11-06-2026 LETTING ITEM 009

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	1
	ILLINOIS	CONTRACT NO. 80C12		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAI ROUTE 94: I-94 AT TOUHY AVENUE (OVERHEAD)
SECTION: (0304.1-H-B) PP,BR, I 25
PROJECT: NHPP-8RX8(202)
BRIDGE REPAIR
COOK COUNTY
C-91-094-26

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF SKOKIE AND LINCOLNWOOD

TRAFFIC DATA

TOUHY AVENUE
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
POSTED SPEED LIMIT: 35 MPH
2022 ADT: 30,000 VPD

INTERSTATE 94 (EDENS EXPRESSWAY)
FUNCTIONAL CLASSIFICATION: INTERSTATE
POSTED SPEED LIMIT: 55 MPH
2025 ADT: 128,700 VPD

PATRICK ENGINEERING, INC.

LICENSED PROFESSIONAL ENGINEER — KENNETH ENG 062-048871 — STATE OF ILLINOIS

8/11/26

KENNETH ENG, P.E.
NO. 062-048871
EXP. DATE: 11/30/27
APPLY TO SHEETS: 1-38

0 10' 20' 30' 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

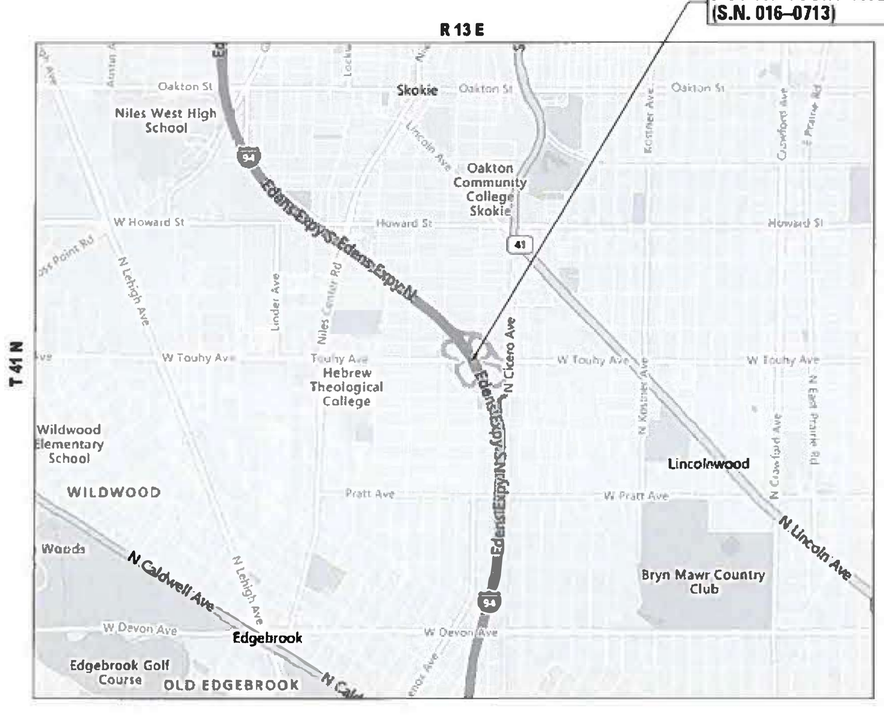
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT MANAGER: PRAVEEN KAINI, P.E. (847) 705-4237

CONTRACT NO. 80C12

I-94 AT TOUHY AVENUE (OVERHEAD)
(S.N. 016-0713)



N

LOCATION MAP (NOT TO SCALE)

D-91-077-26



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 11, 2026
Jose Rios
REGIONAL ENGINEER

October 2, 2026
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2026
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

GROSS LENGTH = 386 FT. = 0.073 MILE
NET LENGTH = 386 FT. = 0.073 MILE

PATRICK a RS&H company

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS AND HIGHWAY STANDARDS
3-6	SUMMARY OF QUANTITIES
7	MAINTENANCE OF TRAFFIC GENERAL NOTES
8	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
9-11	MAINTENANCE OF TRAFFIC TRAFFIC CONTROL PLAN
12	DETOUR PLAN
13	PAVEMENT MARKING AND SIGNING PLANS
14-25	STRUCTURAL REPAIR PLANS - SN 016-0713
26-38	IDOT DISTRICT ONE DETAIL SHEETS

HIGHWAY STANDARDS

000001-09 - STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
606001-09 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701106-02 - OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-12 - APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13 - LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09 - LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701427-05 - LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701428-01 - TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-11 - TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-09 - URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10 - URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10 - URBAN SINGLE LANE CLOSURE, MULTILANE INTERSECTION
701801-06 - SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11 - TRAFFIC CONTROL DEVICES
704001-08 - TEMPORARY CONCRETE BARRIER
780001-05 - TYPICAL PAVEMENT MARKINGS
782006-01 - GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT ONE STANDARDS

BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
TC-8	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-9	SINGLE LANE WEAVE AND MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-13	TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-17	PARTIAL RAMP & SHOULDER CLOSURE DETAILS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
2. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMEN'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, PACE, BUSES AND THE VILLAGES OF SKOKIE AND LINCOLNWOOD.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTICS.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 FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK ON MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
9. THE ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER, AT 815-485-6475 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

COMMITMENTS

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

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PATRICK ENGINEERING INC.
55 EAST MONROE STREET
SUITE 3450
CHICAGO, IL 60603
www.rina-us.org
Design Firm License No. 184000409-0014

USER NAME = DT004	DESIGNED - DT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES I-94 AT TOUHY AVENUE (OVERHEAD)	
	DRAWN - DT	REVISED -			
	CHECKED - KE	REVISED -			
PLOT DATE = 7/29/2026	DATE - 6/10/2026	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	2
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		

				CONSTR. CODE	
				90% FED 10% STATE	100% STATE
				BRIDGE	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0013 S.N. 016-0713	0013 S.N. 016-0713
20200100	EARTH EXCAVATION	CU YD	85	85	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	307	307	
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1	
25100630	EROSION CONTROL BLANKET	SQ YD	111	111	
28000400	PERIMETER EROSION BARRIER	FOOT	277	277	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	196	196	
44000100	PAVEMENT REMOVAL	SQ YD	196	196	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10	10	
50157300	PROTECTIVE SHIELD	SQ YD	1702	1702	
53016000	DECK SLAB REPAIR (PARTIAL)	SQ YD	100	100	
53016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	12	12	
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1103	1103	
53212755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	42	42	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	85	85	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	3
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

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*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10	
	67100100	MOBILIZATION	L SUM	1	1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	112	112	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2373	2373	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	100	100	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	10607	10607	
	70307125	TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE	FOOT	287	287	
	70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	336	336	
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	104	104	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2370	2370	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1162	1162	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	4
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		

					CONSTR. CODE	
					90% FED 10% STATE	100% STATE
					BRIDGE	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		0013	0013
					S.N. 016-0713	S.N. 016-0713
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2		2	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4		4	
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2		2	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140		140	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3652		3652	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	277		277	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1436		1436	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	398		398	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	191		191	
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	191		191	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2249		2249	
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	306		306	
X5051206	STRUCTURAL STEEL REPAIR	POUND	9896		9896	
X5230154	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	16			16

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	5
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTR. CODE	
				90% FED 10% STATE	100% STATE
				BRIDGE	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0013 S.N. 016-0713	0013 S.N. 016-0713
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	131.4	131.4	
X7200203	DETOUR SIGNING	L SUM	1	1	
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	68	68	
* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	68	68	
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	86	86	
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	3	3	
Z0062456	TEMPORARY PAVEMENT	SQ YD	196	196	
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	6	6	
X89000104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5	5	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	6
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			

REV-SEP

TRAFFIC CONTROL GENERAL NOTES

1. THE CONRACTOR SHALL MAINTAIN SATISFACTORY INGRESS AND EGRESS TO ADJACENT PROPERTIES THROUGHOUT CONSTRUCTION.

2. ALL TEMPORARY PAVEMENT MARKING SHALL BE "TEMPORARY PAVEMENT MARKING - TYPE IV TAPE".

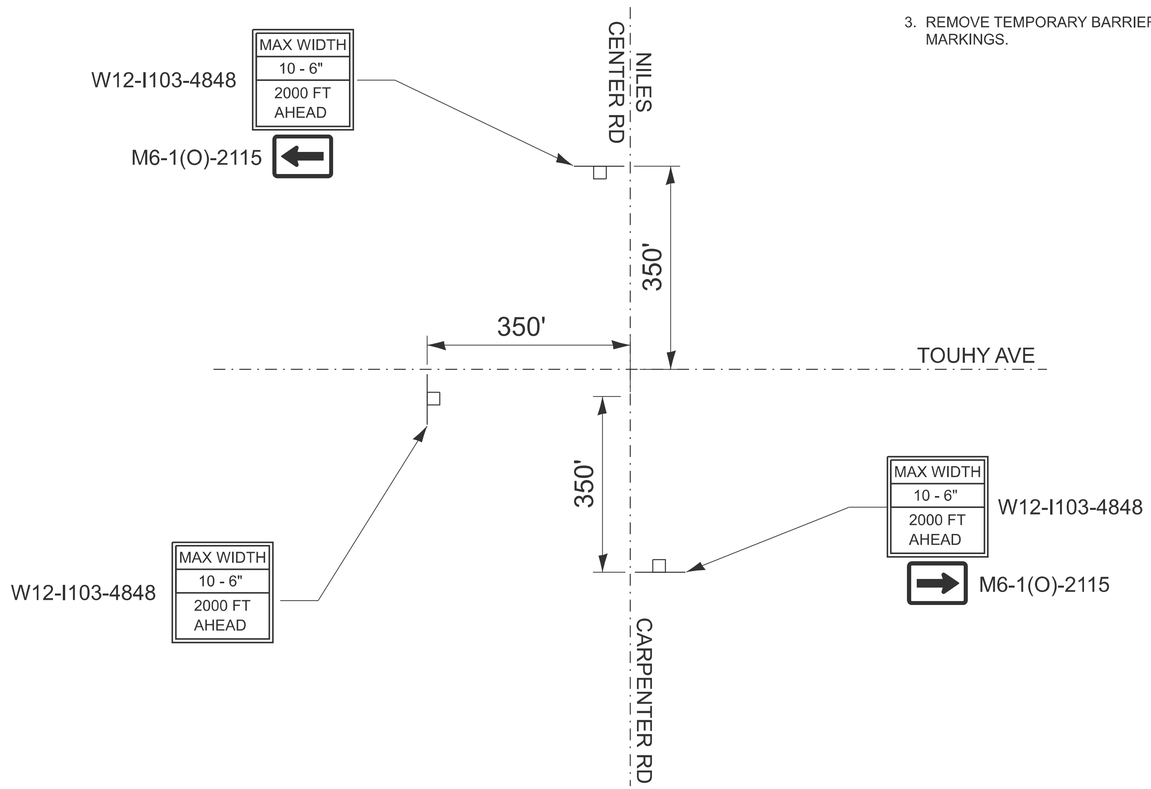
3. USE SUGGESTED TRAFFIC CONTROL PLAN IN CONJUNCTION WITH STANDARD 701601 AND 701606.

4. THE COST OF THE SIGNING AND BARRICADING FOR BOTH SHOULDER OF I-94 SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)".

5. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

6. 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 SEVEN 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 THE WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

7. THE CONTRACTOR SHALL CONTACT THE IDOT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, DISTRICT ONE, CARLOS MUNOZ AT Carlos.Munoz@illinois.gov, A MINIMUM OF 72 HOURS IN ADVANCE OF THE BEGINNING OF WORK.



ADVANCE MAX WIDTH RESTRICTION SIGNING DETAIL FOR STAGES 1 & 2

CONSTRUCTION STAGING

PRESTAGE

1. TOUHY AVE

   A. REMOVE EXISTING PAVEMENT MARKINGS AND REPLACE WITH TEMPORARY MARKINGS.

   B. INSTALL TEMPORARY BARRIER WALL.

2. I-94

   A. REMOVE EXISTING LANE LINES AND REPLACE WITH TEMPORARY MARKINGS.

   B. INSTALL TEMPORARY BARRIER WALL FOR THE INSIDE SHOULDERS.

   C. CLOSE EXIT RAMPS "A" AND "E" AND INSTALL TEMPORARY BARRIER WALL ALONG RAMP WEAVE LANE.

   D. INSTALL PROTECTIVE SHIELDING.

STAGE 1

1. TOUHY AVE. - PERFORM DECK PATCHING AND REPAIRS TO APPROACH PAVEMENT.

2. PERFORM STRUCTURAL REPAIRS ON THE CENTER PIER. INSTALL TEMPORARY SHORING AND CRIBBING AS NEEDED UNDER NIGHTIME LANE CLOSURES ON I-94.

STAGE 2

1. TOUHY AVE. - PERFORM DECK PATCHING AND REPAIRS TO APPROACH PAVEMENT.

2. PERFORM STRUCTURAL REPAIRS ON THE OUTSIDE PIERS. REMOVE TEMPORARY SHIELDING.

3. REMOVE TEMPORARY BARRIER WALL AND REINSTALL FINAL PAVEMENT MARKINGS.

MAINTENANCE OF TRAFFIC

PRESTAGE

1. TOUHY AVE. - CLOSE INSIDE LANES AND PLACE TEMPORARY CONCRETE BARRIER USING STANDARD 701601 AND 701606.

2. I-94 - LANE CLOSURES OF ONE OR TWO LANES ON I-94 SHALL BE DONE UTILIZING STANDARDS 701400, 701401 AND 701446 DURING NIGHT-TIME OFF PEAK HOURS.

STAGE 1

1. TOUHY AVE. - MAINTAIN ONE LANE IN EACH DIRECTION AS SHOWN ON STAGE I. PLACE SIGNING AND TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGING PLAN AND ON STANDARD 701606.

2. I-94 - CLOSE INSIDE SHOULDERS UNDER BRIDGE AND INSTALL TEMPROARY CONCRETE BARRIER WALL ON INSIDE SHOULDERS EB AND WB I-94 ALONG CENTER PIER (TEMPORARY CONCRETE BARRIER 100 FT EACH SIDE WITH IMPACT ATTENNUATORS) PER DISTRICT ONE DETAIL TC-17

STAGE 2

1. TOUHY AVE. - MAINTAIN ONE LANE IN EACH DIRECTION AS SHOWN ON STAGE II. PLACE SIGNING AND TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGING PLAN AND ON STANDARD 701606.

2. I-94 - CLOSE RAMPS A & E PER DISTRICT 1 STANDARD TC-08.

3. REROUTE RAMP A & E TRAFFIC USING DETOUR.

4. I-94 - CLOSE OUTSIDE SHOULDDERS UNDER BRIDGE AND RELOCATE TEMPRORAY CONCRETE BARRIER WALL ON OUTSIDE SHOULDERS EB AND WB I-94 ALONG OUTSIDE PIERS (RELOCATE TEMPORARY CONCRETE BARRIER 100 FT EACH SIDE WITH IMPACT ATTENNUATORS) PER DISTRICT ONE DETAIL TC-17.

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55 EAST MONROE STREET
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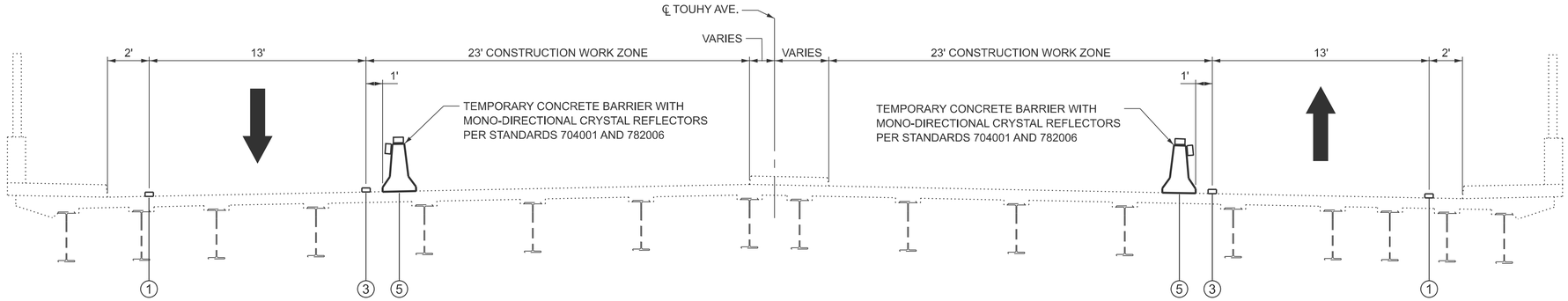
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT NOTES & STAGING
I-94 AT TOUHY AVENUE (OVERHEAD)

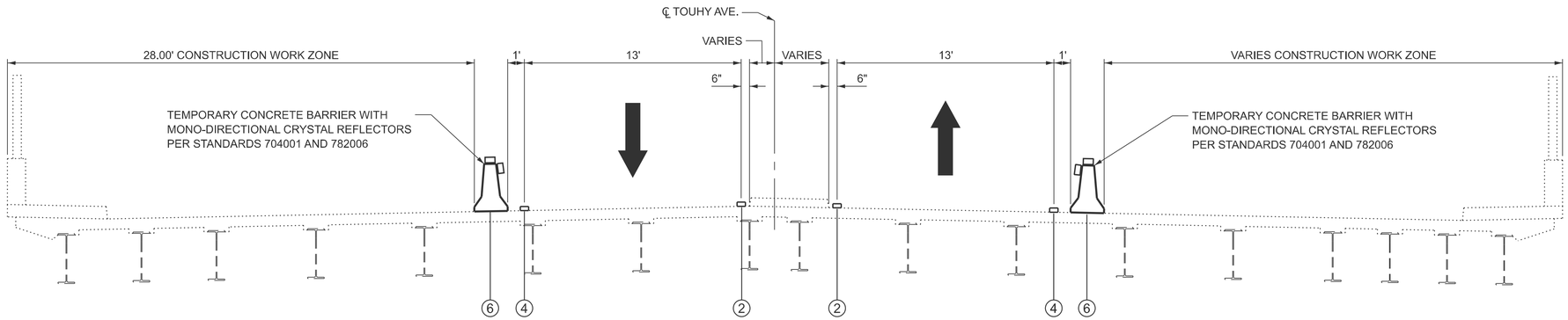
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	7
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		



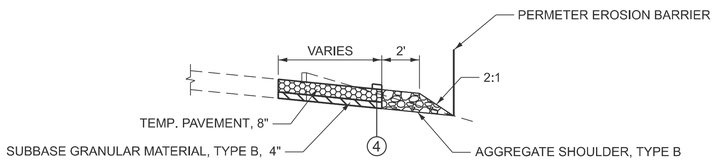
SECTION A-A

(STAGE 1 MAINTENANCE OF TRAFFIC)



SECTION B-B

(STAGE 2 MAINTENANCE OF TRAFFIC)



TEMPORARY PAVEMENT TYPICAL SECTION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE, COURSE MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 6"	4% @ 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QA/QC): QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP)		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOX-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

2. THE "AC TYPE" FOR POLYMERIZED MIXTURES SHALL BE "SBS/SBR PG 76-22"; AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

3. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENTS DOES NOT REQUIRE DOWEL BARS.

LEGEND

1. EXISTING 4" WHITE EDGE LINE
2. EXISTING 4" YELLOW EDGE LINE
3. TEMP. PAVEMENT MARKING - TAPE 4" YELLOW
4. TEMP. PAVEMENT MARKING - TAPE 4" WHITE
5. TEMPORARY CONCRETE BARRIER
6. RELOCATE TEMPORARY CONCRETE BARRIER

MODEL: MOT TYPCIALS [Sheet]
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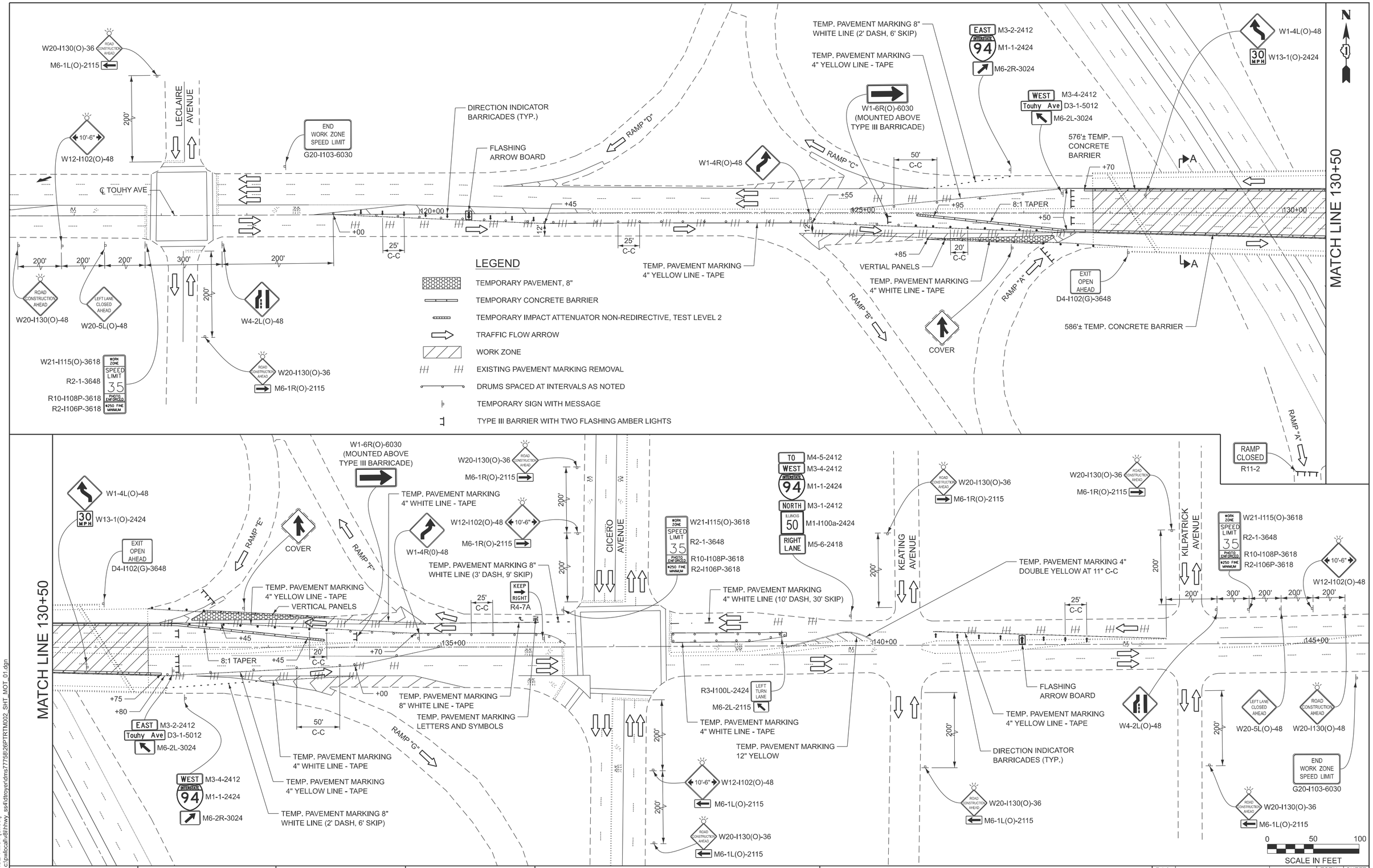
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: 1/4"=1'-0" | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	8
		CONTRACT NO. 80C12		
	ILLINOIS	FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 MAINTENANCE OF TRAFFIC
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 115+25.00 | TO STA. 145+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	9
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			

LEGEND

- TEMPORARY PAVEMENT, 8"
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR NON-REDIRECTIVE, TEST LEVEL 2
- TRAFFIC FLOW ARROW
- WORK ZONE
- EXISTING PAVEMENT MARKING REMOVAL
- DRUMS SPACED AT INTERVALS AS NOTED
- TEMPORARY SIGN WITH MESSAGE
- TYPE III BARRIER WITH TWO FLASHING AMBER LIGHTS

N

MATCH LINE 130+50

MATCH LINE 130+50

W20-I130(O)-36 ROAD CONSTRUCTION AHEAD
M6-1L(O)-2115
200'
LECLAIRE AVENUE
℄ TOUHY AVE
TEMP. PAVEMENT MARKING 4" WHITE LINE (10' DASH, 30' SKIP)
RAMP "D"
END WORK ZONE SPEED LIMIT
G20-I103-6030
RAMP "C"
EAST INTERSTATE 94 M3-2-2412 M1-1-2424 M6-2R-3024
TEMP. PAVEMENT MARKING 4" WHITE LINE - TAPE
EAST INTERSTATE 94 M3-2-2412 M1-1-2424 M6-2R-3024
544± TEMP. CONCRETE BARRIER
RAMP CLOSED R11-2
RAMP "E"
℄ I-94
120+00
125+00
130+00
+21
+30
+00
+75
+50
+42
+41
25' C-C
25' C-C
8:1 TAPER
FLASHING ARROW BOARD
TEMP. PAVEMENT MARKING 4" WHITE LINE - TAPE
DIRECTION INDICATOR BARRICADES (TYP.)
TEMP. PAVEMENT MARKING 4" WHITE LINE - TAPE
RAMP "B"
RAMP "A"
EXIT OPEN AHEAD D4-I102(G)-3648
544'± TEMP. CONCRETE BARRIER
B
B
200'
200'
200'
ROAD CONSTRUCTION AHEAD W20-I130(O)-48
10'-6" W12-I102(O)-48
RIGHT LANE CLOSED AHEAD W20-5R(0)-48
W4-2R(O)-48
WORK ZONE SPEED LIMIT 35 PHOTO ENFORCED $250 FINE MINIMUM W21-I115(O)-3618 R2-1-3648 R10-I108P-3618 R2-I106P-3618
ROAD CONSTRUCTION AHEAD W20-I130(O)-36 M6-1R(O)-2115

W20-I130(O)-36 ROAD CONSTRUCTION AHEAD
M6-1R(O)-2115
W1-4L(O)-48
W12-I102(O)-48 10'-6"
M6-1R(O)-2115
200'
CICERO AVENUE
WORK ZONE SPEED LIMIT 35 PHOTO ENFORCED $250 FINE MINIMUM W21-I115(O)-3618 R2-1-3648 R10-I108P-3618 R2-I106P-3618
TO WEST INTERSTATE 94 M4-5-2412 M3-4-2412 M1-1-2424
NORTH ILLINOIS 50 M3-1-2412 M1-I100a-2424
RIGHT LANE M5-6-2418
ROAD CONSTRUCTION AHEAD W20-I130(O)-36 M6-1R(O)-2115
W21-I115(O)-3618 WORK ZONE SPEED LIMIT 35 PHOTO ENFORCED $250 FINE MINIMUM R2-1-3648 R10-I108P-3618 R2-I106P-3618
ROAD CONSTRUCTION AHEAD W20-I130(O)-36 M6-1R(O)-2115
RAMP "A"
RAMP CLOSED R11-2
EXIT OPEN AHEAD D4-I102(G)-3648
RAMP "F"
W1-6L(O)-6030 (MOUNTED ABOVE TYPE III BARRICADE)
RAMP "F"
TEMP. PAVEMENT MARKING 8" WHITE LINE (3' DASH, 9' SKIP)
KEEP RIGHT R4-7A
KEATING AVENUE
TEMP. PAVEMENT MARKING 4" DOUBLE YELLOW AT 11" C-C
KILPATRICK AVENUE
+93
+96
8:1 TAPER
+40
+85
20' C-C
25' C-C
24'
+85
135+00
℄ TOUHY AVE
140+00
145+00
+00
+85
25' C-C
TEMP. PAVEMENT MARKING 4" WHITE LINE - TAPE
TEMP. PAVEMENT MARKING 8" WHITE LINE - TAPE
TEMP. PAVEMENT MARKING LETTERS AND SYMBOLS
RAMP "G"
TEMP. PAVEMENT MARKING 4" WHITE LINE (10' DASH, 30' SKIP)
R3-I100L-2424 LEFT TURN LANE
M6-2L-2115
TEMP. PAVEMENT MARKING 12" YELLOW
FLASHING ARROW BOARD
TEMP. PAVEMENT MARKING 4" YELLOW LINE - TAPE
DIRECTION INDICATOR BARRICADES (TYP.)
W4-2L(O)-48
LEFT LANE CLOSED AHEAD W20-5L(O)-48
ROAD CONSTRUCTION AHEAD W20-I130(O)-48
WEST INTERSTATE 94 M3-4-2412 M1-1-2424 M6-2R-3024
WEST INTERSTATE 94 M3-4-2412 M1-1-2424 M6-2R-3024
10'-6" W12-I102(O)-48
M6-1L(O)-2115
ROAD CONSTRUCTION AHEAD W20-I130(O)-36
M6-1L(O)-2115
ROAD CONSTRUCTION AHEAD W20-I130(O)-36
M6-1L(O)-2115
10'-6" W12-I102(O)-48
END WORK ZONE SPEED LIMIT G20-I103-6030
200'
200'
200'
200'
200'
200'
200'
300'
200'
200'
200'

0 50 100
SCALE IN FEET

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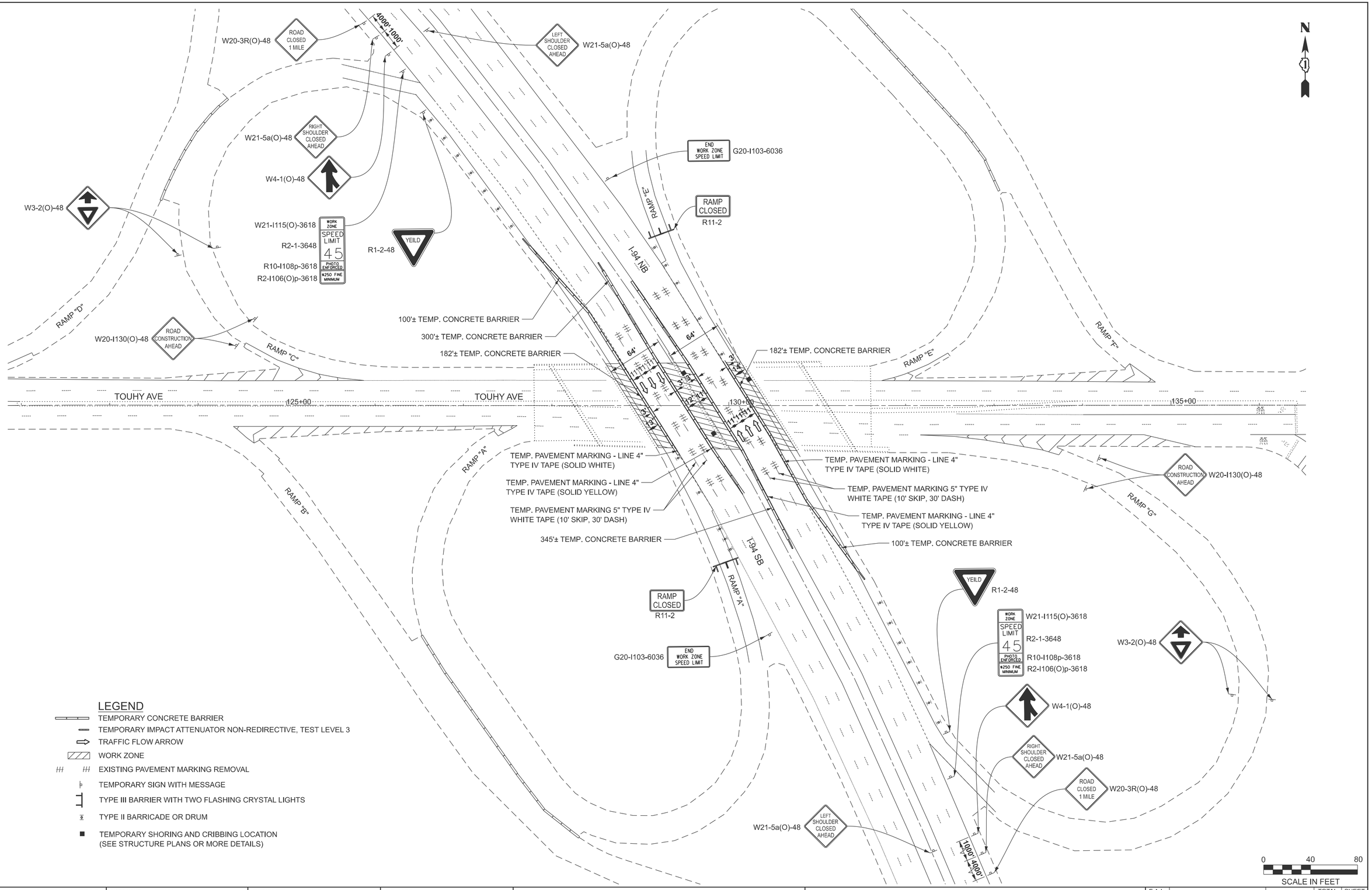
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 MAINTENANCE OF TRAFFIC
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: 1"=50' | SHEET OF SHEETS | STA. 115+25.00 | TO STA. 140+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	10
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			



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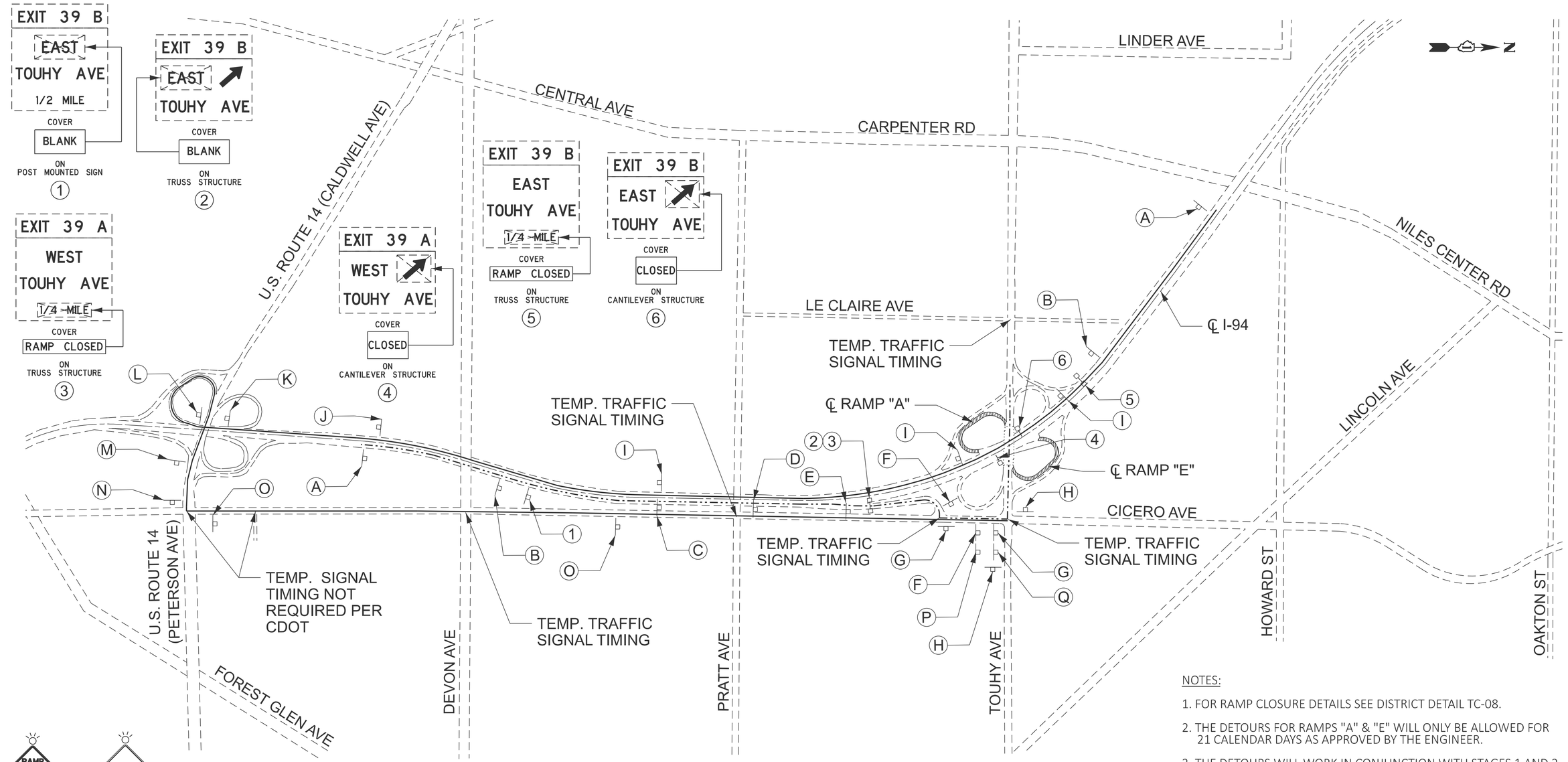
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 MAINTENANCE OF TRAFFIC
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: 1"=40' | SHEET OF SHEETS | STA. 115+25.00 | TO STA. 145+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	11
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			



RAMP CLOSED AHEAD W20-3 48"x48" (A)

DETOUR AHEAD W20-2 48"x48" (B)

LEGEND:

——— RAMP A DETOUR ROUTE

-·-·-·- RAMP E DETOUR ROUTE

(C) DETOUR M4-8 30"x15" / TO M4-5P 36"x18" / WEST M3-4 36"x18" / Touhy Ave D3-1 50"x12" / NEXT EXIT

(D) TO M4-5P 36"x18" / WEST M3-4 36"x18" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 48"x36"

(E) TO M4-5P 36"x18" / WEST M3-4 36"x18" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 48"x36"

(F) TO M4-5P, 24"x12" / WEST M3-4, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(G) TO M4-5P, 24"x12" / WEST M3-4, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(H) END DETOUR M4-8a 30"x15"

(I) TO M4-5P 36"x18" / EAST M3-3 36"x18" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 48"x36"

(J) DETOUR M4-8 30"x15" / TO M4-5P 36"x18" / EAST M3-3 36"x18" / Touhy Ave D3-1 50"x12" / NEXT EXIT

(K) TO M4-5P 36"x18" / EAST M3-3 36"x18" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 48"x36"

(L) TO M4-5P 36"x18" / EAST M3-3 36"x18" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 48"x36"

(M) TO M4-5P, 24"x12" / EAST M3-3, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(N) TO M4-5P, 24"x12" / EAST M3-3, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(O) TO M4-5P, 24"x12" / EAST M3-3, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(P) TO M4-5P, 24"x12" / EAST M3-3, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

(Q) TO M4-5P, 24"x12" / EAST M3-3, 24"x12" / Touhy Ave D3-1 50"x12" / DETOUR M4-9 30"x24"

NOTES:

1. FOR RAMP CLOSURE DETAILS SEE DISTRICT DETAIL TC-08.
2. THE DETOURS FOR RAMPS "A" & "E" WILL ONLY BE ALLOWED FOR 21 CALENDAR DAYS AS APPROVED BY THE ENGINEER.
3. THE DETOURS WILL WORK IN CONJUNCTION WITH STAGES 1 AND 2 OF THE CONTRACT PLANS.
4. DETOUR SIGN SPACING SHALL FOLLOW DISTRICT DETAIL TC-21 UNLESS OTHERWISE NOTED.
5. ALL DETOUR SIGNING AND ASSOCIATED DETOUR TRAFFIC CONTROL INCLUDING DICTRICT DETAIL TC-08 SHALL BE CONSIDERED INCLUDED IN THE COST OF "DETOUR SIGNING".

MODEL: DETOUR [Sheet]
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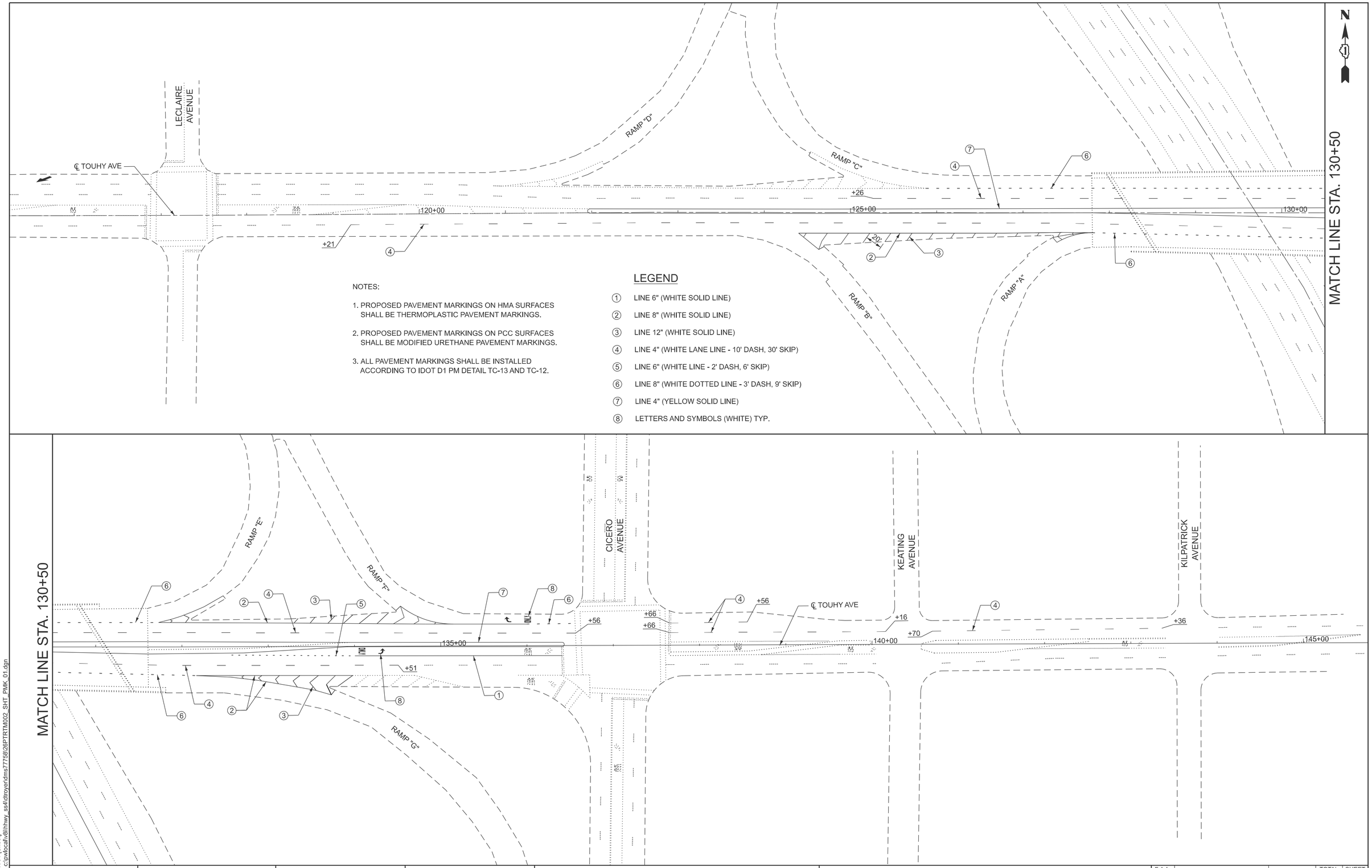
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: 1"=500' | SHEET OF SHEETS | STA. 115+25.00 | TO STA. 145+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	12
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. PROPOSED PAVEMENT MARKINGS ON HMA SURFACES SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
2. PROPOSED PAVEMENT MARKINGS ON PCC SURFACES SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13 AND TC-12.

LEGEND

1. LINE 6" (WHITE SOLID LINE)
2. LINE 8" (WHITE SOLID LINE)
3. LINE 12" (WHITE SOLID LINE)
4. LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)
5. LINE 6" (WHITE LINE - 2' DASH, 6' SKIP)
6. LINE 8" (WHITE DOTTED LINE - 3' DASH, 9' SKIP)
7. LINE 4" (YELLOW SOLID LINE)
8. LETTERS AND SYMBOLS (WHITE) TYP.

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DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLANS
I-94 AT TOUHY AVENUE (OVERHEAD)

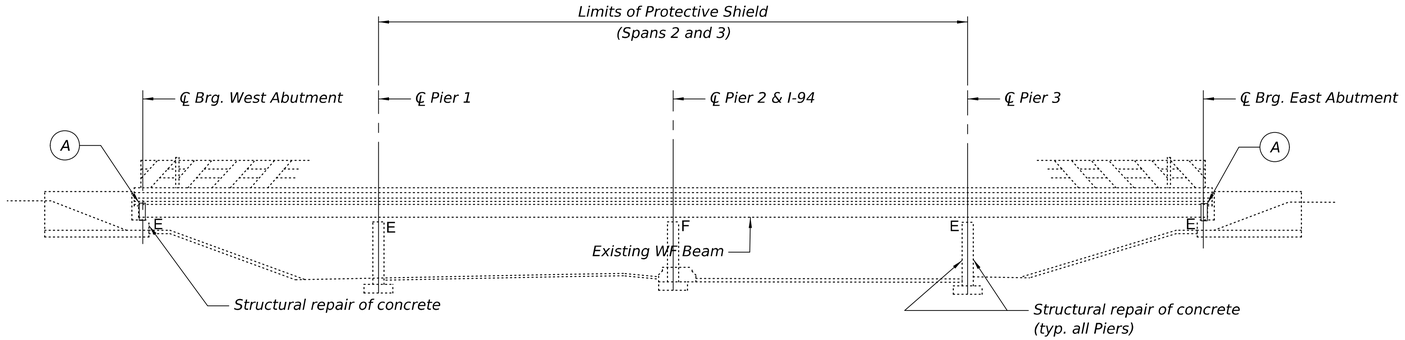
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	13
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			

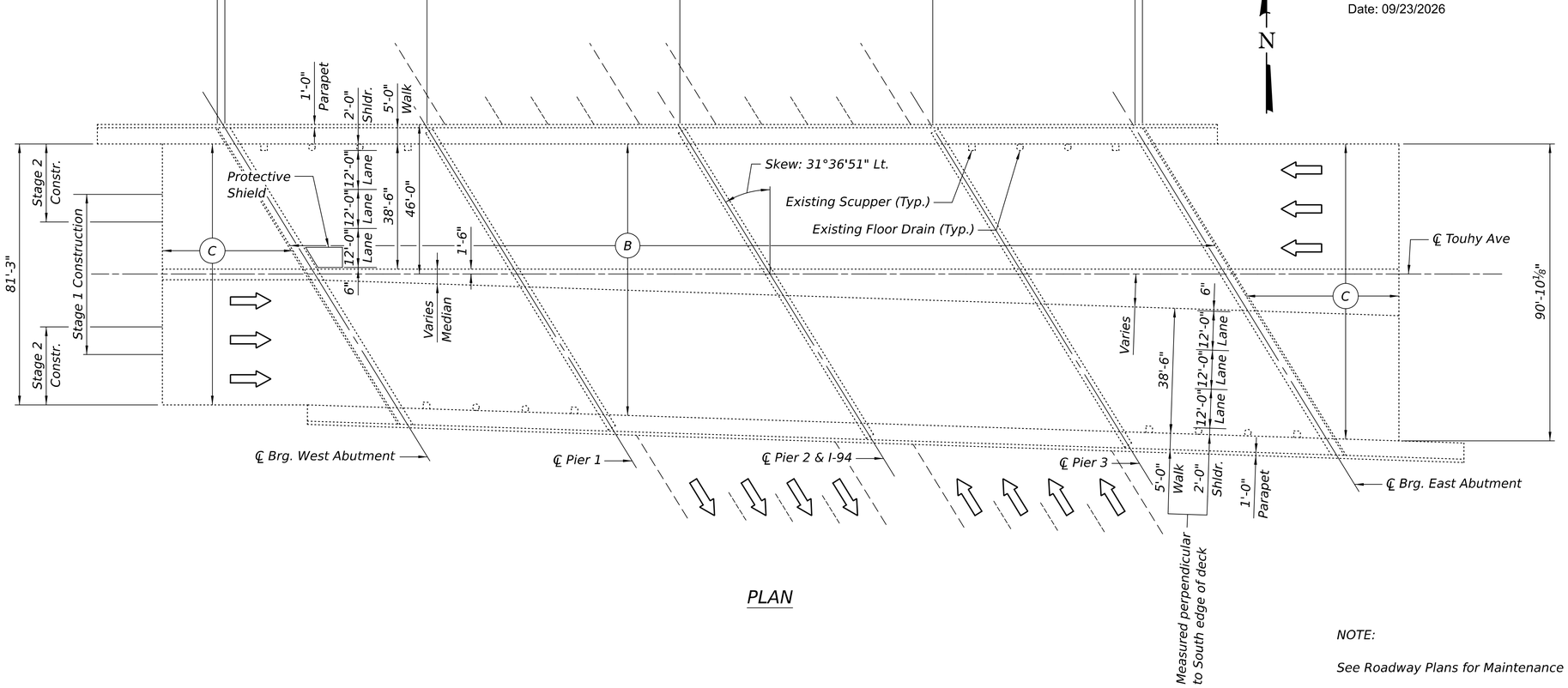
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Existing Structure: The existing structure SN 016-0713, carries Touhy Ave. over I-94 (Edens Expressway). The superstructure consists of a reinforced concrete deck over steel beams. The substructure consists of precast concrete pile-supported abutments and piers. Traffic to be maintained using staged construction.

No Salvage



ELEVATION



PLAN

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

f 'c = 3,500 psi (Substructure)
f 'c = 4,000 psi (Deck, Approaches, Parapet and Barriers)
fy = 60,000 psi (Reinforcememt)

FIELD UNITS (EXISTING CONSTRUCTION)

f 'c = 3,500 psi
fy = 60,000 psi (Reinforcememt)

LIVE LOADING HS-20

No Allowance for future wearing surface.

SCOPE OF WORK:

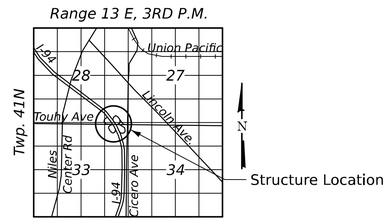
1. Install Protective Shield over I-94 and under full-depth repairs in other spans.
2. Perform partial depth and full depth slab repairs on bridge deck and approach slabs.
3. Perform structural concrete repairs at median.
4. Install steel end plates at specified steel beam locations.
5. Perform structural concrete repairs at West abutment and piers.
6. Clean scuppers and flush drainage system.

LICENSED STRUCTURAL ENGINEER
JONI L. KORTE
081-006122
STATE OF ILLINOIS

Joni L. Korte P.E., S.E.
State of Illinois No. 081-006122
Expires: 11/30/2026
Date: 09/23/2026

LEGEND

- (A) Steel Beam End Repair
- (B) Concrete Deck Repair
- (C) Concrete Approach Slab Repair



LOCATION SKETCH

NOTE:

See Roadway Plans for Maintenance of Traffic details.

GENERAL PLAN AND ELEVATION
TOUHY AVENUE OVER I-94
(EDENS EXPRESSWAY)
SECTION 0304, 1 HB-I-2
COOK COUNTY
STRUCURE NO. 016-0713

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PLOT SCALE =	DRAWN - BMP	REVISED -	
PLOT DATE =	CHECKED - JLK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-1 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	14
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. All structural steel shall be AASHTO M270 Grade 36, unless otherwise noted.

2. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 3/4" dia., holes 13/16" dia., unless otherwise noted.

3. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary 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.

4. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures" and the Standard Specifications. The color of the final finish coat shall be gray, Munsell No. 5B 7/1. Cost included with Structural Steel Repair.

5. All new structural steel and bearing assemblies shall be hot-dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel".

6. 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 at the contractor's expense.

7. The Engineer shall show actual locations and size of deck repairs on As-built Plans.

8. The original structural steel coating may contain lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

9. Cost for protecting existing conduits, light fixtures, and other visible utilities, or temporary relocation and re-installation of these items within the Contractor's work areas, shall be considered included in other items.

INDEX OF SHEETS

S-1 GENERAL PLAN AND ELEVATION
S-2 GENERAL DATA
S-3 MAINTENANCE OF TRAFFIC CROSS SECTIONS
S-4 TEMPORARY CONCRETE BARRIER
S-5 DECK AND APPROACH SLAB REPAIR PLAN
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S-7 BEAM REPAIR DETAILS 1
S-8 BEAM REPAIR DETAILS 2
S-9 WEST ABUTMENT REPAIR DETAILS
S-10 PIER 1 REPAIR DETAILS
S-11 PIER 2 REPAIR DETAILS
S-12 PIER 3 REPAIR DETAILS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
PROTECTIVE SHIELD	SQ YD	1,702	-	1,702
DECK SLAB REPAIR (PARTIAL)	SQ YD	100	-	100
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	12	-	12
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	372	731	1,103
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	-	42	42
STRUCTURAL STEEL REPAIR	POUND	9,896	-	9,896
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	16	-	16
APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	86	-	86
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	3	-	3
TEMPORARY SHORING AND CRIBBING	EACH	-	6	6

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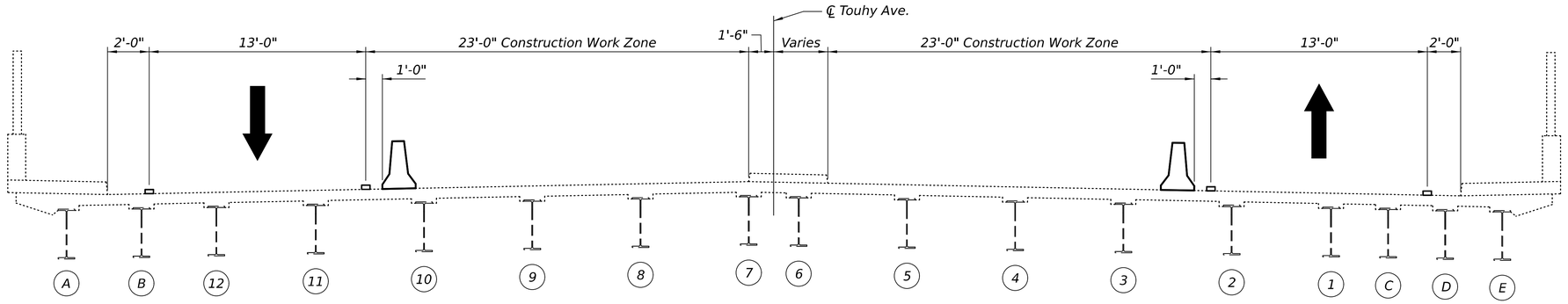
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GENERAL DATA
STRUCTURE NO. 016-0713
SHEET S-2 OF S-12 SHEETS

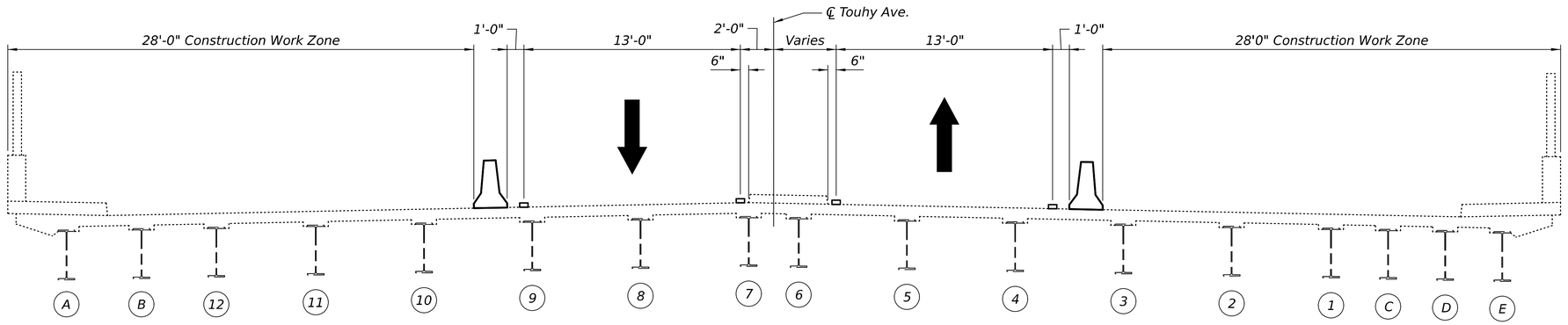
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94	(0304.1-H-B) BR 25	COOK	38	15
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

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STAGE 1 MAINTENANCE OF TRAFFIC

(Looking East)



STAGE 2 MAINTENANCE OF TRAFFIC

(Looking East)

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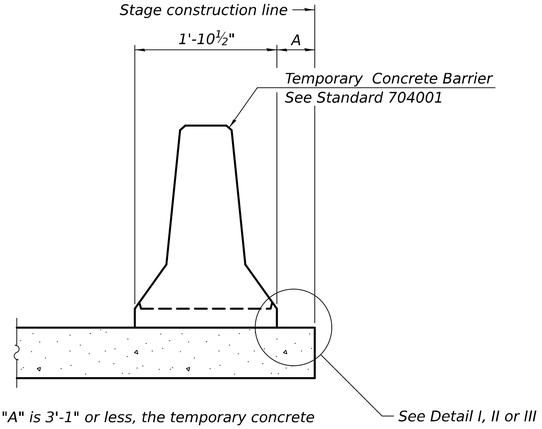
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MAINTENANCE OF TRAFFIC CROSS SECTIONS
STRUCTURE NO. 016-0713

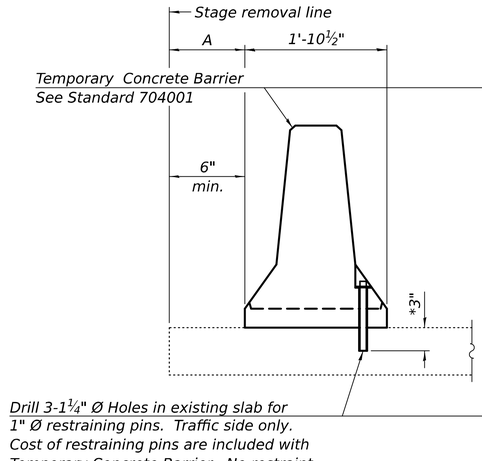
SHEET S-3 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS	FED. AID PROJECT		



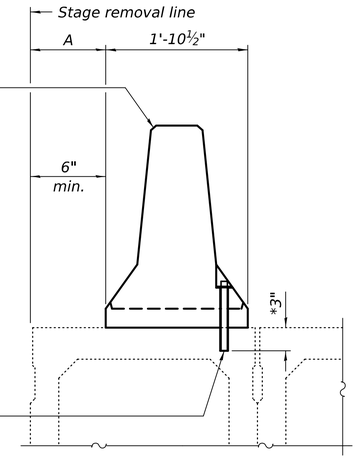
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

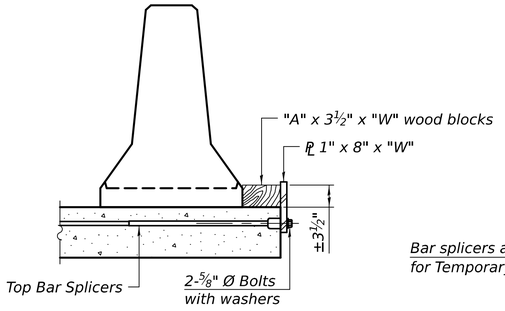
EXISTING SLAB



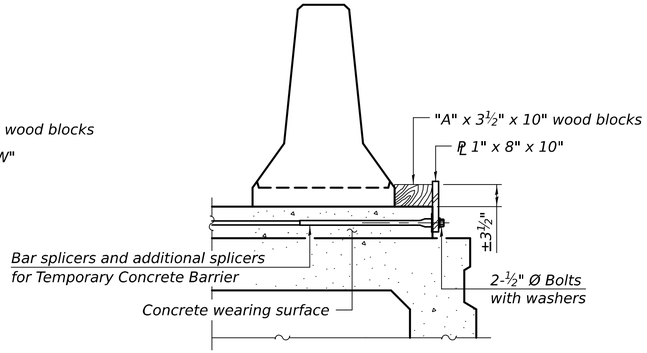
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

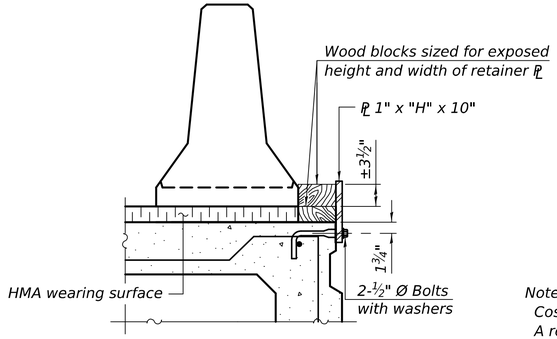
SECTIONS THRU SLAB OR DECK BEAM



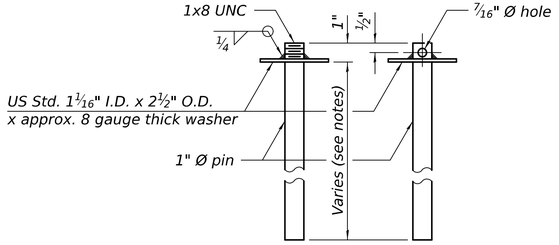
DETAIL I



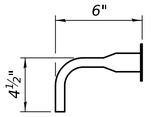
DETAIL II



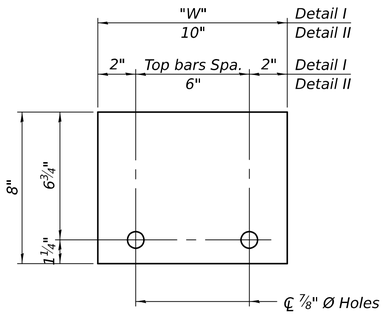
DETAIL III



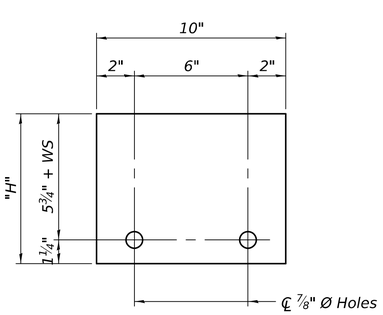
RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

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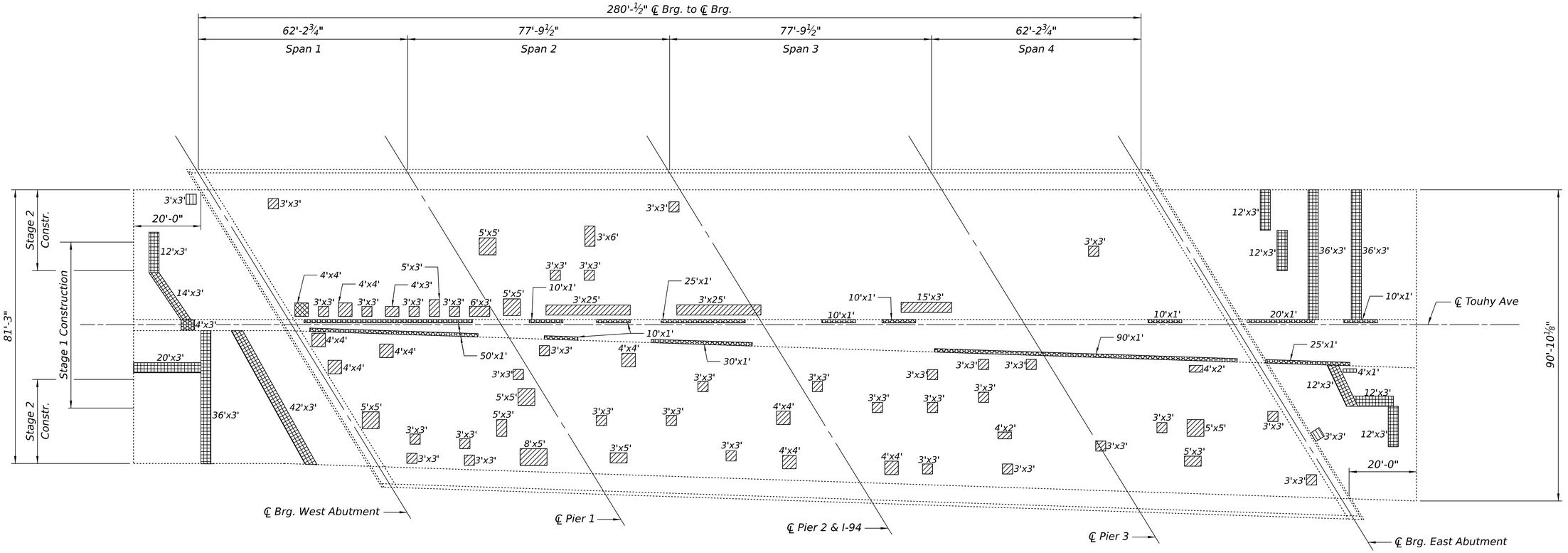
TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 016-0713

SHEET S-4 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	17
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

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TOP OF DECK

BILL OF MATERIAL

ITEM	UNIT	TOTAL
PROTECTIVE SHIELD	SQ YD	1,702
DECK SLAB REPAIR (PARTIAL)	SQ YD	100
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	12
STRUCTURE REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	372
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	16
APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	86
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	3

NOTES:

1. Quantities and limits shown are estimated for bidding purpose only. The actual area to be repaired and the type(s) of repairs to be used, will be determined by the engineer in the field at the time of construction.

2. Clean all scuppers and flush drainage systems. Cost shall be included in Cleaning Bridge Scuppers and Downspouts.

3. The protective shield system shall extend from Pier 1 to Pier 3 and to the out-to-out limits of the existing bridge. Protective shield shall also be placed under any full depth repairs in Spans 1 and 4.

4. See Roadway Plans for Maintenance of Traffic details.

LEGEND

- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial)
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- Approach Slab Repair (Full Depth)
- Approach Slab Repair (Partial Depth)

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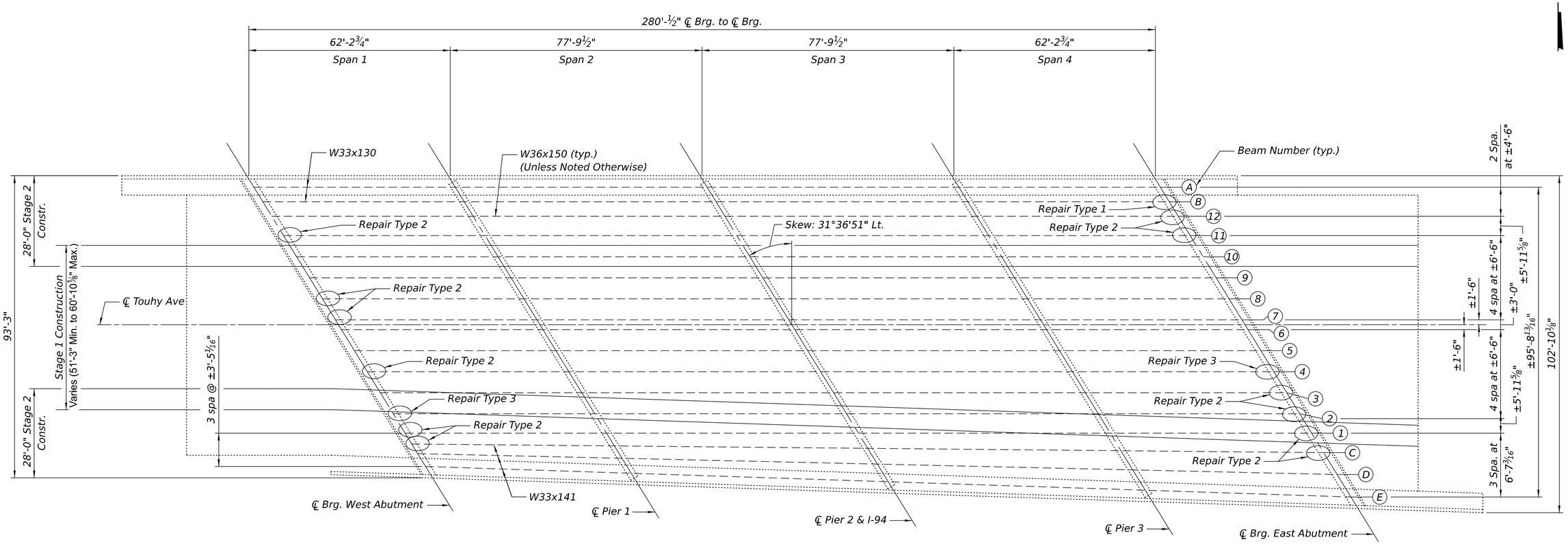
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK AND APPROACH SLAB REPAIR PLAN
STRUCTURE NO. 016-0713
SHEET S-5 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS	FED. AID PROJECT		

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FRAMING PLAN

BILL OF MATERIAL

ITEM	UNIT	TOTAL
STRUCTURAL STEEL REPAIR	POUND	9,896

NOTES:

1. Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in Structural Steel Repair.

2. Diaphragm connection holes shall be $^{15}/_{16}$" ∅ for $^{3}/_{4}$" ∅ bolts. Two hardened washers shall be required at diaphragm connections.

3. Cleaning and painting of contact surfaces shall meet the requirements for Primary Connections as specified in the Special Provisions for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

4. Existing bolted field splices are not shown on this plan.

5. See Roadway Plans for Maintenance of Traffic details.

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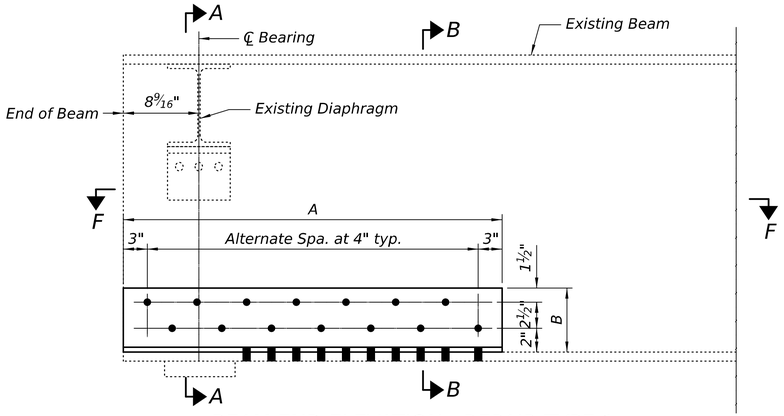
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
STRUCTURE NO. 016-0713
SHEET S-6 OF S-12 SHEETS

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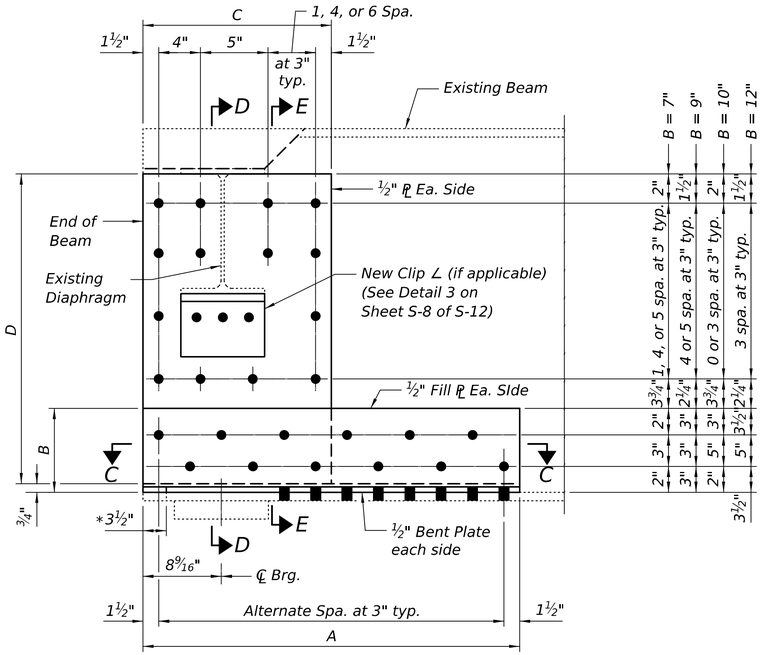
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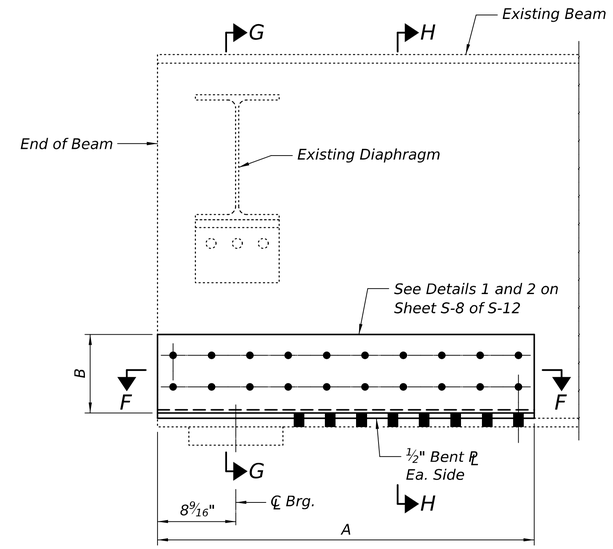
BEAM END ELEVATION - REPAIR TYPE 1

(See S-8 of S-12 for more details)



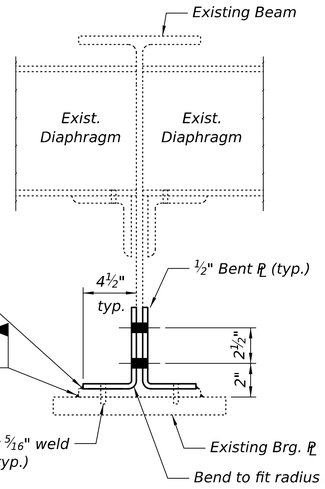
BEAM END ELEVATION - REPAIR TYPE 2

(See S-8 of S-12 for more details)

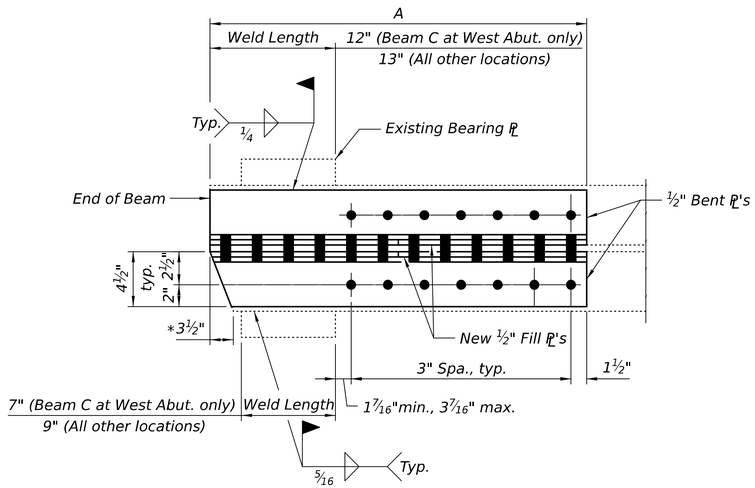


BEAM END ELEVATION - REPAIR TYPE 3

(See S-8 of S-12 for more details)

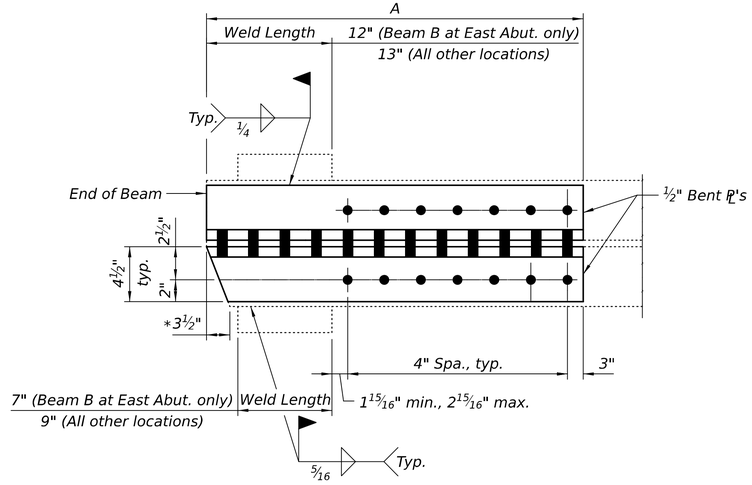


SECTION A-A



SECTION C-C

** Clip bent plate to match existing bottom flange*



SECTION F-F

** Clip bent plate to match existing bottom flange*

REPAIR DETAIL TABLE - WEST ABUTMENT

BEAM	REPAIR	A (IN FEET)	B (IN FEET)	C (IN FEET)	D (IN FEET)
Beam C	Repair Type 2	7.00	1.00	2.00	2.00
Beam 1	Repair Type 2	6.00	0.58	2.00	2.00
Beam 2	Repair Type 3	4.50	0.58	-	-
Beam 4	Repair Type 2	7.00	0.58	2.00	1.25
Beam 7	Repair Type 2	5.00	0.83	2.00	1.25
Beam 8	Repair Type 2	8.50	0.58	2.00	1.25
Beam 11	Repair Type 2	11.00	0.58	2.00	1.25

REPAIR DETAIL TABLE - EAST ABUTMENT

BEAM	REPAIR	A (IN FEET)	B (IN FEET)	C (IN FEET)	D (IN FEET)
Beam C	Repair Type 2	7.00	0.83	2.00	2.00
Beam 1	Repair Type 2	23.00	0.83	2.00	1.25
Beam 2	Repair Type 2	8.50	0.58	2.00	1.25
Beam 3	Repair Type 2	7.00	0.83	2.00	1.25
Beam 4	Repair Type 3	4.50	1.00	-	-
Beam 11	Repair Type 2	8.50	0.75	2.50	2.25
Beam 12	Repair Type 2	4.50	0.58	2.50	2.25
Beam B	Repair Type 1	9.50	0.50	-	-

NOTES:

1. Existing welded plates on face of existing beam web may be removed using the air-arc method, or remain in place if new plates are flush with the beam web. The Contractor must ensure that no damage is done to the existing beam web during removal. Cost included with Structural Steel Repair.

2. Existing diaphragm clip angle connection holes in beam web may be re-used for new clip angles. Use existing holes in beam web as template for holes in new clip angle.

3. All bolt holes shall be field drilled in the existing steel using the new steel as a template. Cost included in Structural Steel Repair.

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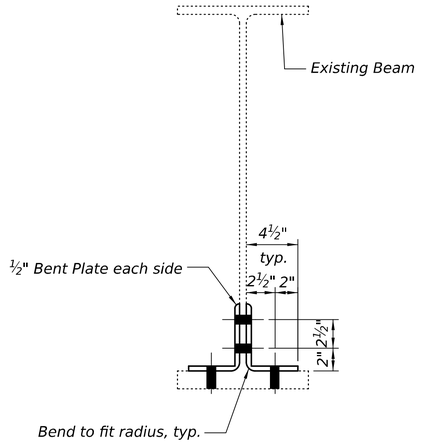
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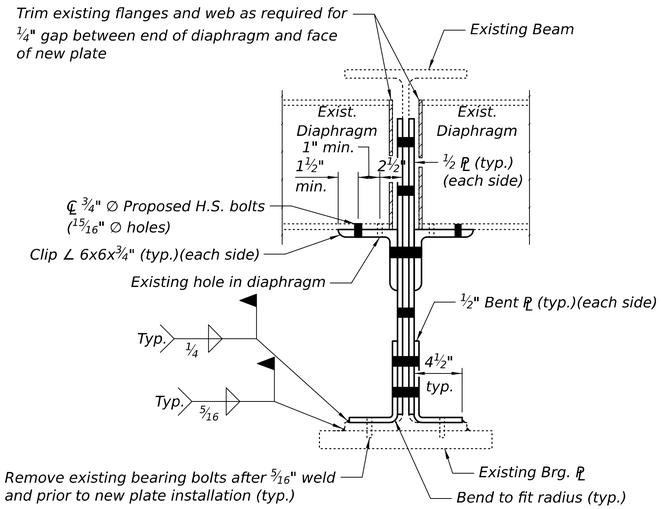
BEAM REPAIR DETAILS 1
STRUCTURE NO. 016-0713
SHEET S-7 OF S-12 SHEETS

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	ILLINOIS	FED. AID PROJECT		

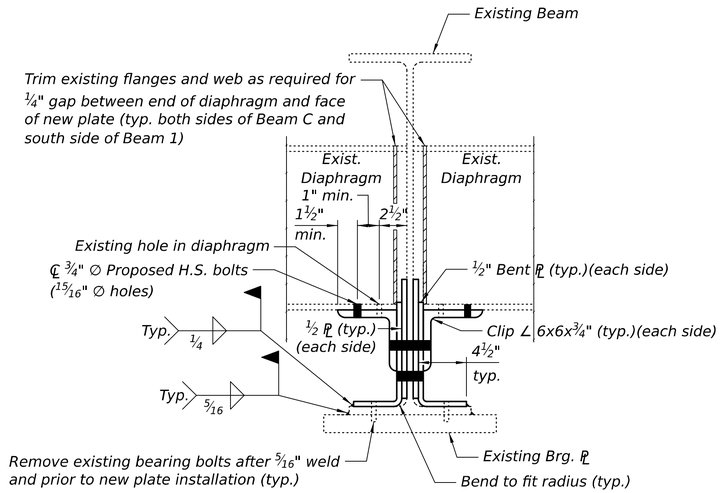
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SECTION B-B

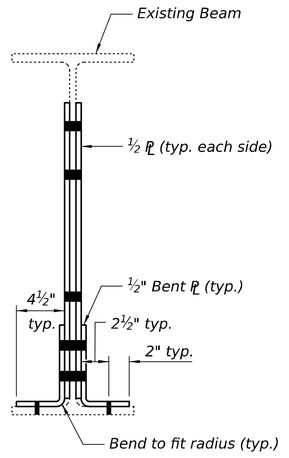


SECTION D-D
ALL BEAMS (UNLESS NOTED OTHERWISE)

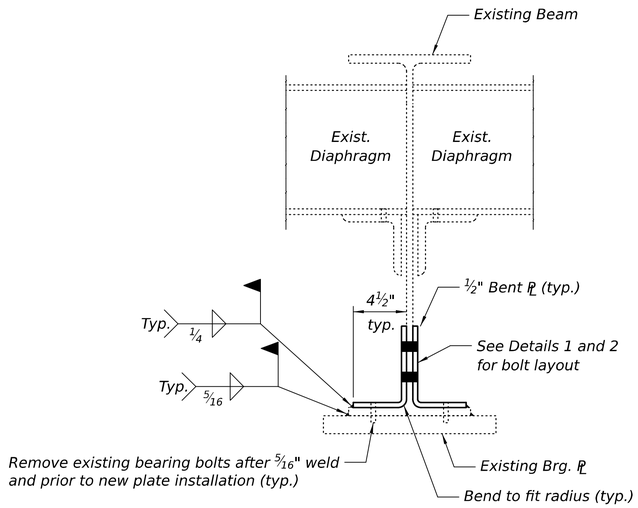


SECTION D-D
(BEAM C AND BEAM 1 EAST ABUTMENT)

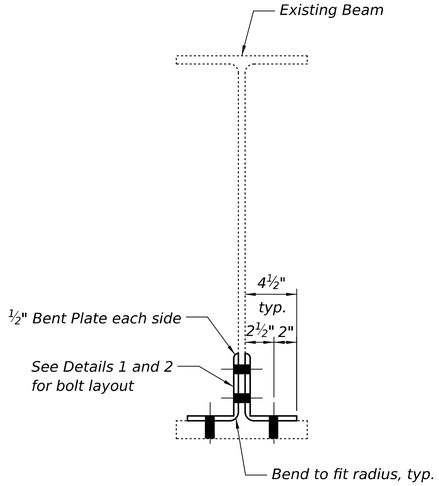
Note: Beam C diaphragm condition shown. Beam 1 similar, except original diaphragm with web connection plates exist on north side. New clip angle may be omitted on north side of Beam 1.



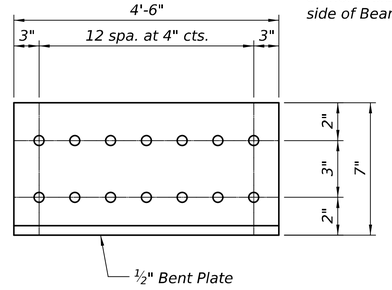
SECTION E-E



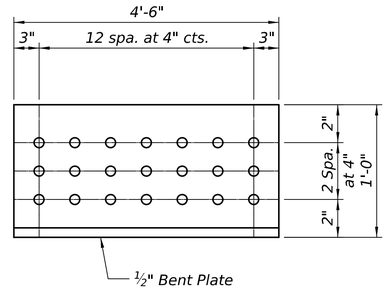
SECTION G-G



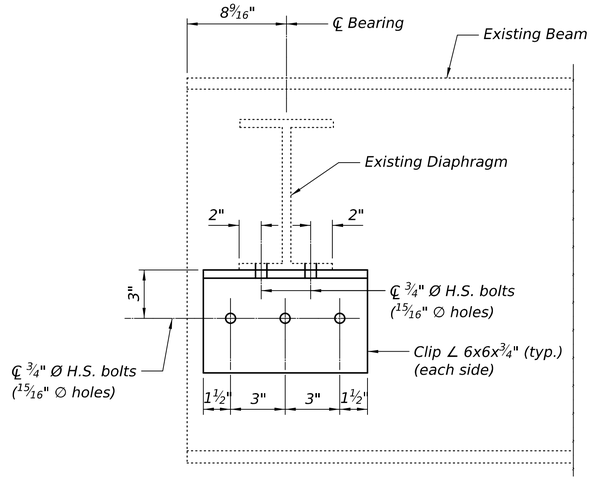
SECTION H-H



DETAIL 1
BEAM 2 (WEST ABUTMENT)



DETAIL 2
BEAM 4 (EAST ABUTMENT)



DETAIL 3

NOTES:

1. Some Type 2 repairs require trimming of existing diaphragms to provide the necessary clearance for installation of the repair detail. All cut surfaces shall be smooth prior to completion of the repair work. Field verify existing conditions before commencing work. All labor, materials, equipement and incidental work required to perform the operation shall be included in structural steel repair.

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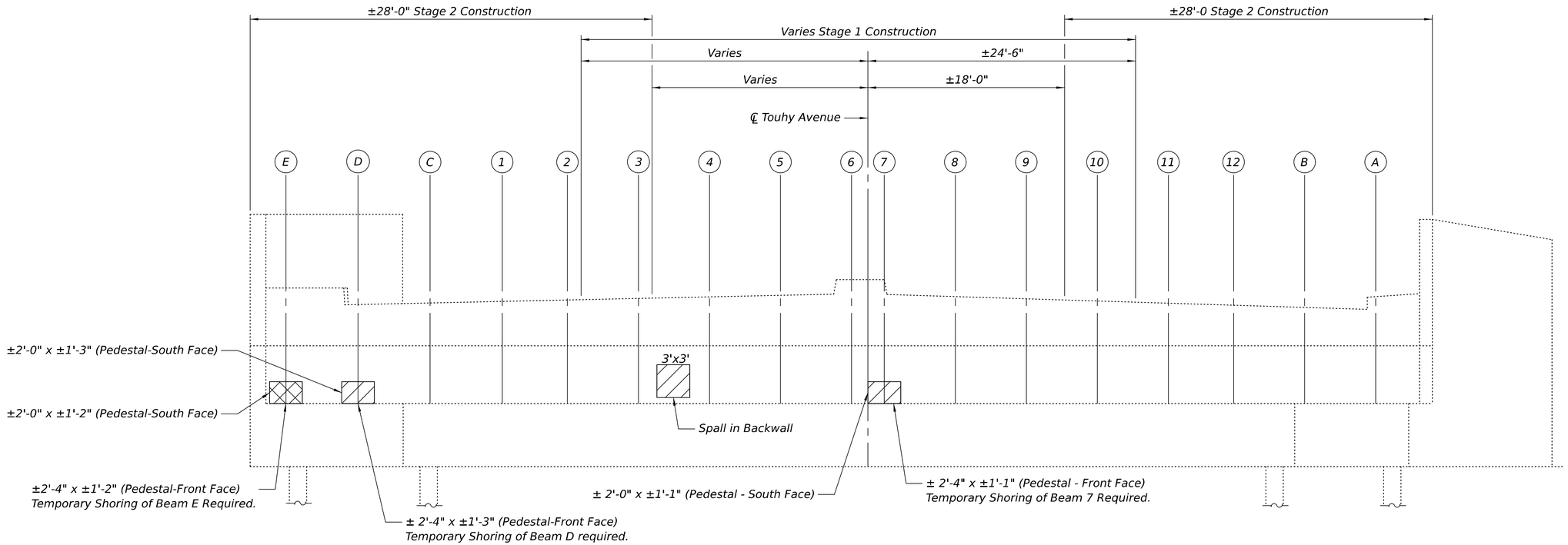
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS 2
STRUCTURE NO. 016-0713
SHEET S-8 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	21
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		



WEST ABUTMENT - ELEVATION

(Looking West)

BILL OF MATERIAL - WEST ABUTMENT

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	22
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	3
TEMPORARY SHORING AND CRIBBING	EACH	3

BEAM REACTION TABLE AT TEMPORARY SHORING LOCATIONS

(See Temporary Shoring and Cribbing Special Provisions)

LOCATION	WEST ABUT - BEAM 7	WEST ABUT - BEAMS D, E	PIER 2 - BEAMS 1, 12	PIER 3 - BEAMS 11
DEAD LOAD (kips)	22	16	76	77
LIVE LOAD (kips)	35	20	51	49
IMPACT (kips)	9	5	13	12
TOTAL UNFACTORED LOAD (kips)	66	41	140	138

LEGEND

Structural Repair of Concrete (depth equal to or less than 5") = 22 SF

Structural Repair of Concrete (depth greater than 5") = 3 SF

NOTES:

1. Quantities and limits shown are estimated for bidding purposes only. The actual area to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.

2. Existing reinforcement bars that are cut or damaged during repair shall be replaced in kind and lapped with existing rebar. No welding of rebar shall be allowed.

3. Stage construction dimensions are measured perpendicular to ℄ Touhy Ave.

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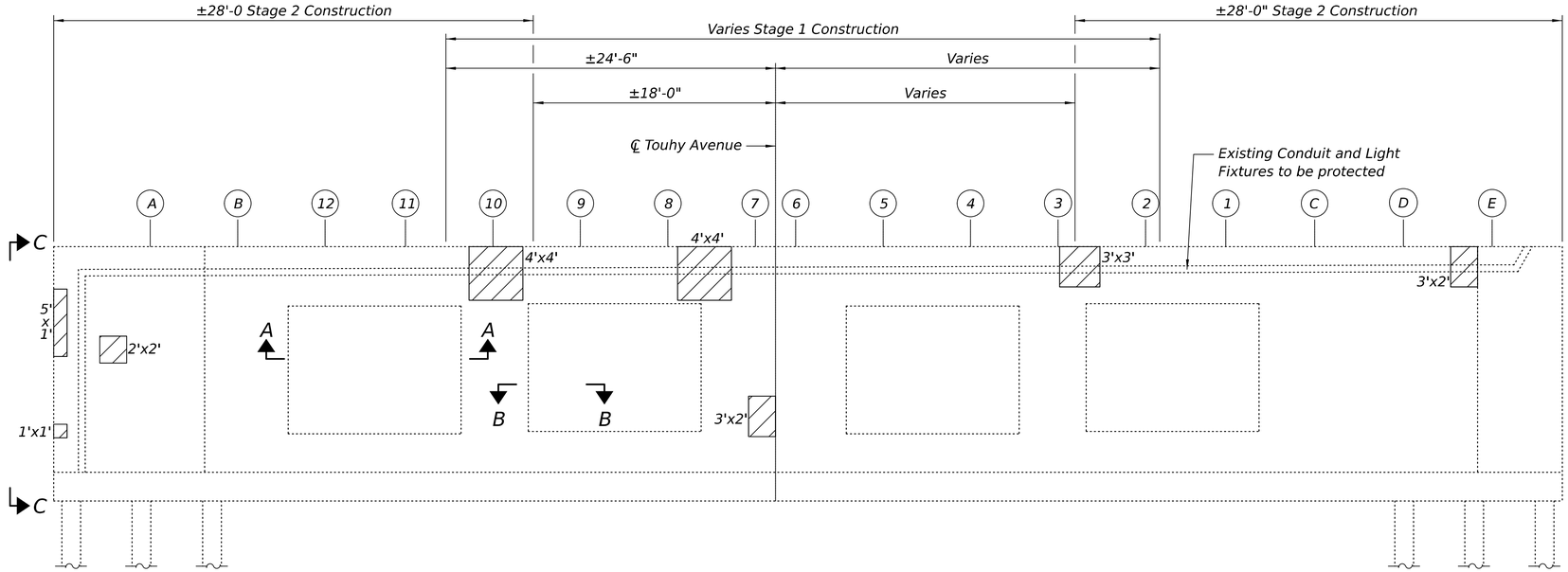
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT REPAIR DETAILS
STRUCTURE NO. 016-0713

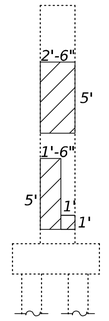
SHEET S-9 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

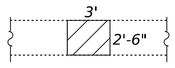
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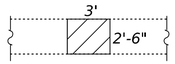
PIER 1 - ELEVATION
(Looking East)



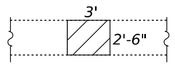
VIEW C-C



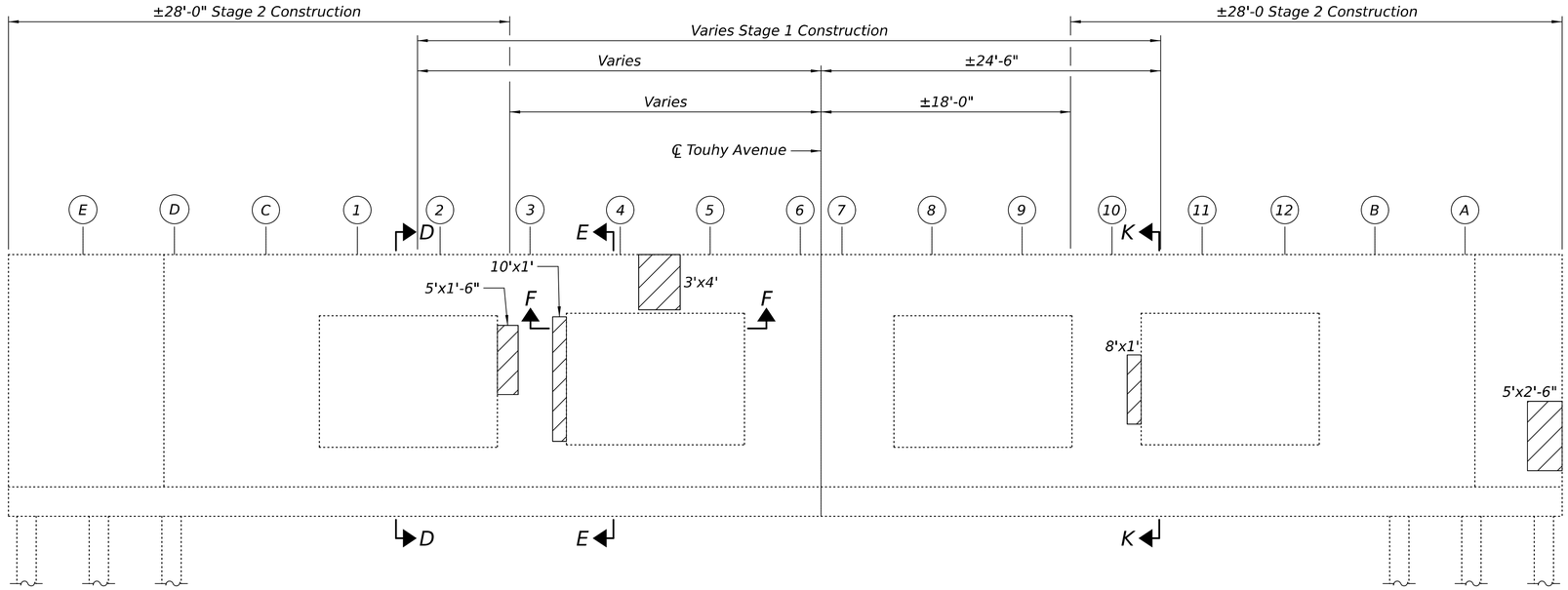
VIEW A-A



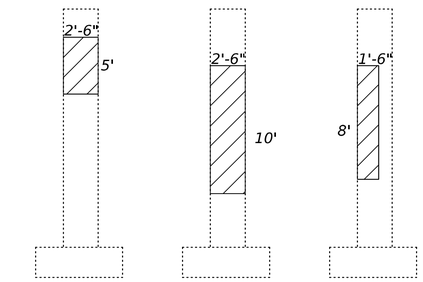
VIEW B-B



VIEW F-F



PIER 1 - ELEVATION
(Looking West)



VIEW D-D VIEW E-E VIEW K-K

NOTES:

1. Quantities and limits shown are estimated for bidding purposes only. The actual area to be repaired and the type(s) of repairs to be used will be determined bythe Engineer in the field at the time of construction.

2. Existing reinforcement bars that are cut or damaged during repair shall be replaced in kind and lapped with existing rebar. No welding of rebar shall be allowed.

3. Stage construction dimensions are measured perpendicular to ℄ Touhy Ave.

BILL OF MATERIAL - PIER NO. 1

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	206

LEGEND

Structural Repair of Concrete (depth equal to or less than 5") = 199 SF

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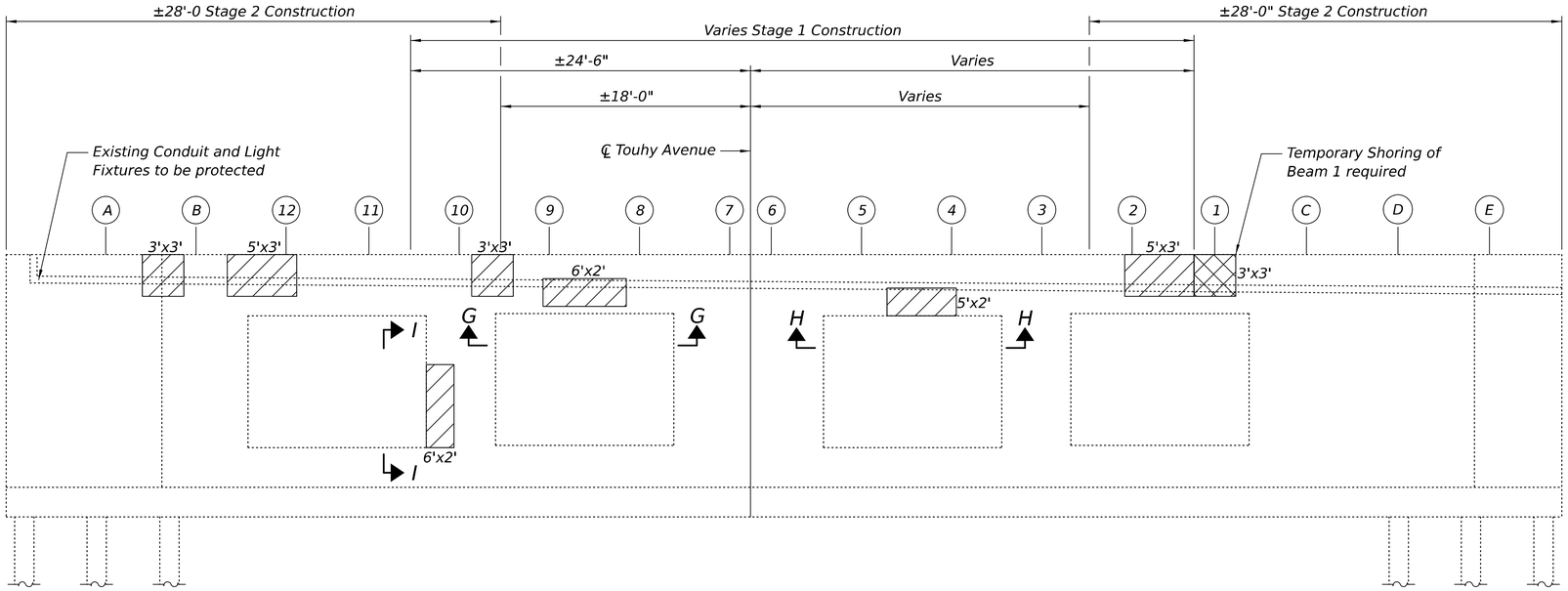
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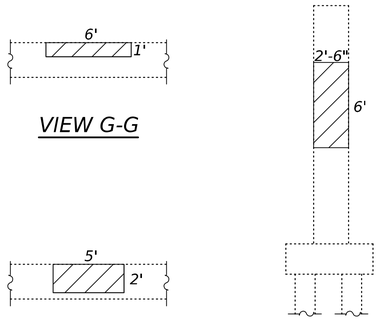
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 REAPAIR DETAILS
STRUCTURE NO. 016-0713
SHEET S-10 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	23
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		



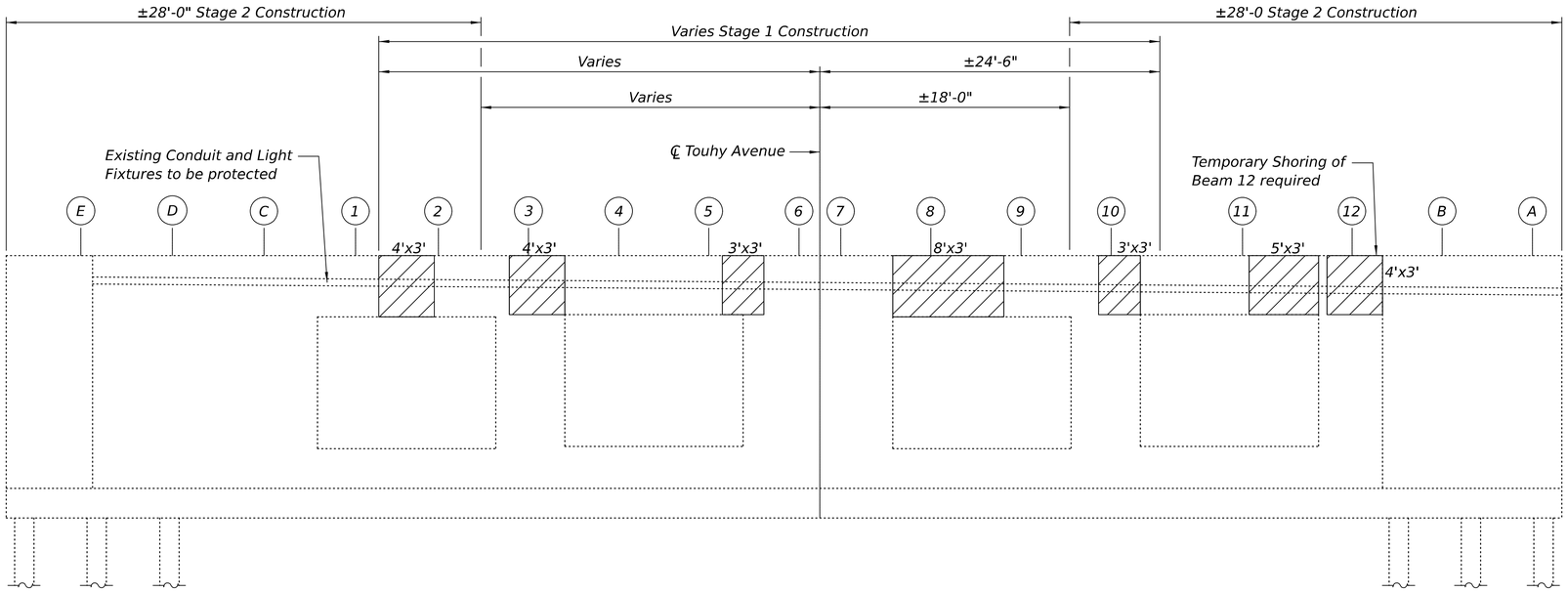
PIER 2 - ELEVATION
(Looking East)



VIEW G-G

VIEW H-H

VIEW I-I



PIER 2 - ELEVATION
(Looking West)

NOTES:

1. Quantities and limits shown are estimated for bidding purposes only. The actual area to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.

2. Existing reinforcement bars that are cut or damaged during repair shall be replaced in kind and lapped with existing rebar. No welding of rebar shall be allowed.

3. Temporary shoring and cribbing shall be installed prior to the start of the structural repair of concrete and shall be removed after completing the structural repair of concrete.

4. Stage construction dimensions are measured perpendicular to ℄ Touhy Ave.

BILL OF MATERIAL - PIER NO. 2

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	206
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	9
TEMPORARY SHORING AND CRIBBING	EACH	2

LEGEND

Structural Repair of Concrete (depth equal to or less than 5") = 206 SF

Structural Repair of Concrete (depth greater than 5") = 9 SF

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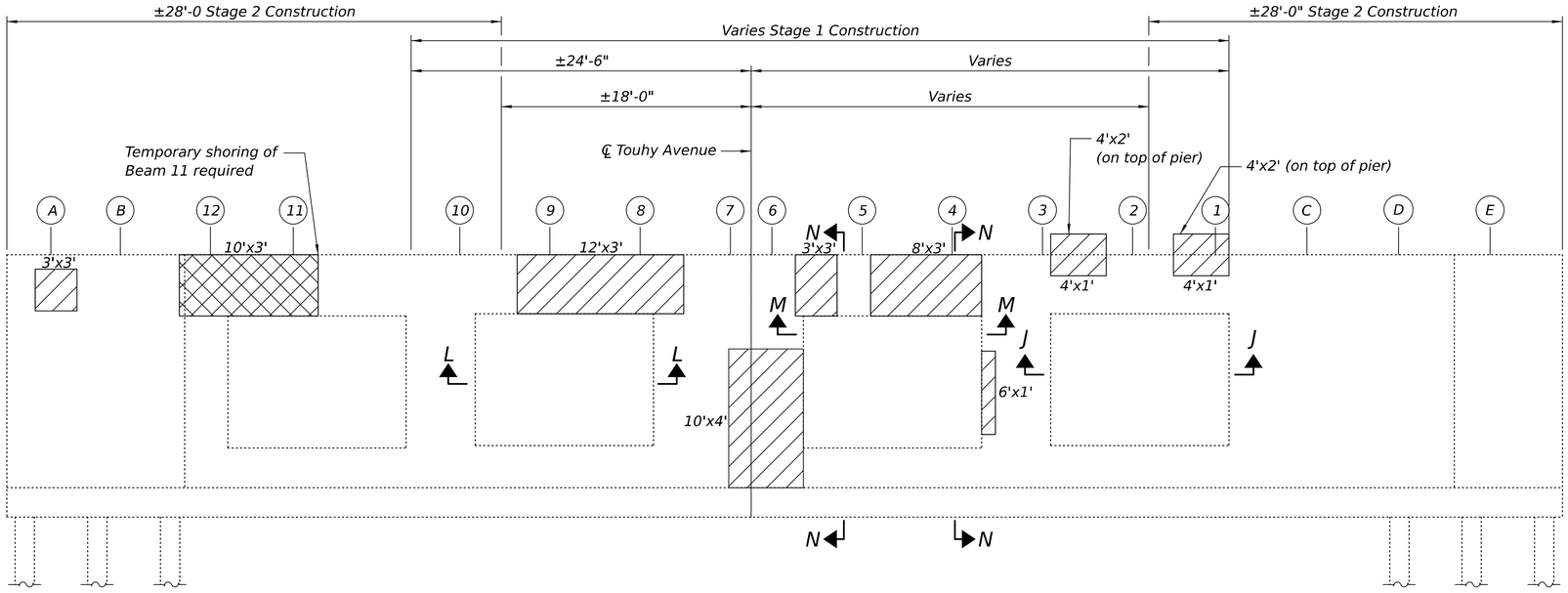
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 REPAIR DETAILS
STRUCTURE NO. 016-0713
SHEET S-11 OF S-12 SHEETS

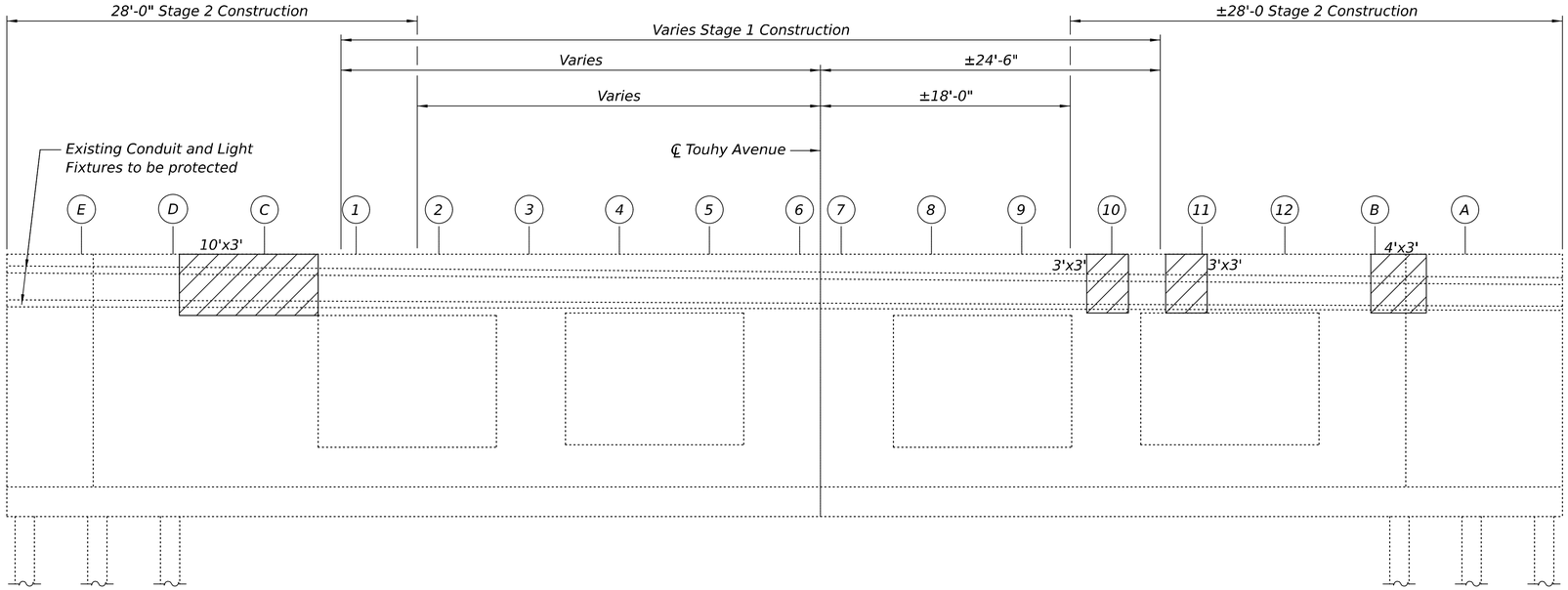
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	24
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

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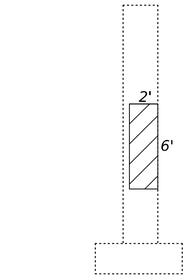
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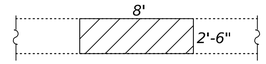
PIER 3 - ELEVATION
(Looking East)



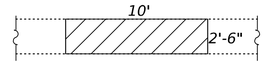
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(Looking West)



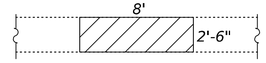
VIEW N-N
(2 Locations)



VIEW J-J



VIEW L-L



VIEW M-M

NOTES:

1. Quantities and limits shown are estimated for bidding purposes only. The actual area to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.

2. Existing reinforcement bars that are cut or damaged during repair shall be replaced in kind and lapped with existing rebar. No welding of rebar shall be allowed.

3. Temporary shoring and cribbing shall be installed prior to the start of the structural repair of concrete and shall be removed after completing the structural repair of concrete.

4. Stage construction dimensions are measured perpendicular to ℄ Touhy Ave.

BILL OF MATERIAL - PIER NO. 3

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	297
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	30
TEMPORARY SHORING AND CRIBBING	EACH	1

LEGEND

Structural Repair of Concrete (depth equal to or less than 5") = 297 SF

Structural Repair of Concrete (depth greater than 5") = 30 SF

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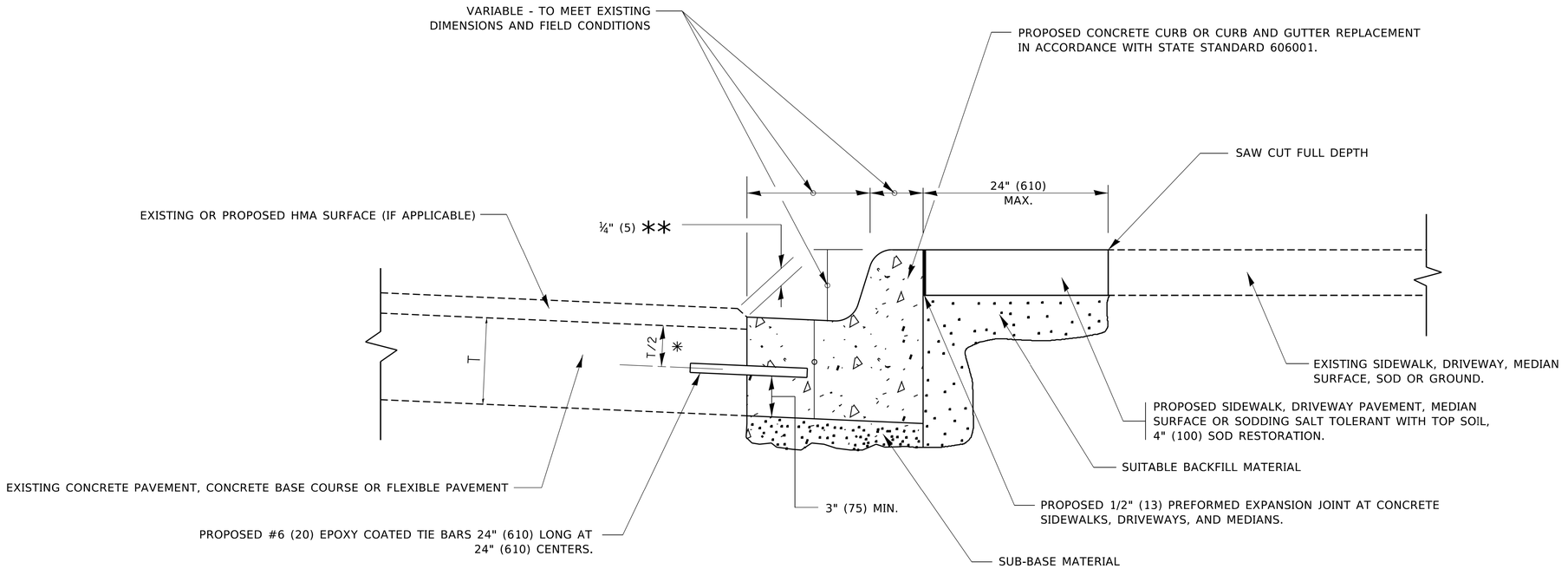
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 REPAIR DETAILS
STRUCTURE NO. 016-0713
SHEET S-12 OF S-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	25
		CONTRACT NO.		80C12
	ILLINOIS	FED. AID PROJECT		

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* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS FED. AID PROJECT			

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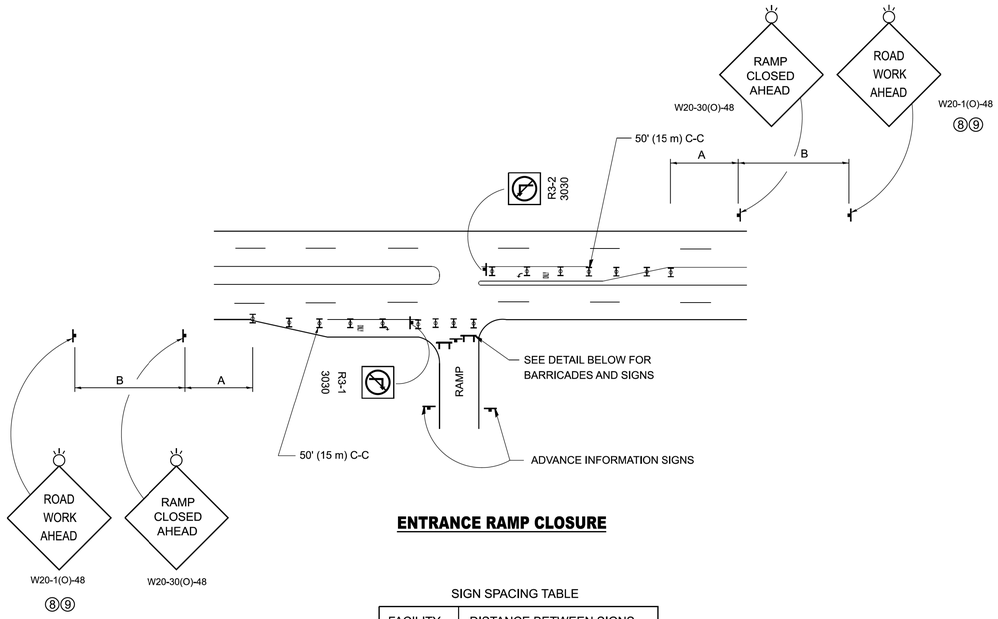
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	26
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			

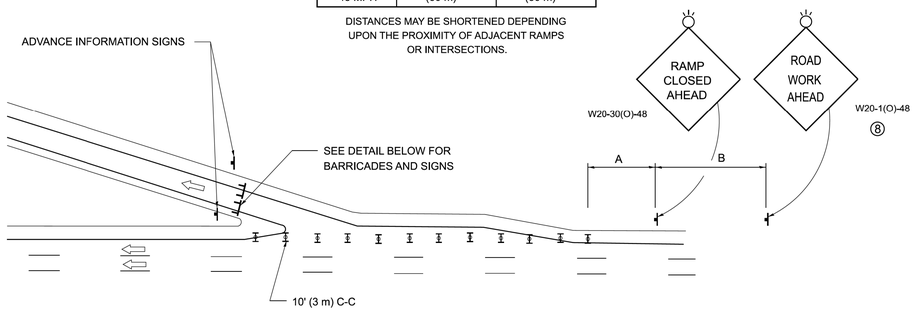


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS A	DISTANCE BETWEEN SIGNS 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.

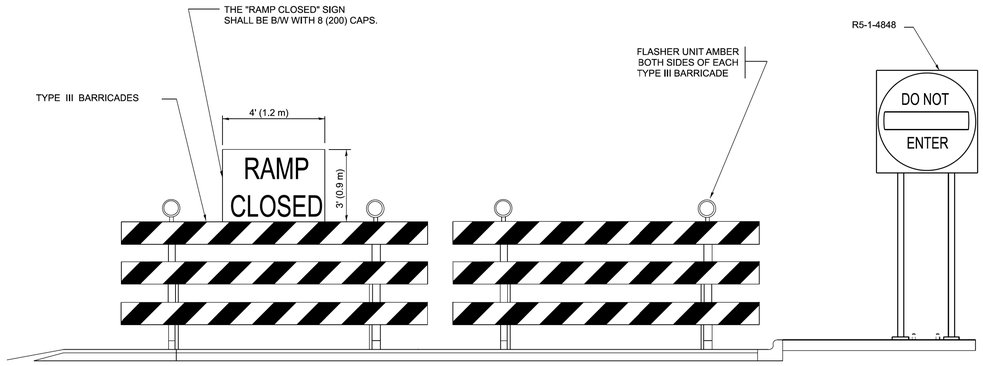


EXIT RAMP CLOSURE

SYMBOLS

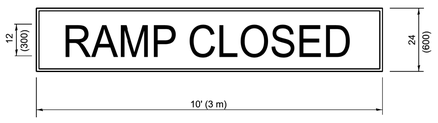
TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

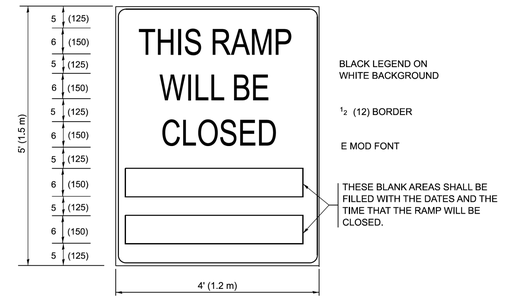
RAMP CLOSURE ADVANCE WARNING SIGN



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, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
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 WORK AHEAD" SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A "ROAD WORK AHEAD" SIGN.
9. ARTERIAL "ROAD WORK 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 = 9/15/2026	DATE - 02-83	REVISED - D.S._09-26	

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.
				0001
TC-08	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			

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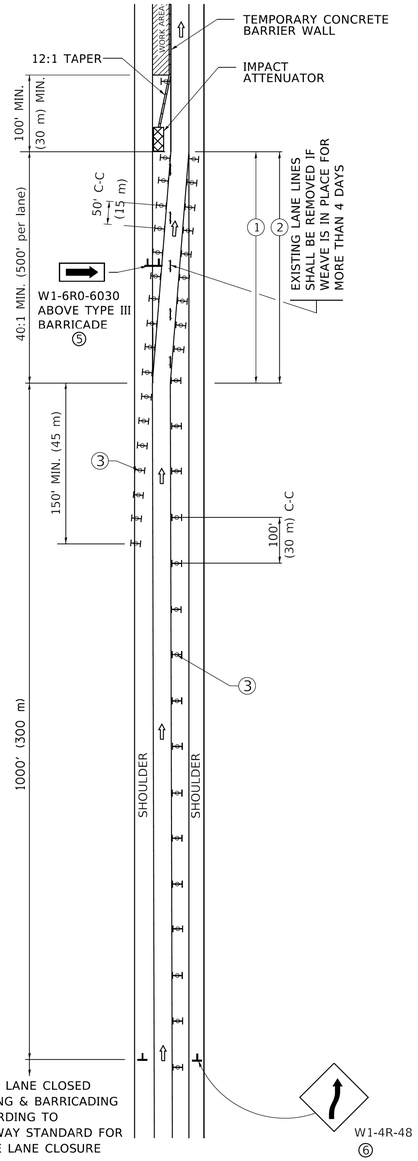
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

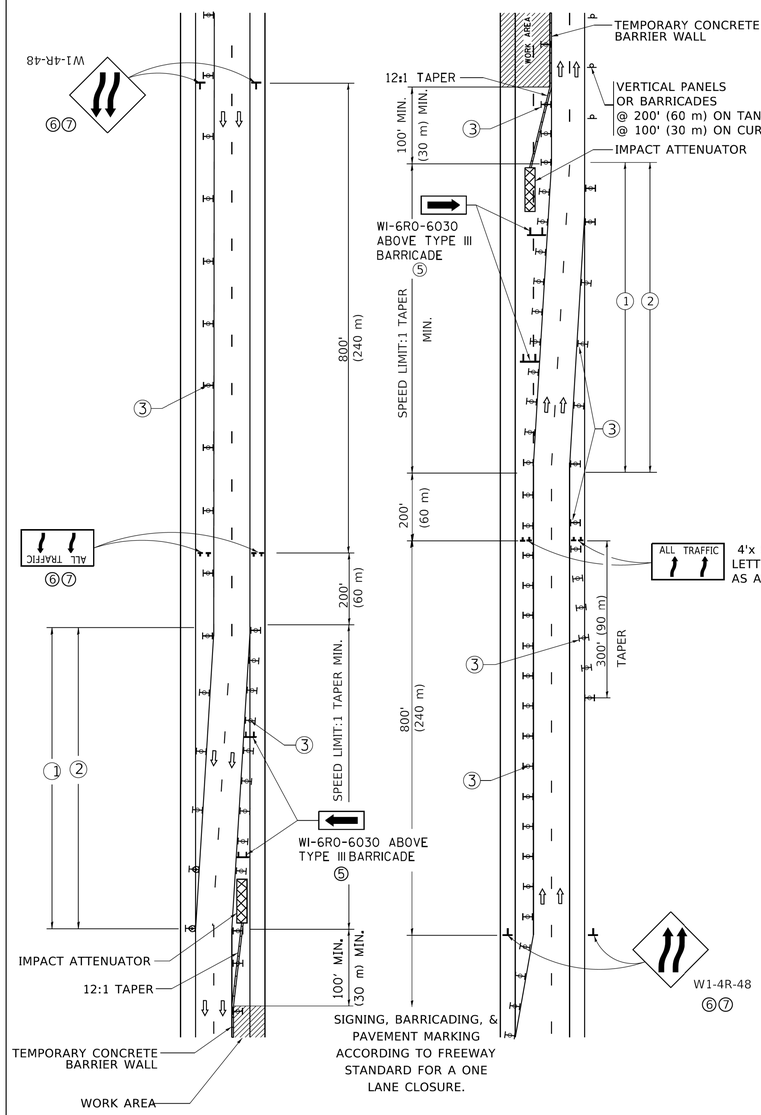
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	27
	CONTRACT NO. 80C12			
	ILLINOIS FED. AID PROJECT			

SINGLE LANE WEAVE



MULTI–LANE WEAVE



ALL TRAFFIC — 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

GENERAL NOTES:

① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.

② CONTINOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.

⑤ TYPE III BARRICADES MAY BE OMMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.

⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W24-1-48 ⑦

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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STATE OF ILLINOIS
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TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI–LANE WEAVE

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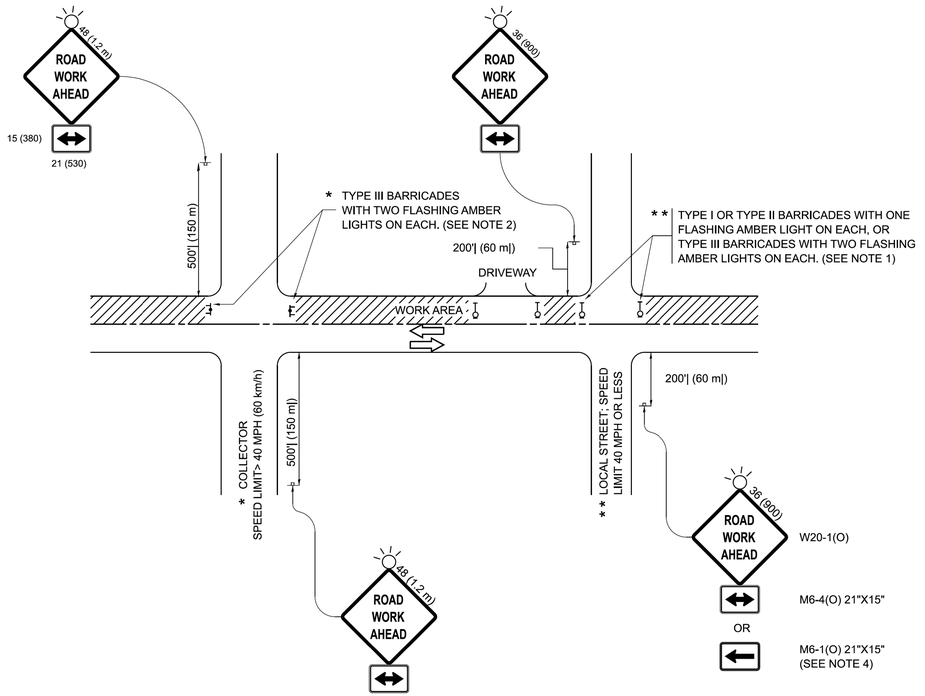
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	28
		CONTRACT NO. 80C12		
	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 WORK 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 WORK 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.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO.		
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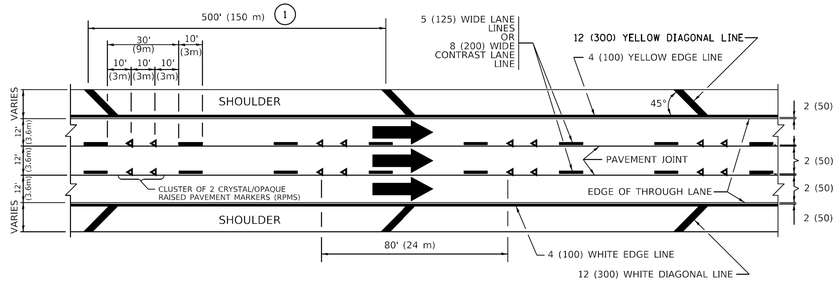
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. TO STA.

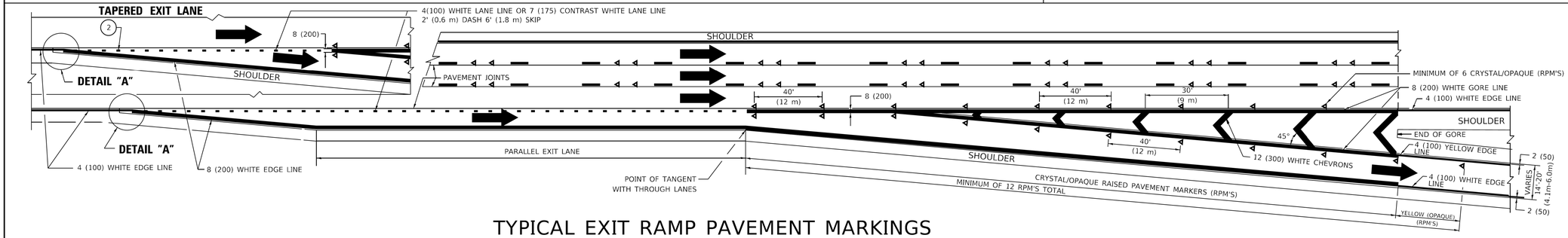
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		CONTRACT NO. 80C12		
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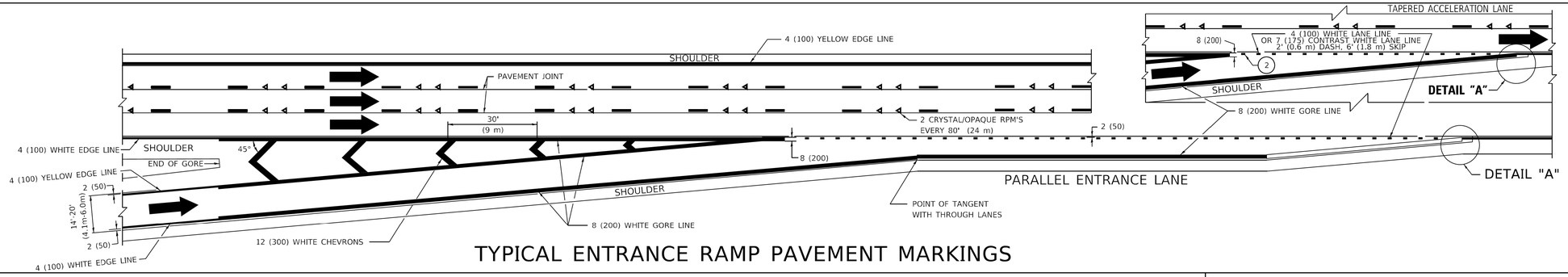
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

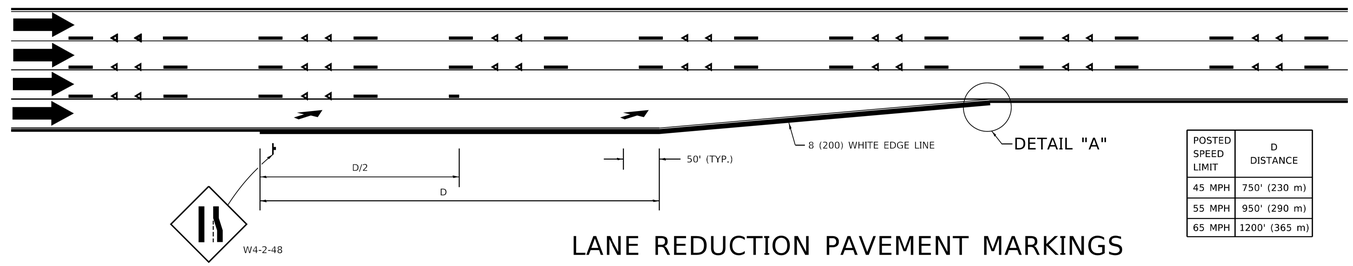
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

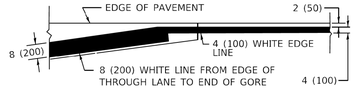


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

LANE REDUCTION PAVEMENT MARKINGS



DETAIL "A"

NOTES:

1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

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MULTI–LANE FREEWAY
PAVEMENT MARKING DETAILS

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC–12	CONTRACT NO.		
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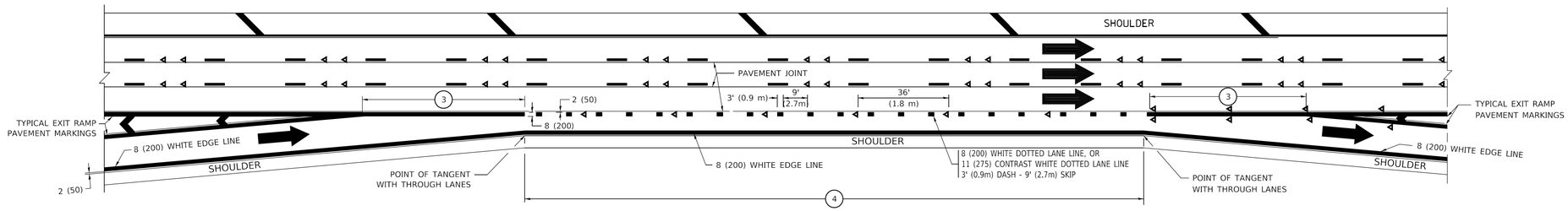
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

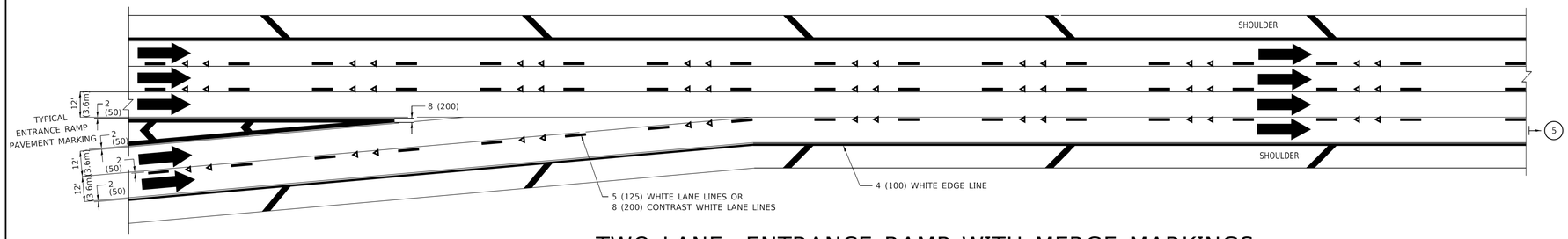
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I-94 AT TOUHY AVENUE (OVERHEAD)

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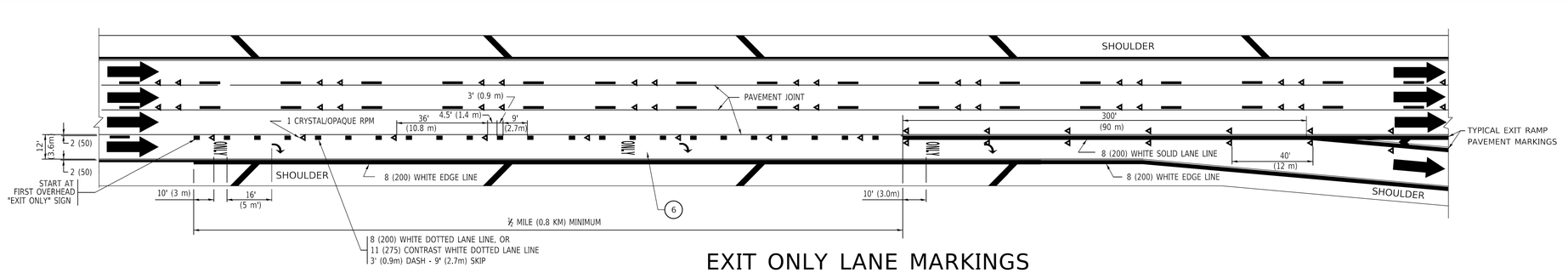
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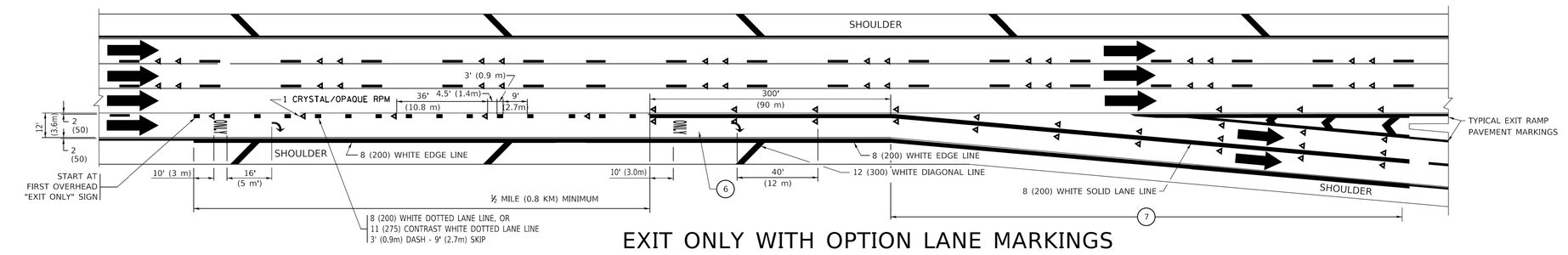
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

NOTES:

3. OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
4. 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
5. FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
6. ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED..
7. CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI–LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC–12		CONTRACT NO.		
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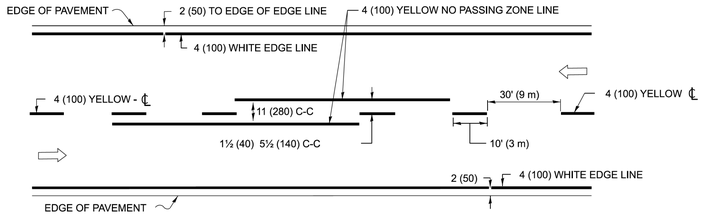
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

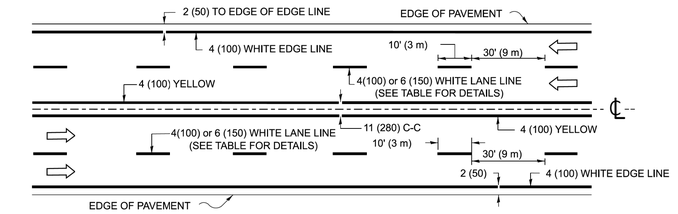
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I-94 AT TOUHY AVENUE (OVERHEAD)

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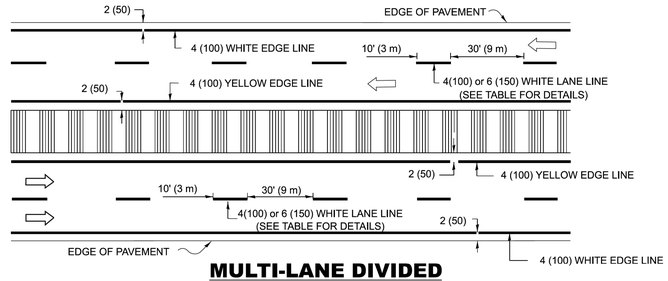
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94	(0304.1-H-B) BR 25	COOK	38	31
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

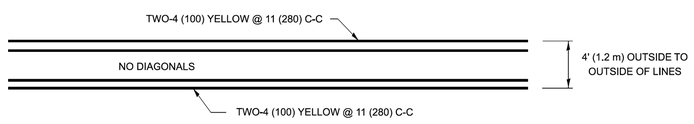


MULTI-LANE UNDIVIDED

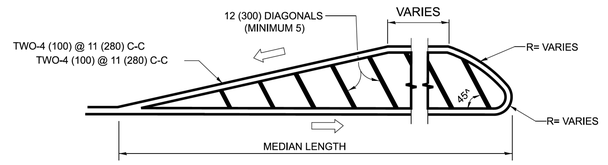


MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



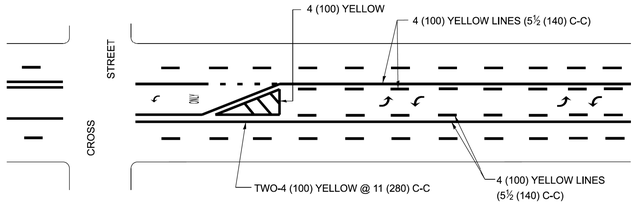
4' (1.2 m) WIDE MEDIANS ONLY



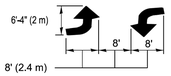
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

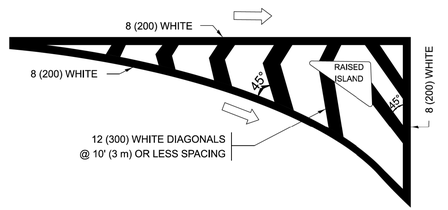


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

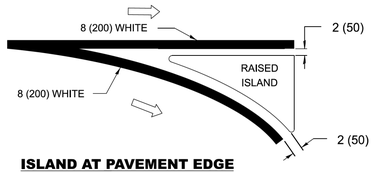


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

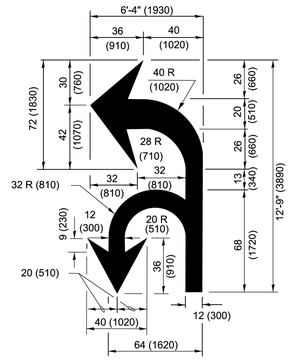


ISLAND OFFSET FROM PAVEMENT EDGE

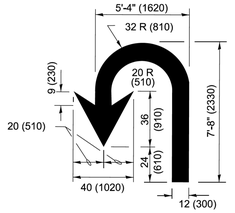


ISLAND AT PAVEMENT EDGE

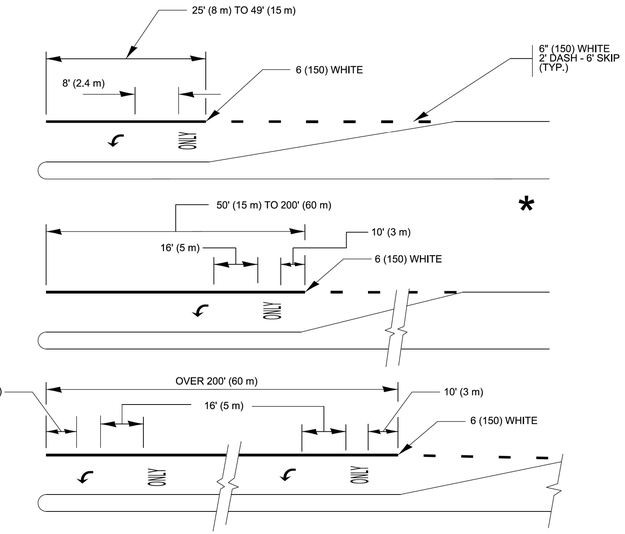
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

* 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 MARKING

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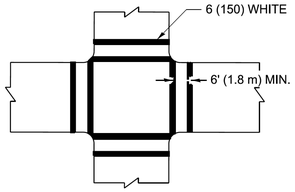
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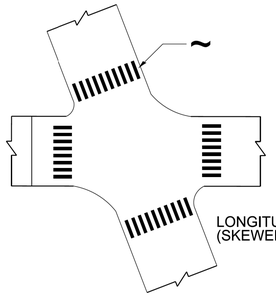
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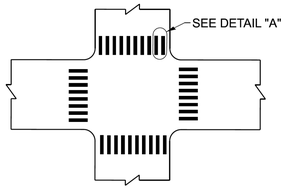
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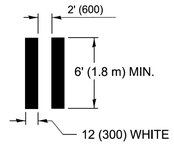
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

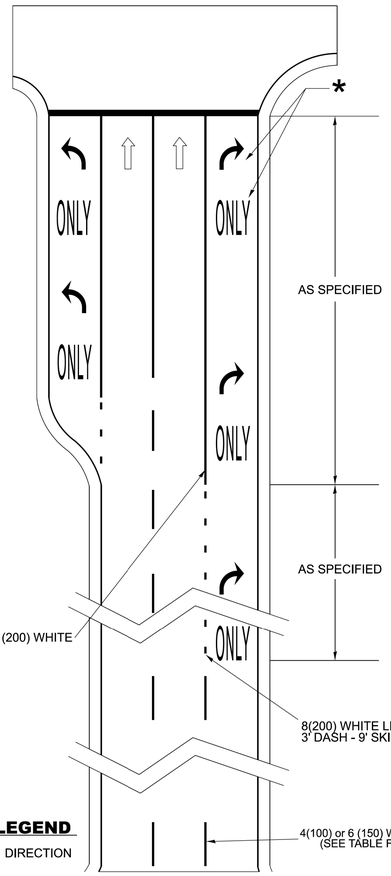


DETAIL "A"

TYPICAL CROSSWALK MARKING

~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC

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



ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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	 5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) 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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
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 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001, TC 23 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
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	 8 (200) 8 (200)	 SKIP - DASH SOLID	 WHITE WHITE	 3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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.

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PLOT DATE = 6/29/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13B	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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	CHECKED - KE	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	33
		CONTRACT NO. 80C12		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

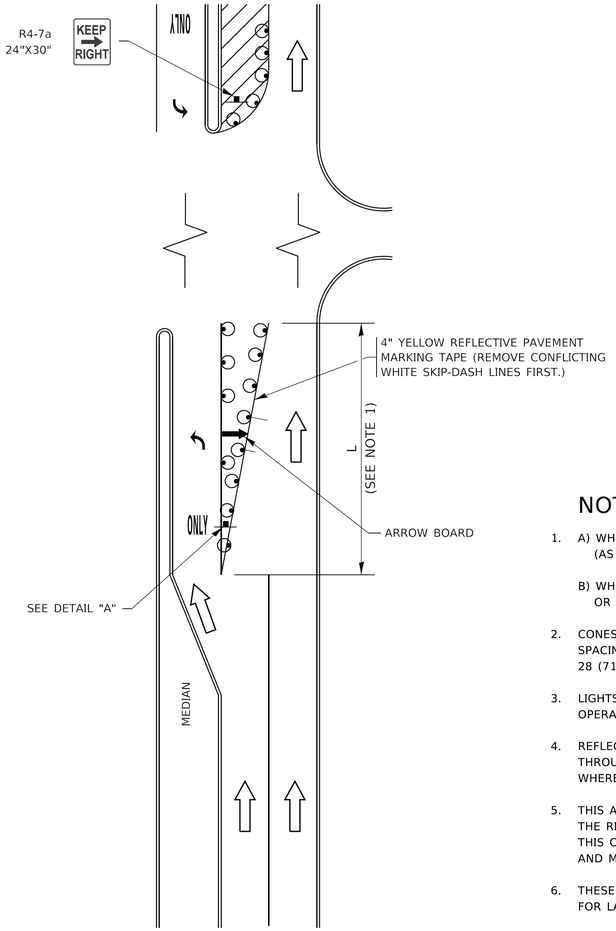


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

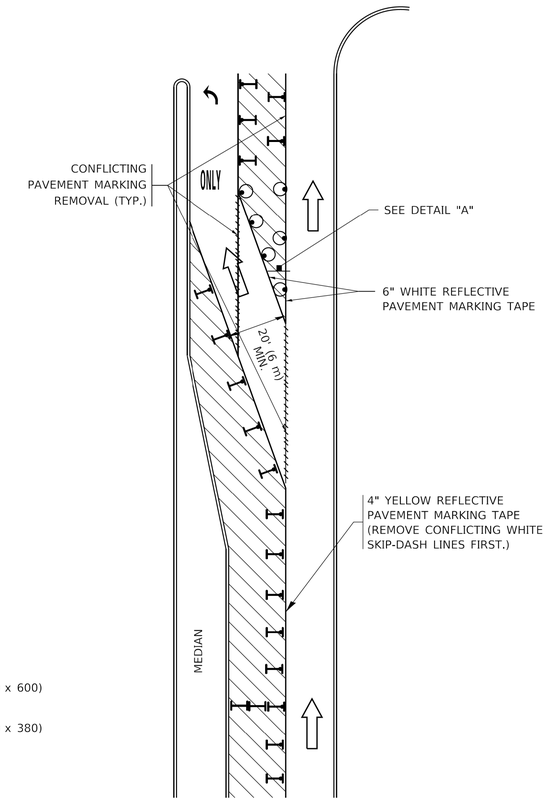
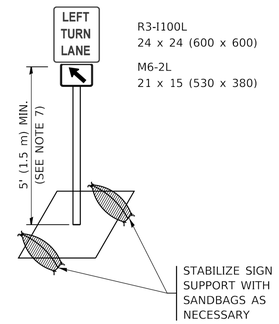


FIGURE 2



DETAIL A

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

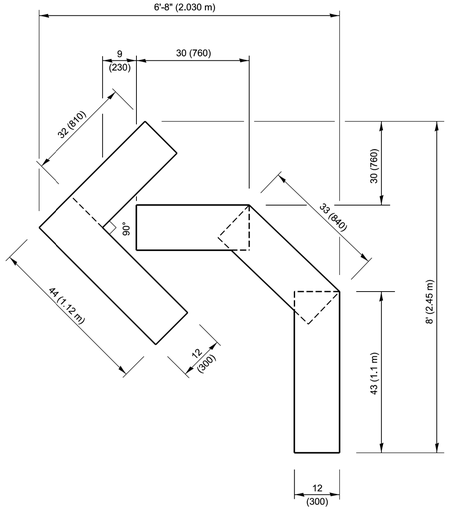
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		CHECKED - KE	REVISED -		
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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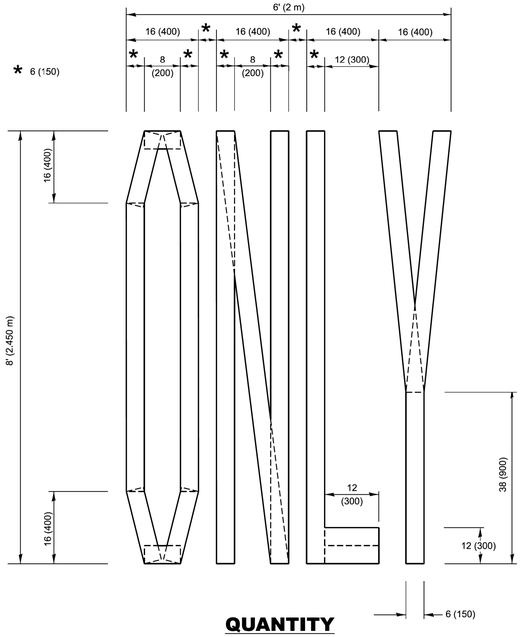
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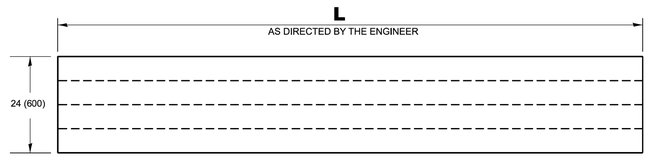
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6 (150) LINE = 30.4 ft. (9.27 m)
15.2 sq. ft. (1.41 sq. m)



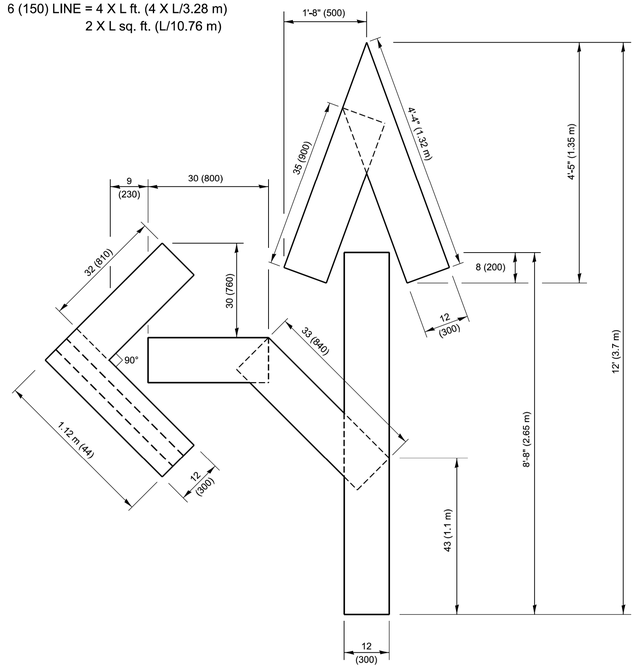
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6 (150) LINE = 64.1 ft. (19.5 m)
32.05 sq. ft. (2.98 sq. m)



QUANTITY

6 (150) LINE = 4 X L ft. (4 X L/3.28 m)
2 X L sq. ft. (L/10.76 m)

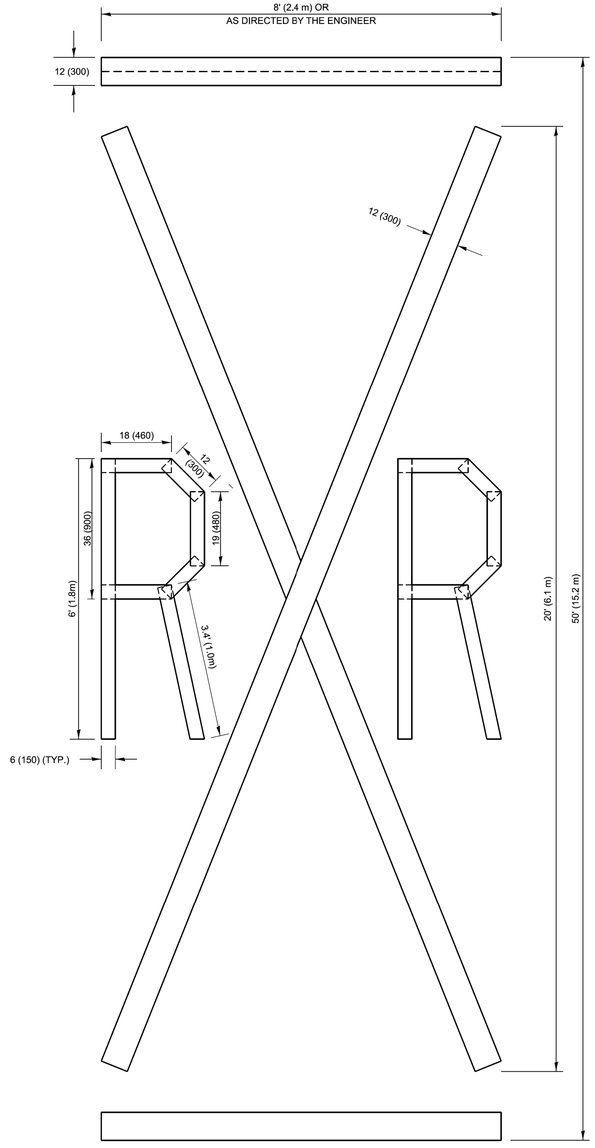


QUANTITY

6 (150) LINE = 55 ft. (16.76 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 6" LINES TO MATCH THE 6" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 6" TAPE REQUIRED.



QUANTITY

6 (150) LINE = 225.9 ft. (68.9 m)
112.95 sq. ft. (10.5 sq. m)

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

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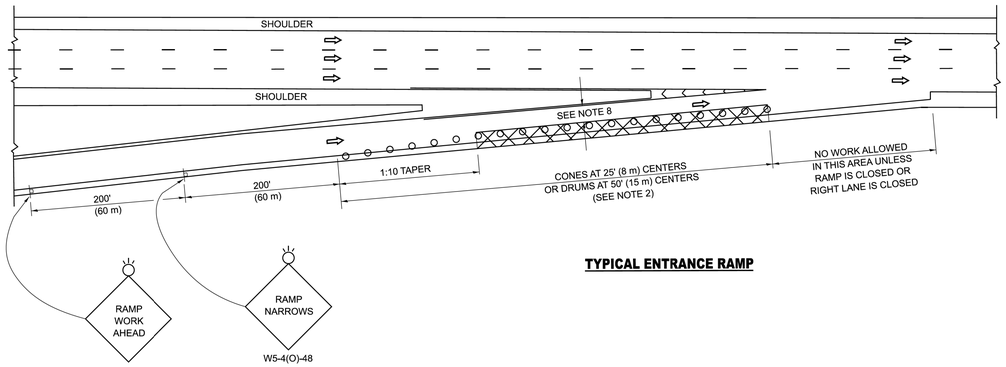
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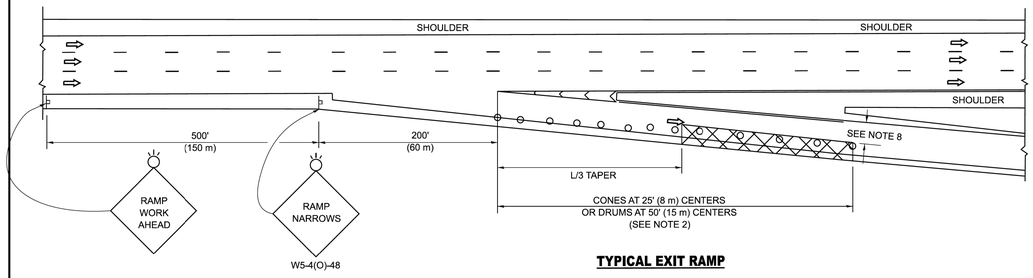
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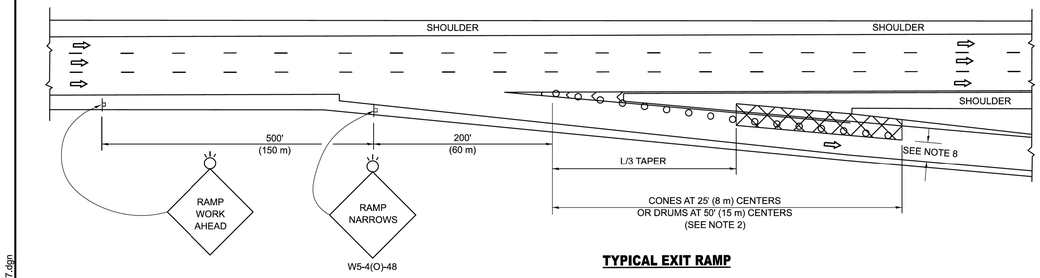
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

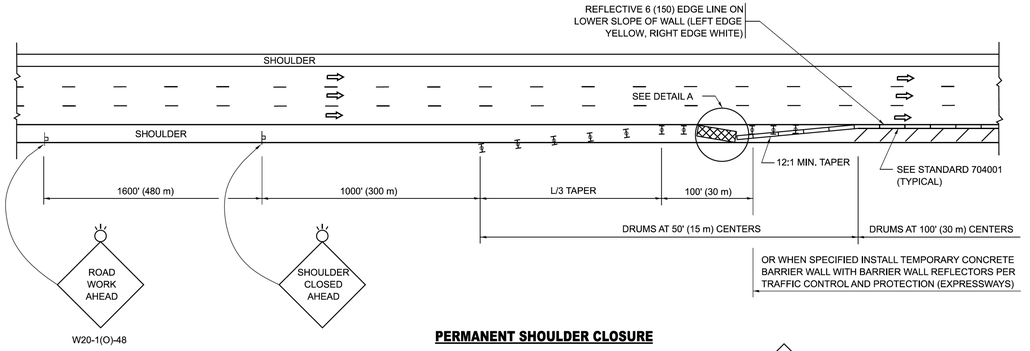


TYPICAL EXIT RAMP

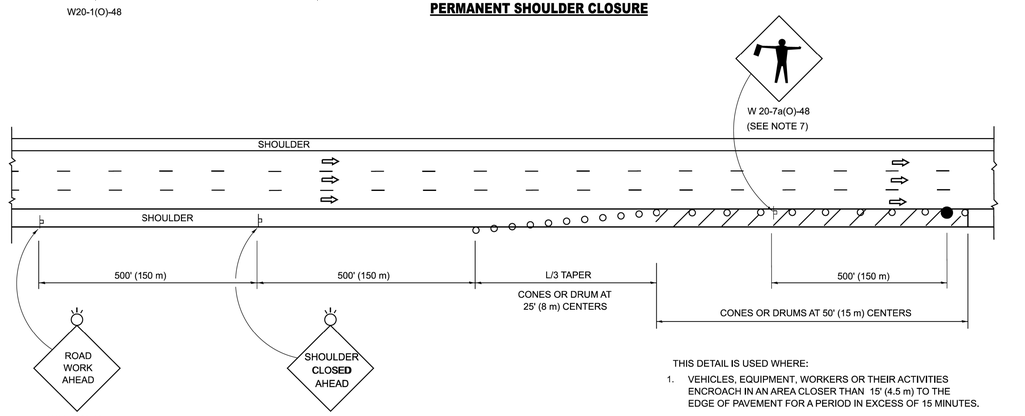


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



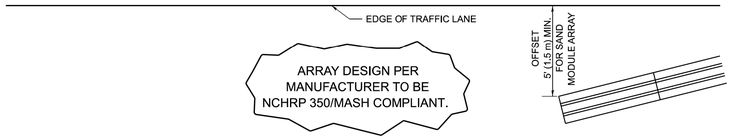
PERMANENT SHOULDER CLOSURE



THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

TEMPORARY SHOULDER CLOSURE



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

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) OR GREATER:	METRIC L=0.65(W)(S)	ENGLISH 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 NIGHTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES, 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.
5. THE IMPACT ATTENTUATOR, 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.
9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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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.
				0009
TC-17		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: D1 Detail [Sheet 10]
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SUITE 3450
CHICAGO, IL 60603
www.rina-us.org
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		CHECKED -	KE	REVISED -		
	PLOT DATE = 6/10/2026	DATE -	6/10/2026	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	36
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			

ROUTE MARKERS

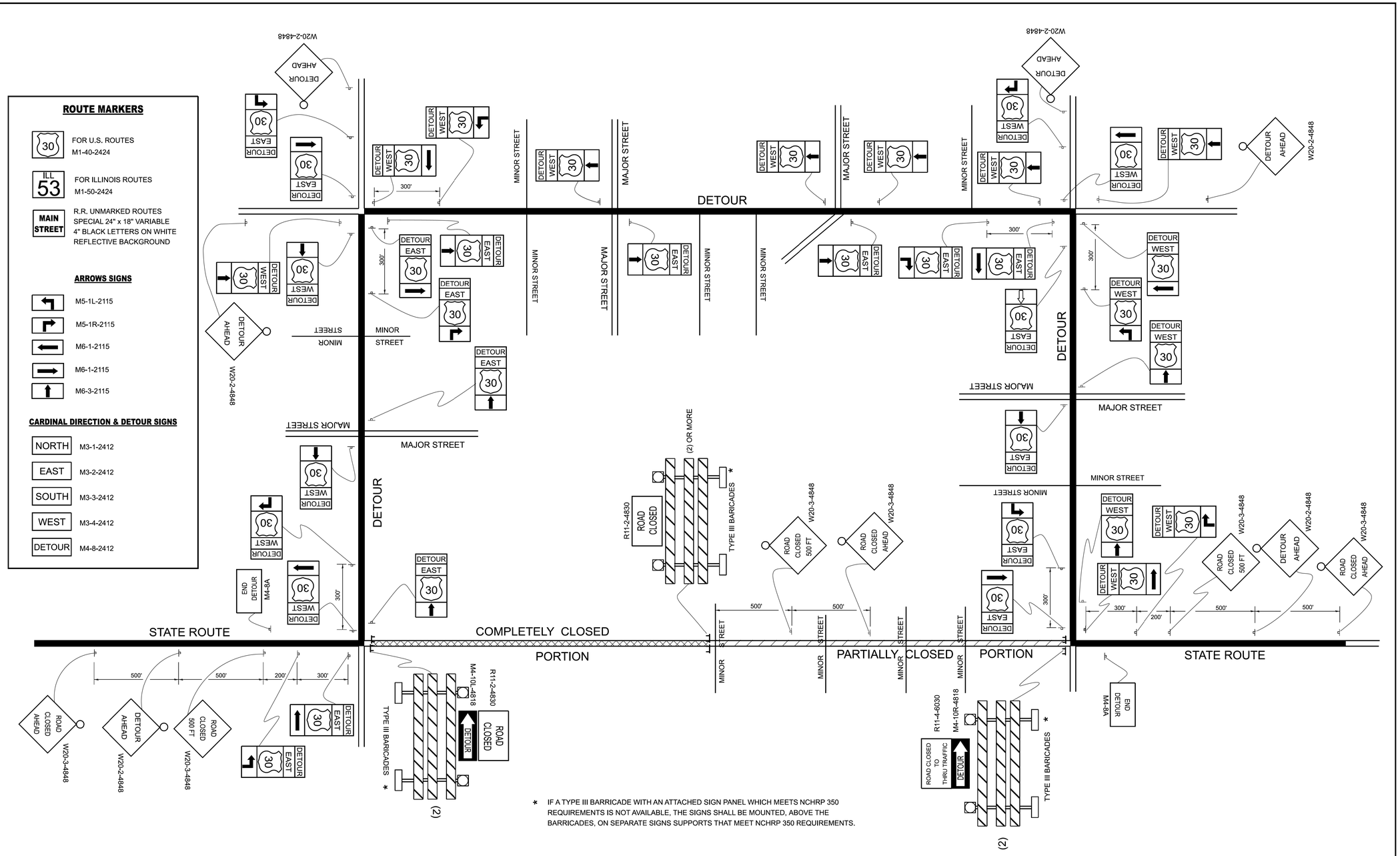
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- 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.

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PLOT DATE = 8/30/2023	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	000

TC-21 CONTRACT NO. ___

ILLINOIS | FED. AID PROJECT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

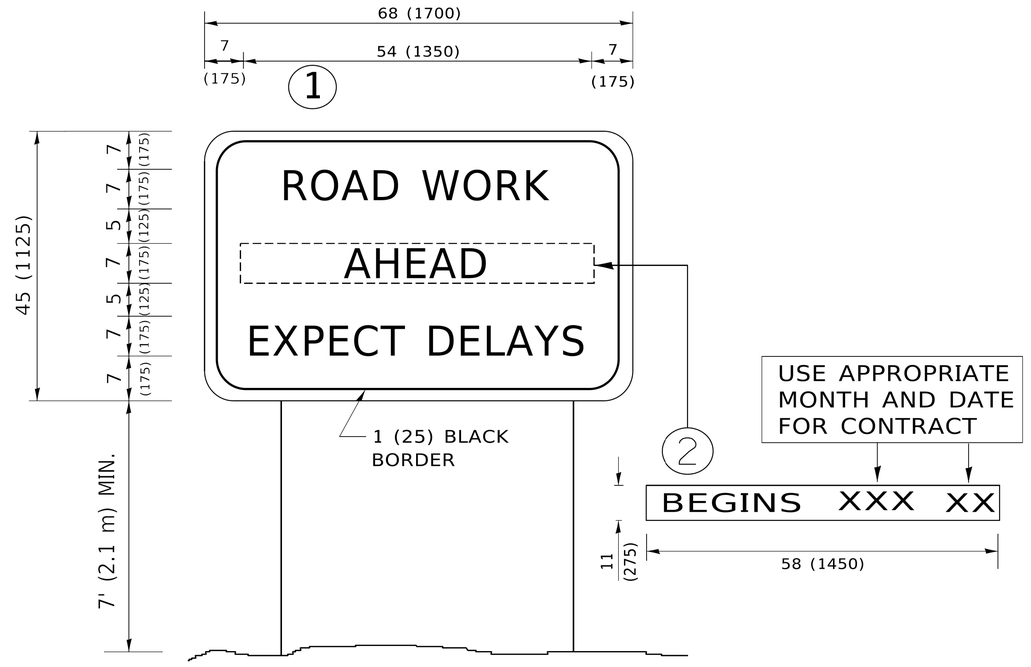
DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	37

CONTRACT NO. 80C12

ILLINOIS | FED. AID PROJECT



NOTES:

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

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

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PLOT DATE = 3/4/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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USER NAME = DT004	DESIGNED - DT	REVISED -	
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PLOT DATE = 6/10/2026	DATE - 6/10/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
I-94 AT TOUHY AVENUE (OVERHEAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	(0304.1-H-B) BR 25	COOK	38	38
		CONTRACT NO. 80C12		
	ILLINOIS FED. AID PROJECT			