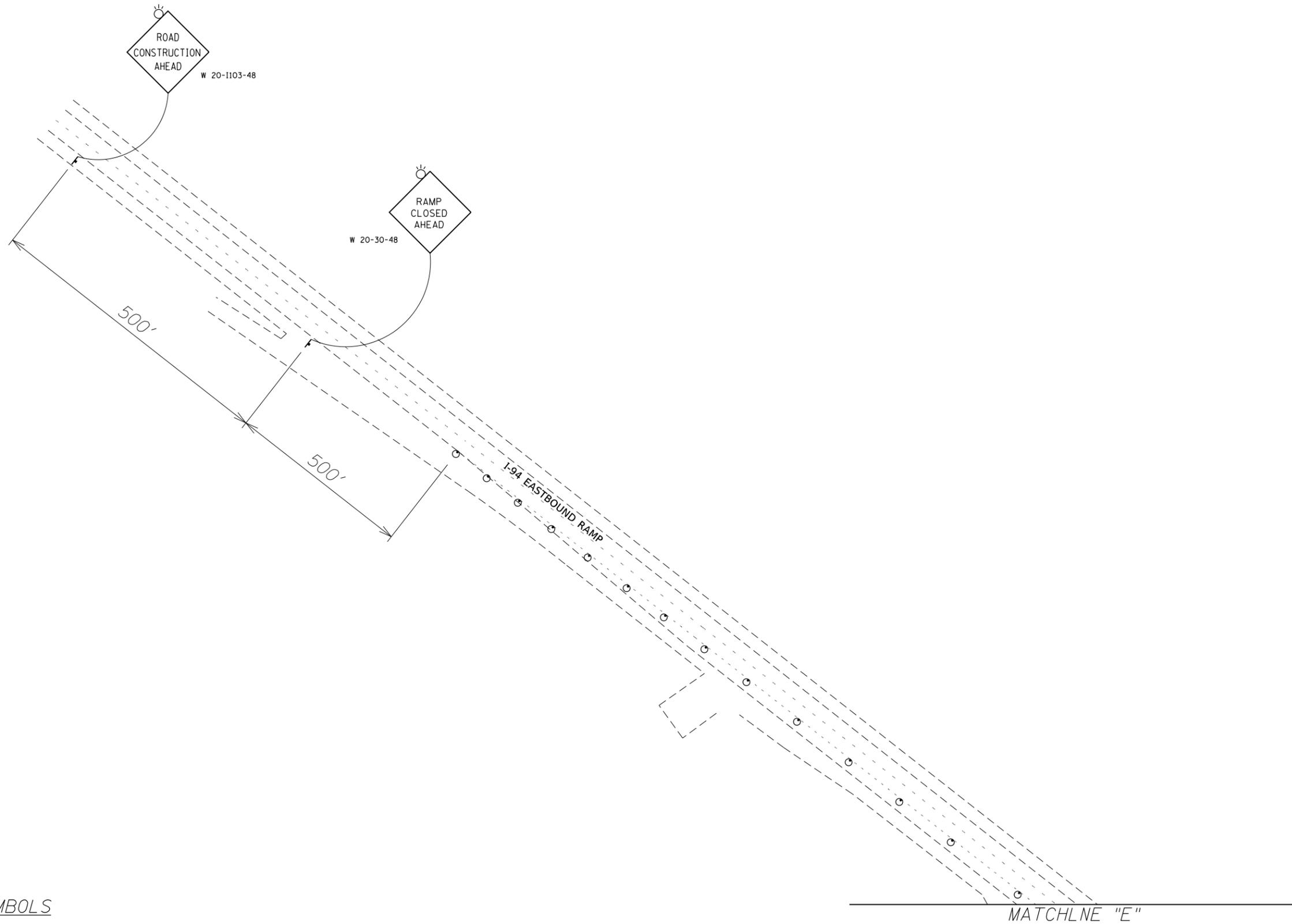
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)**

SCALE: SHEET S1 OF S11 SHEETS STA. TO STA.

F.A.P. RTE. 358	SECTION 2018-072-BJR&BDS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 7
ILLINOIS			FED. AID PROJECT	

MATCHLINE "A"



SYMBOLS

- - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⚡ - Type III Barricade with Two Flashing Lights

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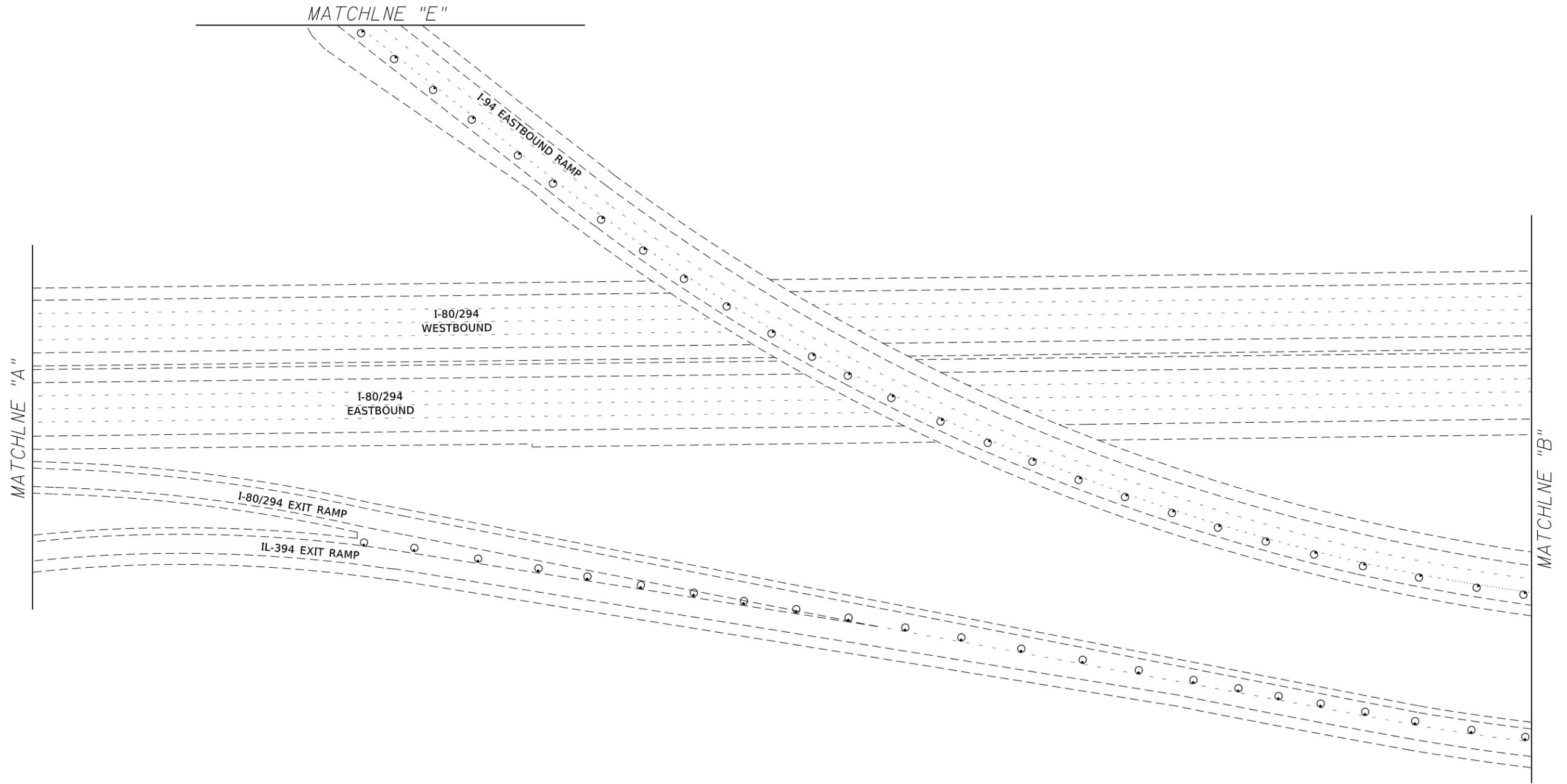
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)

SCALE: SHEET 51 OF 511 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	8
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				



SYMBOLS

- - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⚡ - Type III Barricade with Two Flashing Lights

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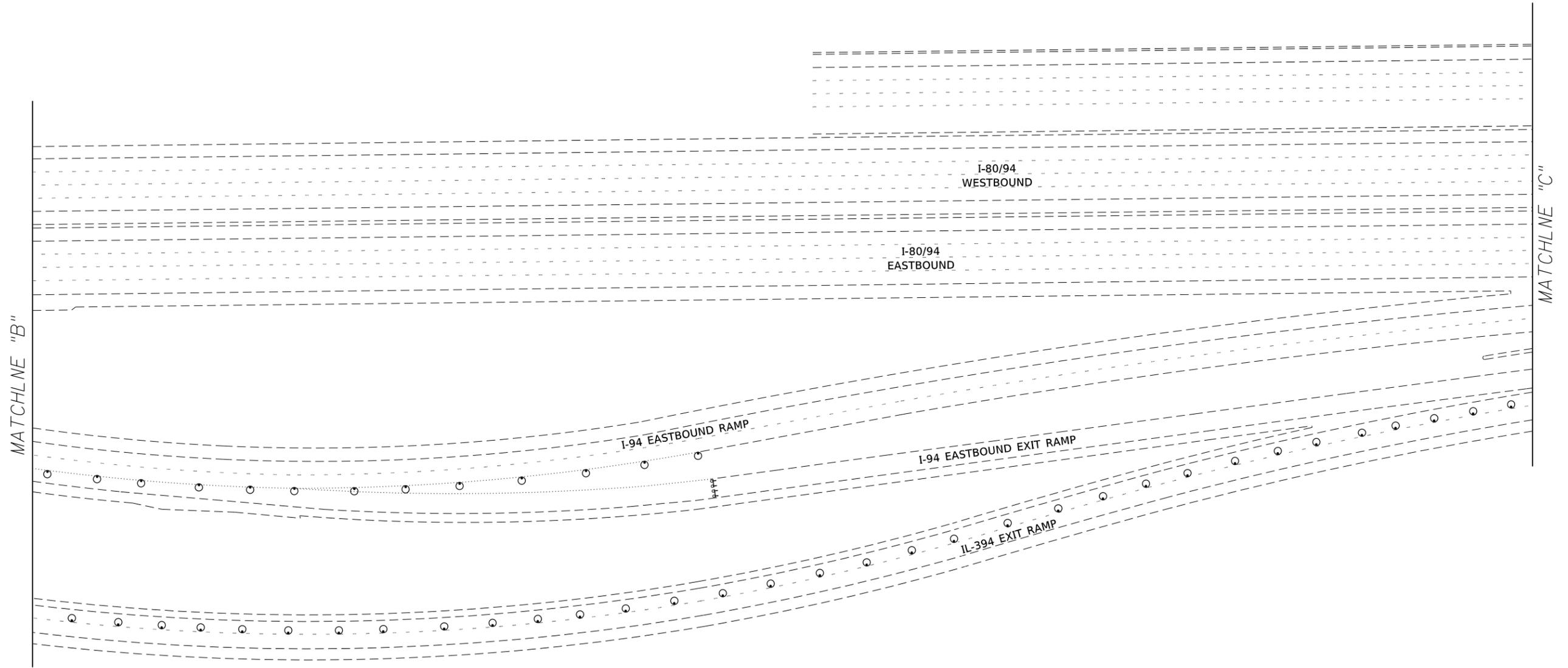
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PLOT DATE = 12/21/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)

SCALE: SHEET 51 OF 511 SHEETS STA. TO STA.

F.A.P. RTE. 358	SECTION 2018-072-BJR&BDS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 9
CONTRACT NO. 62H19			ILLINOIS FED. AID PROJECT	



SYMBOLS

- - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⚡ - Type III Barricade with Two Flashing Lights

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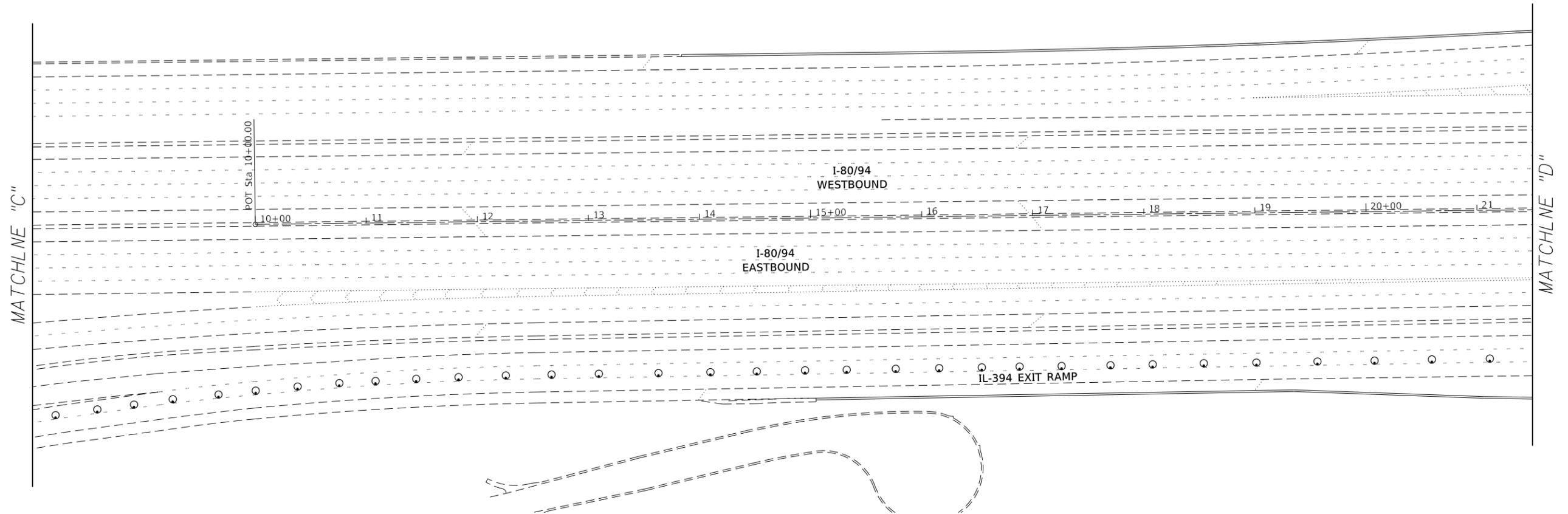
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)**

SCALE: SHEET S1 OF S11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	10
CONTRACT NO. 62H19				
		ILLINOIS	FED. AID PROJECT	



SYMBOLS

- - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⊕ - Type III Barricade with Two Flashing Lights

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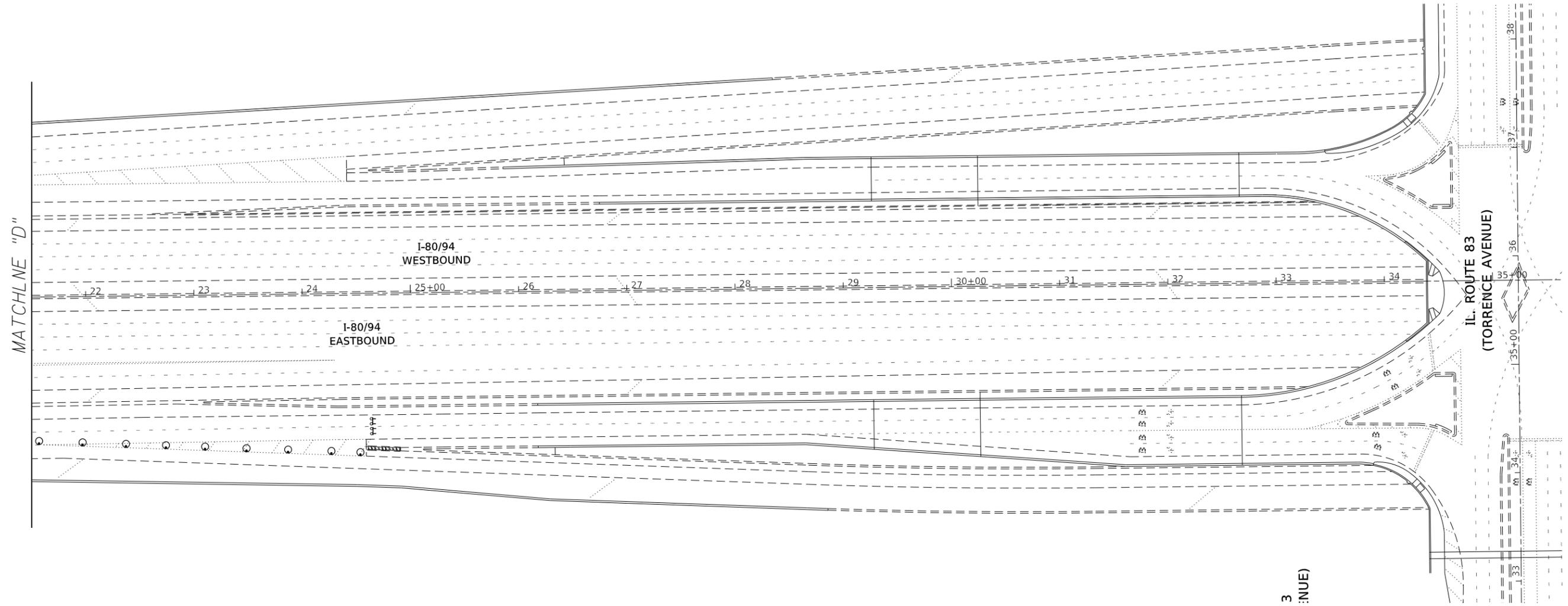
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)

SCALE: SHEET 51 OF 511 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	11
CONTRACT NO. 62H19			ILLINOIS FED. AID PROJECT	



3
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SYMBOLS

- ⊙ - Drums or Barricades with Steady Burning Monodirectional Lights at 25' C-C (Typ.)
- ⚡ - Type III Barricade with Two Flashing Lights

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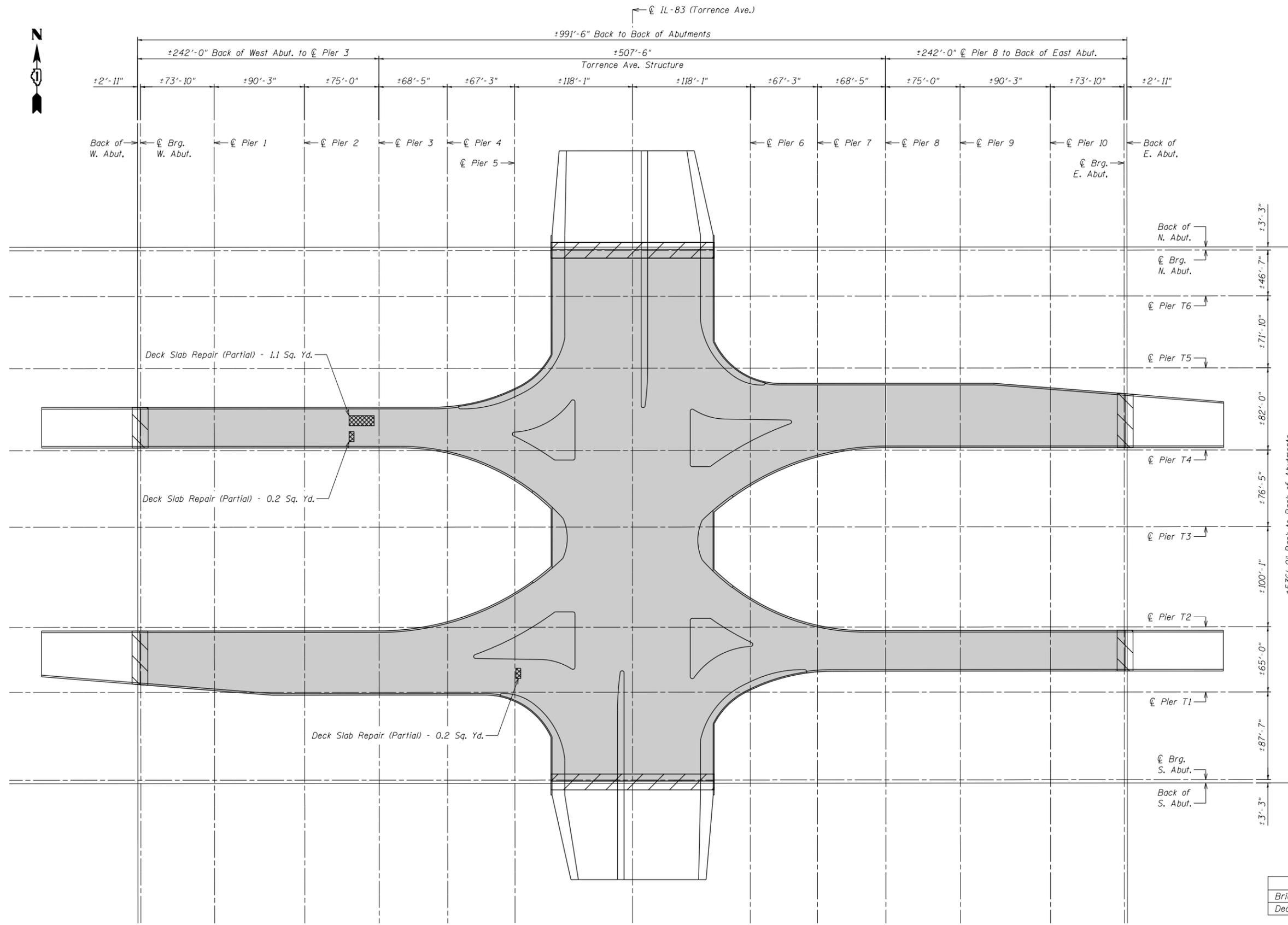
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PLOT DATE = 12/21/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAMP V STAGING PLAN
US 6 /IL-83 (TORRENCE AVENUE) OVER I-80 /I-94 (SN 016-2793)**

SCALE: SHEET S1 OF S11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	12
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				



DECK PLAN

= Bridge Deck Concrete Sealer
 = Preformed Joint Seal
 = Deck Slab Repair Partial Depth

BILL OF MATERIALS

Item	Unit	Quantity
Bridge Deck Concrete Sealer	Sq. Ft.	206,708
Deck Slab Repair Partial Depth	Sq. Yd.	1.5

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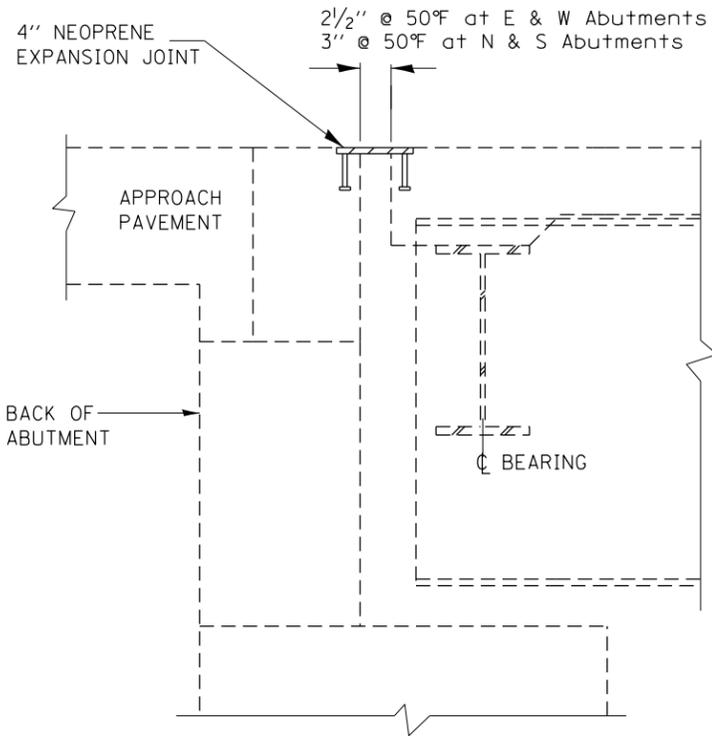
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CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condreva	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

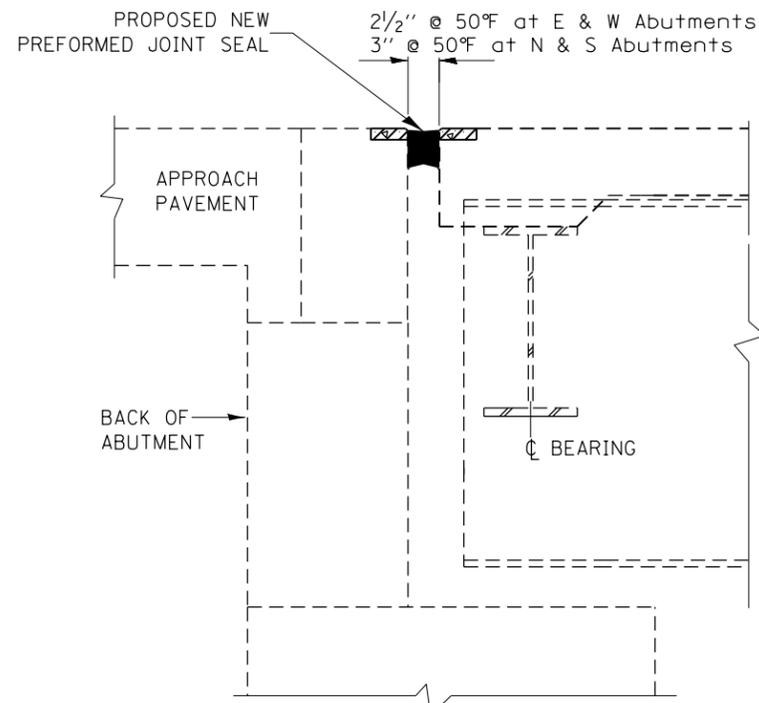
DECK AND JOINT REPAIRS
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

SHEET S3 OF S11 SHEETS

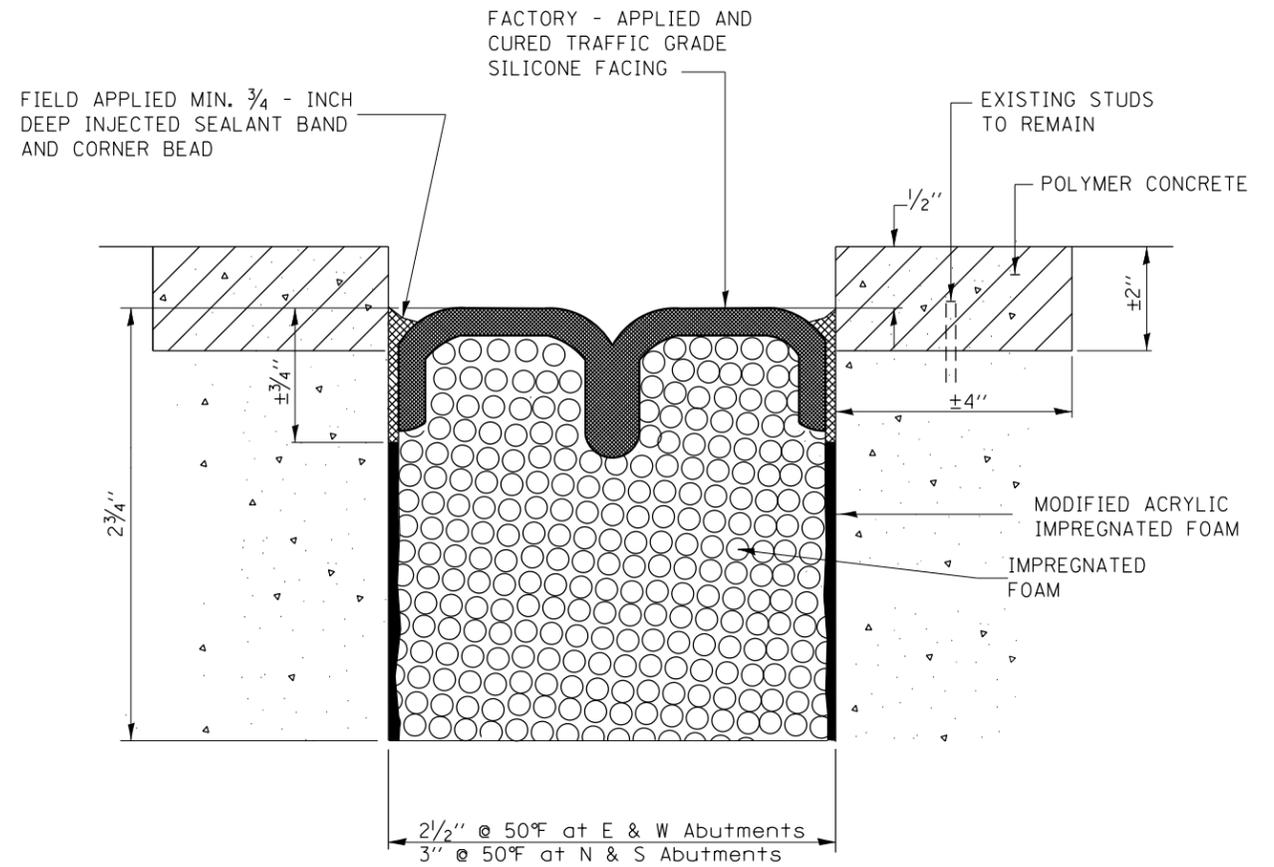
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358	2018-072-BJR&BDS	COOK	25	15
CONTRACT NO. 62H19				
ILLINOIS		FED. AID PROJECT		



SECTION B-B
EXISTING NEOPRENE JOINT SEAL



SECTION B-B
PROPOSED PREFORMED JOINT SEAL



PREFORMED JOINT SEAL
AT NORTH & SOUTH ABUTMENT
& EAST AND WEST ABUTMENTS

BILL OF MATERIALS

	Item	Unit	Quantity
N & S	Preformed Joint Seal 3 1/4"	Foot	327
E & W	Preformed Joint Seal 2 3/4"	Foot	189
	Polymer Concrete	Cu. Ft.	58

NOTES:

1. JOINT SEALS SHALL BE PREFORMED PRE-COMPRESSED, SILICONE COATED SELF-EXPANDING SEALANT SYSTEM.
2. THE REMOVAL OF THE EXISTING JOINT IS INCLUDED IN THE COST OF THE POLYMER CONCRETE

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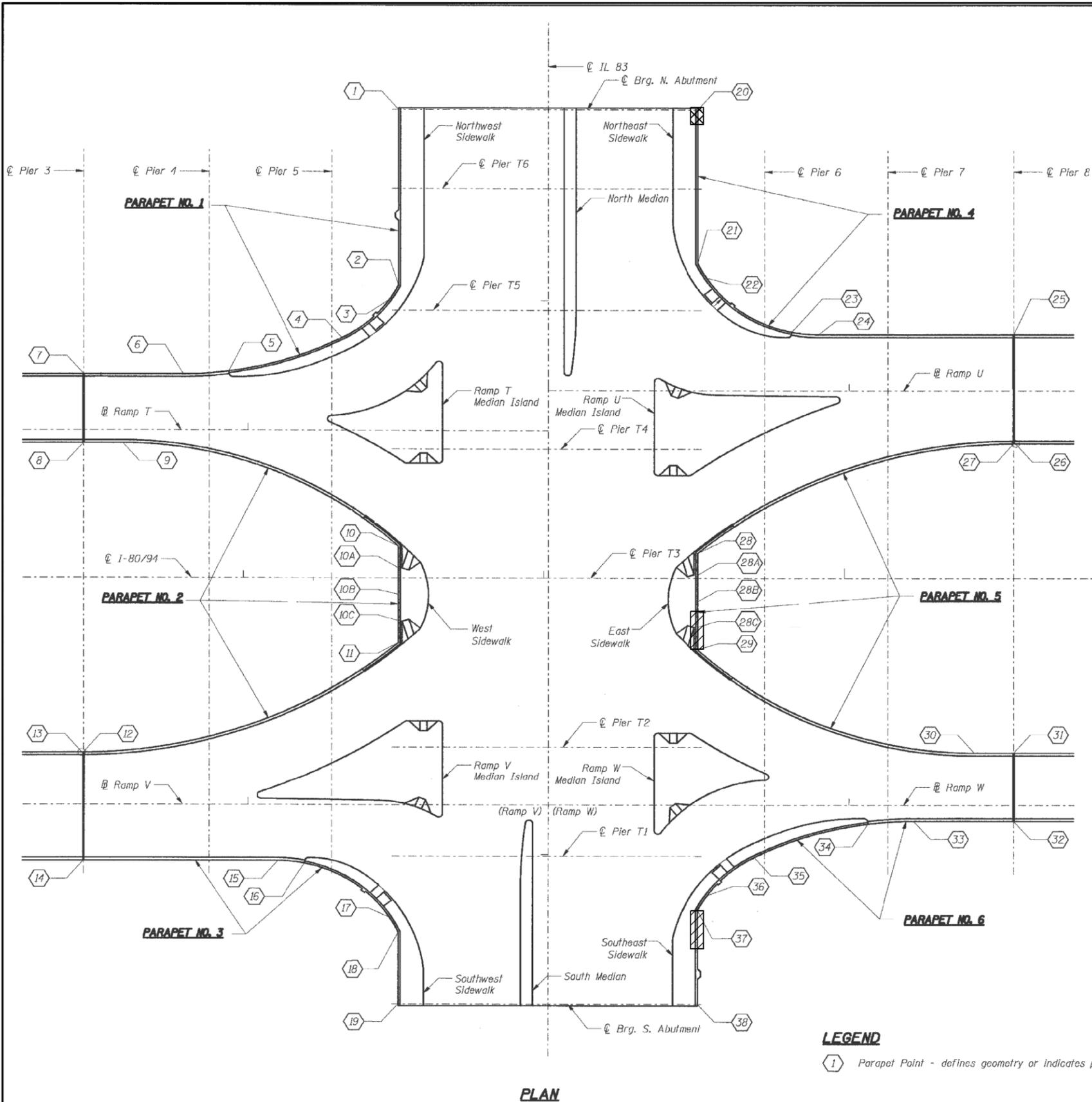
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CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condreva	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS NORTH AND SOUTH ABUTMENT
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

SHEET S4 OF S11 SHEETS

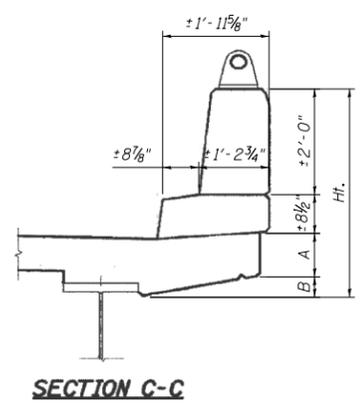
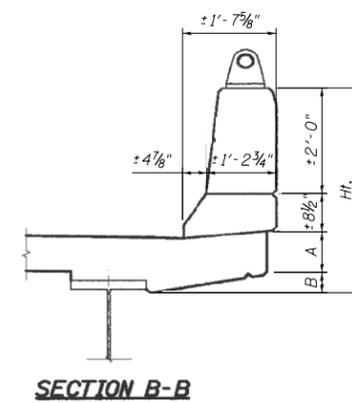
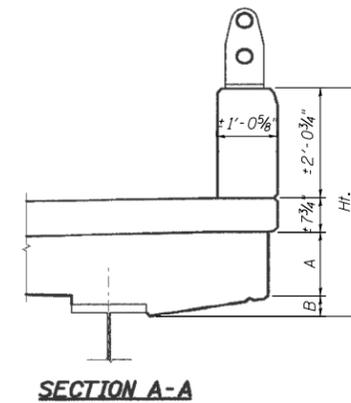
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358	2018-072-BJR&BDS	COOK	25	16
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				



- Concrete Removal & Concrete Structures
- Steel Bridge Rail

PARAPET HEIGHT TABLE					
	Point	"A"	"B"	"Ht."	Section
Parapet No. 1	1	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
	2	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
	3	+9' 4"	+5' 8"	+3' -10' 8"	A-A
	7	+9' 4"	+5' 8"	+3' -10' 8"	B-B
Parapet No. 2	8	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	10	+9' 4"	+5' 8"	+3' -10' 8"	C-C
	10A	+1' -1 1/8"	+5' 8"	+4' -2' 3/4"	A-A
	10B	+1' -4' 1/8"	+5' 8"	+4' -5' 3/4"	A-A
	10C	+1' -1 1/8"	+5' 8"	+4' -2' 3/4"	A-A
	11	+9' 4"	+5' 8"	+3' -10' 8"	C-C
Parapet No. 3	12	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	14	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	17	+9' 4"	+5' 8"	+3' -10' 8"	A-A
	18	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
19	+11' 8"	+5' 8"	+4' -1 1/2"	A-A	

PARAPET HEIGHT TABLE					
	Point	"A"	"B"	"Ht."	Section
Parapet No. 4	20	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
	21	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
	22	+9' 4"	+5' 8"	+3' -10' 8"	A-A
	25	+9' 4"	+5' 8"	+3' -10' 8"	B-B
Parapet No. 5	27	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	28	+9' 4"	+5' 8"	+3' -10' 8"	C-C
	28A	+1' -1 1/8"	+5' 8"	+4' -2' 3/4"	A-A
	28B	+1' -4' 1/8"	+5' 8"	+4' -5' 3/4"	A-A
	28C	+1' -1 1/8"	+5' 8"	+4' -2' 3/4"	A-A
	29	+9' 4"	+5' 8"	+3' -10' 8"	C-C
Parapet No. 6	31	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	32	+9' 4"	+5' 8"	+3' -10' 8"	B-B
	36	+9' 4"	+5' 8"	+3' -10' 8"	A-A
	37	+11' 8"	+5' 8"	+4' -1 1/2"	A-A
38	+11' 8"	+5' 8"	+4' -1 1/2"	A-A	



- LEGEND**
- Parapet Point - defines geometry or indicates parapet/dock transition.

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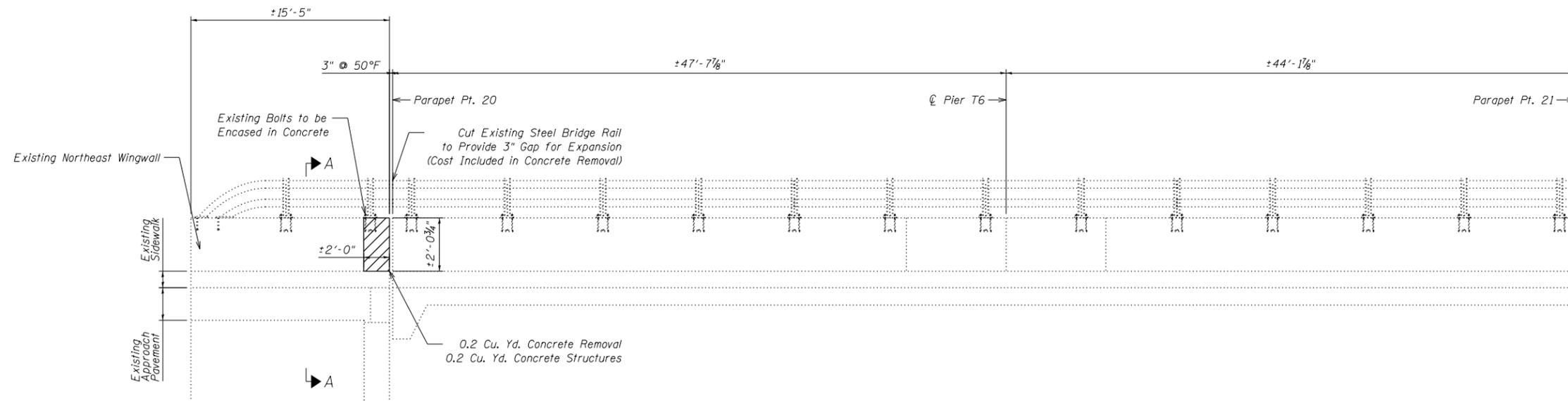
DESIGNED - Tom Condreva	EXAMINED	DATE -
CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condreva	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

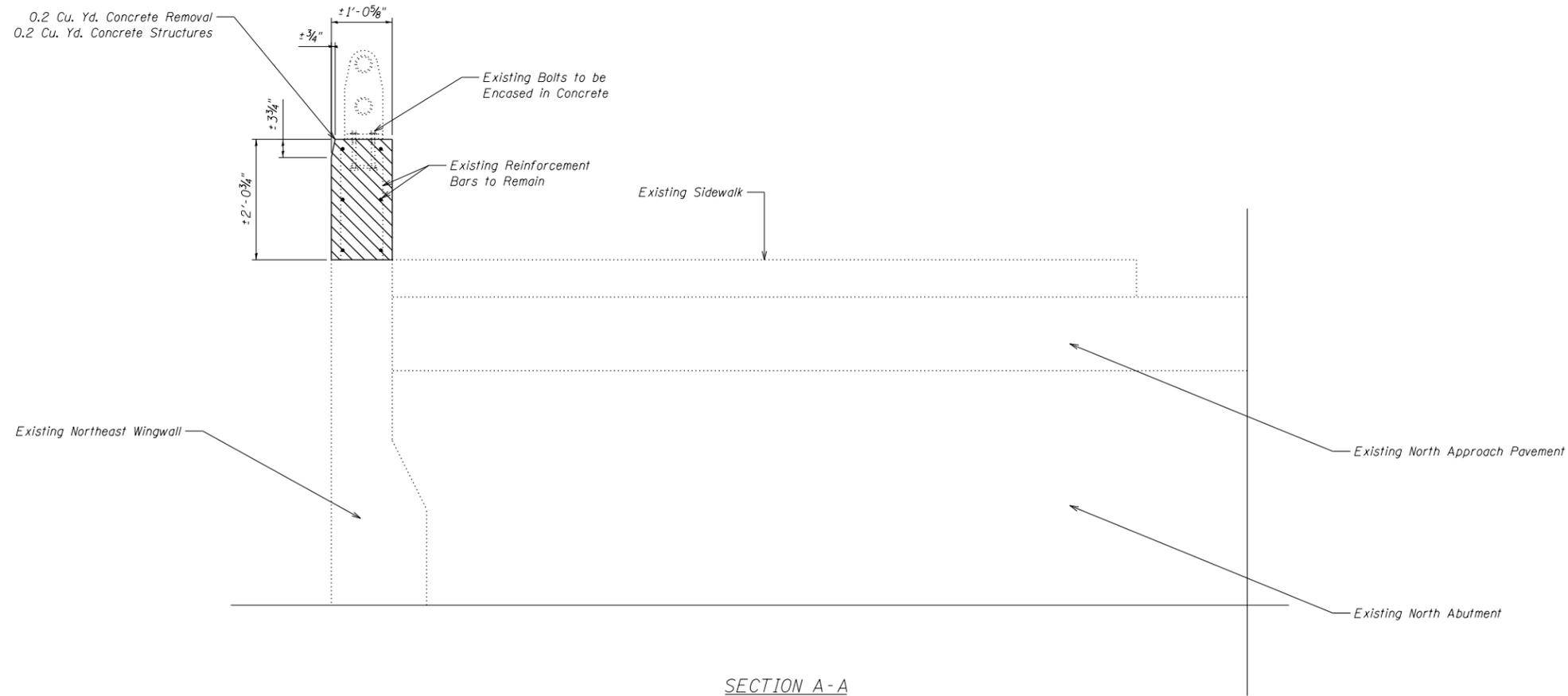
**PARAPET REPAIRS LOCATION MAP
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)**

SHEET S6 OF S11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	17
CONTRACT NO. 62H19				
ILLINOIS		FED. AID PROJECT		



PARAPET NO. 4 ELEVATION



- NOTES:**
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 - Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to "Concrete Removal".

BILL OF MATERIALS

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	0.2
Concrete Structures	Cu. Yd.	0.2

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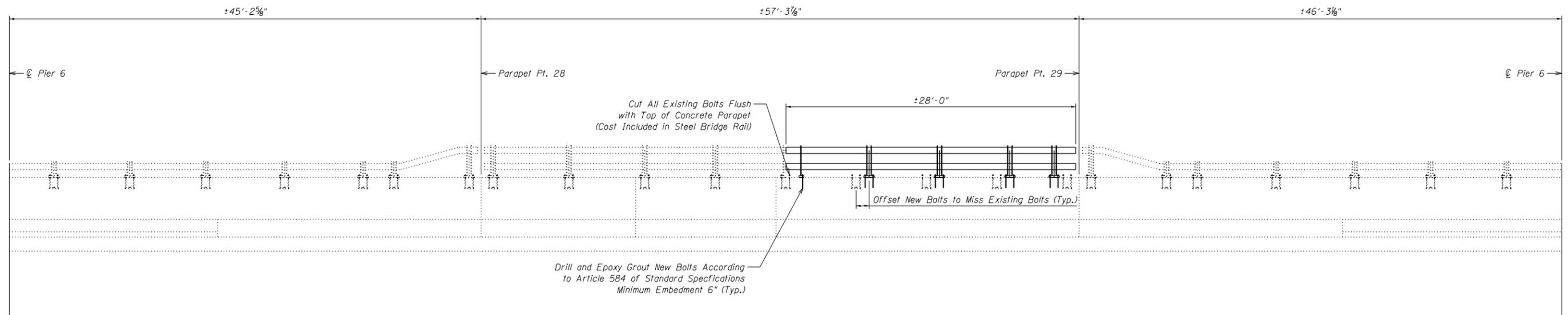
DESIGNED - Tom Condreva	EXAMINED	DATE -
CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condreva	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

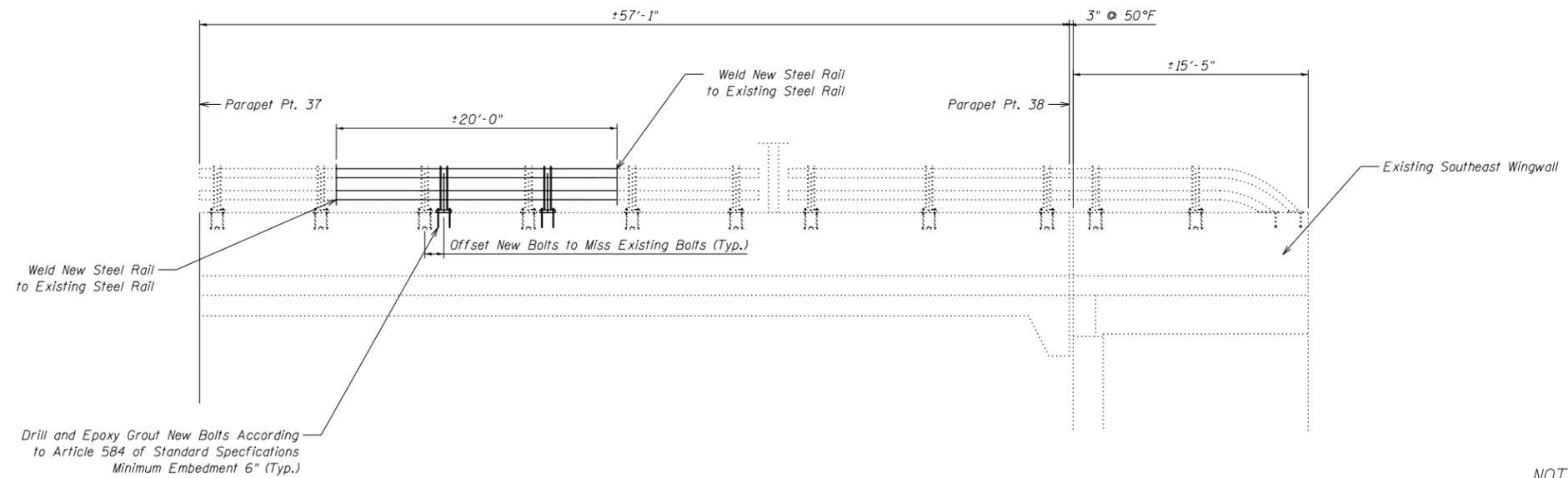
PARAPET NO. 4 REPAIRS
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	18
CONTRACT NO. 62H19				
		ILLINOIS	FED. AID PROJECT	

SHEET S7 OF S11 SHEETS



PARAPET NO. 5 ELEVATION



PARAPET NO. 6 ELEVATION

- NOTES:
1. Drill and epoxy grout new bolts according to Article 584 of the Standard Specifications. Cost included in Steel Railing (Special).

BILL OF MATERIALS

Item	Unit	Quantity
Steel Railing (Special)	Foot	48

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DESIGNED - Tom Condreva	EXAMINED	DATE -
CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condreva	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET NO. 5 AND 6 REPAIRS
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

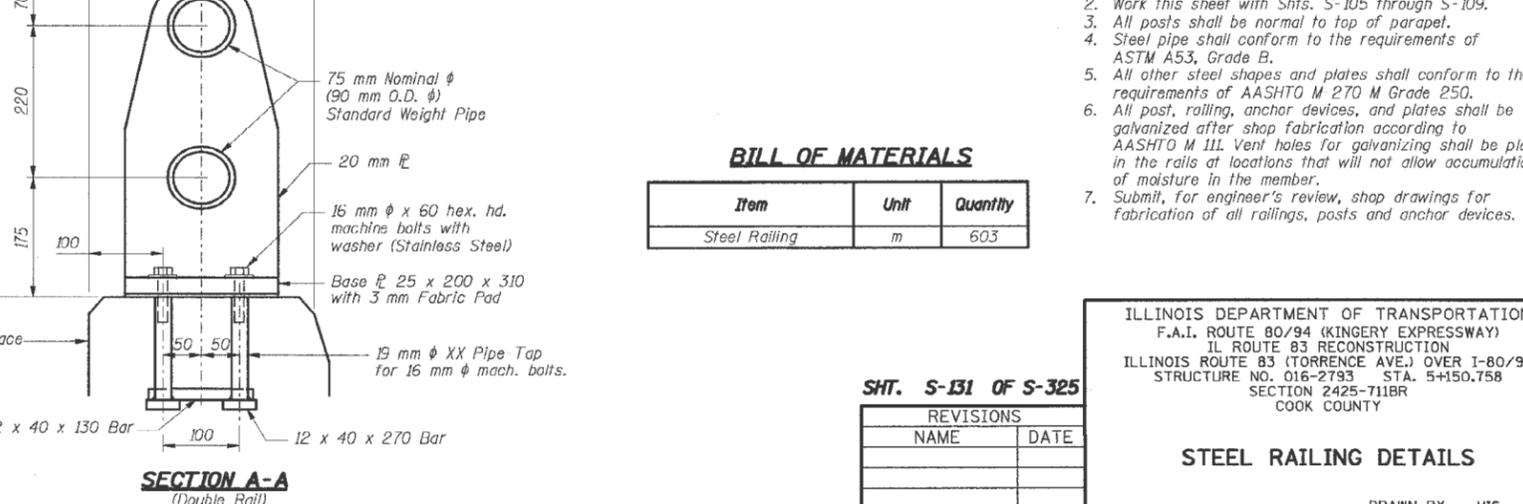
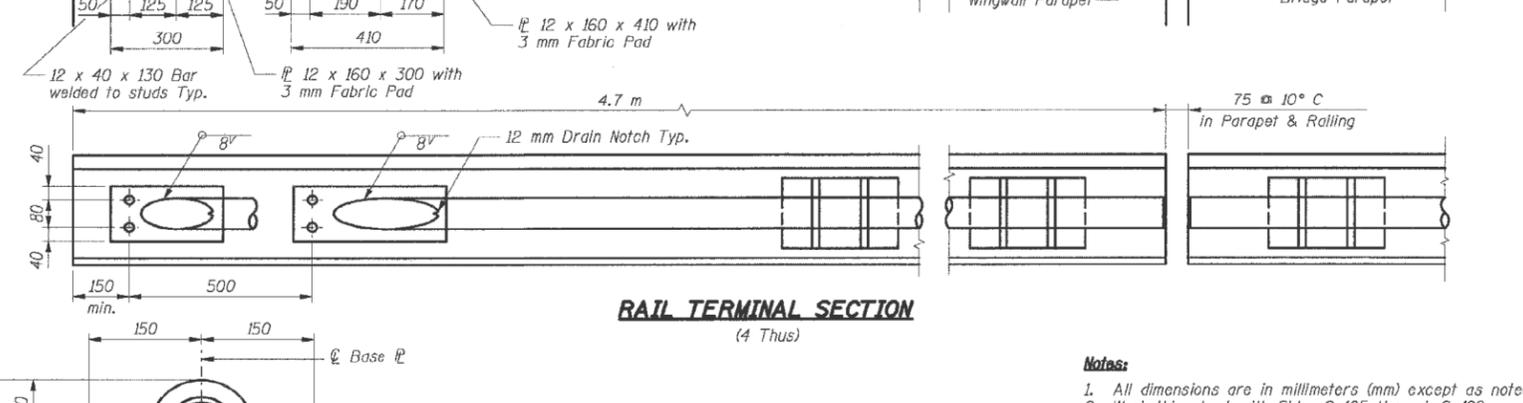
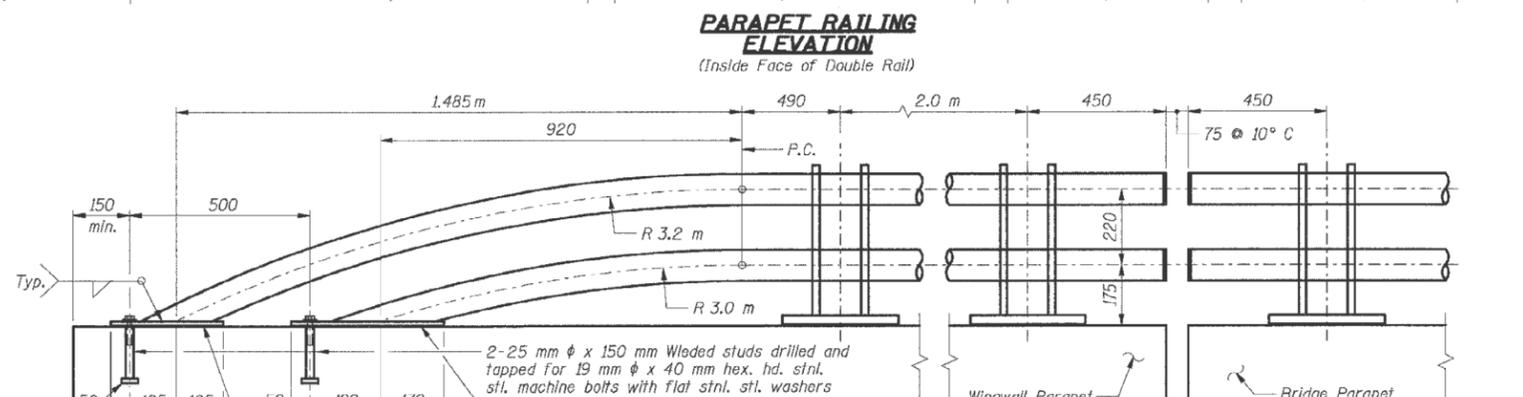
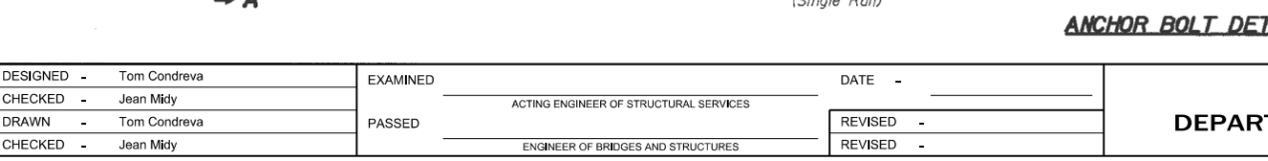
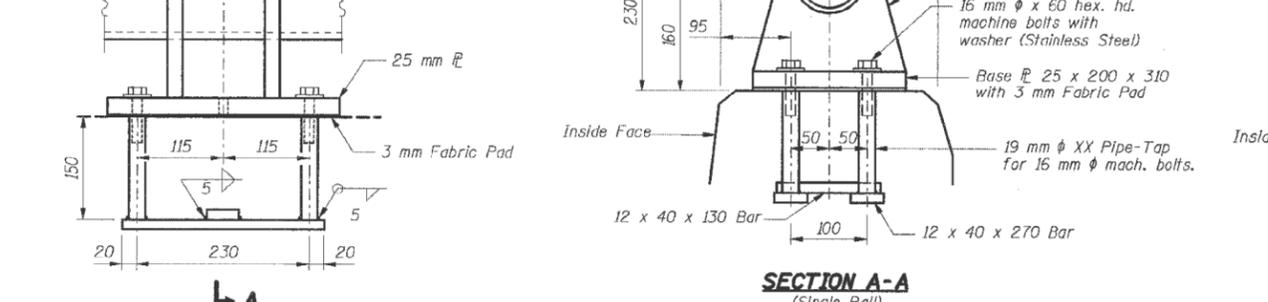
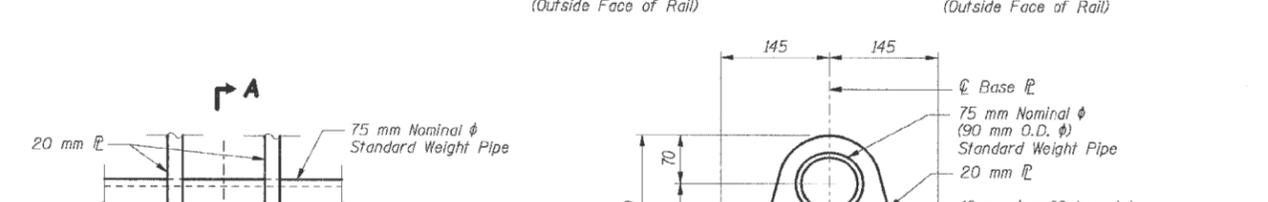
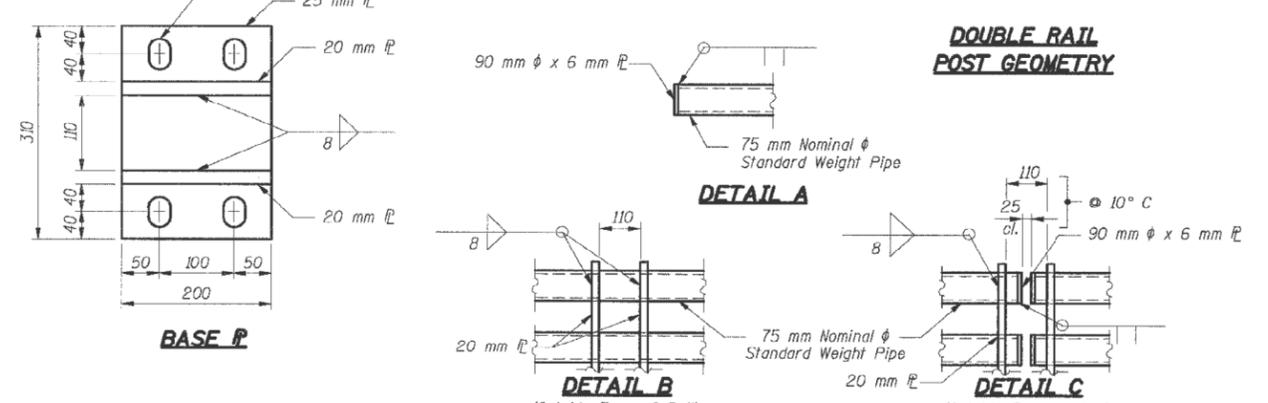
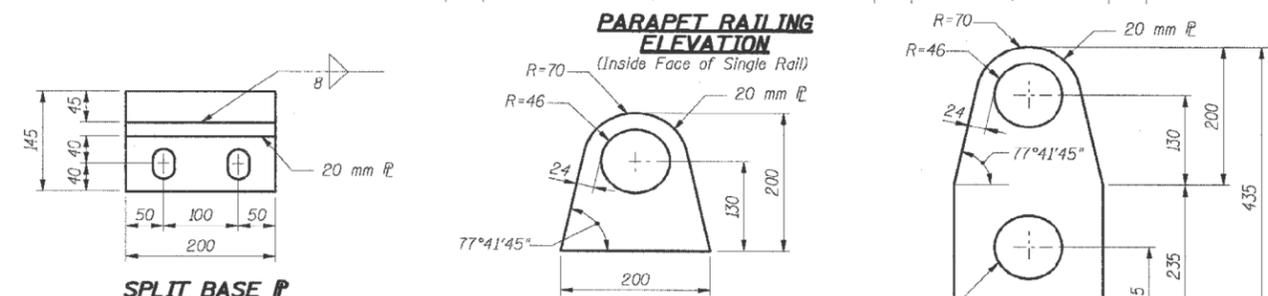
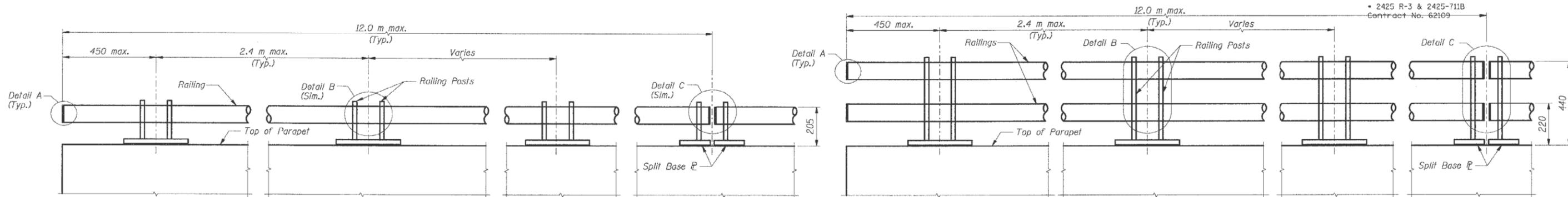
SHEET S8 OF S11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	19
CONTRACT NO. 62H19				
		ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	1315	1122
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

• 2425 R-3 & 2425-711B
Contract No. 62109



- Notes:**
- All dimensions are in millimeters (mm) except as noted.
 - Work this sheet with Shis. S-105 through S-109.
 - All posts shall be normal to top of parapet.
 - Steel pipe shall conform to the requirements of ASTM A53, Grade B.
 - All other steel shapes and plates shall conform to the requirements of AASHTO M 270 M Grade 250.
 - All post, railing, anchor devices, and plates shall be galvanized after shop fabrication according to AASHTO M 111. Vent holes for galvanizing shall be placed in the rails at locations that will not allow accumulation of moisture in the member.
 - Submit, for engineer's review, shop drawings for fabrication of all railings, posts and anchor devices.

SHT. S-131 OF S-325

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
IL ROUTE 83 RECONSTRUCTION
ILLINOIS ROUTE 83 (TORRENCE AVE.) OVER I-80/94
STRUCTURE NO. 016-2793 STA. 5+150.758
SECTION 2425-711BR
COOK COUNTY

DATE: 01/27/2004

DRAWN BY: MIS
CHECKED BY: TCU

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

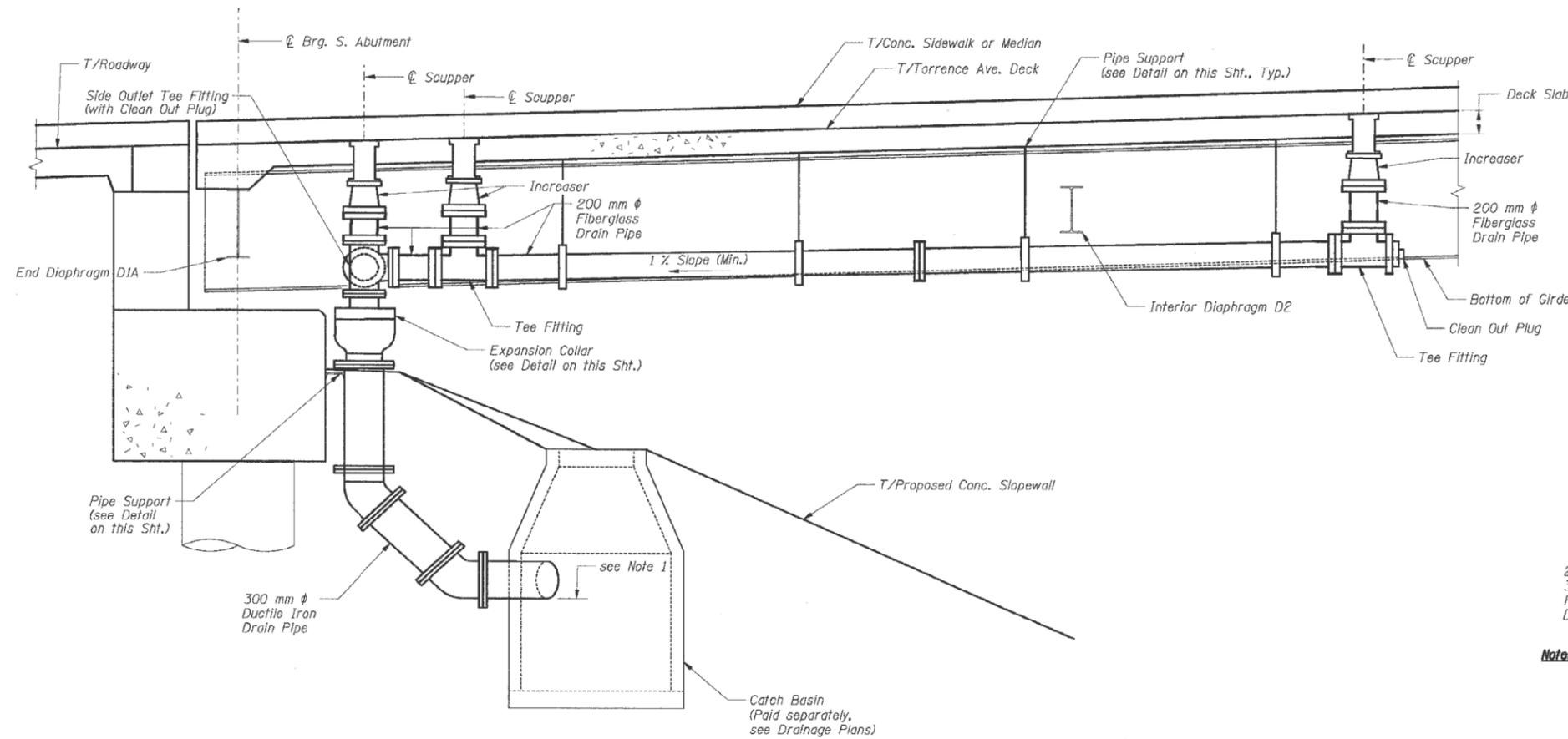
STEEL RAILING DETAILS
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

SHEET S9 OF S11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	20
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				

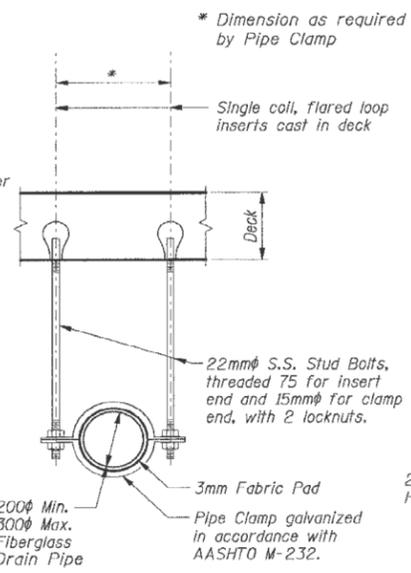
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DESIGNED - Tom Condrea	EXAMINED	DATE -
CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condrea	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

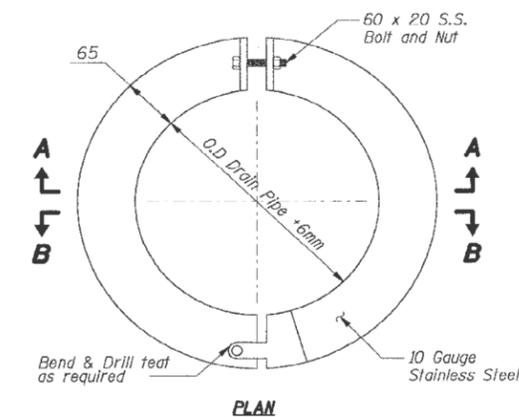


ELEVATION AT SCUPPERS 19A, 19B & 20 - LOOKING WEST

(Elevations at Scuppers 15, 16A, 16B, 18A & 18B similar)



TYPICAL PIPE SUPPORT DETAILS



EXPANSION COLLAR DETAIL

NOTES:

- Clean entire bridge drainage system. Cost included in Cleaning Drainage System.

BILL OF MATERIALS

Item	Unit	Quantity
Bridge Drainage System Repair	Foot	5



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DESIGNED - Tom Condrea	EXAMINED	DATE -
CHECKED - Jean Midy	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Tom Condrea	PASSED	REVISED -
CHECKED - Jean Midy	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

DATE -	
REVISED -	
REVISED -	

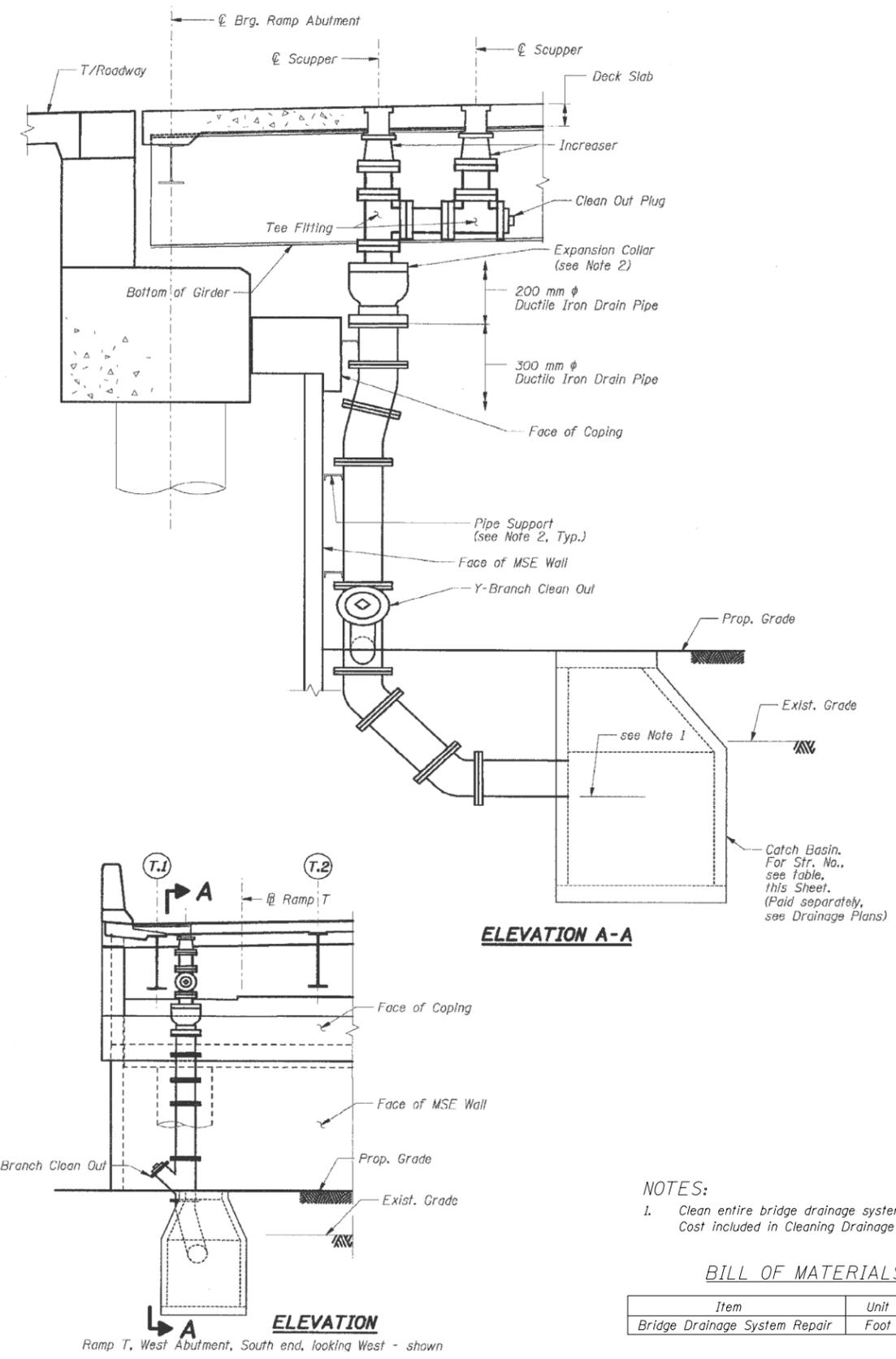
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE REPAIRS SOUTH ABUTMENT
US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)**

SHEET S10 OF S11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	21
CONTRACT NO. 62H19				
ILLINOIS FED. AID PROJECT				

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NOTES:
 1. Clean entire bridge drainage system.
 Cost included in Cleaning Drainage System.

BILL OF MATERIALS

Item	Unit	Quantity
Bridge Drainage System Repair	Foot	5



Bridge Drainage System Repair - 5 Foot

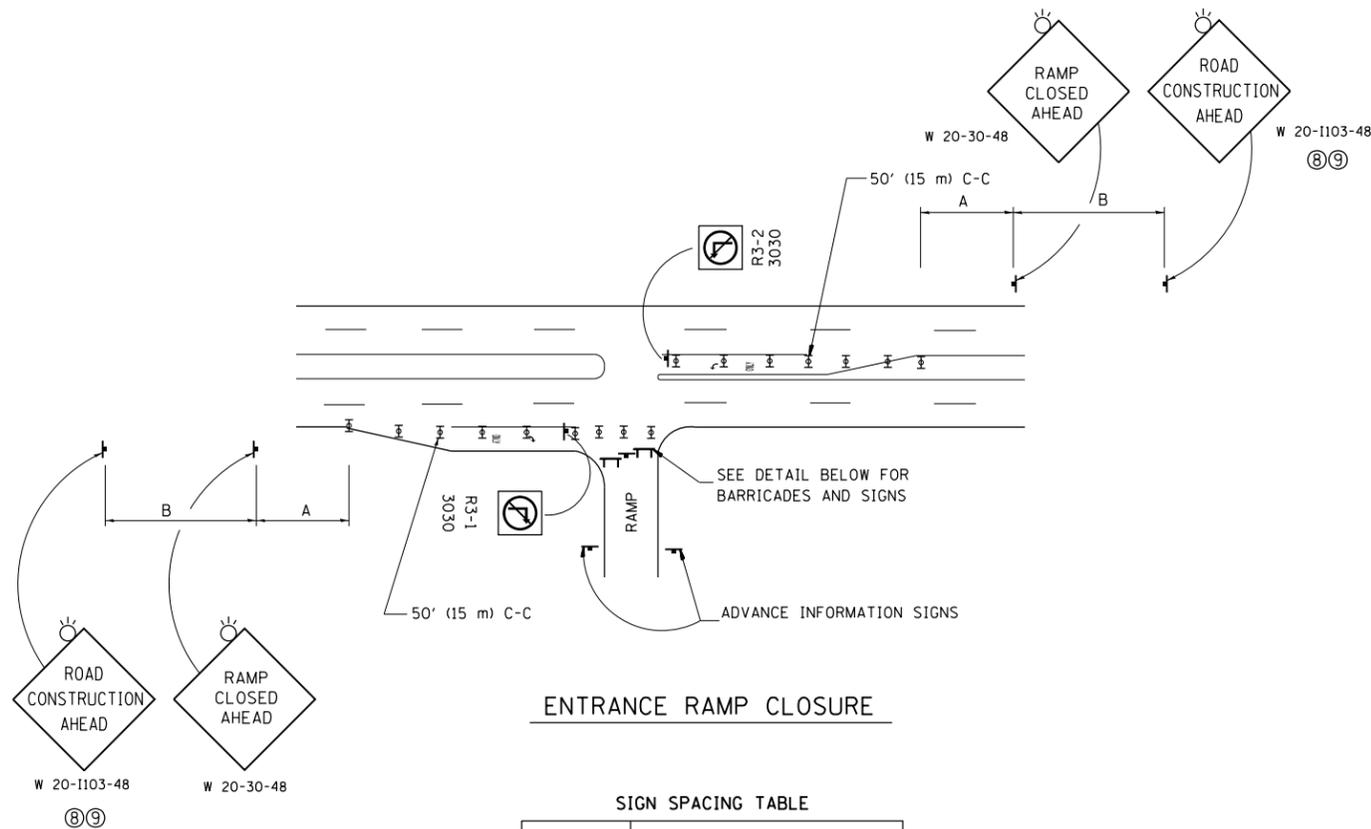
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE REPAIRS WEST ABUTMENT RAMP T
 US 6 / IL-83 (TORRENCE AVENUE) OVER I-80 / I-94 (SN 016-2793)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	22
CONTRACT NO. 62H19				

SHEET S11 OF S11 SHEETS

ILLINOIS FED. AID PROJECT

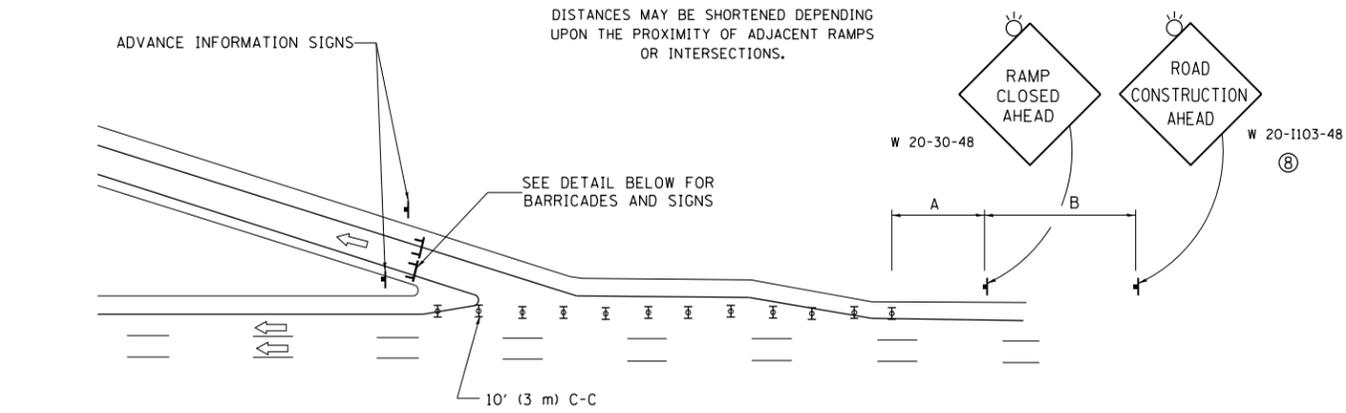


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	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)

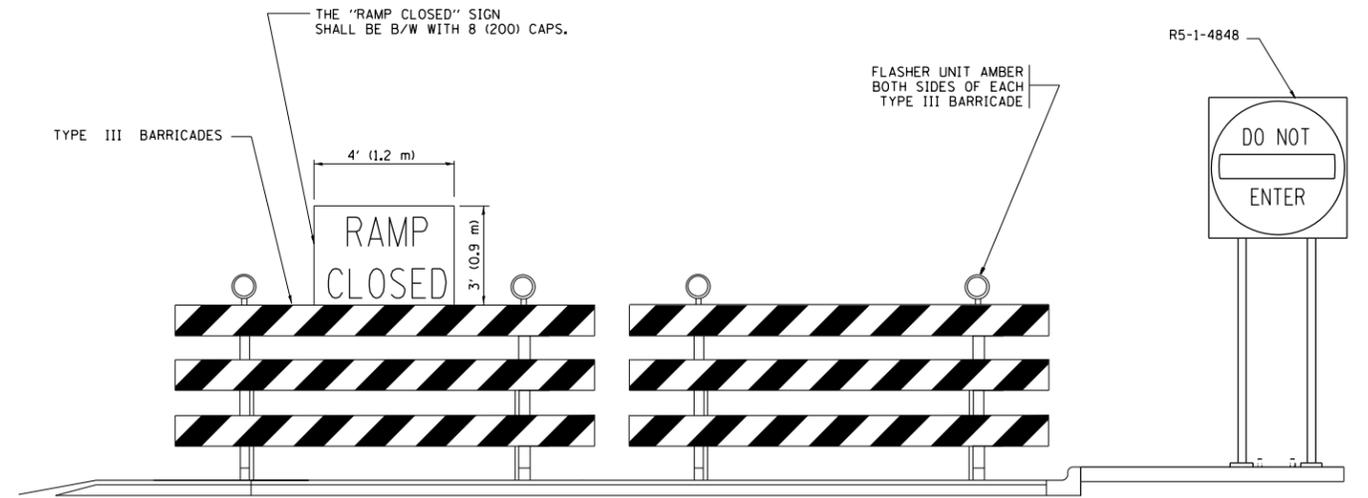
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

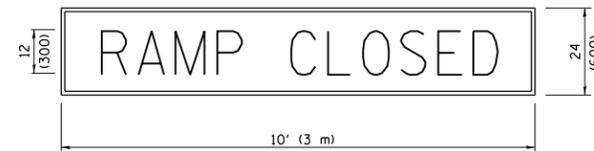
SYMBOLS

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



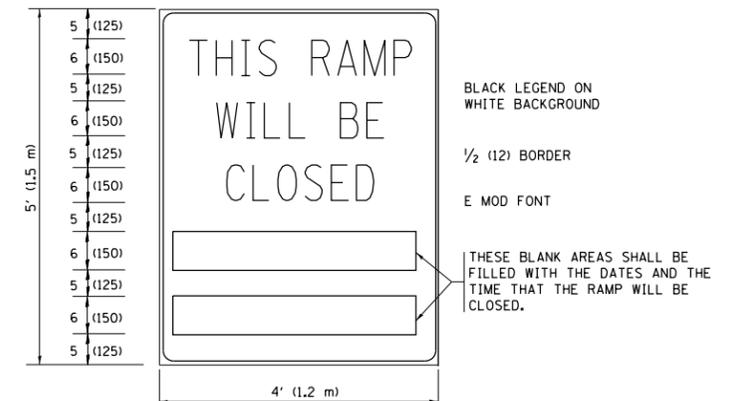
DETAIL FOR REQUIRED BARRICADES & SIGNS

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



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ 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.

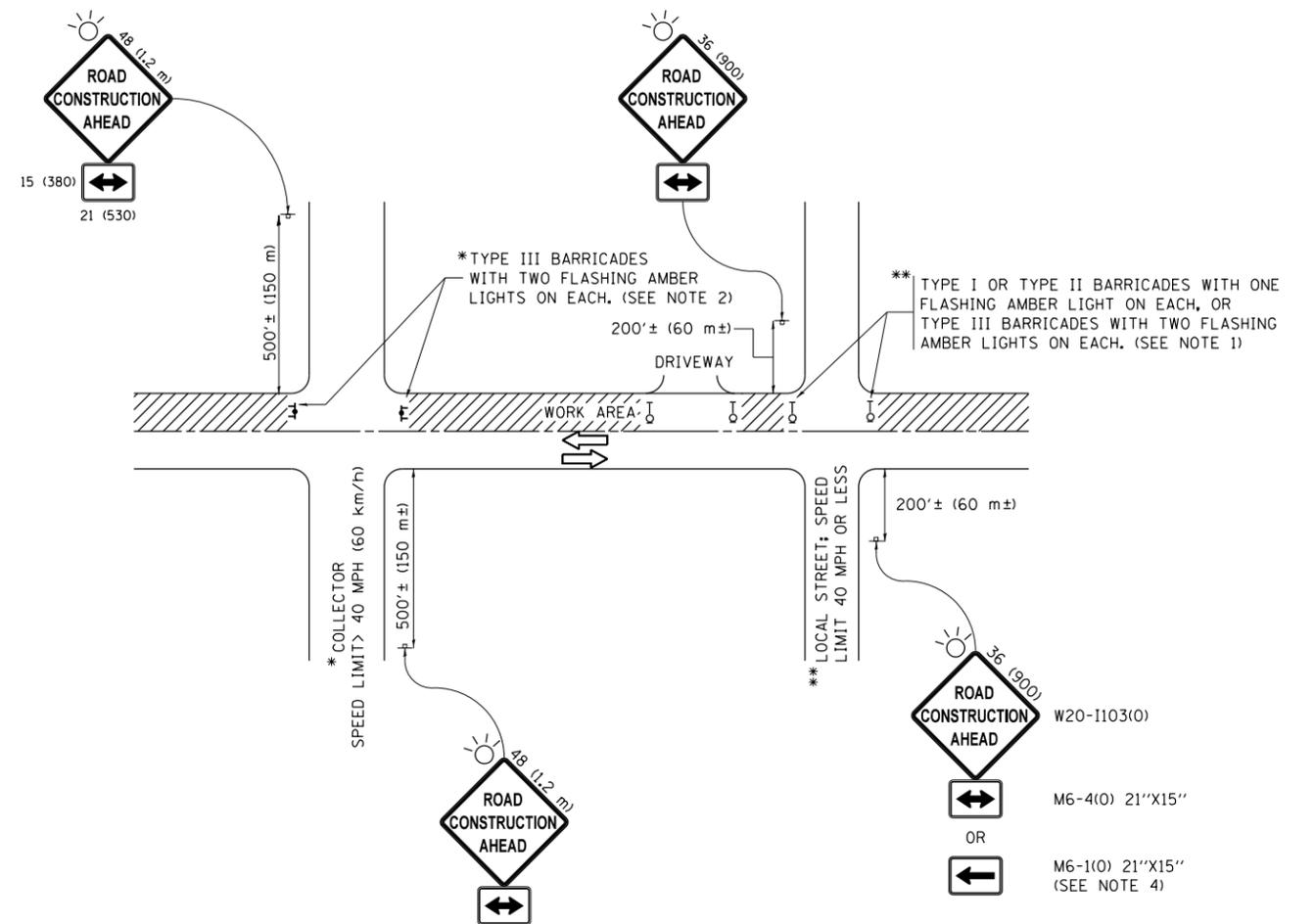
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	PLOT DATE = 12/21/2018		REVISED - M.D. 01-18

**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.
358	2018-072-BJR&BDS	COOK	25	23
TC-08		CONTRACT NO. 62H19		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 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.

FILE NAME =	USER NAME = condrevate	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI01319\Drawings\Design\DI01319-sh-t-plan.dgn			REVISED - T. RAMMACHER 01-06-00
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	PLOT DATE = 12/21/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

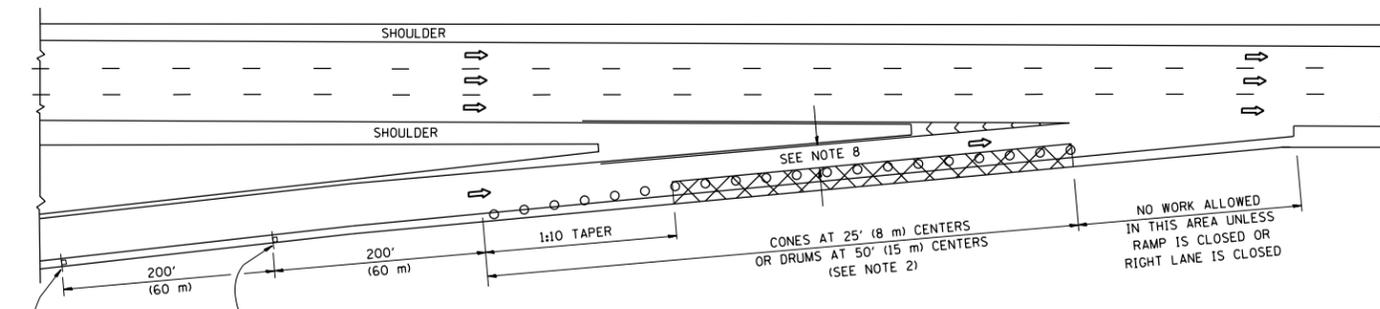
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

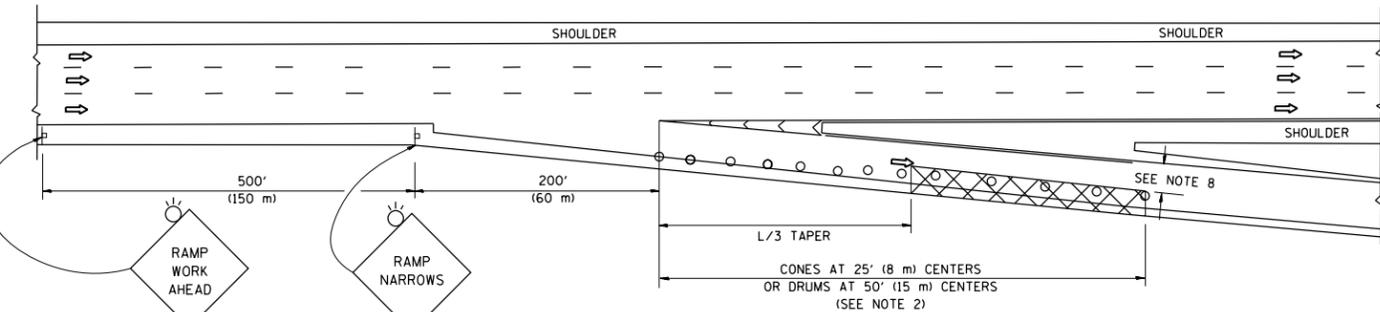
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

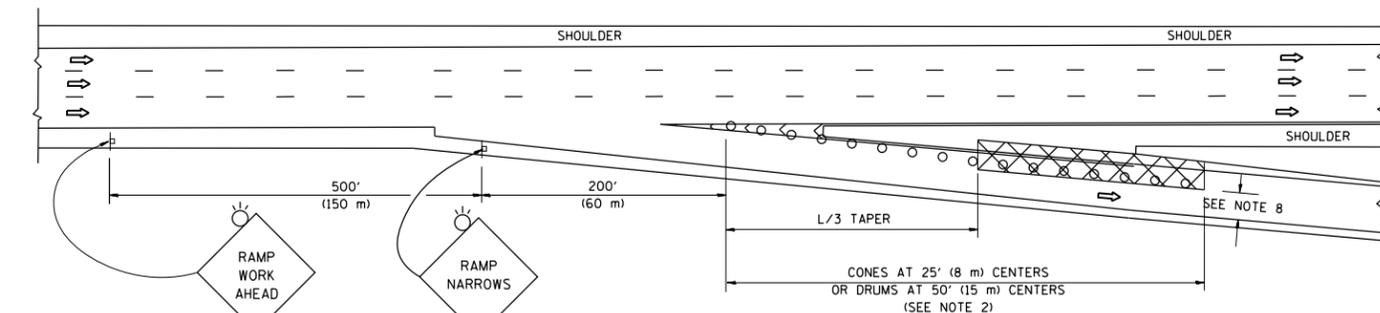
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

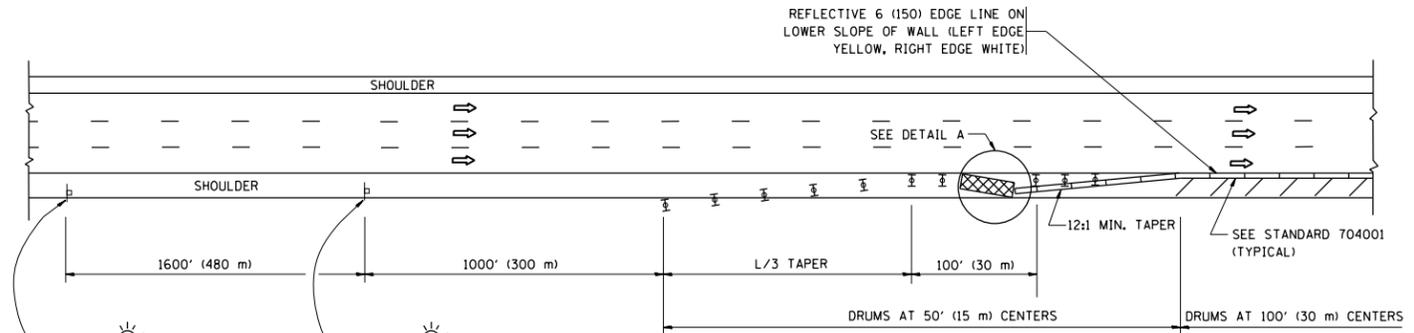
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

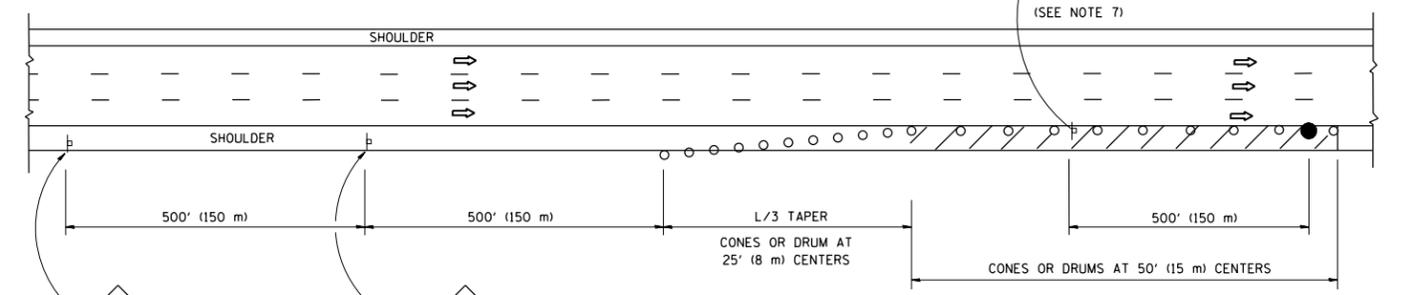
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

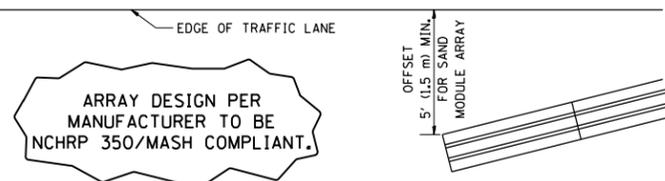


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

FILE NAME =	USER NAME = condrevate	DESIGNED -	REVISED - S.P.B. 01-07
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI01\BIRAW\Notes\Design\DWG\39-shr-plan.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / in.	DATE - 11-96	REVISED - M.D. 06-13
	PLOT DATE = 12/21/2018		REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	2018-072-BJR&BDS	COOK	25	25
TC-17		CONTRACT NO. 62H19		
ILLINOIS FED. AID PROJECT				