

1-20-2012 LETTING ITEM 110

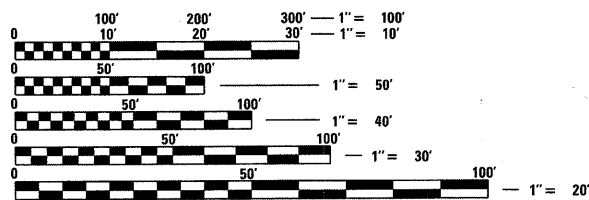
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL
ADT 36,300 (2009)
SPEED LIMIT 55

SCOPE OF WORK:
WITHIN THE PROJECT LIMITS EIGHTEEN (18) BRIDGE
STRUCTURES WILL HAVE REPAIRS TO THE BRIDGE DECKS.

IMPROVEMENT LOCATED
IN THE VILLAGE OF SUMMIT, COOK COUNTY

LOCATION OF WORK:
IL ROUTE 171 AT I-55 INTERCHANGE
 SN 016-1001, SN 016-1000, SN 016-0485, SN 016-0484,
 SN 016-2408, SN 016-0046, SN 016-1006, SN 016-1005,
 SN 016-0486, SN 016-0487, SN 016-2454, SN 016-2455,
 SN 016-2456, SN 016-2457, SN 016-0985, SN 016-0489,
 SN 016-0488, SN 016-1026



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: MR. ISSAM RAYYAN, P.E. (847) 705-4178
PROJECT ENGINEER: MR. ROBERT T. BORO, P.E. (847) 705-4237

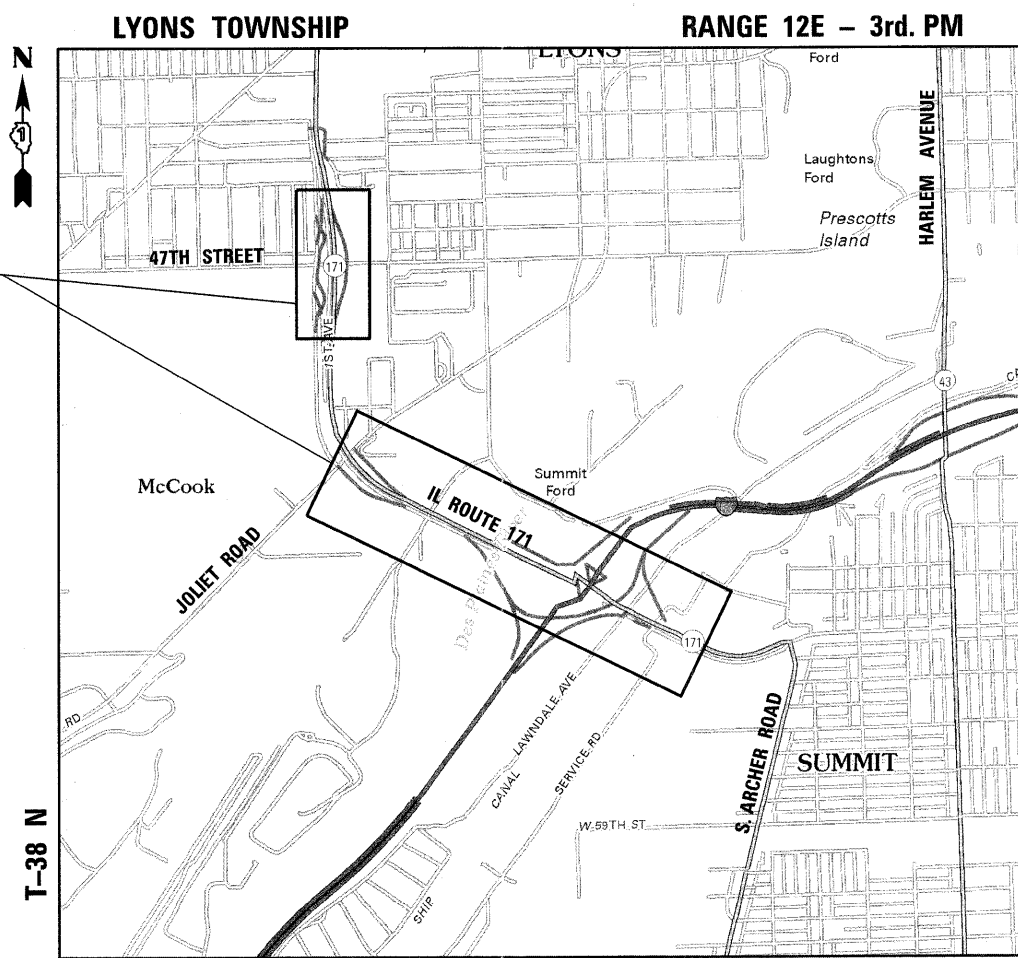
CONTRACT NO. 60R03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP 373 (ILLINOIS ROUTE 171)
SECTION 2011-077-BR
AT I-55 (STEVENSON EXPWY.)
BRIDGE DECK REPAIRS
COOK COUNTY

C-91-014-12



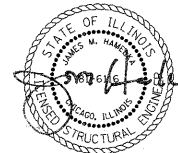
GROSS LENGTH = 5,630 FT. = 1.066 MILE
 NET LENGTH = 5,630 FT. = 1.066 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2011-077-BR	COOK	32	1
ILLINOIS			CONTRACT NO. 60R03	
*32+5=37				

D-91-014-12



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



COLLINS ENGINEERS, INC.
 JAMES M. HAMELKA
 NO. 81-6116
 EXPIRES 11-30-2012



COLLINS ENGINEERS, INC.
 MATTHEW G. REMPPFER
 NO. 062-054553
 EXPIRES 11-30-2011

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED NOVEMBER 15, 2011

Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9 2011
Scott E. Stitt, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

December 9 2011
William B. Flenker
 INTERIM DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COLLINS ENGINEERS
 123 N. WACKER DR., SUITE 300
 CHICAGO, IL 60606
 (312) 704-9300
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-000993

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES AND HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 IL ROUTE 171 OVERALL SITE PLAN
- 5-8 IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE I
- 9-12 IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE II *IA, IB, AND IC.*
- 13, 13A, 13B IL ROUTE 171 MAINTENANCE OF TRAFFIC SUBSTAGE *TEMPORARY DETOUR PLAN*
- 14 IL ROUTE 171 EROSION RESTORATION PLAN
- 15 S-1 DECK SLAB REPAIRS SN 016-1000 & SN 016-1001
- 16 S-2 DECK SLAB REPAIRS SN 016-1005 & SN 016-1006
- 17 S-3 DECK SLAB REPAIRS SN 016-2454 & SN 016-2455
- 18 S-4 DECK SLAB REPAIRS SN 016-2456 & SN 016-2457
- 19 S-5 DECK SLAB REPAIRS SN 016-0483 & SN 016-0485
- 20 S-6 DECK SLAB REPAIRS SN 016-0484 & SN 016-0485
- 21 S-7 DECK SLAB REPAIRS - I SN 016-0486 & SN 016-0487
- 22 S-8 DECK SLAB REPAIRS - II SN 016-0486 & SN 016-0487
- 23 S-9 DECK SLAB REPAIRS SN 016-0488 & SN 016-0489
- 24 S-10 DECK SLAB REPAIRS SN 016-1026
- 25 S-11 DECK SLAB REPAIRS SN 016-0046
- 26 S-12 DECK SLAB REPAIRS SN 016-2408
- 27 S-13 TYPICAL CROSS-SECTION-STAGE CONSTRUCTION
- 28 ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
- * 28A-28B MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
- 29 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
- 30 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
- 31 TYPICAL MARKING FOR CLOSING STATE HIGHWAYS (TC-21)
- 32 ARTERIAL ROAD INFORMATION SIGN (TC-22)

* 28C. TRAFFIC CONTROL DETAILS (TC-09)

INDEX OF HIGHWAY STANDARDS

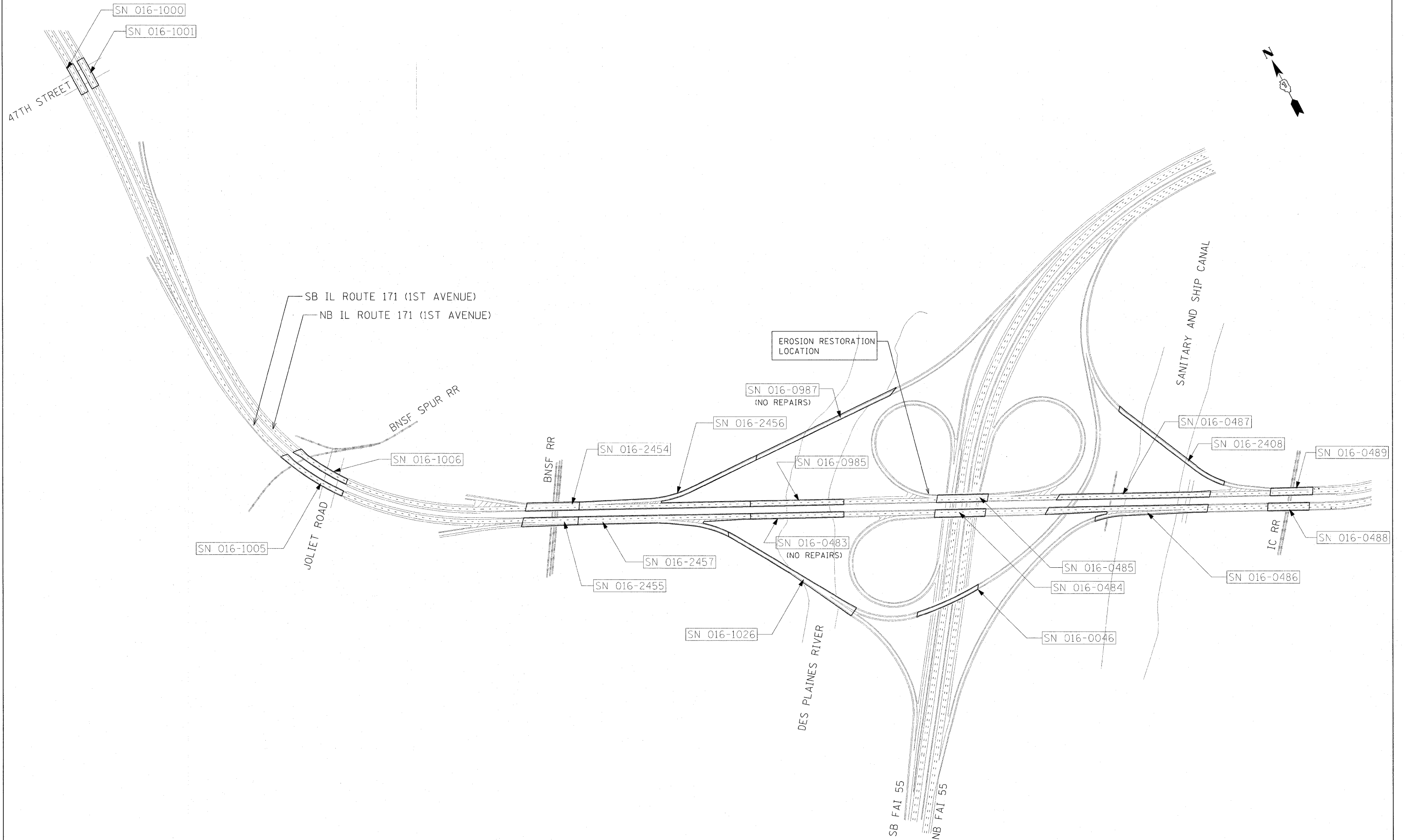
STANDARD NO.	DESCRIPTION
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
630001-10	STEEL PLATE BEAM GUARDRAIL
701400-05	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-06	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH
701421-04	LANE CLOSURE, MULTILANE, DAY OPERATIONS, FOR SPEEDS > 45 MPH TO 55 MPH
701422-04	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701606-08	URBAN LANE CLOSURE MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
780001-03	TYPICAL PAVEMENT MARKINGS
635011-02	
701446-03	

GENERAL NOTES

1. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM IDOT BRIDGE INSPECTORS.
2. 10 FT (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 AT LEAST 72 HOURS PRIOR TO THE START OF WORK.
4. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, PATRICE HARRIS, AT (708) 597-9800 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
5. ALL PAVEMENT MARKINGS AND RAISED REFLECTORS AFFECTED BY THE BRIDGE REPAIRS SHALL BE REPLACED. NOMINAL QUANTITIES HAVE BEEN INCLUDED IN THE CONTRACT FOR THIS WORK.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
7. DO NOT SCALE THESE PLANS FOR CONSTRUCTION PURPOSES. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.
8. DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL DEPOSITS THAT OBSTRUCT THE FLOW OF WATER IN DRAINING THE AREA SHALL BE REMOVED BEFORE THE END OF EACH WORK DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE ITEM FOR DECK SLAB REPAIR.
9. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES, SYMBOLS AND LETTERS (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE AS DIRECTED BY THE ENGINEER.
10. THE PLANS DO NOT REPRESENT A COMPLETE DEPICTION OF ALL UTILITIES THAT MAY BE IMPACTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL CONDUCT HIS OR HER OWN INVESTIGATION TO DETERMINE THE OWNERSHIP OF IMPACTED UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNERS AND MAY BE REQUIRED TO PROVIDE TEMPORARY SUPPORT, ADJUST, RELOCATE OR REMOVE UTILITIES THAT ARE IMPACTED BY THE PROPOSED IMPROVEMENT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
11. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTED ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
12. THERE IS NO REPAIR WORK NEEDED FOR SN 016-0987 AND SN 016-0483

FILE NAME =	USER NAME = rgo11	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - DR	REVISED -			373	2011-077-BR	COOK	32	2	
	PLOT SCALE = 1/8" = 1'-0" IN.	CHECKED - JMH	REVISED -			CONTRACT NO. 60R03					
	PLOT DATE = 11/14/2011	DATE - AUGUST, 2011	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: SHEET NO. OF SHEETS STA. TO STA.							

Rev.



FILE NAME =	USER NAME = mrcmpfor	DESIGNED - EM	REVISED -
		DRAWN - DR	REVISED -
		CHECKED - JMH	REVISED -
		DATE - AUGUST, 2011	REVISED -

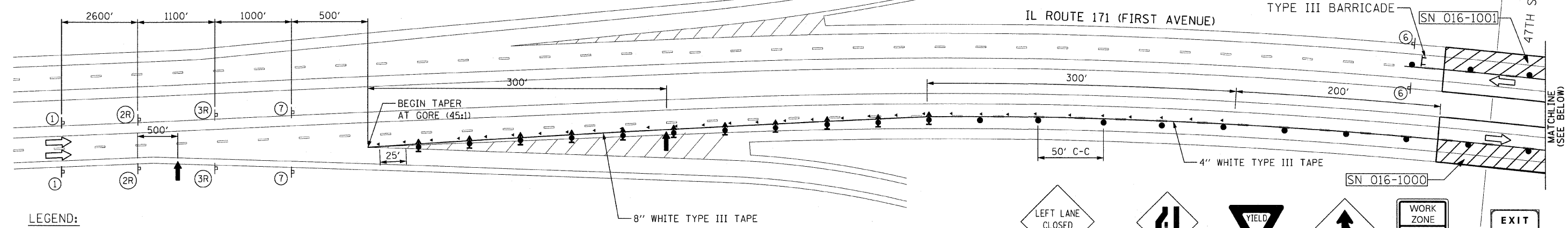
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 171
OVERALL SITE PLAN**

F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 4
				CONTRACT NO. 60R03
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

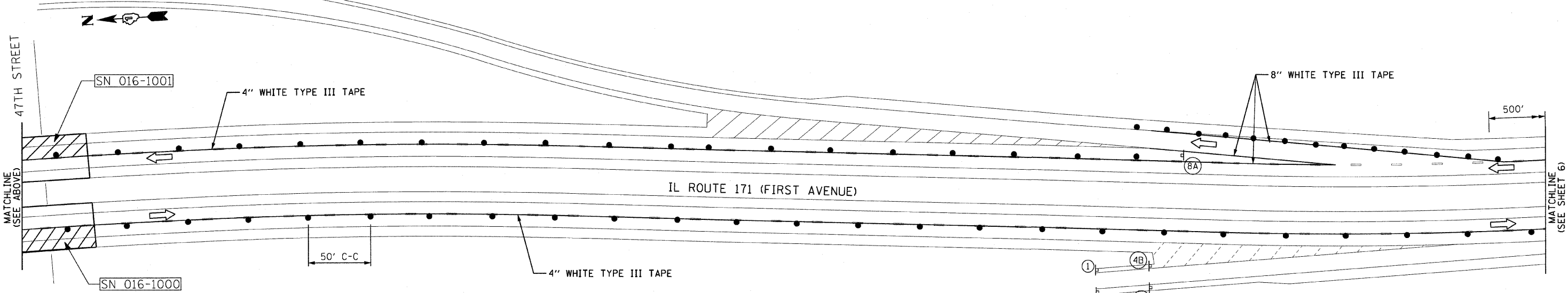
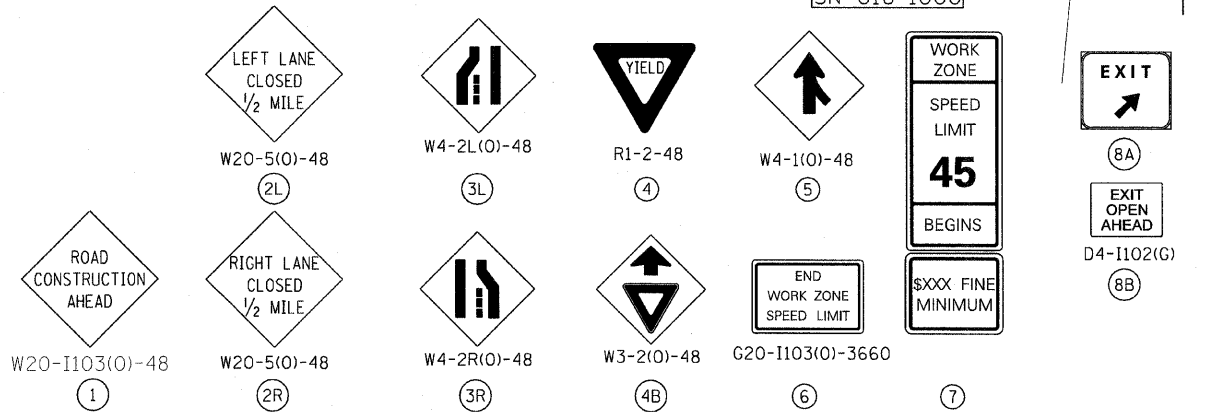
RFLEELB



LEGEND:

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS (25' C-C)

TRAFFIC CONTROL GENERAL NOTES
 A MINIMUM 10' LANE WIDTH (12' MINIMUM ON RAMPS) IF REQUIRED FOR PATCHING SHALL BE PROVIDED FOR TRAFFIC DURING CONSTRUCTION. SEE SHEET S13 FOR TYPICAL CROSS SECTIONS.
 ALL TEMPORARY PAVEMENT MARKINGS SHALL BE WET REFLECTIVE TEMPORARY TAPE TYPE III.



MAINTENANCE OF TRAFFIC (STAGE I)

UTILIZE STD. 701400/701401 AND DETAIL TC-09 TO INSTALL PROTECTIVE SHIELDING.
 CLOSE OUTSIDE LANE OF IL 171 (FIRST AVENUE) AND PLACE TEMPORARY PAVEMENT MARKINGS. MAINTAIN TRAFFIC AT ALL RAMP EXITS AND ENTRANCES UTILIZING STD. 701411 AND AS SHOWN IN THE PLANS.

CONSTRUCTION STAGING (STAGE I)

INSTALL PROTECTIVE SHIELDING
 PERFORM BRIDGE DECK PATCHING ON THE OUTSIDE LANES AND SHOULDERS OF IL ROUTE 171 AS SHOWN IN THE PLAN.
 DURING WEEKEND HOURS (SEE SPECIAL PROVISIONS), THE CONTRACTOR WILL BE ALLOWED TO CLOSE RAMPS ACCORDING TO THE FOLLOWING SUBSTAGE SCHEDULE AND SPECIAL PROVISIONS.
 INSTALL RIPRAP AND GUARDRAIL IMPROVEMENTS AT SN 016-0485.
 AT THE END OF THIS STAGE, REPLACE ANY MISSING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS (RPM) AS DIRECTED BY THE ENGINEER.

SUBSTAGE IA

INSTALL SIGNAGE AS SHOWN ON THE PLAN AND CLOSE THE FOLLOWING RAMPS:
 1. NORTHBOUND I-55 TO NORTHBOUND IL ROUTE 171
 2. NORTHBOUND IL ROUTE 171 TO SOUTHBOUND I-55
 3. JOLIET ROAD ENTRANCE RAMP TO SOUTHBOUND IL ROUTE 171
 PERFORM REPAIRS ON THE RAMPS AND THE GORE AREAS AS DENOTED ON THE PLANS.
 ALL SIGNAGE REQUIRED FOR THE DETOUR SHALL BE COVERED (OR REMOVED) AND THE RAMP OPEN TO TRAFFIC PRIOR TO MONDAY A.M., AS DENOTED IN THE SPECIAL PROVISIONS.

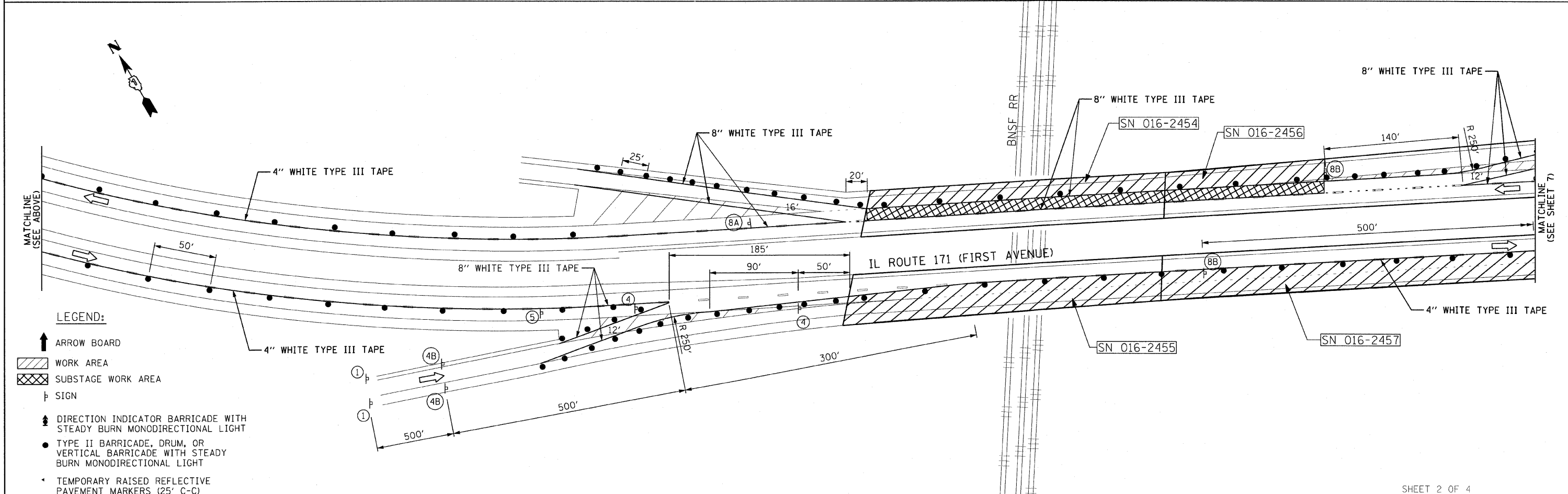
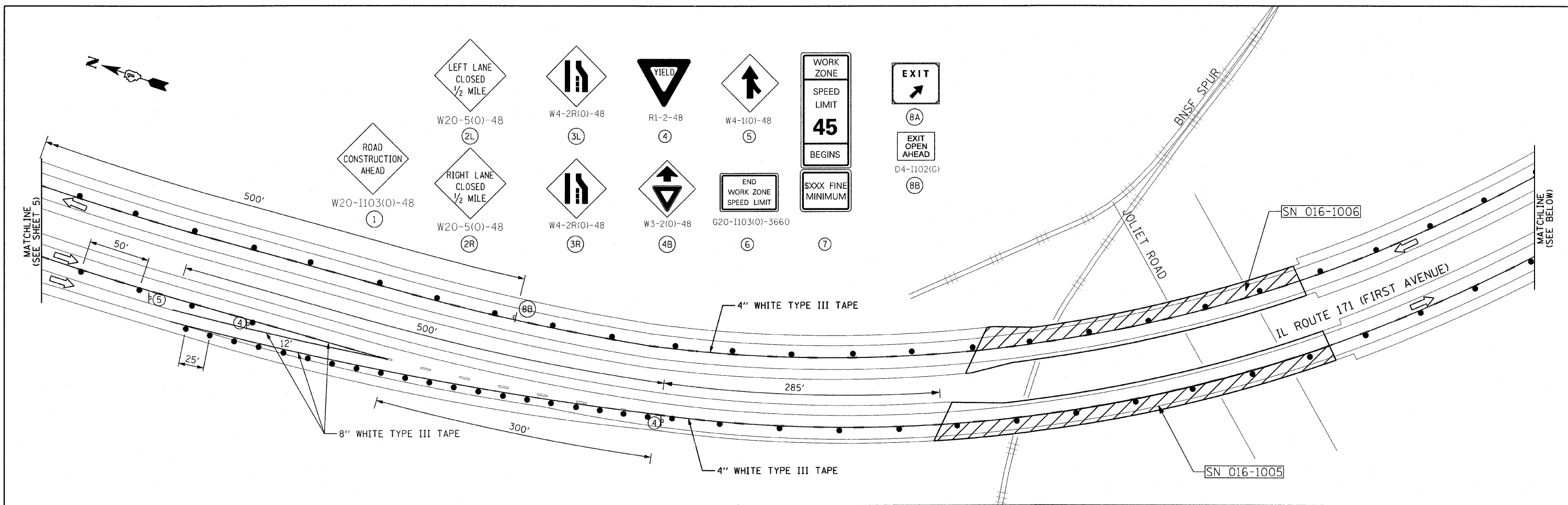
SUBSTAGE IB

INSTALL SIGNAGE AS SHOWN ON THE PLAN AND CLOSE THE FOLLOWING RAMPS:
 1. SOUTHBOUND IL ROUTE 171 TO NORTHBOUND/SOUTHBOUND I-55
 2. SOUTHBOUND I-55 TO NORTHBOUND IL ROUTE 171
 3. JOLIET ROAD EXIT RAMP FROM NORTHBOUND IL ROUTE 171
 PERFORM REPAIRS ON THE RAMPS AND THE GORE AREAS AS DENOTED ON THE PLANS.
 ALL SIGNAGE REQUIRED FOR THE DETOUR SHALL BE COVERED (OR REMOVED) AND THE RAMP OPEN TO TRAFFIC PRIOR TO MONDAY A.M., AS DENOTED IN THE SPECIAL PROVISIONS.

SUBSTAGE IC

INSTALL SIGNAGE AS SHOWN ON THE PLAN AND CLOSE THE FOLLOWING RAMPS:
 1. NORTHBOUND IL ROUTE 171 TO NORTHBOUND I-55
 PERFORM REPAIRS ON THE RAMPS AND THE GORE AREAS AS DENOTED ON THE PLANS.
 ALL SIGNAGE REQUIRED FOR THE DETOUR SHALL BE COVERED (OR REMOVED) AND THE RAMP OPEN TO TRAFFIC PRIOR TO MONDAY A.M., AS DENOTED IN THE SPECIAL PROVISIONS.

FILE NAME =	USER NAME = rga11	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE I			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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		DATE -	REVISED -										ILLINOIS FED. AID PROJECT		

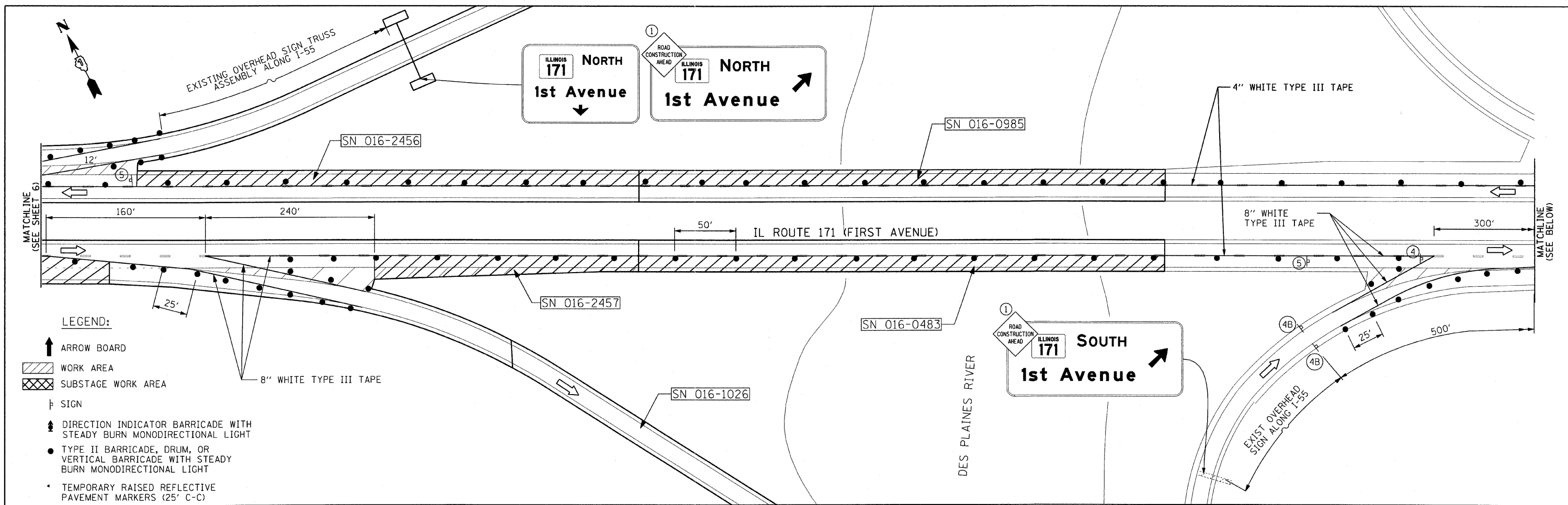


- LEGEND:**
- ↑ ARROW BOARD
 - ▨ WORK AREA
 - ▩ SUBSTAGE WORK AREA
 - ⊥ SIGN
 - ⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ◀ TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS (25' C-C)

FILE NAME =	USER NAME = rgal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE I	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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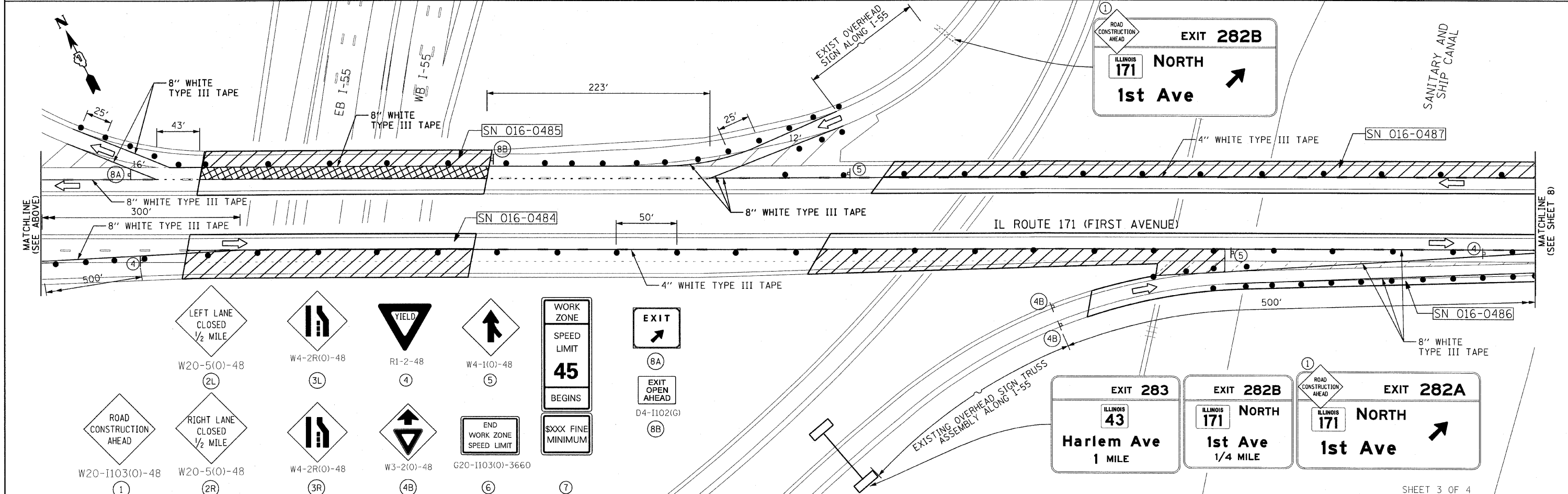
SHEET 2 OF 4

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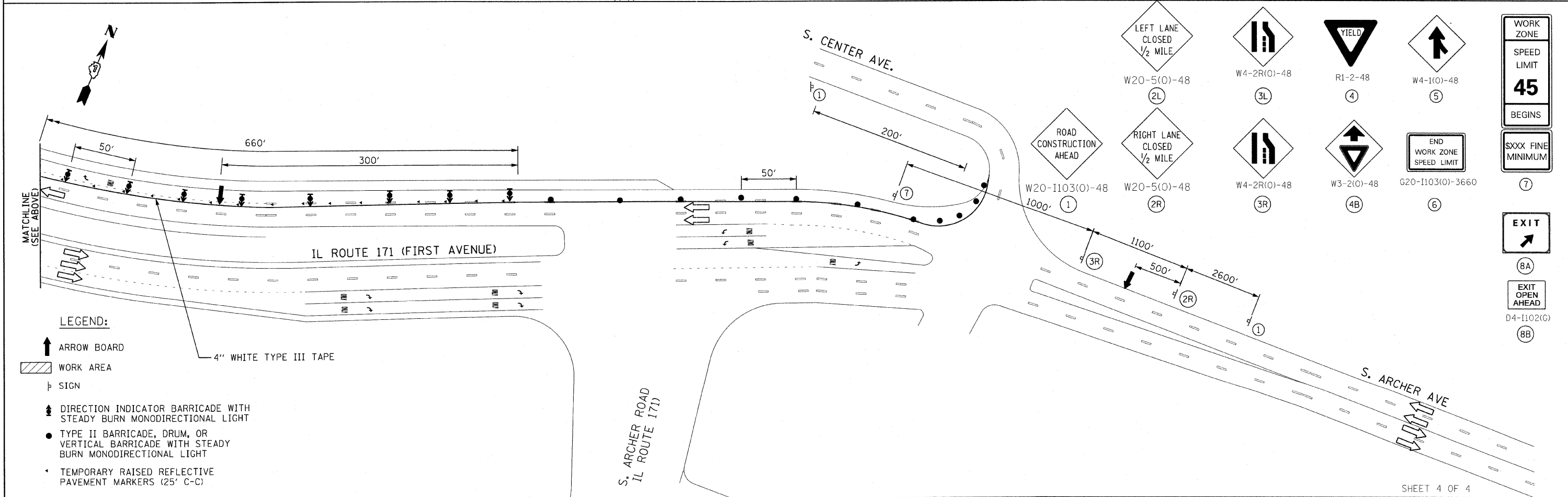
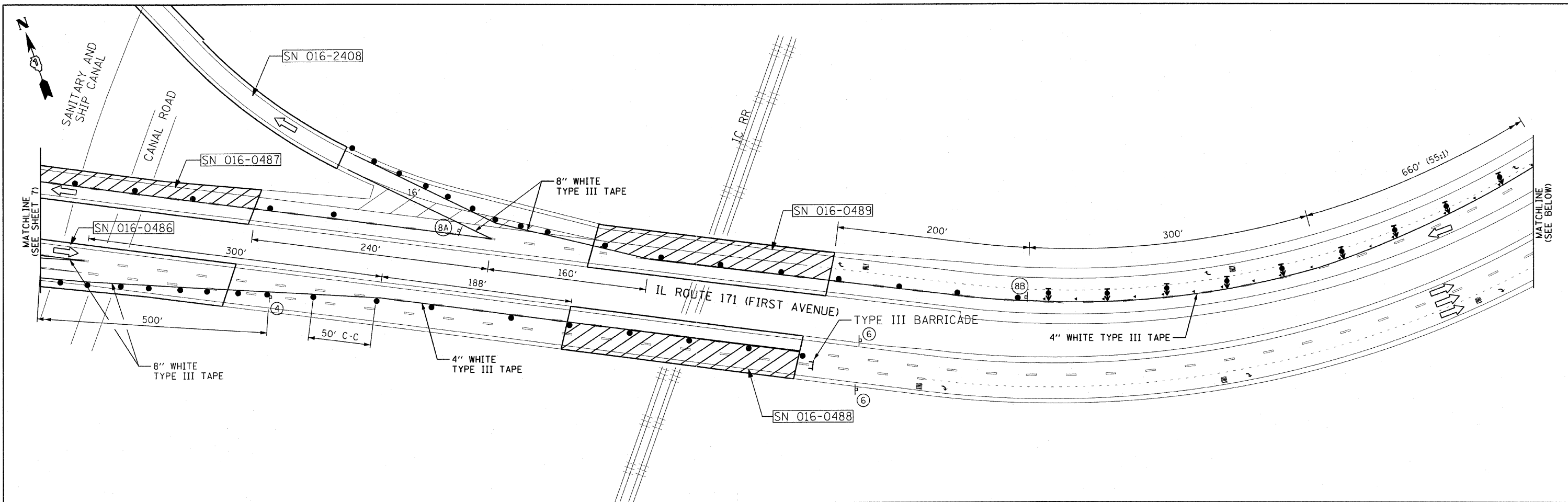


LEGEND:

- ↑ ARROW BOARD
- ▨ WORK AREA
- ▩ SUBSTAGE WORK AREA
- † SIGN
- ⬆ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS (25' C-C)



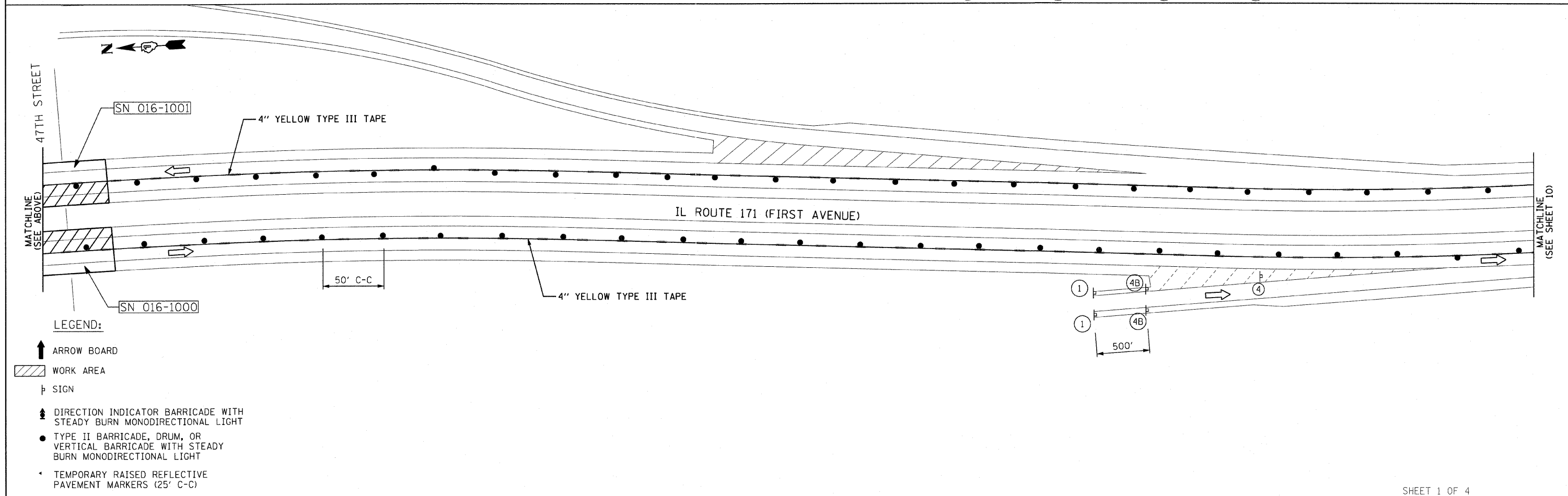
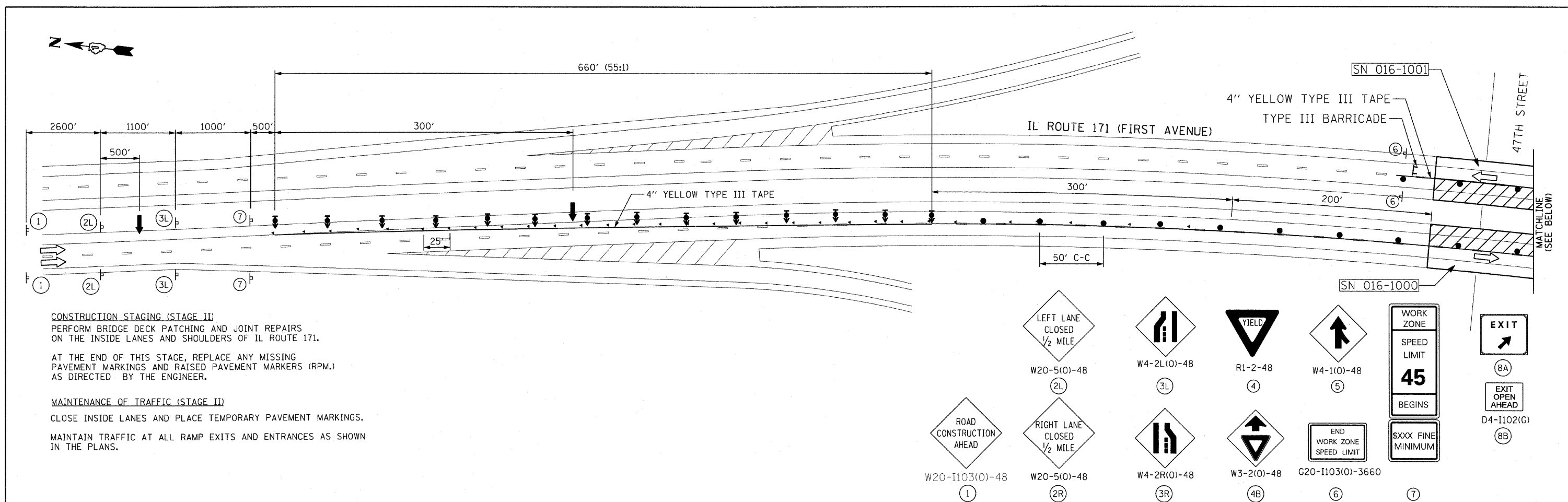
 W20-1103(0)-48 ①	 W20-5(0)-48 ②L	 W20-5(0)-48 ②R	 W4-2R(0)-48 ③L	 R1-2-48 ④	 W4-1(0)-48 ⑤	 G20-1103(0)-3660 ⑥	 45 ⑦	 EXIT ⑧A	 EXIT AHEAD ⑧B
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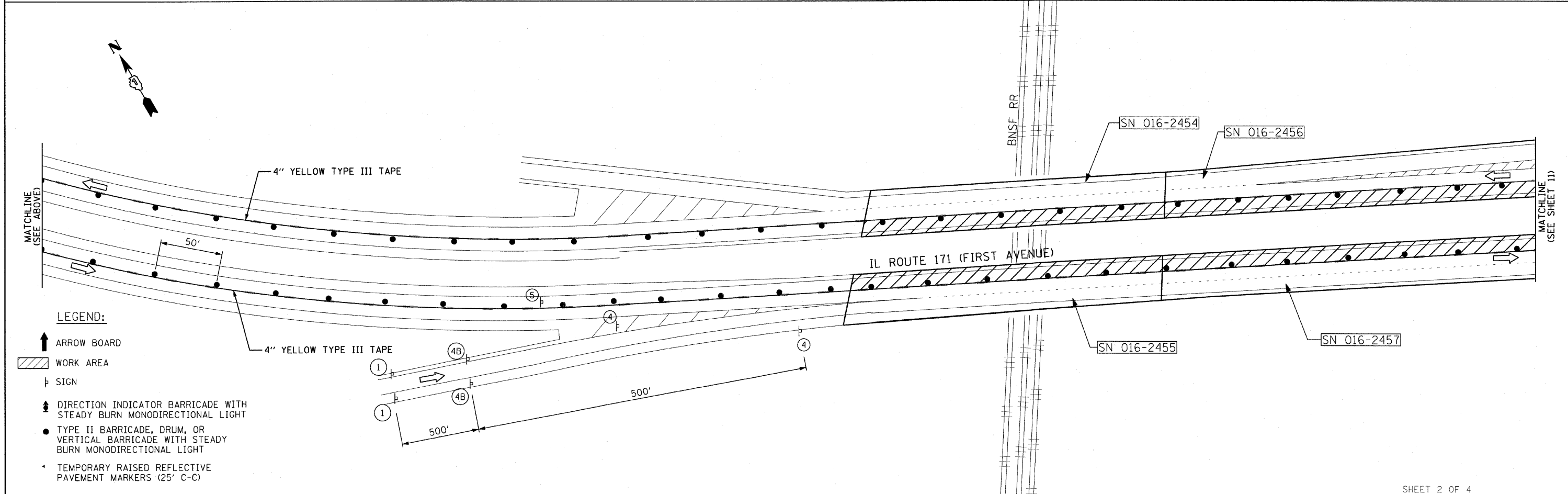
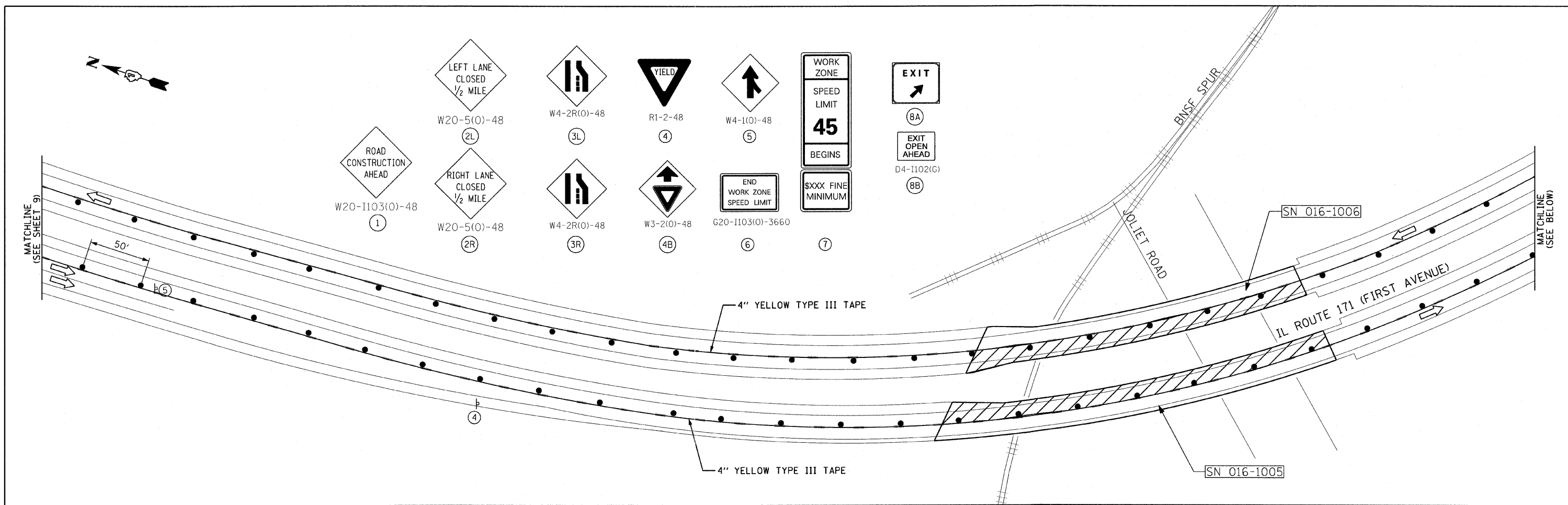
LEGEND:

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊢ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS (25' C-C)
- 4" WHITE TYPE III TAPE

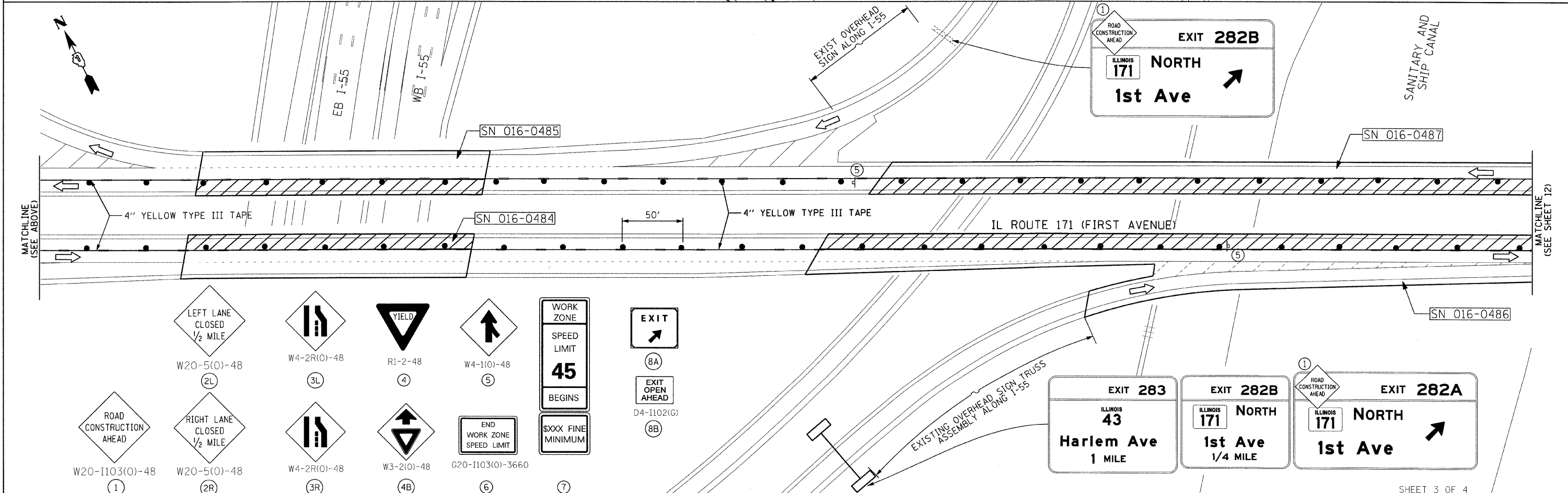
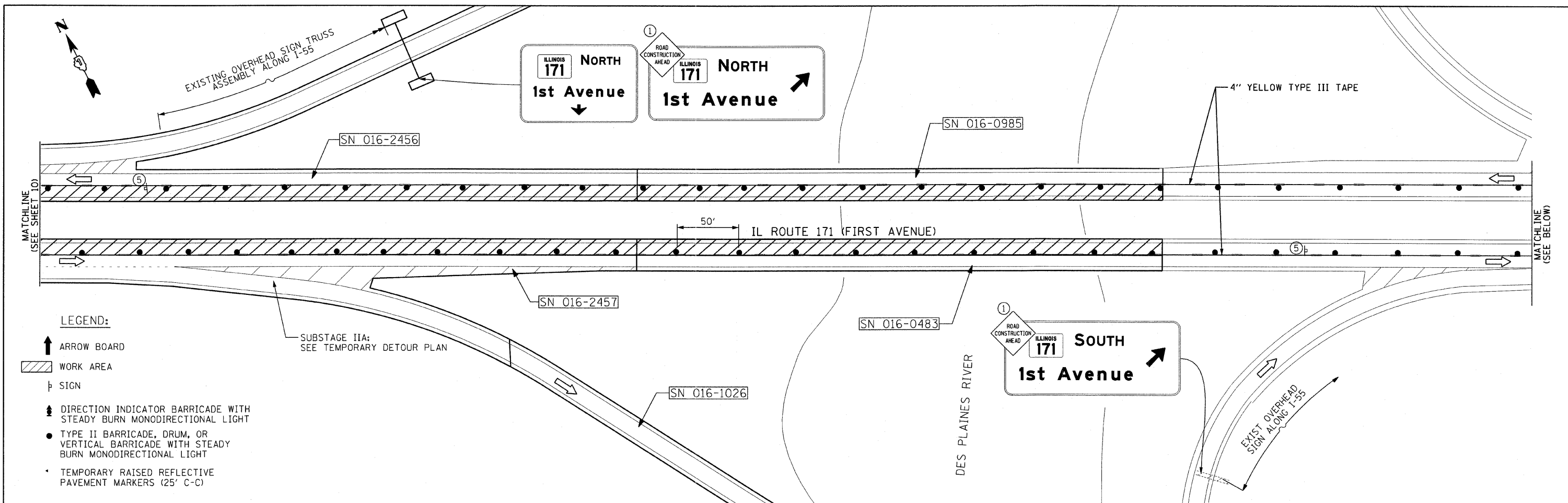
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	PLOT SCALE = 50.2000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60R03		
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		DATE -	REVISED -										

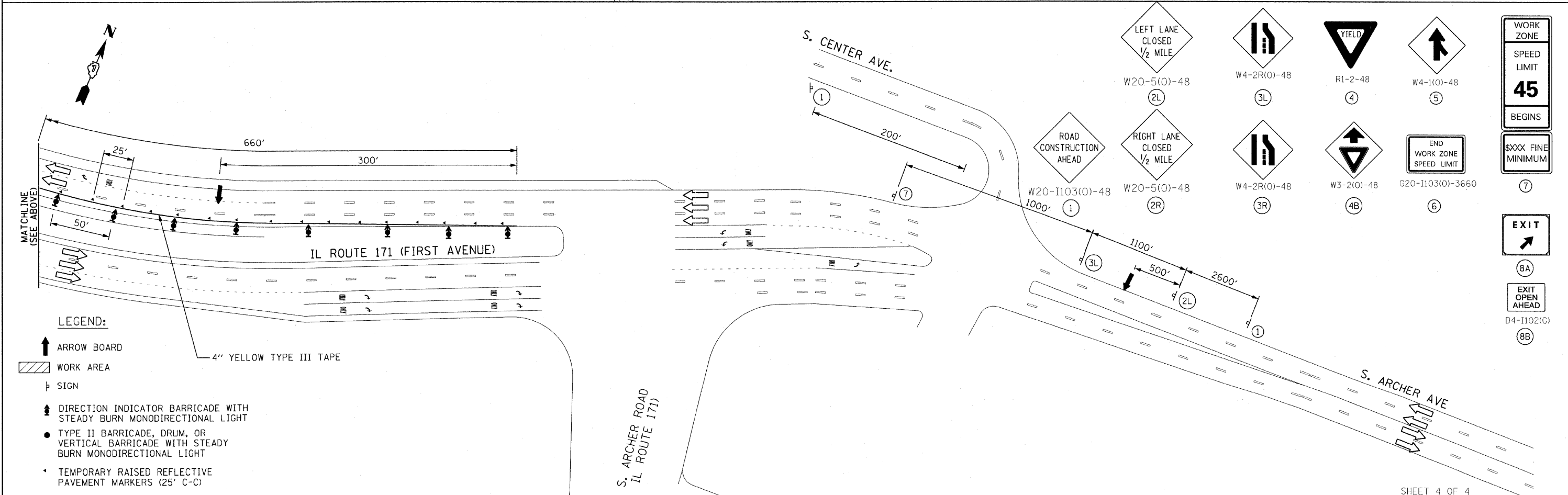
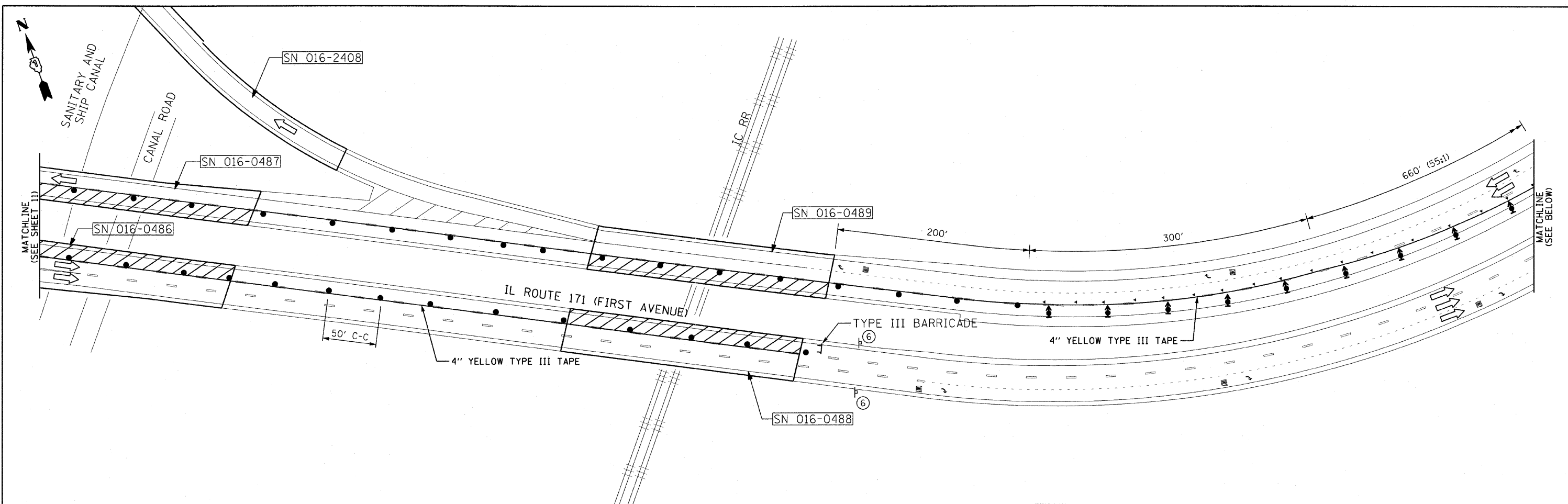


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		DATE -	REVISED -										



FILE NAME =	USER NAME = rgal1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE II	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 12/16/2011	CHECKED -	REVISED -			CONTRACT NO. 60R03					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					





- LEGEND:**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS (25' C-C)

FILE NAME = #FILEL\$	USER NAME = rgal1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC STAGE II				F.A. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 12
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60R03			
	PLOT DATE = 12/16/2011	CHECKED -	REVISED -		[ILLINOIS] FED. AID PROJECT								
		DATE -	REVISED -										

NOTES:

THE CONTRACTOR SHALL FURNISH ALL SIGNS.

THE COST OF SUPPLYING, ERECTING AND MAINTAINING OVERHEAD, CANTILEVER, AND GROUND MOUNT SIGNAGE ALONG INTERSTATE 55 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

ALL DETOUR SIGNS, CARDINAL DIRECTION SIGNS, ADVANCE TURN ARROWS, AND WARNING SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.

ALL SIGNS AND ASSEMBLIES SHALL BE CERTIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF NCHRP REPORT 350, TEST LEVEL 3.

INTERSTATE ROUTE SHIELD
 CONVENTIONAL ROAD SIGN SIZE (24x24)
 EXPRESSWAY SIGN SIZE (36x36)



5 MI-4

INTERSTATE ROUTE SHIELD
 CONVENTIONAL ROAD SIGN SIZE (30x24)
 EXPRESSWAY SIGN SIZE (45x36)



6 MI-5

DETOUR SIGN
 CONVENTIONAL ROAD SIGN SIZE (24x12)
 EXPRESSWAY SIGN SIZE (30x15)



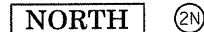
11 M4-8a

END DETOUR SIGN
 CONVENTIONAL ROAD SIGN SIZE (24x18)
 EXPRESSWAY SIGN SIZE (24x18)



11 M4-8a

CARDINAL DIRECTION SIGNS
 CONVENTIONAL ROAD SIGN SIZE (21x15)
 EXPRESSWAY SIGN SIZE (30x21)



ADVANCE TURN ARROW SIGNS
 CONVENTIONAL ROAD SIGN SIZE (21x15)
 EXPRESSWAY SIGN SIZE (30x21)



WARNING SIGNS
 CONVENTIONAL ROAD SIGN SIZE (36x36)
 EXPRESSWAY SIGN SIZE (48x48)



7 W20-2

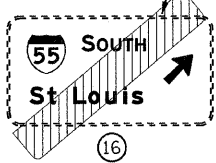


9 W20-3



8 W20-3

RAMP CLOSED

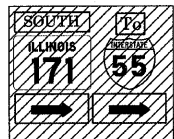


CLOSE RAMP.
 INSTALL SIGNING AND BARRICADES PER DISTRICT DETAIL TC-08 "FREEWAY ENTRANCE AND EXIT RAMP CLOSURE"

INSTALL "RAMP CLOSED PANEL" ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED

CLOSE RAMP.
 INSTALL SIGNING AND BARRICADES PER DISTRICT DETAIL TC-08 "FREEWAY ENTRANCE AND EXIT RAMP CLOSURE"



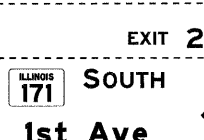
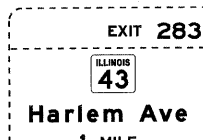
19 COVER EXISTING SIGN



17 COVER EXISTING SIGN

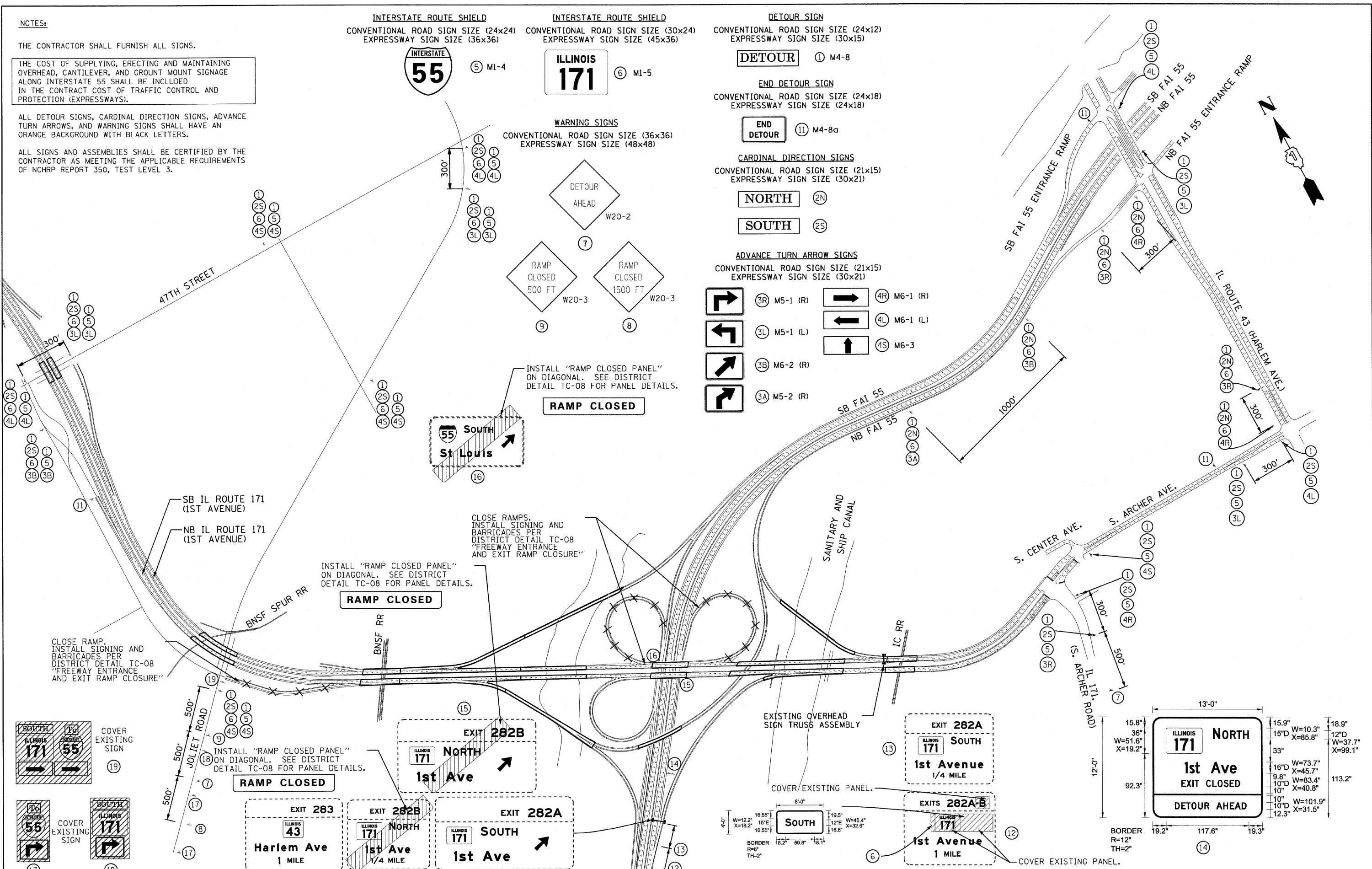
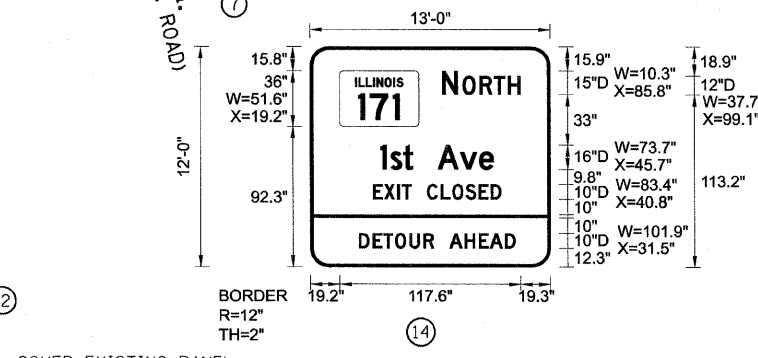
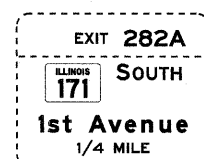
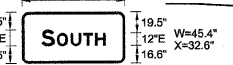
INSTALL "RAMP CLOSED PANEL" ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED



EXISTING OVERHEAD SIGN TRUSS ASSEMBLY

COVER EXISTING PANEL.



FILE NAME =	USER NAME = rgal1	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC - SUBSTAGE IA TEMPORARY DETOUR PLAN	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 13		
PLOT SCALE = 350.0000' / 1" IN.	CHECKED - JMH	REVISOR -	REVISOR -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 60R03				
PLOT DATE = 12/16/2011	DATE - AUGUST, 2011	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT						

INTERSTATE ROUTE SHIELD
CONVENTIONAL ROAD SIGN SIZE (24x24)
EXPRESSWAY SIGN SIZE (36x36)



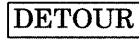
⑤ M1-4

INTERSTATE ROUTE SHIELD
CONVENTIONAL ROAD SIGN SIZE (30x24)
EXPRESSWAY SIGN SIZE (45x36)



⑥ M1-5

DETOUR SIGN
CONVENTIONAL ROAD SIGN SIZE (24x12)
EXPRESSWAY SIGN SIZE (30x15)



① M4-8

END DETOUR SIGN
CONVENTIONAL ROAD SIGN SIZE (24x18)
EXPRESSWAY SIGN SIZE (24x18)



⑪ M4-8a

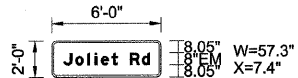
CARDINAL DIRECTION SIGNS
CONVENTIONAL ROAD SIGN SIZE (21x15)
EXPRESSWAY SIGN SIZE (30x21)



②N



②S



BORDER
R=3"
TH=1.25"

⑥B

⑥B

④S

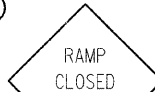
WARNING SIGNS
CONVENTIONAL ROAD SIGN SIZE (36x36)
EXPRESSWAY SIGN SIZE (48x48)



⑦ W20-2



⑨ W20-3



⑧ W20-3

ADVANCE TURN ARROW SIGNS
CONVENTIONAL ROAD SIGN SIZE (21x15)
EXPRESSWAY SIGN SIZE (30x21)



③R M5-1 (R)



③L M5-1 (L)



③A M5-2 (R)



④R M6-1 (R)



④L M6-1 (L)



④S M6-3



INSTALL "RAMP CLOSED PANEL" ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED

CLOSE EXIT RAMP. INSTALL SIGNING AND BARRICADES PER DISTRICT DETAIL TC-08 "FREEWAY ENTRANCE AND EXIT RAMP CLOSURE"

EXISTING CANTILEVER SIGN TRUSS ASSEMBLY

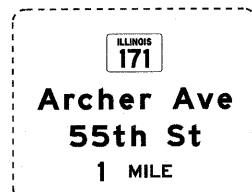


INSTALL "RAMP CLOSED PANEL" ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED

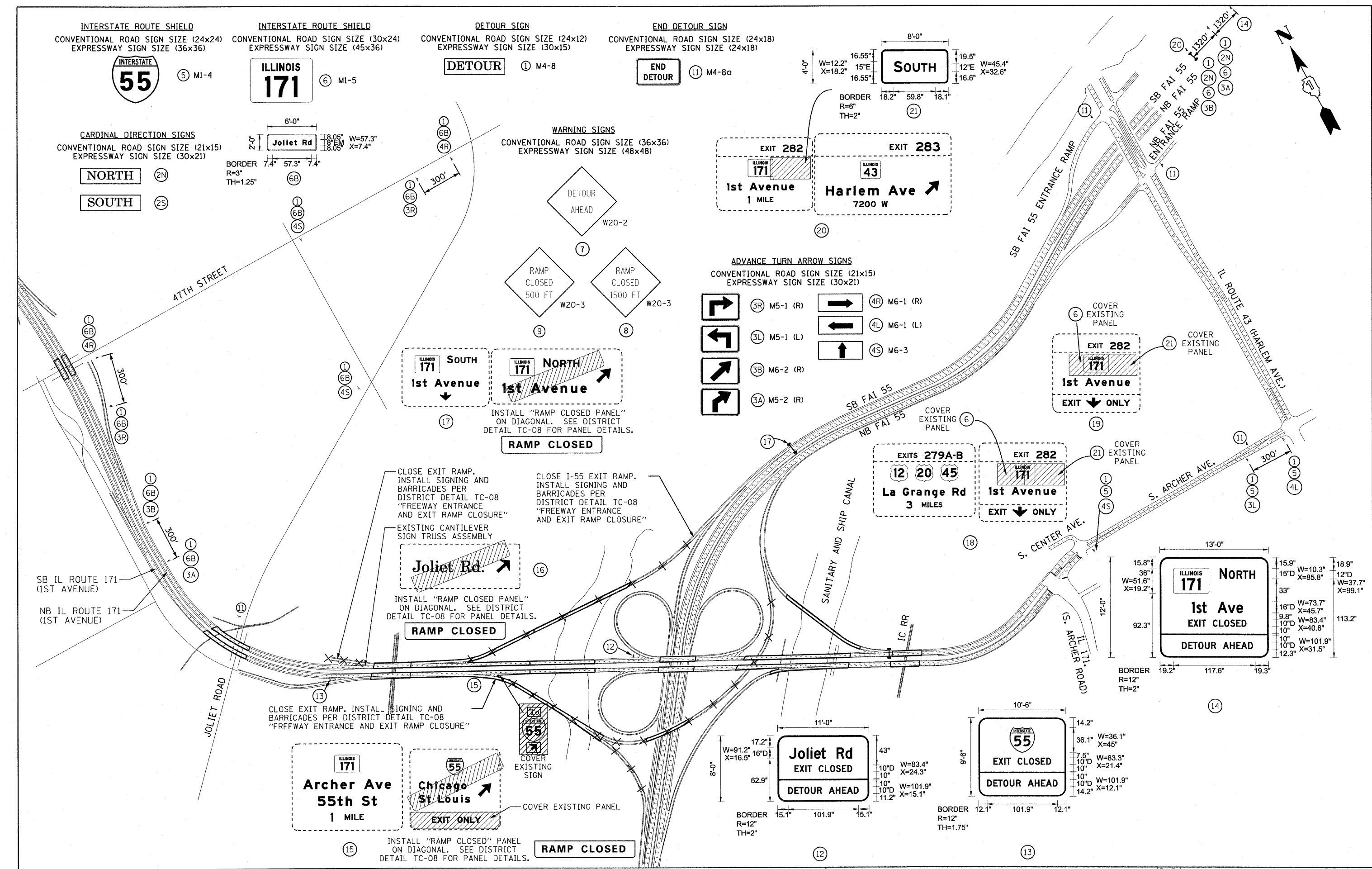
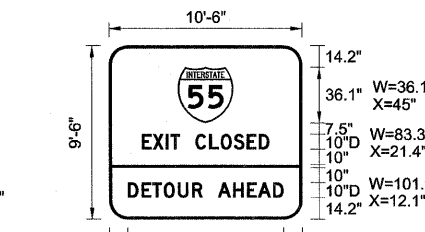
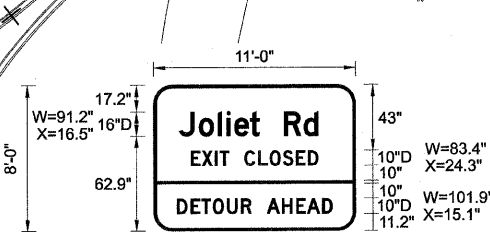
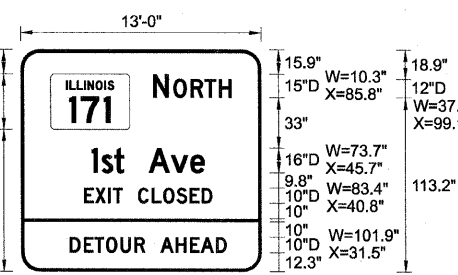
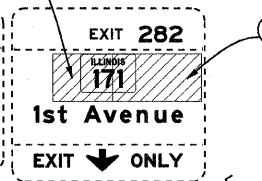
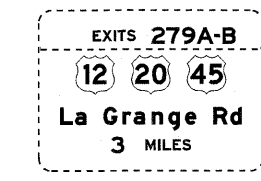
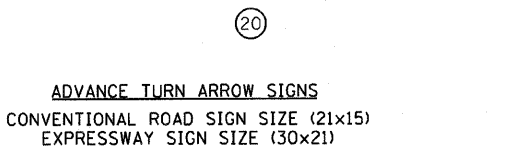
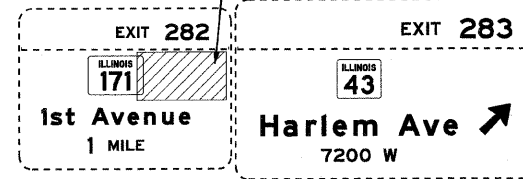
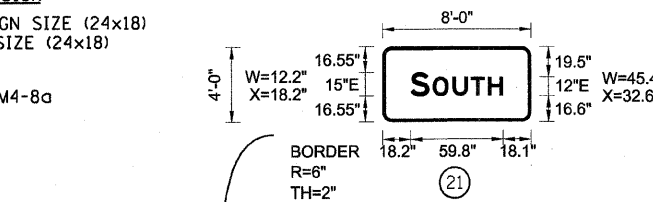
CLOSE I-55 EXIT RAMP. INSTALL SIGNING AND BARRICADES PER DISTRICT DETAIL TC-08 "FREEWAY ENTRANCE AND EXIT RAMP CLOSURE"

CLOSE EXIT RAMP. INSTALL SIGNING AND BARRICADES PER DISTRICT DETAIL TC-08 "FREEWAY ENTRANCE AND EXIT RAMP CLOSURE"



INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED



FILE NAME =	USER NAME = rgal	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC - SUBSTAGE IB TEMPORARY DETOUR PLAN	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 13A		
PLOT SCALE = 350.0000' / IN.	CHECKED - JMH	REVISED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/16/2011	DATE - AUGUST, 2011	REVISED -	REVISED -			CONTRACT NO. 60R03						

INTERSTATE ROUTE SHIELD
 CONVENTIONAL ROAD SIGN SIZE (24x24)
 EXPRESSWAY SIGN SIZE (36x36)



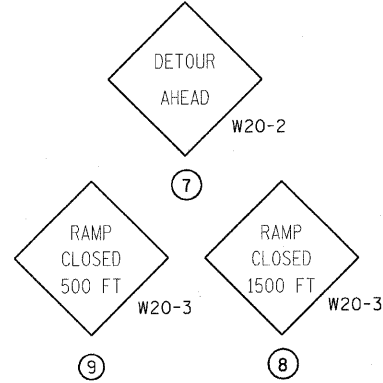
⑤ M1-4

INTERSTATE ROUTE SHIELD
 CONVENTIONAL ROAD SIGN SIZE (30x24)
 EXPRESSWAY SIGN SIZE (45x36)



⑥ M1-5

WARNING SIGNS
 CONVENTIONAL ROAD SIGN SIZE (36x36)
 EXPRESSWAY SIGN SIZE (48x48)



DETOUR SIGN
 CONVENTIONAL ROAD SIGN SIZE (24x12)
 EXPRESSWAY SIGN SIZE (30x15)



① M4-8

END DETOUR SIGN
 CONVENTIONAL ROAD SIGN SIZE (24x18)
 EXPRESSWAY SIGN SIZE (24x18)

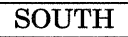


⑪ M4-8a

CARDINAL DIRECTION SIGNS
 CONVENTIONAL ROAD SIGN SIZE (21x15)
 EXPRESSWAY SIGN SIZE (30x21)

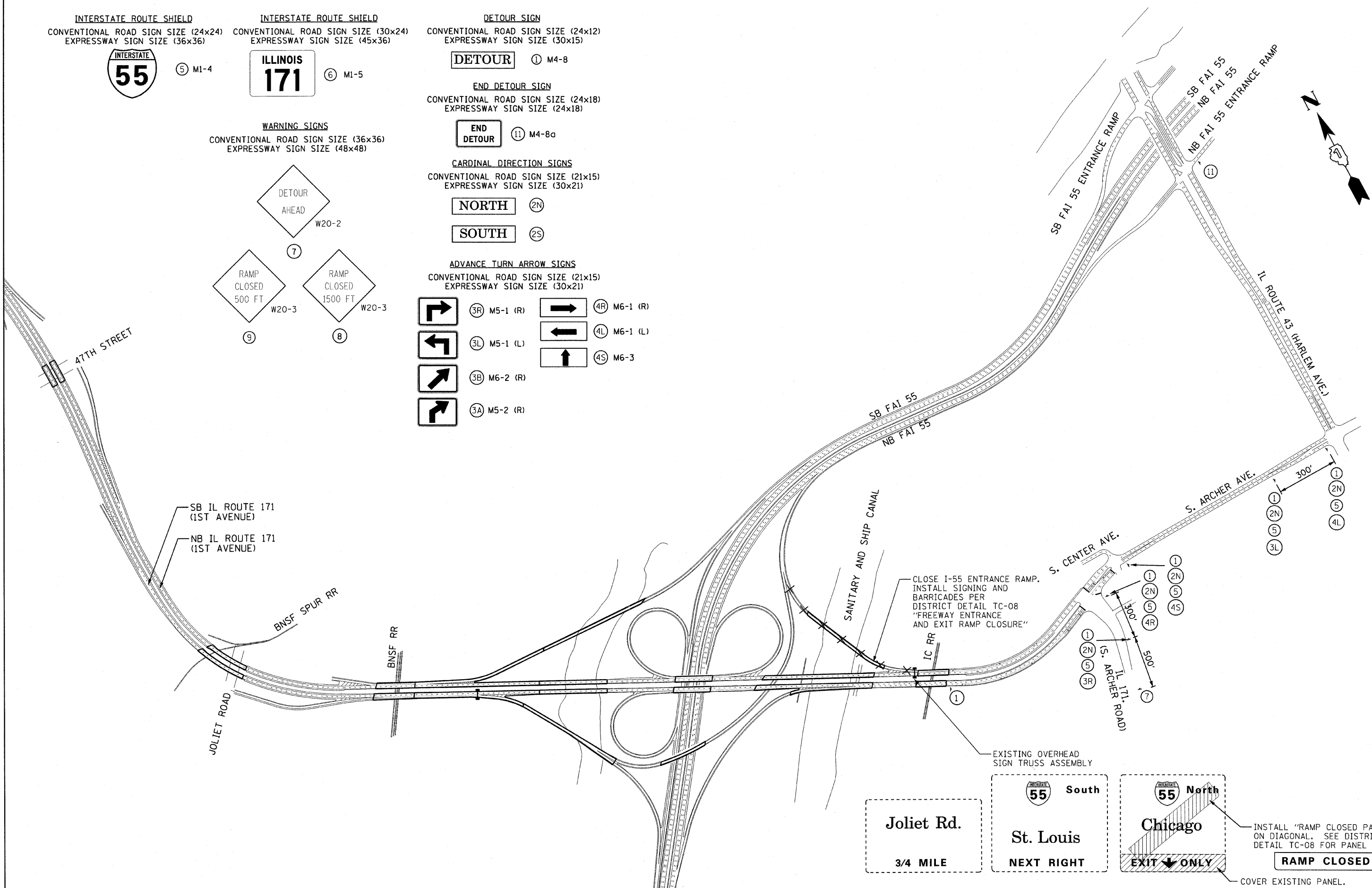
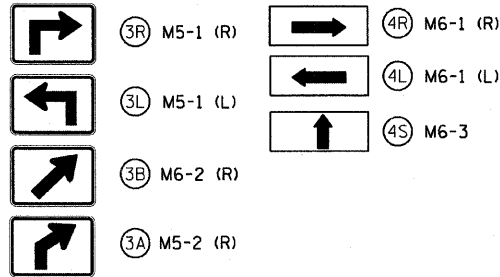


②N



②S

ADVANCE TURN ARROW SIGNS
 CONVENTIONAL ROAD SIGN SIZE (21x15)
 EXPRESSWAY SIGN SIZE (30x21)



Joliet Rd.

3/4 MILE

South

St. Louis

NEXT RIGHT

North

Chicago

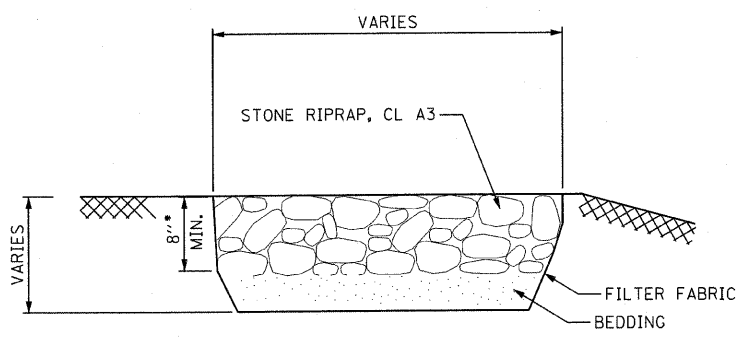
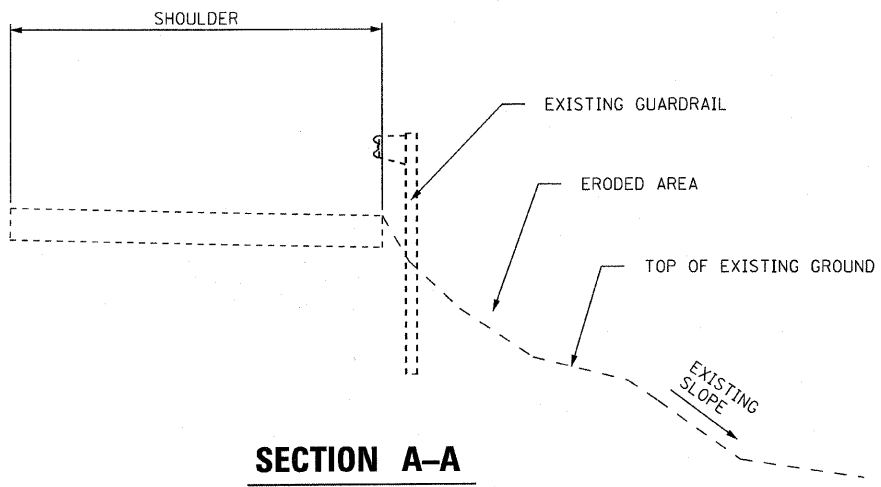
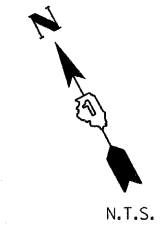
EXIT ONLY

INSTALL "RAMP CLOSED" ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

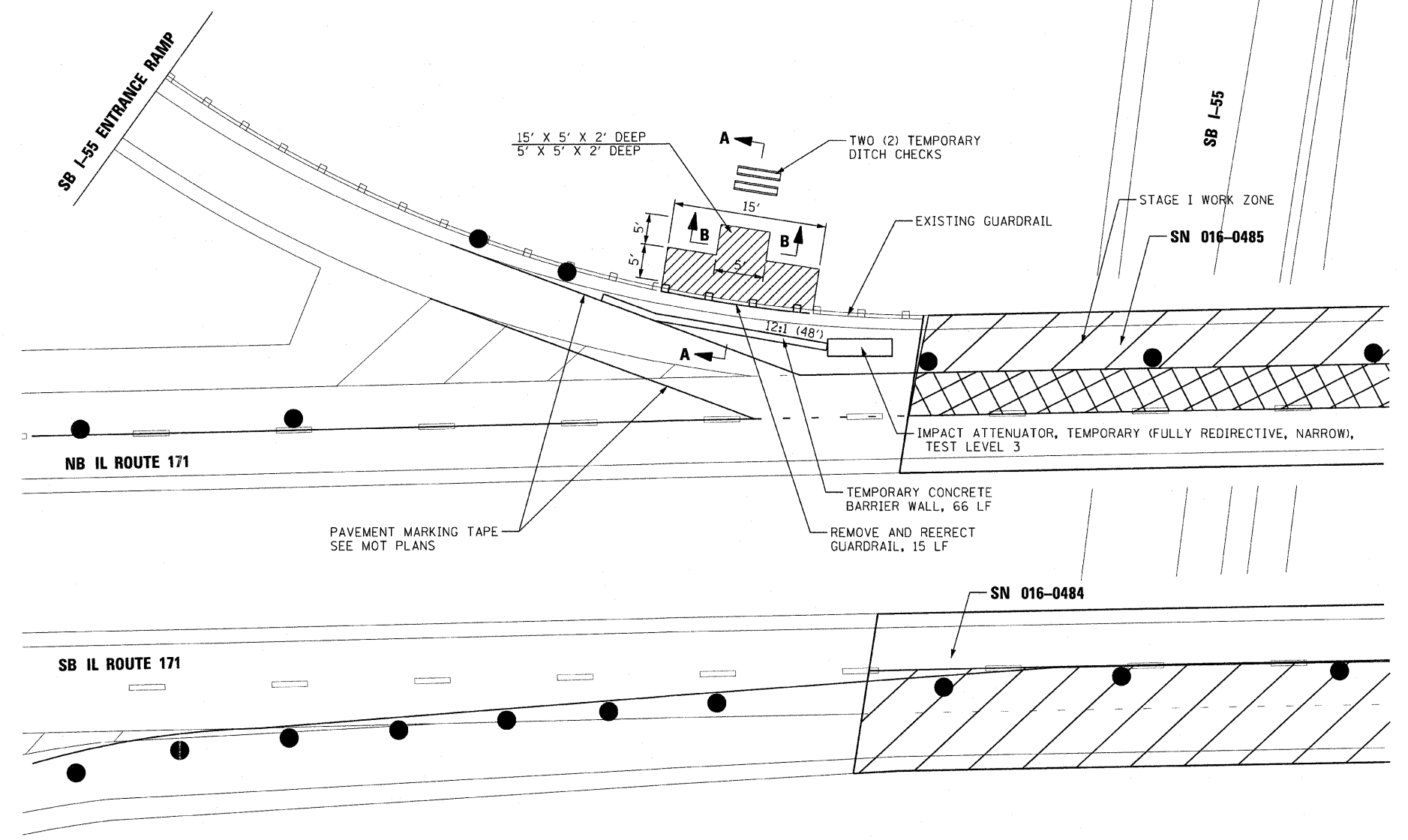
RAMP CLOSED

COVER EXISTING PANEL.

FILE NAME =	USER NAME = rgal1	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 MAINTENANCE OF TRAFFIC - SUBSTAGE IC TEMPORARY DETOUR PLAN	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 13B	
PLOT SCALE = 3/8" = 1' IN.	CHECKED - JMH	REVISOR -	REVISOR -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60R03				
PLOT DATE = 12/16/2011	DATE - AUGUST, 2011	REVISOR -	REVISOR -								



• DEPTH AS SPECIFIED ON PLANS.



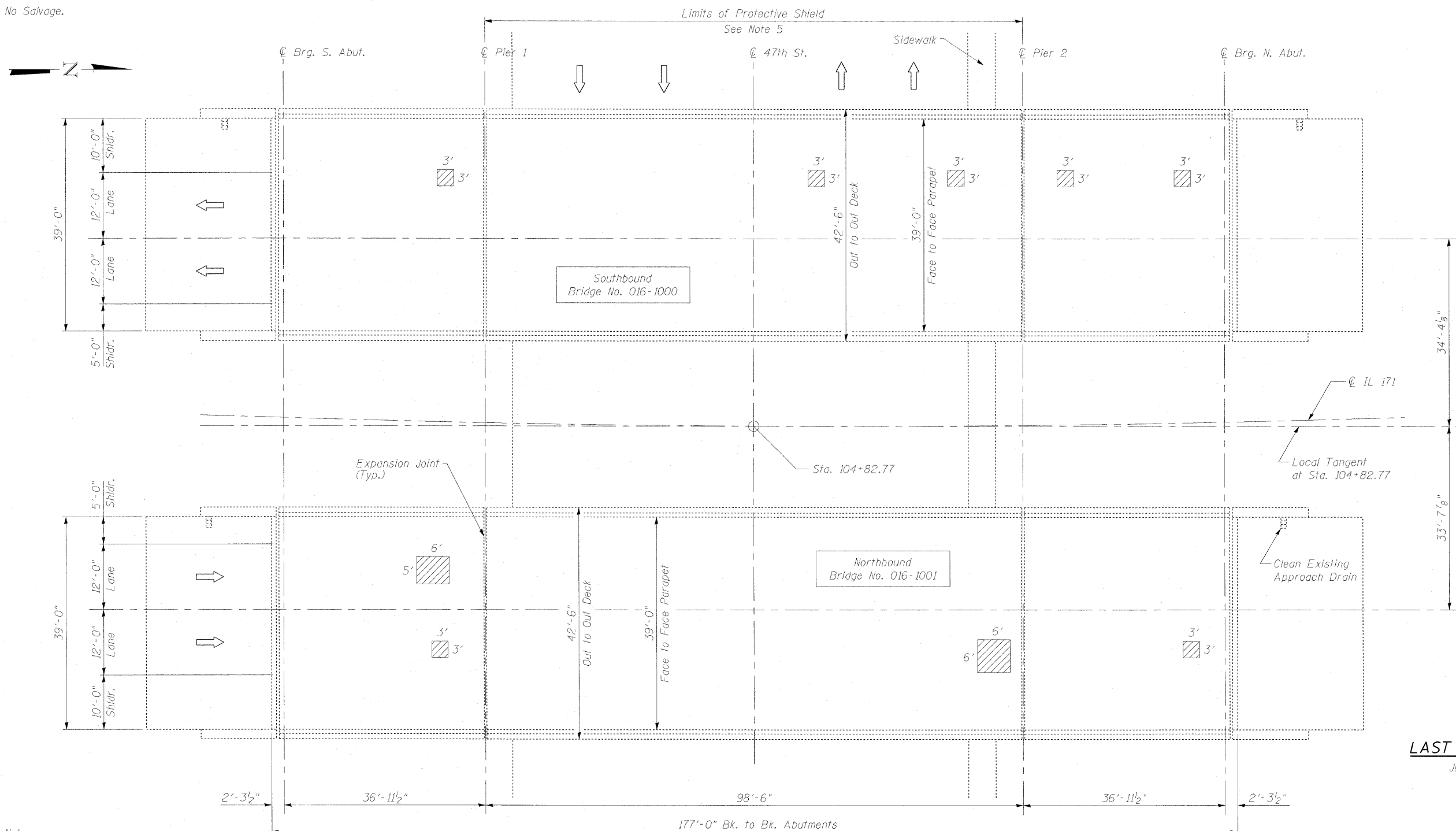
HATCHED AREA INDICATES STONE RIPRAP, CLASS A3 FILTER FABRIC

FILE NAME =	USER NAME = rgeall	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 171 EROSION RESTORATION PLAN			F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 14	
	PLOT SCALE = 20,000' / IN.	CHECKED - JMH	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60R03			
	PLOT DATE = 12/16/2011	DATE - AUGUST, 2011	REVISED -			ILLINOIS FED. AID PROJECT							

#FILEL6

Existing Structures: S.N. 016-1000 and S.N. 016-1001.

No Salvage.



Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.

- Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.

PLAN

BILL OF MATERIAL

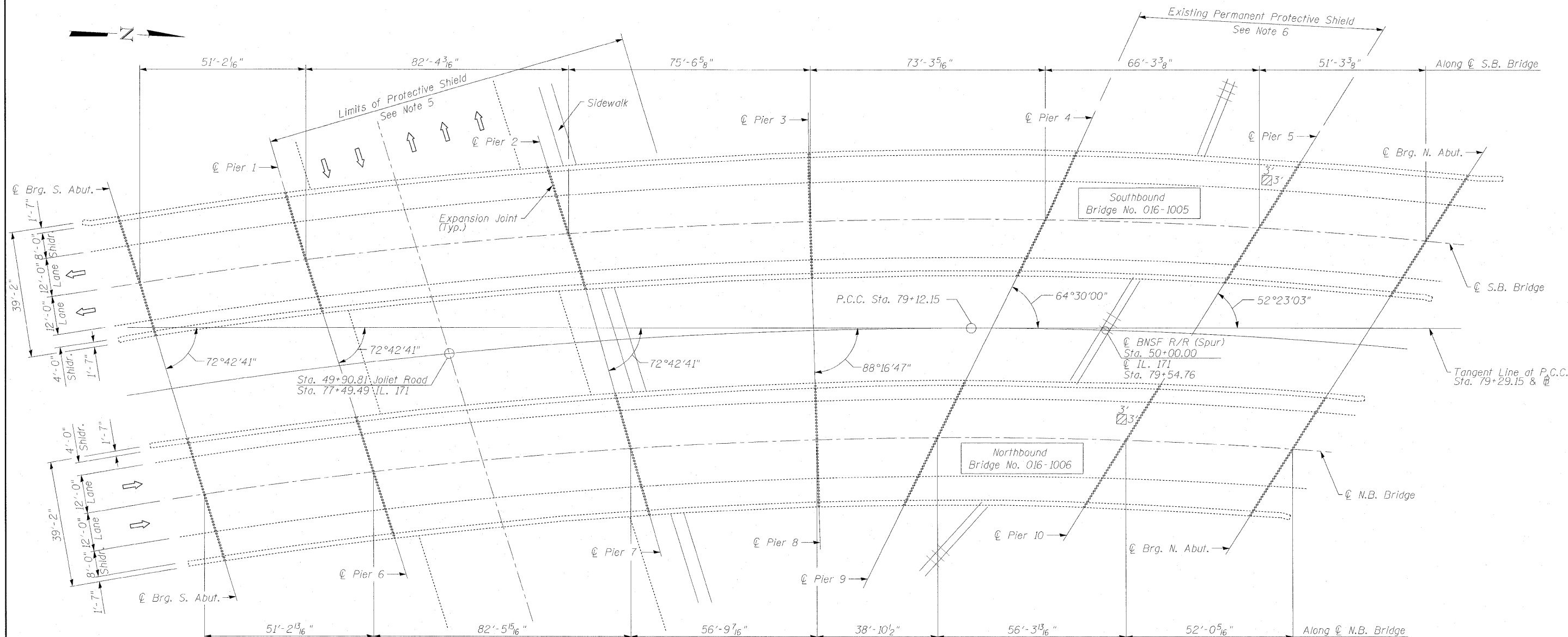
ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	14.4
Drainage Structures to be Cleaned	Each	1
Protective Shield	Sq. Yd.	772

Legend:
 Indicates Partial Deck Slab Repair

DECK SLAB REPAIRS
1ST AVE. (IL. 171) OVER 47th STREET
COOK COUNTY
STATION 104+82.77
STRUCTURE NO. 016-1000 (S.B.)
& STRUCTURE NO. 016-1001 (N.B.)

Existing Structures: S.N. 016-1005 and S.N. 016-1006.

No Salvage.



PLAN

LAST DELAMINATION SURVEY

July, 2011 (Provided by IDOT)

Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
- Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.
- There is an existing permanent protective shield system installed over the railroad. The District Bridge Office indicated that the existing shield is acceptable for reuse. The permanent protective shield system shall not be removed upon completion of the work.

Legend:

Indicates Partial Deck Slab Repair

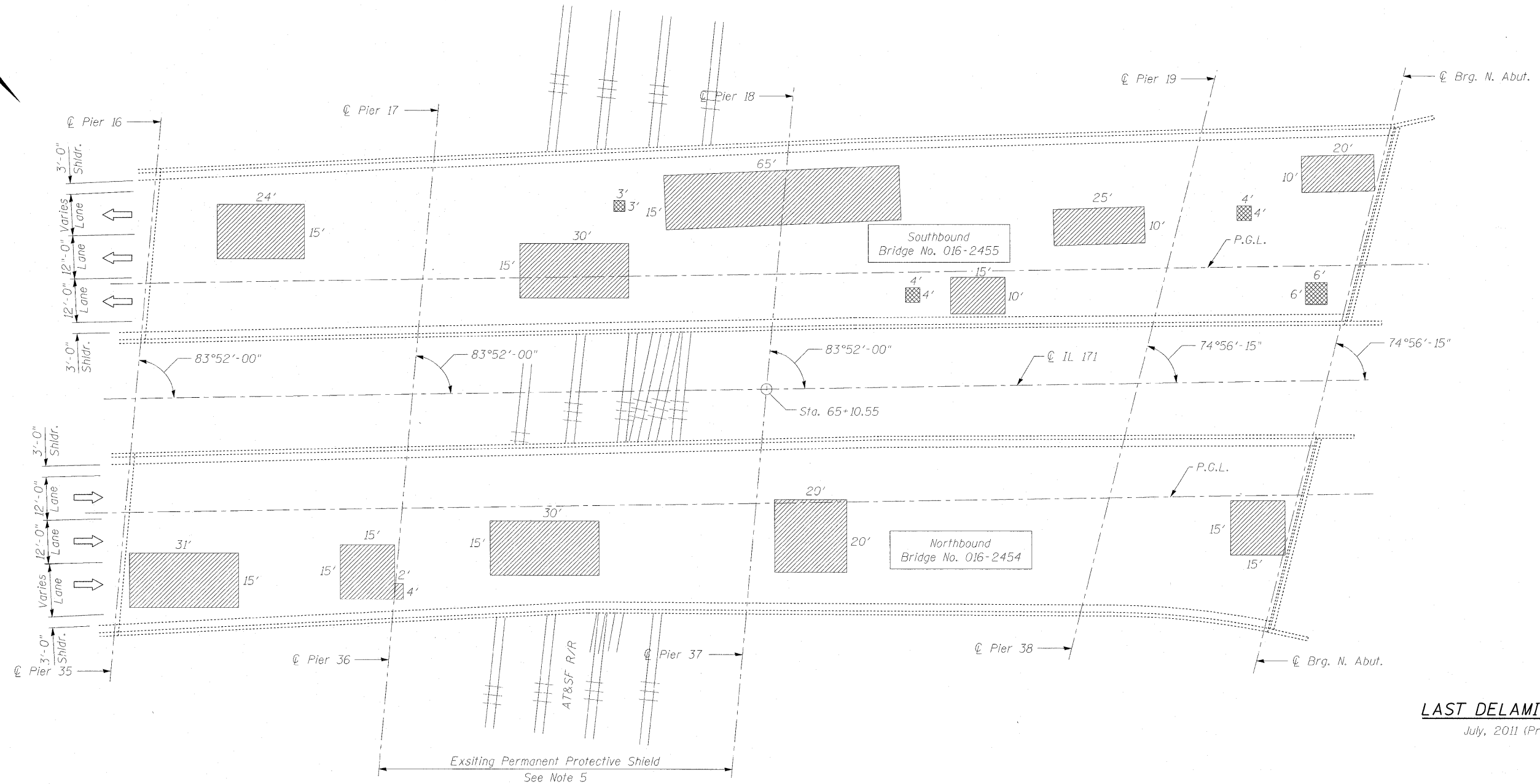
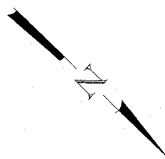
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	2.0
Protective Shield	Sq. Yd.	776

DECK SLAB REPAIRS
1ST AVENUE (IL. 171) OVER JOLIET ROAD
& BNSF RAILROAD
COOK COUNTY
STATION 77+49.40
STRUCTURE NO. 016-1005 (S.B.) &
STRUCTURE NO. 016-1006 (N.B.)

Existing Structures: S.N. 016-2454 and S.N. 016-2455.

No Salvage.



Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
- There is an existing permanent protective shield system installed over the railroad. The District Bridge Office indicated that the existing protective shield is acceptable for reuse. The permanent protective shield system shall not be removed upon completion of the work.

Legend:

- Indicates Partial Deck Slab Repair
- Indicates Full Depth, Type II Deck Slab Repair

PLAN

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8.6
Deck Slab Repair (Partial)	Sq. Yd.	462

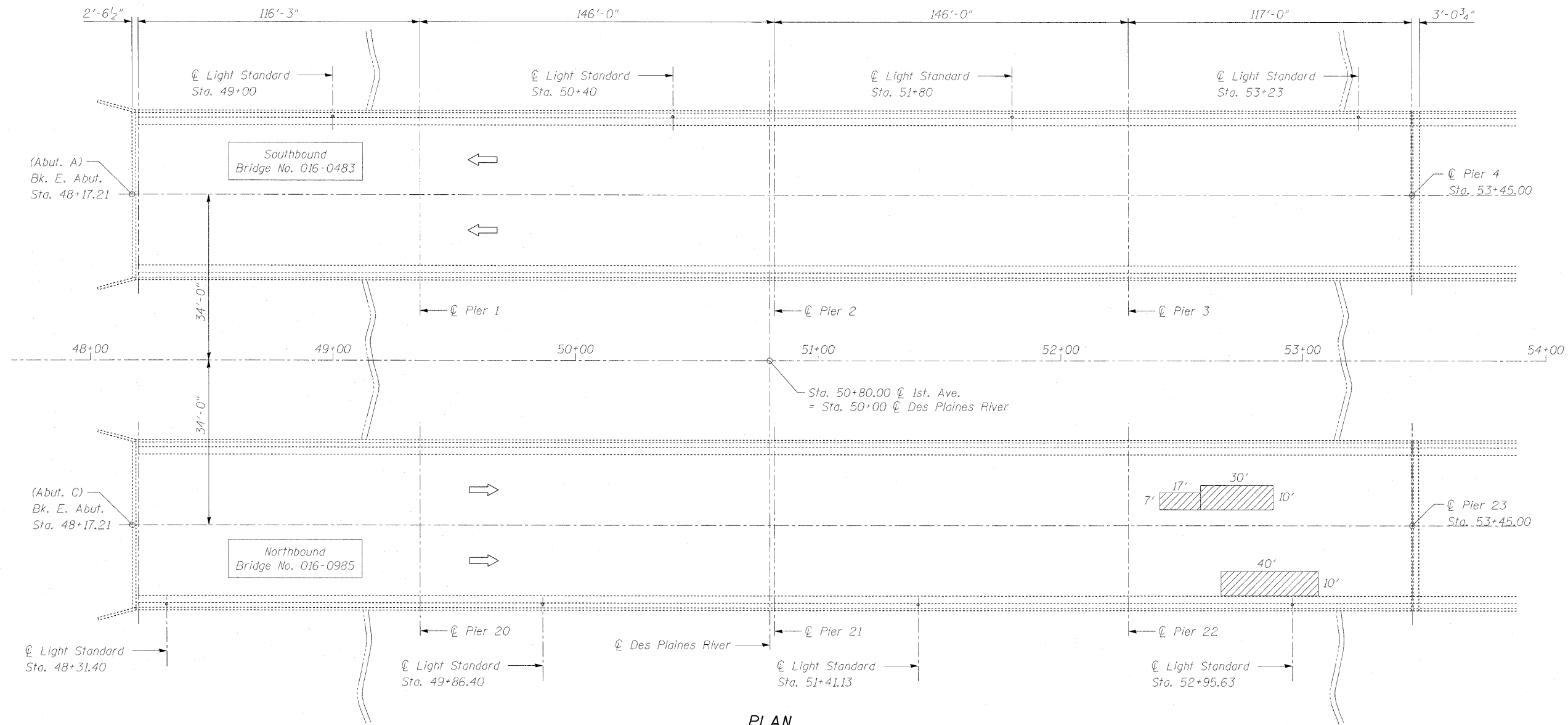
LAST DELAMINATION SURVEY

July, 2011 (Provided by IDOT)

DECK SLAB REPAIRS
1ST AVE. (IL. 171) OVER RR-C&WI AND B&O
COOK COUNTY
STATION
STRUCTURE NO. 016-2455 (S.B.)
& STRUCTURE NO. 016-2454 (N.B.)

Existing Structures: S.N. 016-0483 and 016-0985.

No Salvage.



PLAN

LAST DELAMINATION SURVEY
July, 2011 (Provided by IDOT)

Notes:

1. Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
2. The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
3. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
4. The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.

Legend:
 Indicates Partial Deck Slab Repair

BILL OF MATERIAL

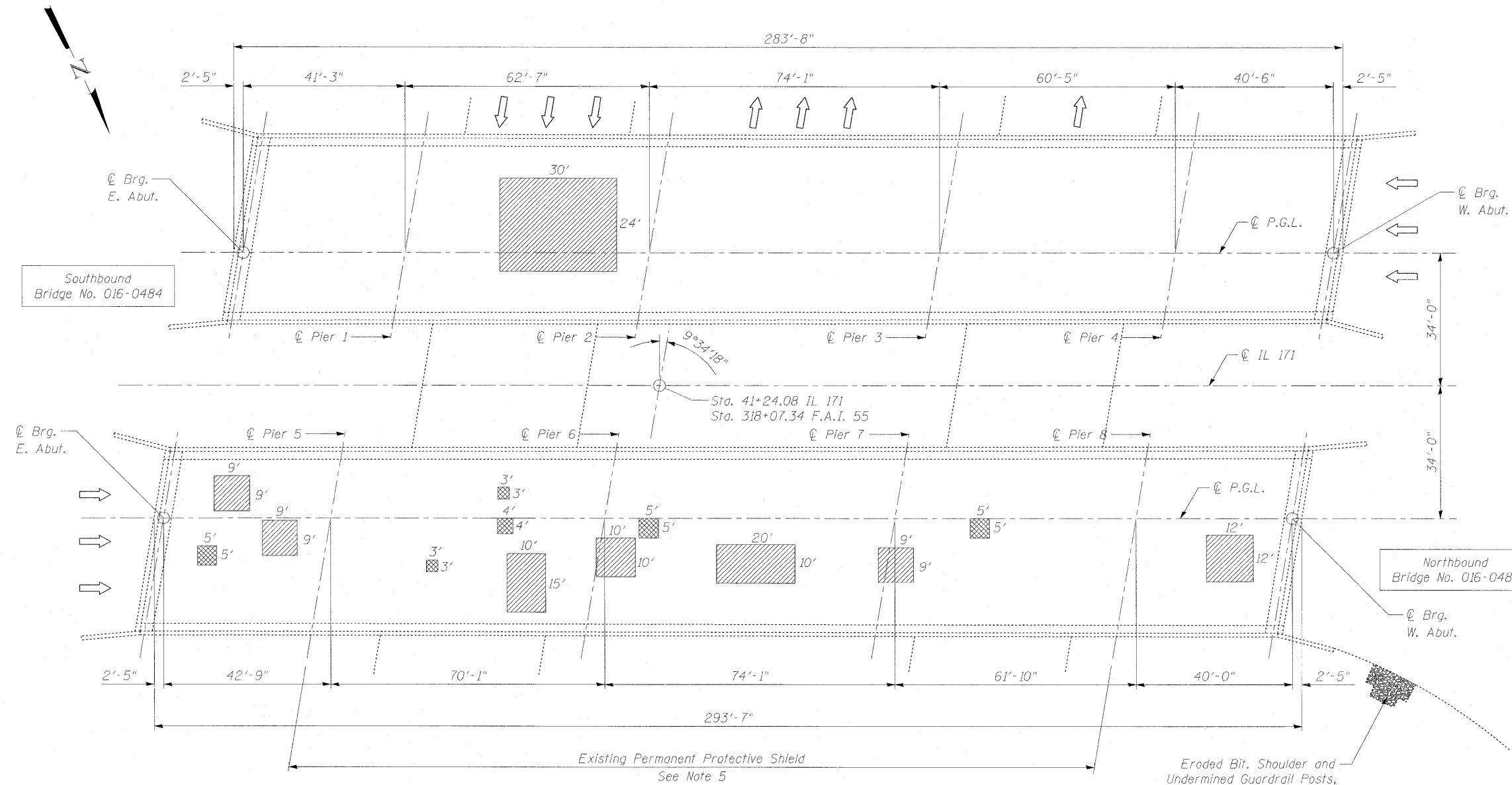
ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	91

DECK SLAB REPAIRS
1ST AVENUE (IL. 171) OVER
DES PLAINES RIVER
COOK COUNTY
STATION 50+80.00
STRUCTURE NO. 016-0483 (S.B.) &
STRUCTURE NO. 016-0985 (N.B.)

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN STRUCTURE NO. 016-0483 (S.B.) & 016-0985 (N.B.)	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 19	
PLDT SCALE =	DRAWN - DR/PRH	REVISED -	CONTRACT NO. 60R03								
PLDT DATE =	CHECKED - JMH	REVISED -	ILLINOIS FED. AID PROJECT								
SHEET NO. 55 OF 513 SHEETS											

Existing Structures: S.N. 016-0484 and S.N. 016-0485.

No Salvage.



PLAN

LAST DELAMINATION SURVEY
July, 2011 (Provided by IDOT)

Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
- There is an existing permanent protective shield system installed over I-55 traffic lanes. The District Bridge Office indicated that the existing protective shield is acceptable for reuse. The permanent protective shield system shall not be removed upon completion of the work.

Legend:
 Indicates Partial Deck Slab Repair
 Indicates Full Depth, Type II Deck Slab Repair

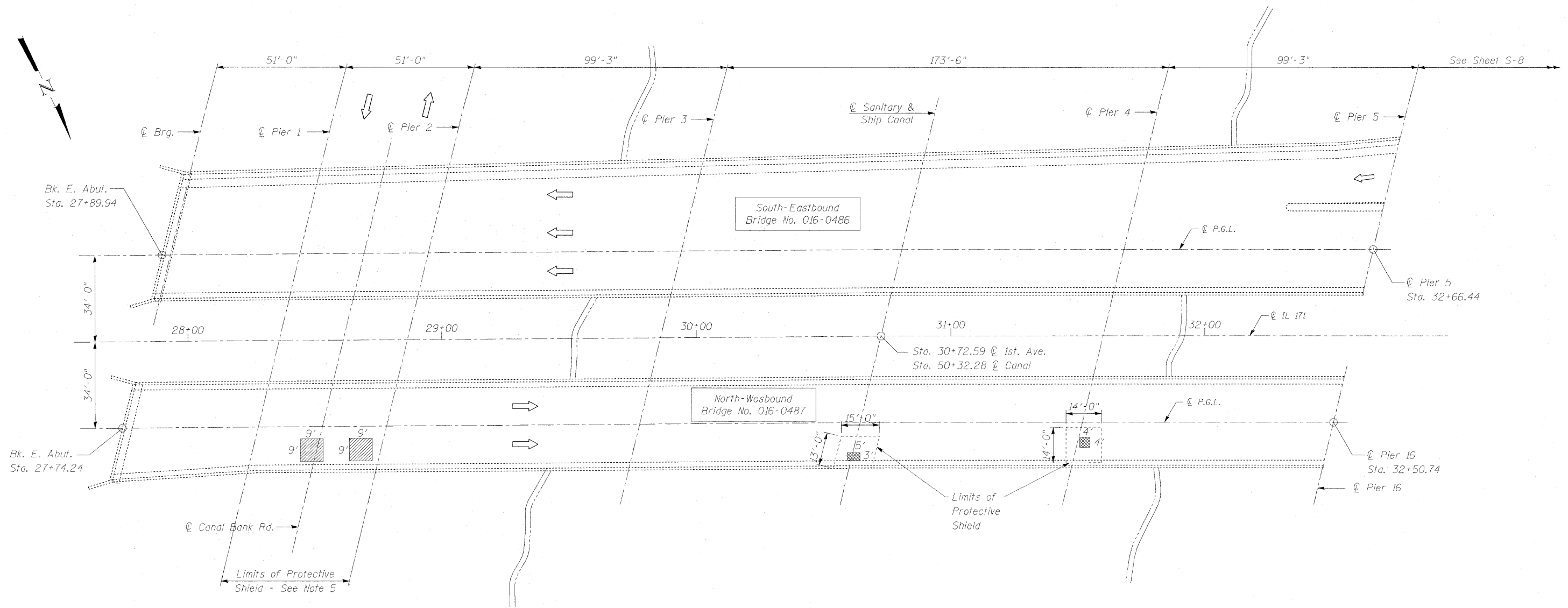
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	12.2
Deck Slab Repair (Partial)	Sq. Yd.	173

DECK SLAB REPAIRS
1ST AVE. (IL. 171) OVER I-55
COOK COUNTY
STATION 41+24.08
STRUCTURE NO. 016-0484 (S.B.)
& STRUCTURE NO. 016-0485 (N.B.)

Existing Structures: S.N. 016-0486 and S.N. 016-0487

No Salvage.



Legend:

- Indicates Partial Deck Slab Repair
- Indicates Full Depth, Type II Deck Slab Repair

Notes:

1. Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
2. The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
3. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
4. The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
5. Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10.6
Deck Slab Repair (Partial)	Sq. Yd.	193
Protective Shield	Sq. Yd.	1,428

LAST DELAMINATION SURVEY

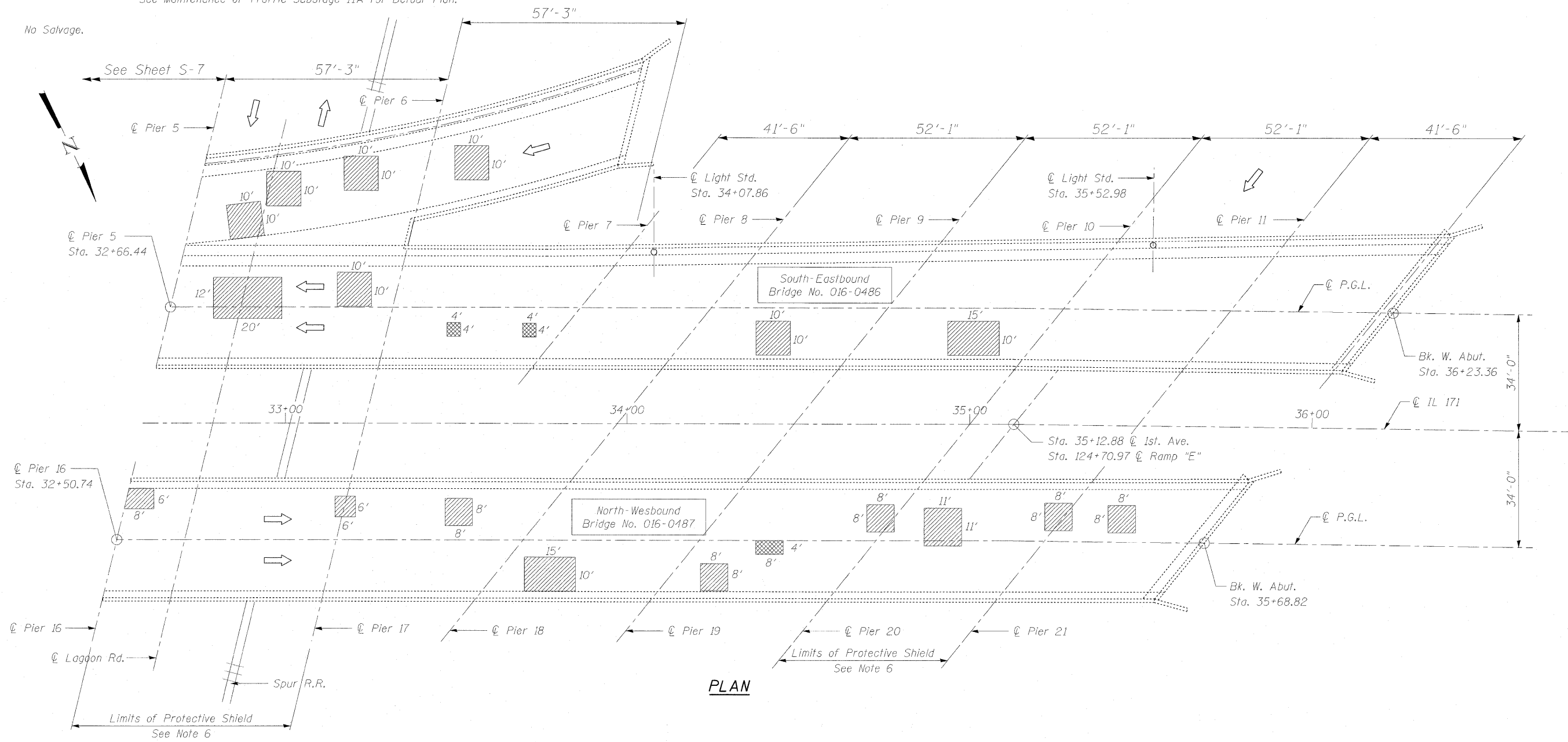
July, 2011 (Provided by IDOT)

**DECK SLAB REPAIRS-I
1ST AVE. (IL. 171) OVER
SANITARY & SHIP CANAL AND RAMP
COOK COUNTY
STATION 30+72.59
STRUCTURE NO. 016-0486 (S.B.)
& STRUCTURE NO. 016-0487 (N.B.)**

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN I STRUCTURE NO. 016-0486 (S.B.) & 016-0487 (N.B.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JMH	REVISED -			373	2011-077-BR	COOK	32	21	
PLOT SCALE =		DRAWN - DR	REVISED -			CONTRACT NO. 60R03					
PLOT DATE =		CHECKED - JMH	REVISED -			ILLINOIS FED. AID PROJECT					

Existing Structures: S.N. 016-0486 (S.B.) & S.N. 016-0487 (N.B.)
 Ramp to be closed for repairs.
 See Maintenance of Traffic Substage IIA for Detour Plan.

No Salvage.



PLAN

Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
- See sheet S-7 for Bill of Material.
- Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.

Legend:

- Indicates Partial Deck Slab Repair
- Indicates Full Depth, Type II Deck Slab Repair

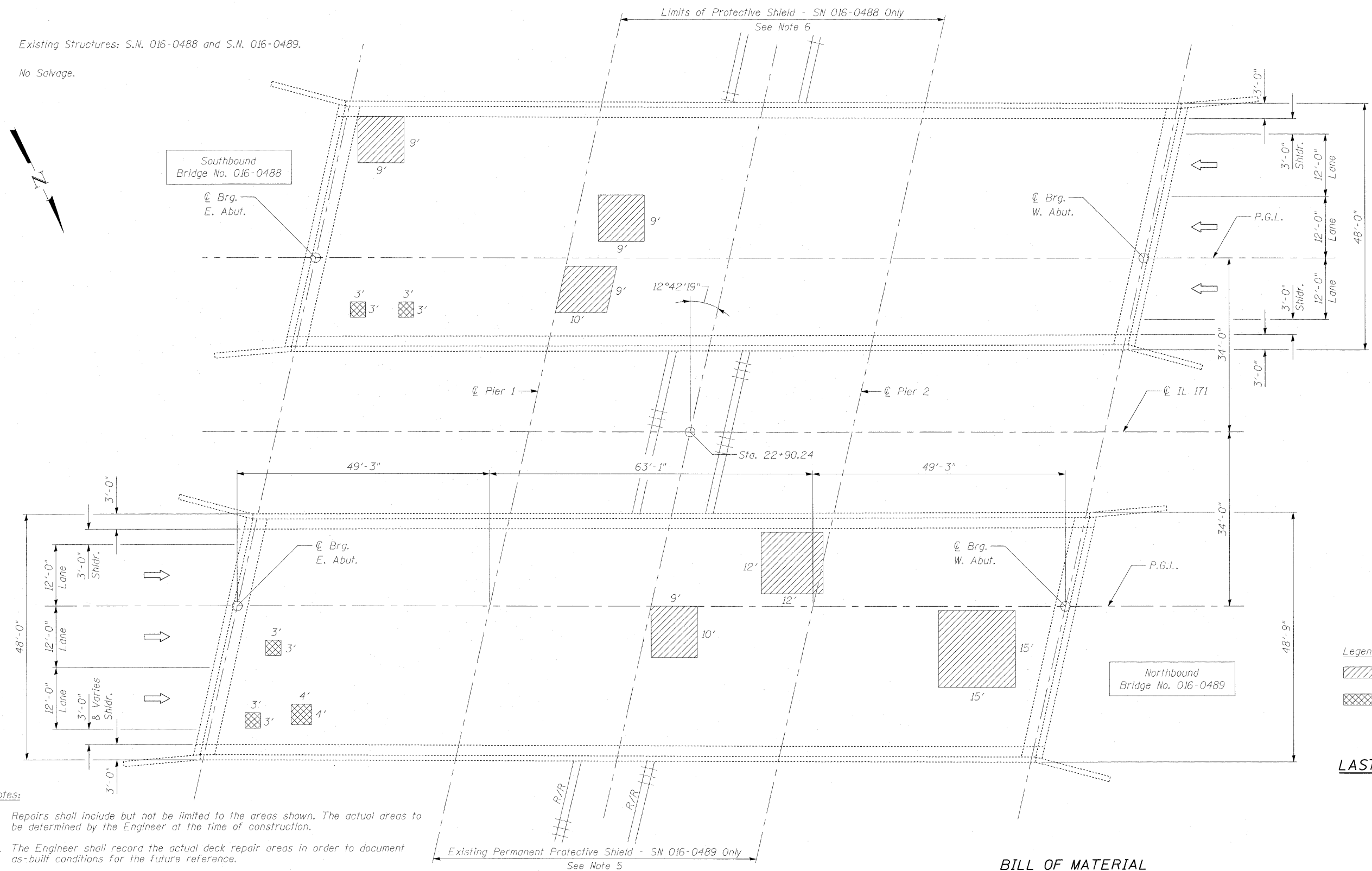
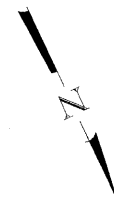
LAST DELAMINATION SURVEY
 July, 2011 (Provided by IDOT)

DECK SLAB REPAIRS-II
 1ST AVE. (IL. 171) OVER
 SANITARY & SHIP CANAL AND RAMP
 COOK COUNTY
 STATION 30+72.59
 STRUCTURE NO. 016-0486 (S.B.)
 & STRUCTURE NO. 016-0487 (N.B.)

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN II STRUCTURE NO. 016-0486 (S.B.) & 016-0487 (N.B.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JMH	REVISED -			373	2011-077-BR	COOK	32	22	
PLOT SCALE =		DRAWN - DR	REVISED -			CONTRACT NO. 60R03					
PLOT DATE =		CHECKED - JMH	REVISED -			ILLINOIS FED. AID PROJECT					

Existing Structures: S.N. 016-0488 and S.N. 016-0489.

No Salvage.



- Legend:**
- Indicates Partial Deck Slab Repair
 - Indicates Full Depth, Type II Deck Slab Repair

LAST DELAMINATION SURVEY
July, 2011 (Provided by IDOT)

- Notes:**
1. Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
 2. The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
 3. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
 4. The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
 5. There is an existing permanent protective shield system installed over the railroad. The District Bridge Office indicated that the existing protective shield is acceptable for reuse. The permanent protective shield system shall not be removed upon completion of the work.

6. Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located.

PLAN

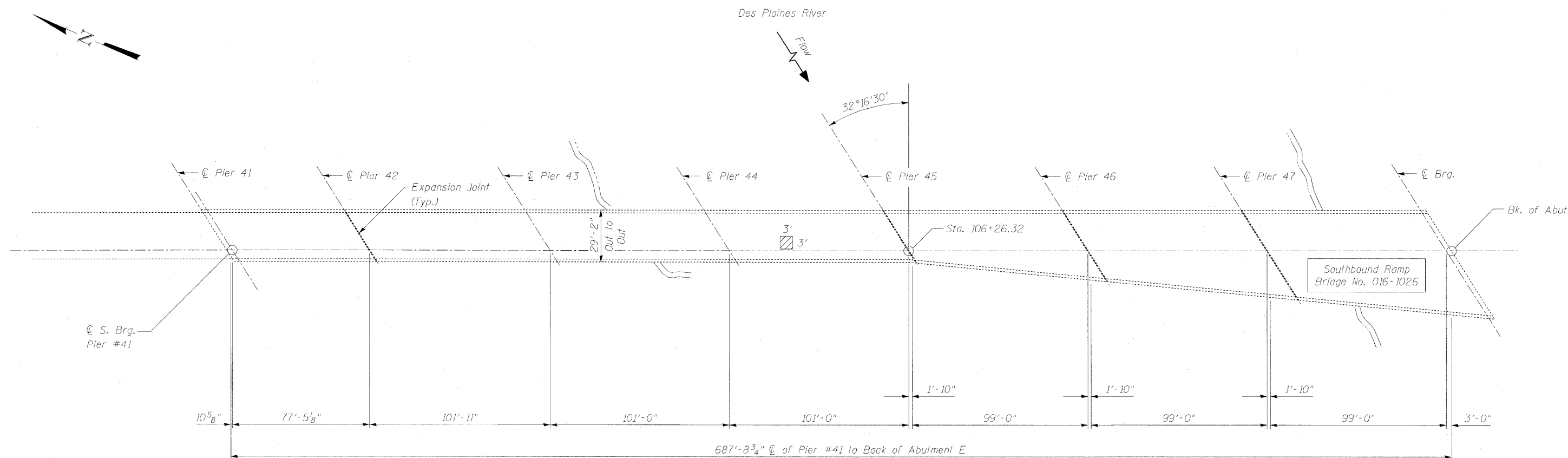
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	5.8
Deck Slab Repair (Partial)	Sq. Yd.	79
Protective Shield	Sq. Yd.	305

DECK SLAB REPAIRS
1ST AVE. (IL. 171) OVER CN RAILROAD
COOK COUNTY
STATION 22+90.24
STRUCTURE NO. 016-0488 (S.B.)
& STRUCTURE NO. 016-0489 (N.B.)

Existing Structure: S.N. 016-1026. Bridge to be closed for repairs.
See Maintenance of Traffic Substage IIA for Detour Plan.

No Salvage.



PLAN

LAST DELAMINATION SURVEY

July, 2011 (Provided by IDOT)

Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.

Legend:
 Indicates Partial Deck Slab Repair

BILL OF MATERIAL

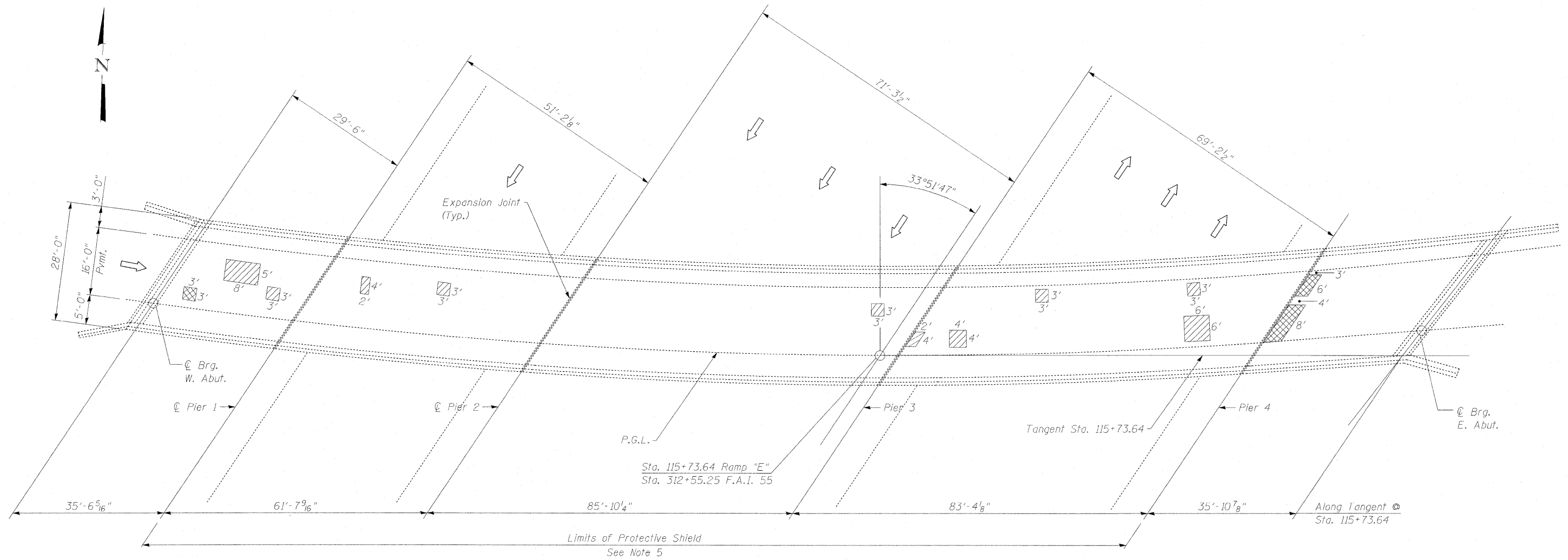
ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	1.0

DECK SLAB REPAIRS
1ST AVE. (IL. 171) S.B. RAMP TO I-55
OVER DES PLAINES RIVER
COOK COUNTY
STATION 106+26.32
STRUCTURE NO. 016-1026 (S.B.)

FILE NAME =	USER NAME =	DESIGNED - EM	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN STRUCTURE NO. 016-1026 (S.B.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JMH	REVISOR -			373	2011-077-BR	COOK	32	24	
PLOT SCALE =		DRAWN - DR	REVISOR -			CONTRACT NO. 60R03					
PLOT DATE =		CHECKED - JMH	REVISOR -			ILLINOIS FED. AID PROJECT					

Existing Structure: S.N. 016-0046. Bridge to be closed for repairs.
See Maintenance of Traffic Substage IIA for Detour Plan.

No Salvage.



PLAN

- Notes:**
1. Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
 2. The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
 3. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
 4. The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
 5. Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.

Legend:
 Indicates Partial Deck Slab Repair
 Indicates Full Depth, Type II Deck Slab Repair

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	6.6
Deck Slab Repair (Partial)	Sq. Yd.	17.0
Protective Shield	Sq. Yd.	436

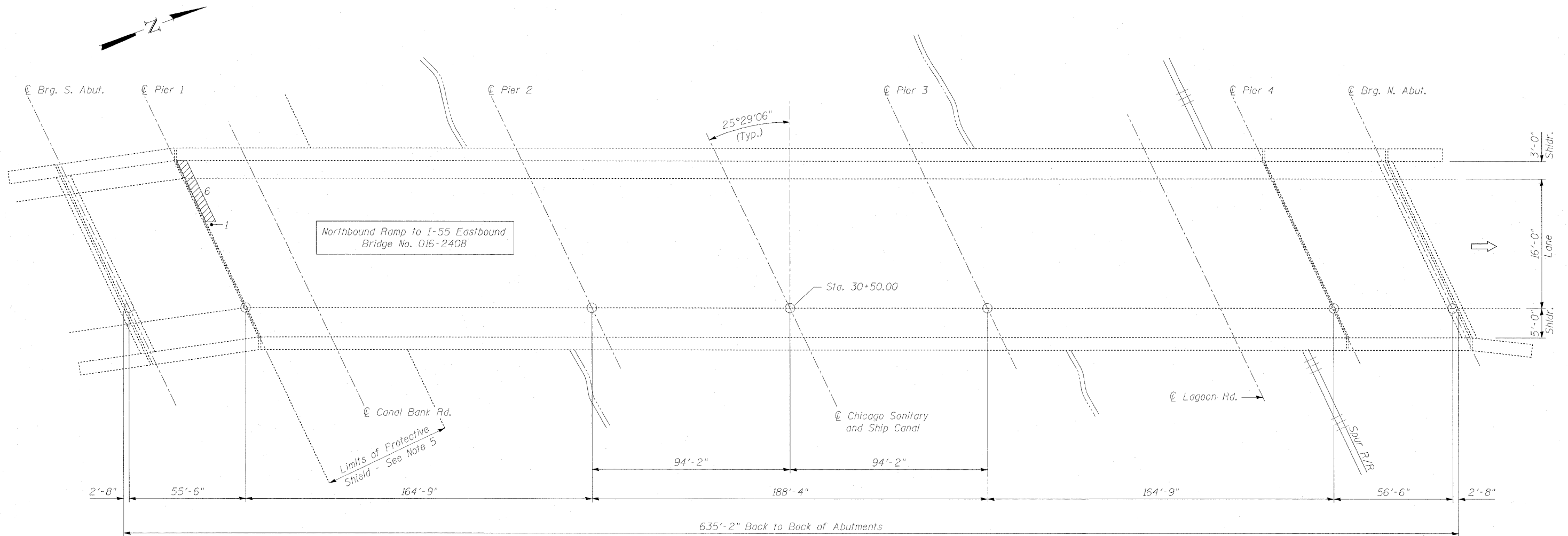
LAST DELAMINATION SURVEY
July, 2011 (Provided by IDOT)

DECK SLAB REPAIRS
1ST AVENUE (IL. 171) S.B. RAMP TO
I-55 E.B. OVER F.A.I. 55
COOK COUNTY
STATION 115+73.64
STRUCTURE NO. 016-0046

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN STRUCTURE NO. 016-0046	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 25	CONTRACT NO. 6OR03		
PLOT SCALE =	DRAWN - DR/PRH	REVISED -	SHEET NO. S11 OF S13 SHEETS				ILLINOIS FED. AID PROJECT						
PLOT DATE =	CHECKED - JMH	REVISED -											

Existing Structure: S.N. 016-2408. Bridge to be closed for repairs.
See Maintenance of Traffic Substage IIA for Detour Plan.

No Salvage.



PLAN

Notes:

- Repairs shall include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
- The Engineer shall record the actual deck repair areas in order to document as-built conditions for the future reference.
- Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage.
- The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the work. Any damage to be repaired at the Contractor's expense.
- Quantities for protective shield have been included in the spans over traffic if full or partial depth repairs were recommended to be performed on that span. The calculated quantity considers the entire span where the repair is located, from half the width of the shoulder (five feet minimum beyond the edge of pavement or edge of sidewalk) on each side of the roadway.

Legend:

- Indicates Partial Deck Slab Repair
- Indicates Full Depth, Type II Deck Slab Repair

BILL OF MATERIAL

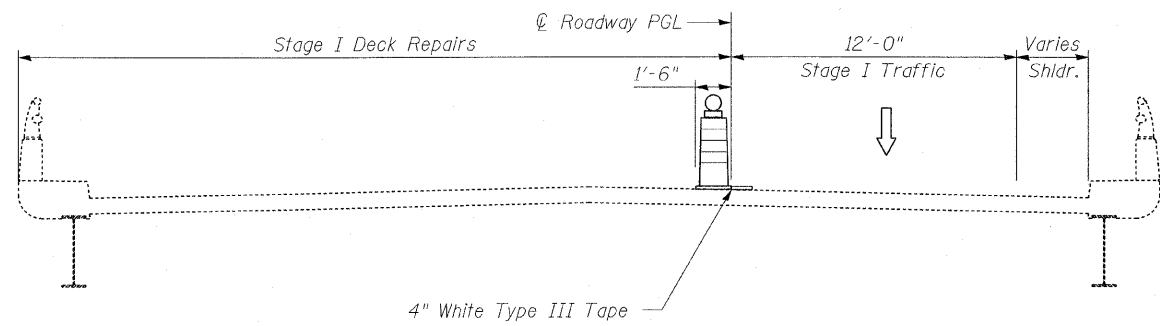
ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	0.7
Protective Shield	Sq. Yd.	105

LAST DELAMINATION SURVEY

July, 2011 (Provided by IDOT)

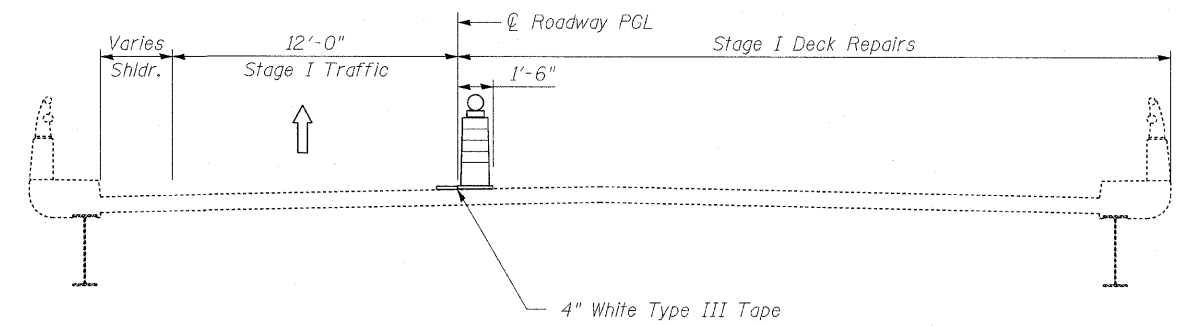
DECK SLAB REPAIRS
1ST AVE. (IL. 171) N.B. RAMP TO I-55 E.B.
OVER SANITARY AND SHIP CANAL
COOK COUNTY
STATION 30+50.00
STRUCTURE NO. 016-2408

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN STRUCTURE NO. 016-2408	F.A.P. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 26
PLOT SCALE =	DRAWN - DR/PRH	REVISED -	SHEET NO. S12 OF S13 SHEETS			CONTRACT NO. 60R03				
PLOT DATE =	CHECKED - JMH	REVISED -	ILLINOIS FED. AID PROJECT							

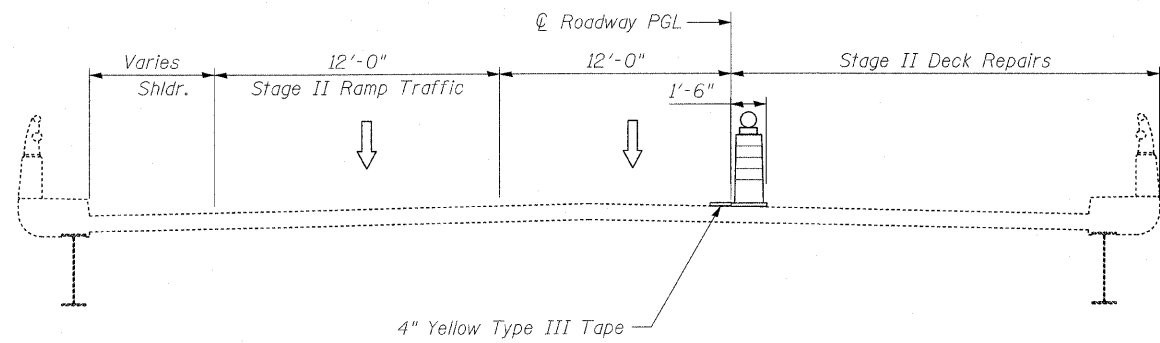


SOUTH-BOUND

STAGE I REPAIRS
TYPICAL CROSS SECTION



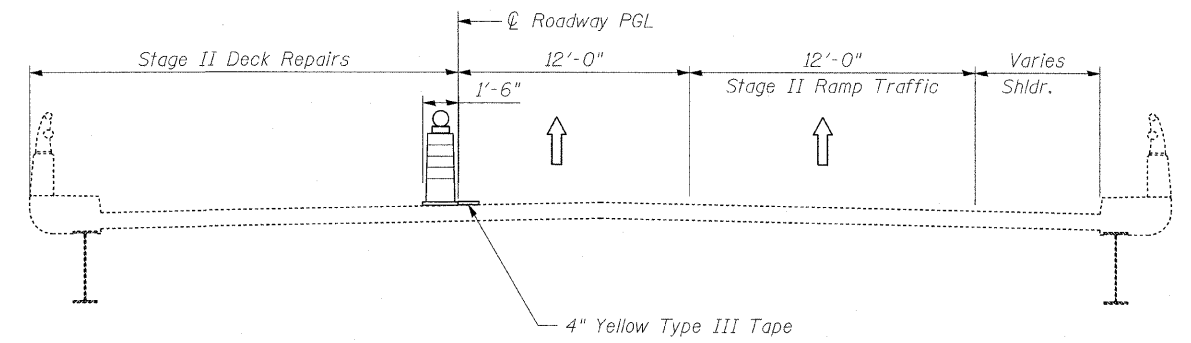
NORTH-BOUND



SOUTH-BOUND

STAGE II REPAIRS
TYPICAL CROSS SECTION

See Roadway MOT plans for details.

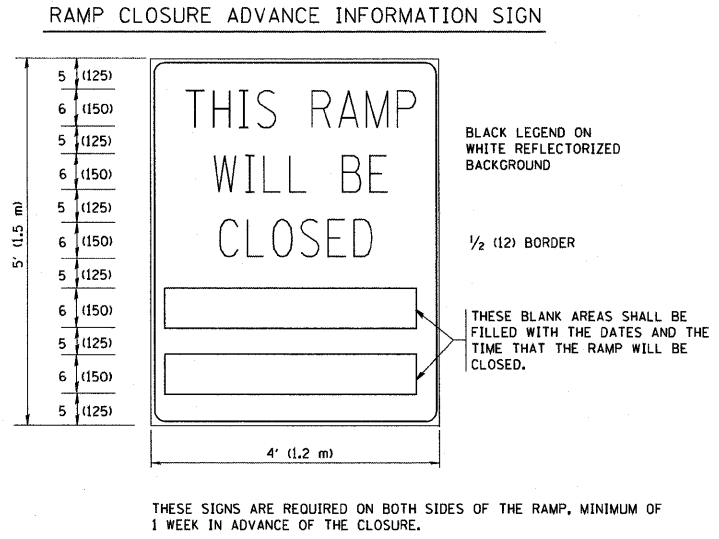
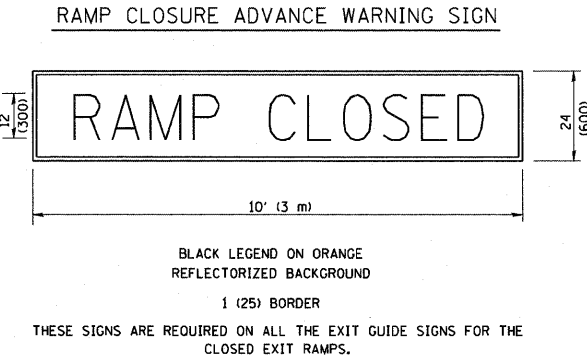
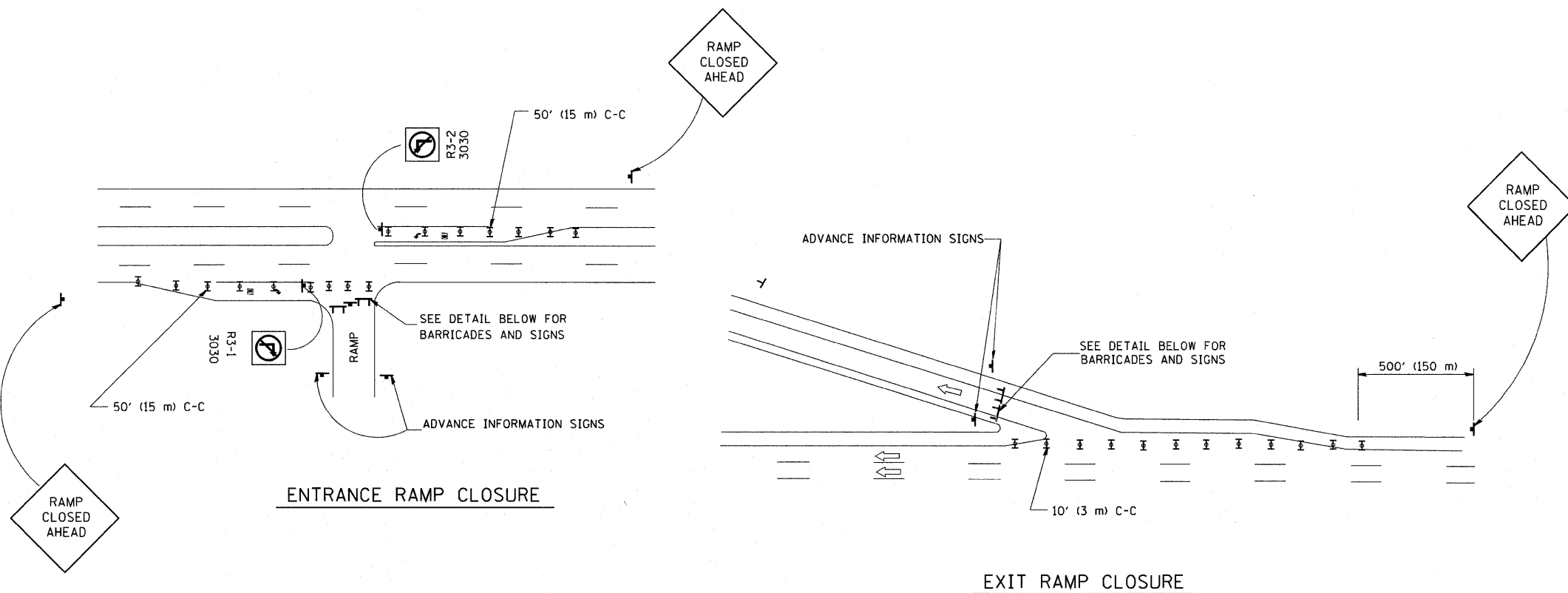


NORTH-BOUND

Notes:

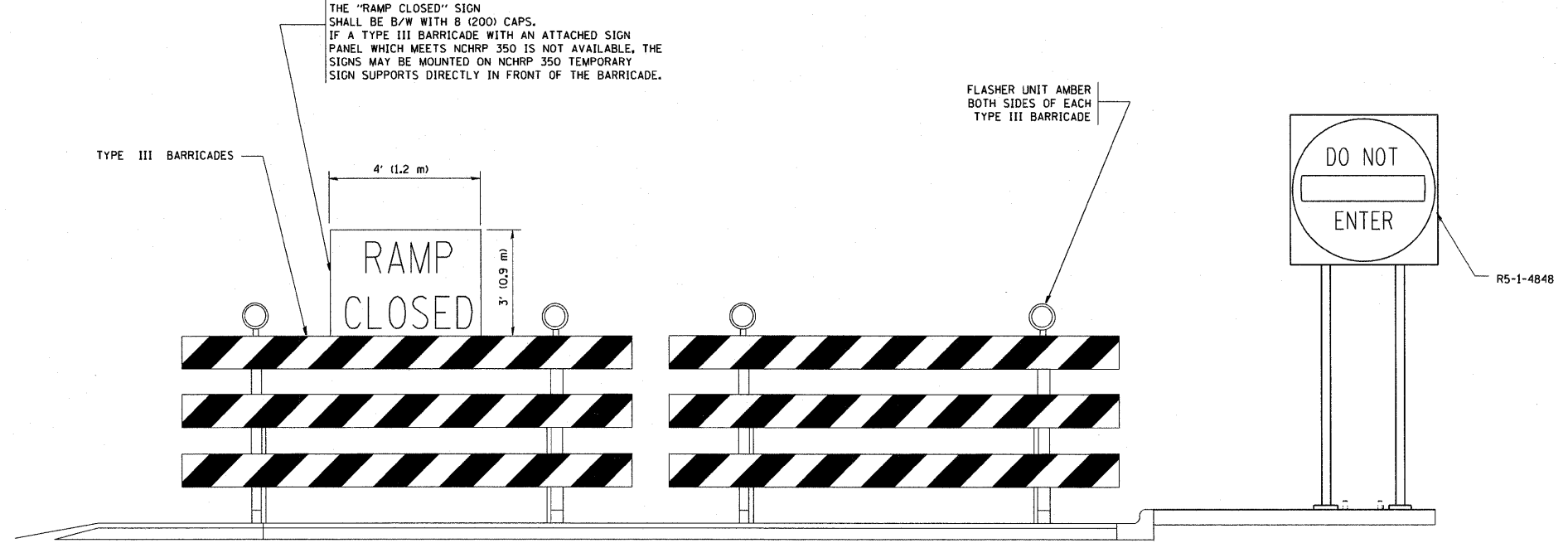
- Contractor may reduce lane width for traffic to a minimum of 10' (12' minimum on ramps), to accommodate the work zone during construction.

FILE NAME =	USER NAME =	DESIGNED - EM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTION STAGE CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JMH	REVISED -			373	2011-077-BR	COOK	32	27	
		DRAWN - DR/PRH	REVISED -			CONTRACT NO. 60R03					
		CHECKED - JMH	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT SCALE =			SHEET NO. S13 OF S13 SHEETS							
	PLOT DATE =										



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

FLASHER UNIT AMBER BOTH SIDES OF EACH TYPE III BARRICADE

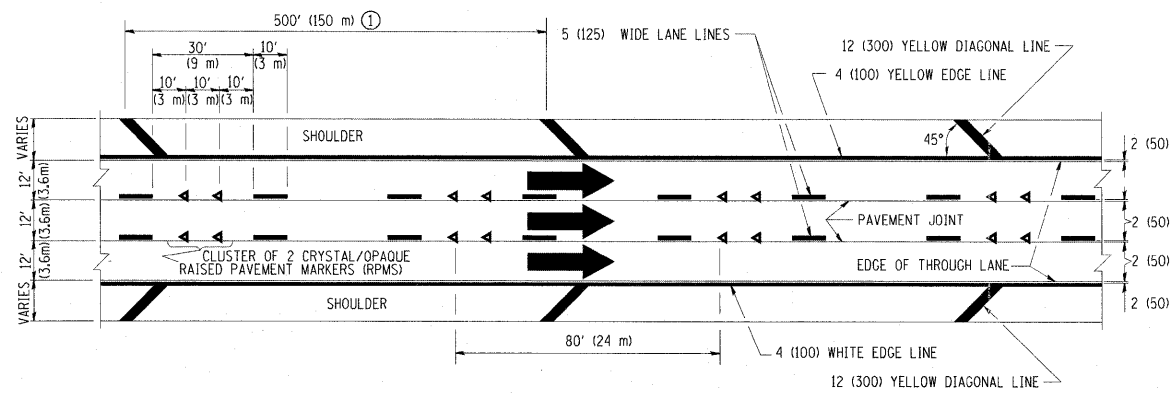


- GENERAL NOTES:
- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
 - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 - A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 - ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 - THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
 - AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
 - THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.

- SYMBOLS**
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - TYPE III BARRICADE WITH FLASHING LIGHT

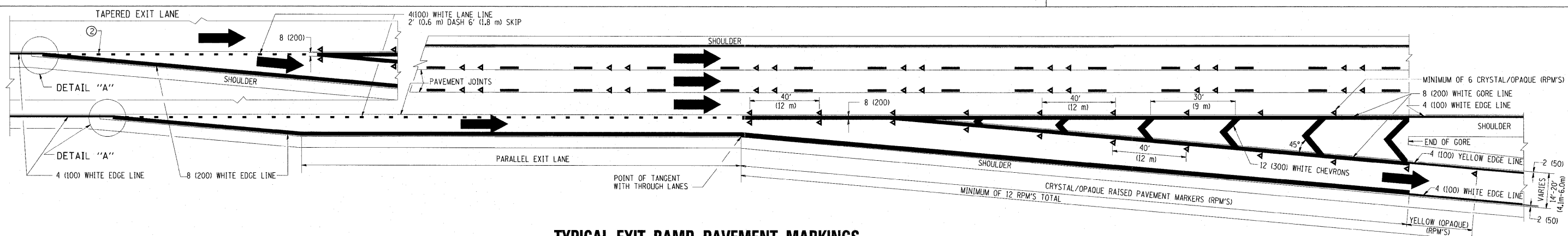
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\to88.dgn	USER NAME = gaglianobt	DESIGNED - DWS	REVISED - DWS 12-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS			F.A. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 28
PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - DWS/JAF 12-02	REVISED - JAF 02-06		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-08		CONTRACT NO. 60R03	
PLOT DATE = 1/4/2008	DATE - 02-83	REVISED - SPB 01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

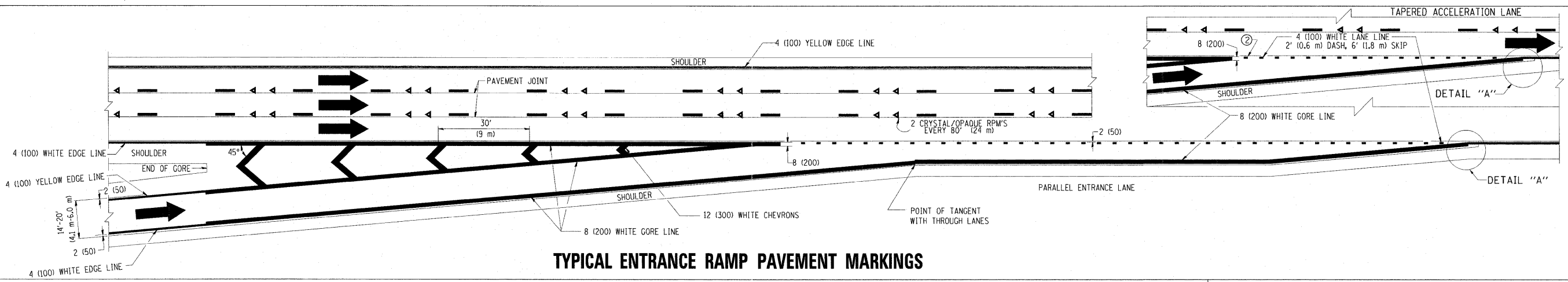


TYPICAL EDGE LINES & LANE LINES

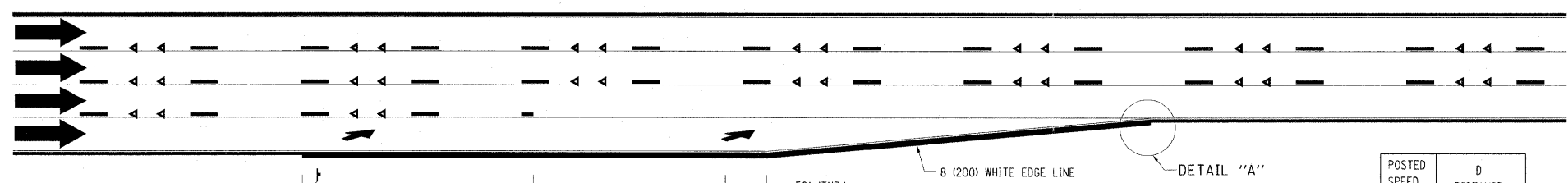
- PAVEMENT MARKING MATERIALS**
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
 3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

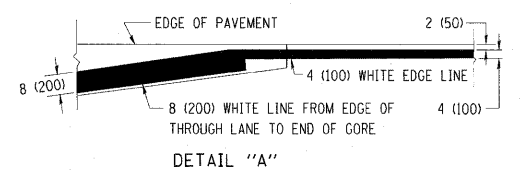


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

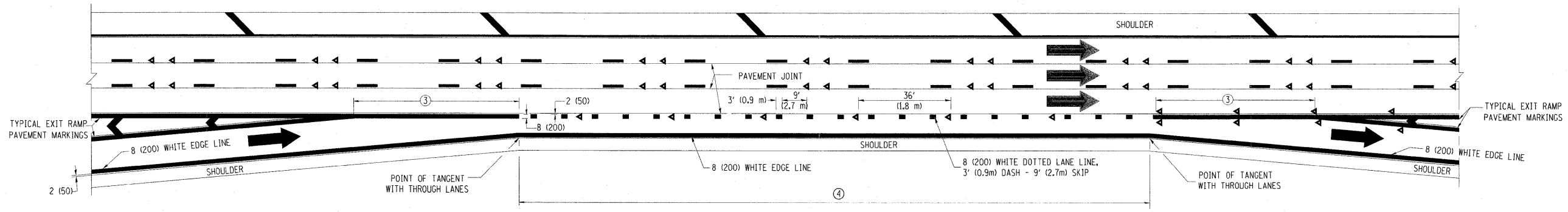


LANE REDUCTION PAVEMENT MARKINGS

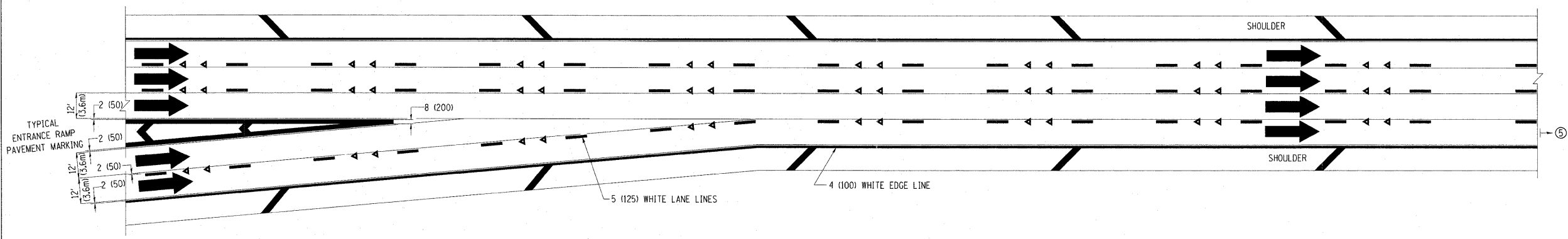
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



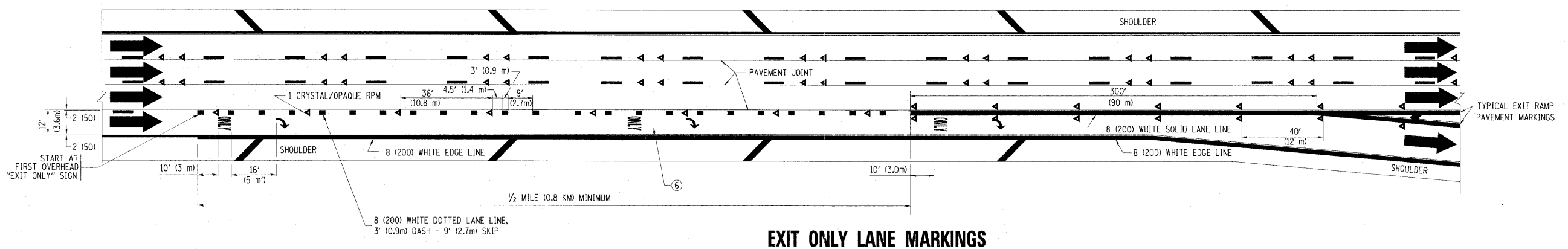
- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED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



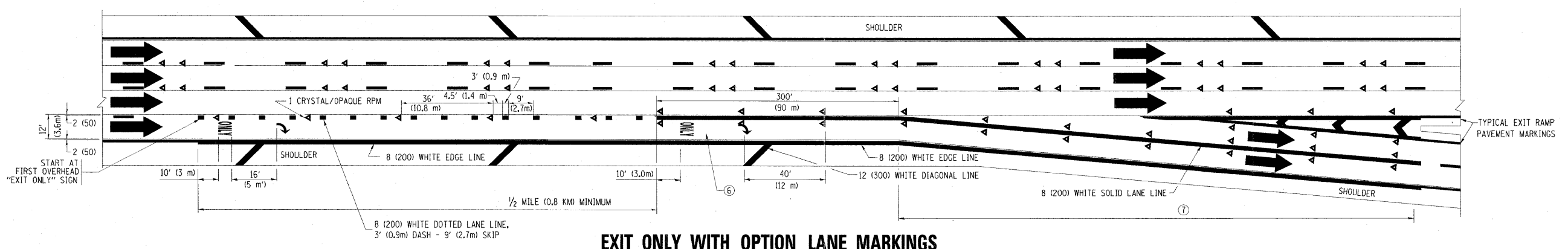
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS

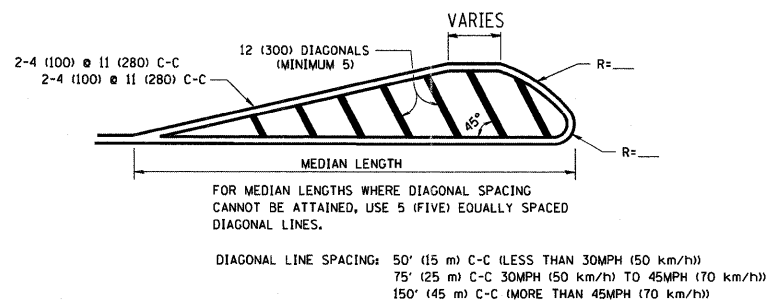
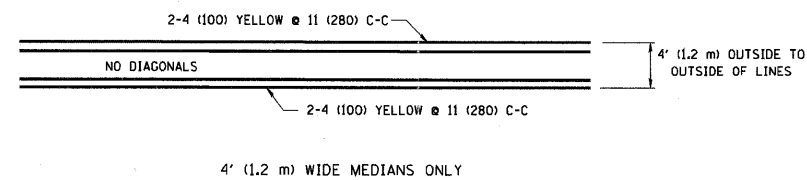
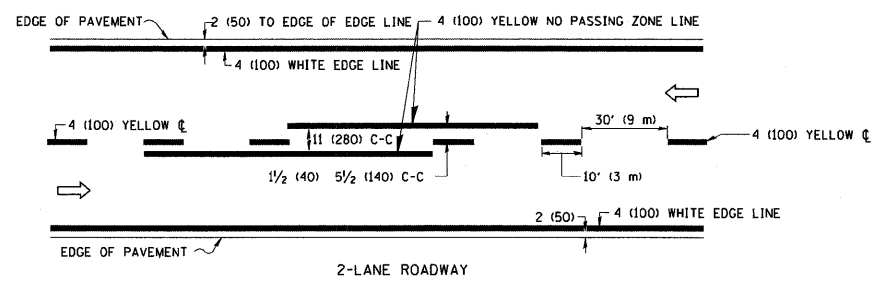


EXIT ONLY LANE MARKINGS

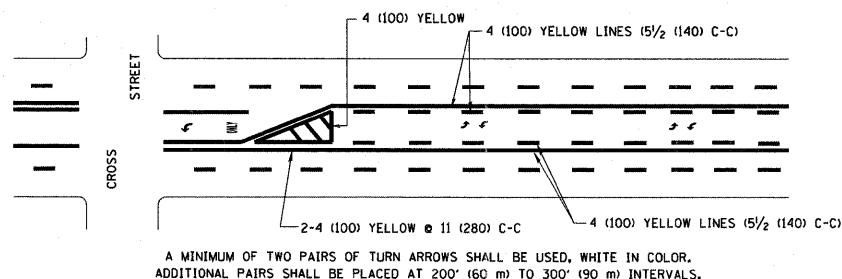


EXIT ONLY WITH OPTION LANE MARKINGS

- 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 CORE.

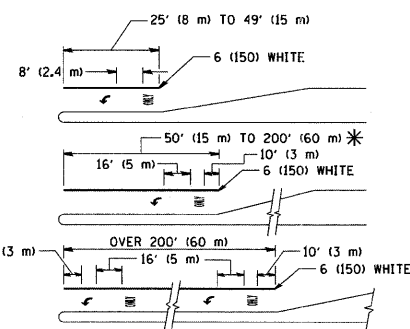


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

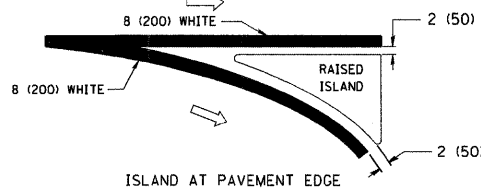
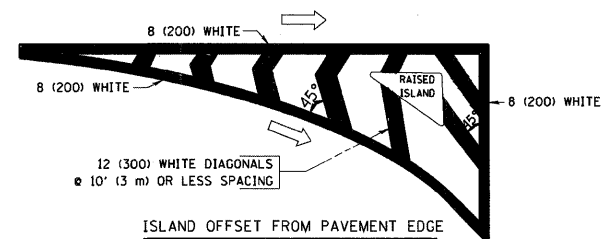


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

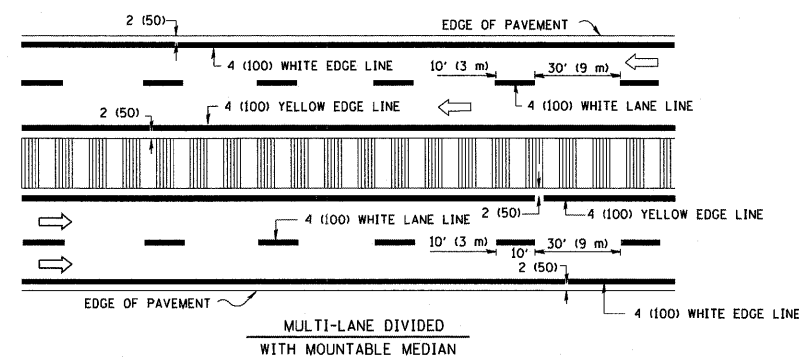
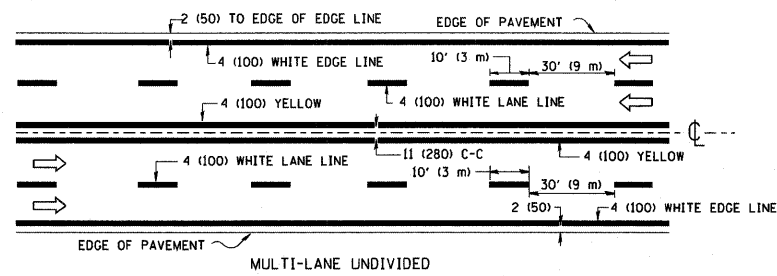
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

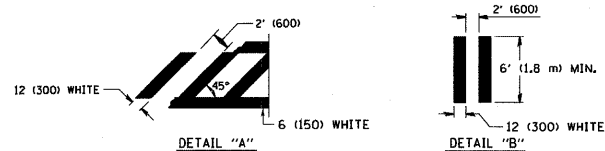
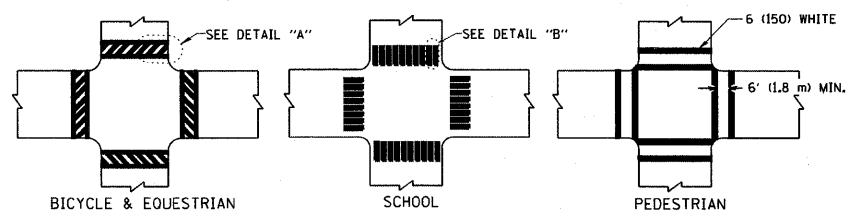


TYPICAL ISLAND MARKING



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

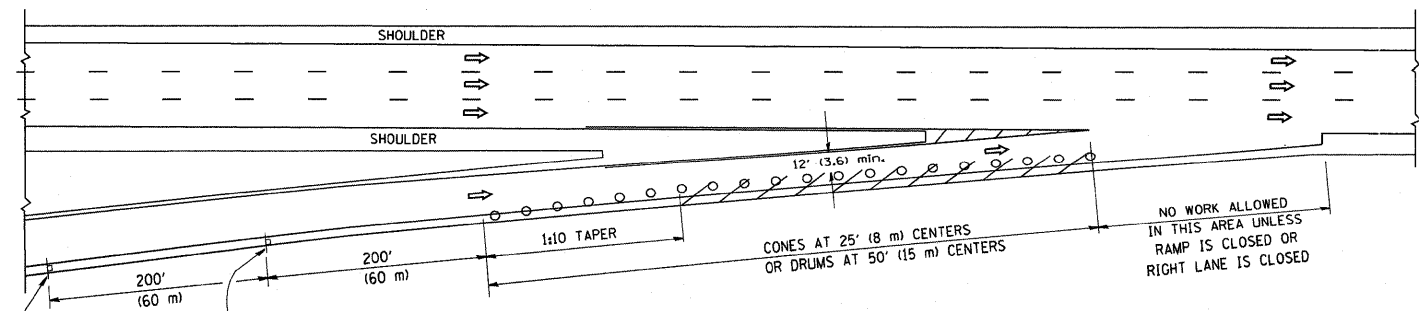
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" 15' 6" (4.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	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))

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

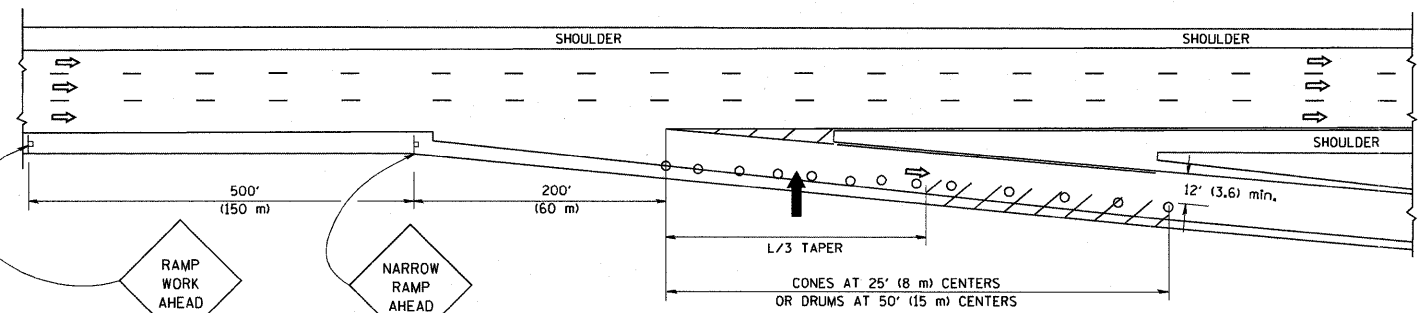
All dimensions are in inches (millimeters) unless otherwise shown.

PARTIAL RAMP CLOSURE DETAILS

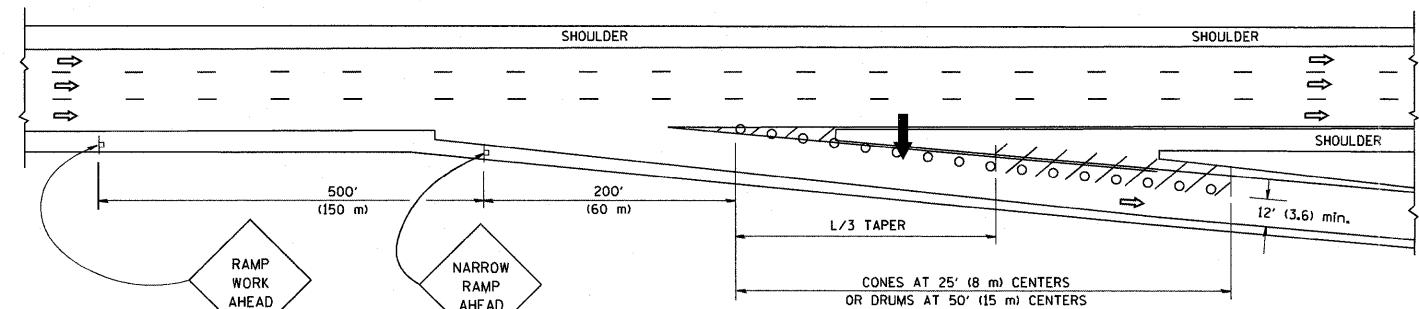
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

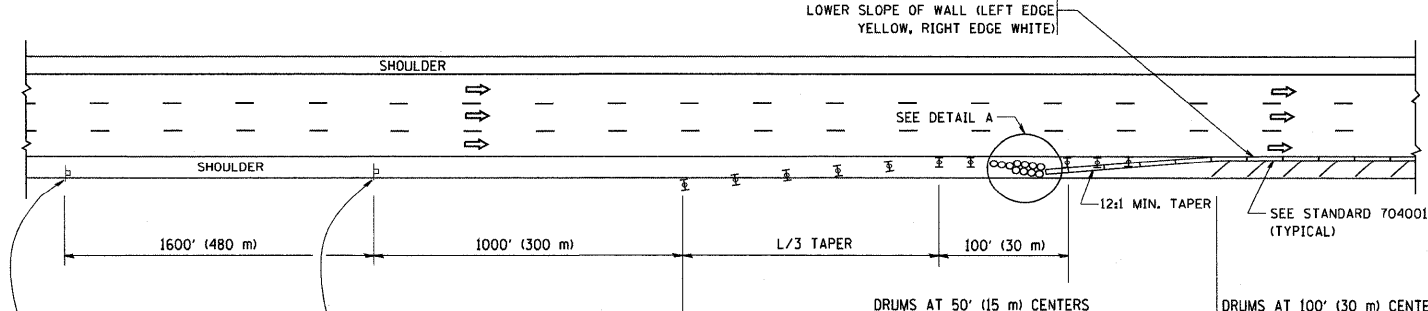
SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

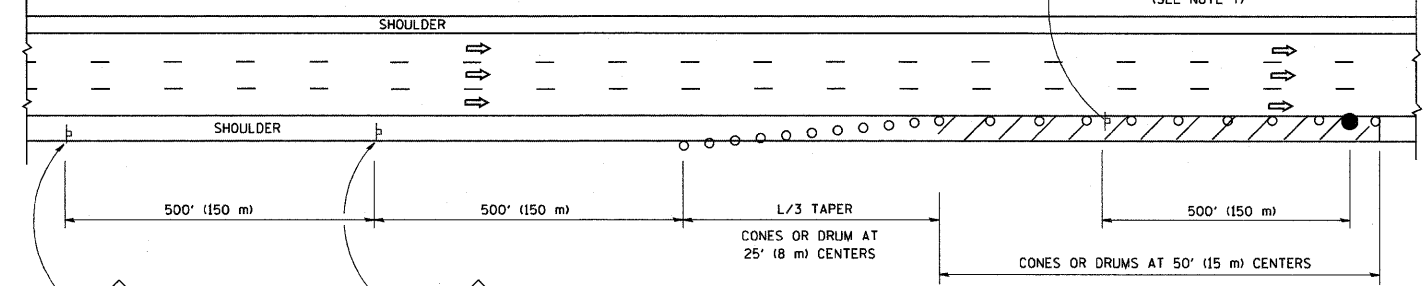
GENERAL NOTES

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. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
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.

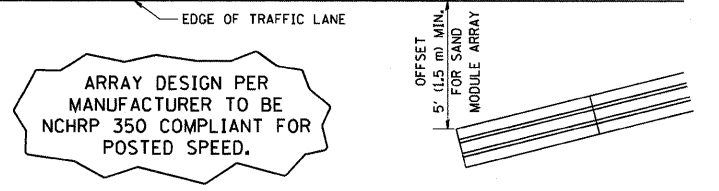


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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






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






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

FILE NAME = W:\diststd\22x34\tcl7.dgn	USER NAME = gaglianob	DESIGNED - DRAWN - D.W.S.	REVISED - J.A.F. 12-02 REVISED - 04-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 30
PLOT SCALE = 50.0000' / IN. PLOT DATE = 1/4/2008		DATE = 11-96	REVISED - J.A.F. 12-06 REVISED - S.P.B. 01-07	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		TC-17		CONTRACT NO. 60R03		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT										






ROUTE MARKERS

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

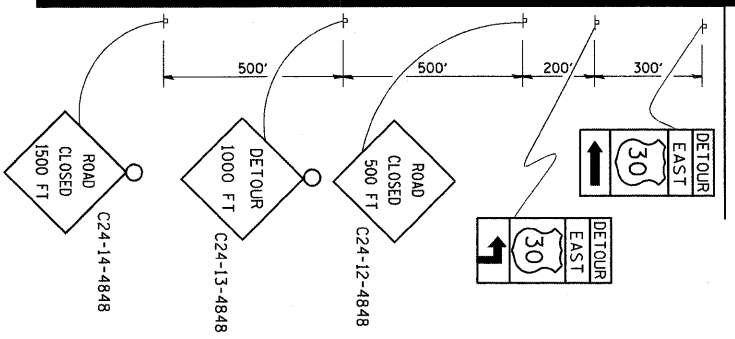
ARROWS SIGNS

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

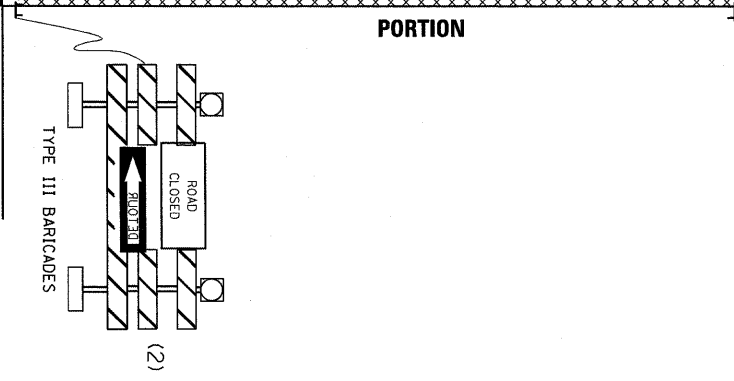
CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-219
-  EAST M3-2-219
-  SOUTH M3-3-219
-  WEST M3-4-219
-  DETOUR M1-7-219

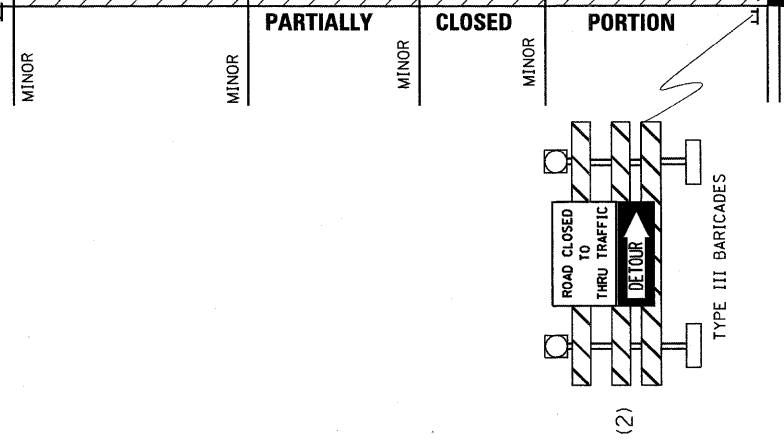
STATE ROUTE



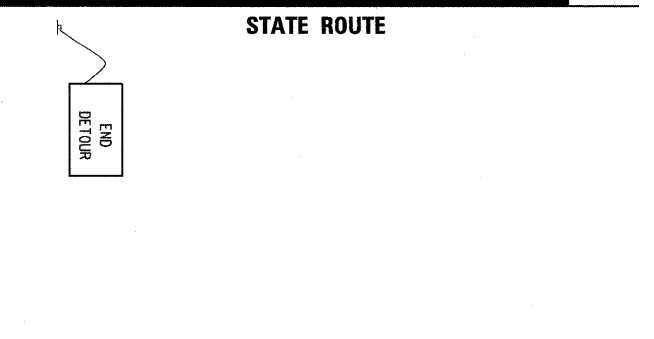
COMPLETELY CLOSED PORTION



PARTIALLY CLOSED PORTION



STATE ROUTE



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PLOT SCALE = 50.0000" / IN.
PLOT DATE = 1/4/2008

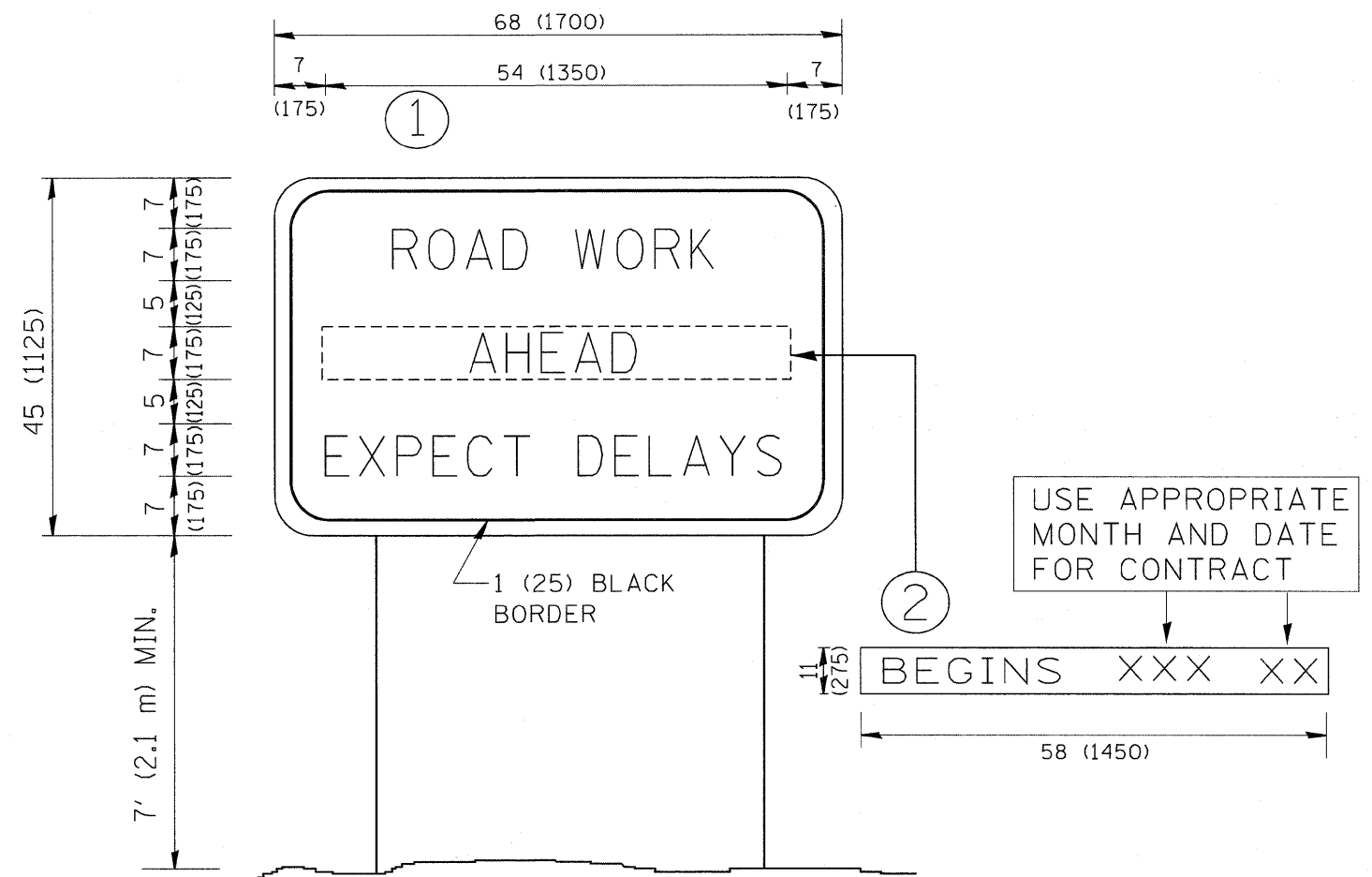
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 10-18-02
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL MARKING
FOR CLOSING STATE HIGHWAYS**
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 373	SECTION 2011-077-BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 31
TC-21			CONTRACT NO. 60R03	
FED. ROAD DIST. NO. 1 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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglent	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2011-077-BR	COOK	32	32
TC-22			CONTRACT NO. 60R03	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				