

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION: INTERSTATE F.A.I.
 ADT: 59,850 (2005), 74,480 (2021)
 DESIGN SPEED LIMIT: 50 MPH
 POSTED SPEED LIMIT: 50 MPH

SCOPE OF WORK

WITHIN THE PROJECT LIMITS SIX (6) BRIDGE STRUCTURES WILL HAVE INTERIM REPAIRS TO THE BRIDGE DECKS.

IMPROVEMENTS LOCATED IN THE CITY OF CHICAGO, COOK COUNTY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

F.A.I. RTE. 55 / I-55
 SECTION: 1818 (.31 H & .32 H) I-4
 PRAIRIE AVE. TO ICG RR (AT LSD)
 BRIDGE DECK REPAIRS
 COOK COUNTY
 C-91-277-07

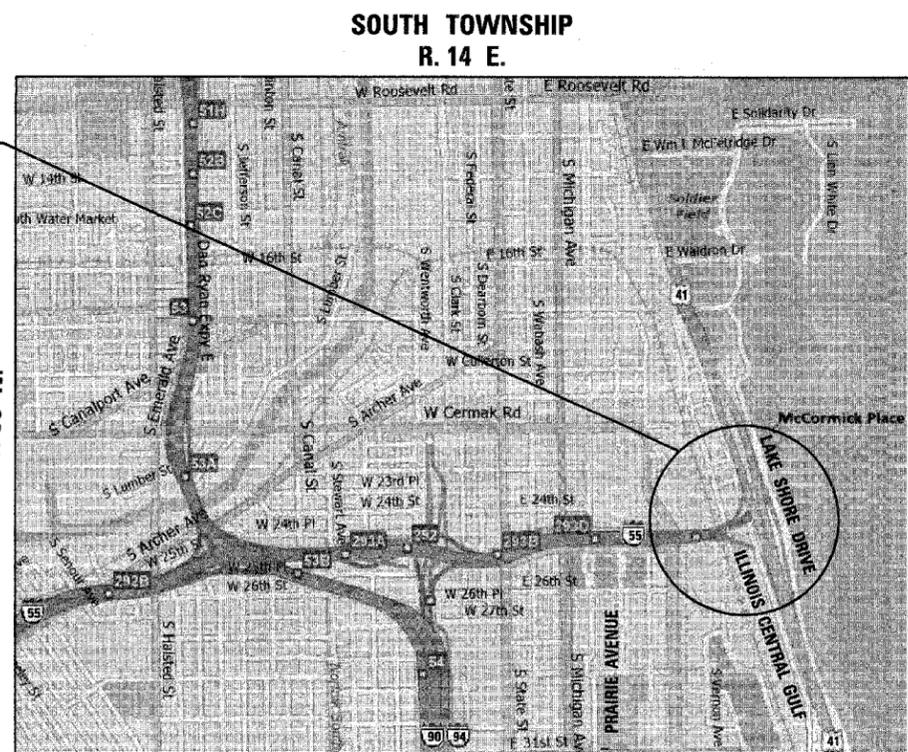
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	1
STA.		TO STA.		1+28
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92
D-91-277-07

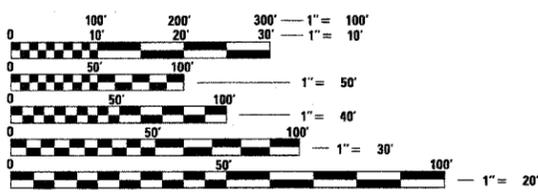


LOCATION OF SECTION INDICATED THIS: - [shaded area] -

LOCATION OF WORK:
 F.A.I. 55 AT U.S. 41
 SN 016-0036, SN 016-1045
 SN 016-1048, SN 016-1052
 SN 016-1055, SN 016-1075



GROSS & NET LENGTH = 7,796 FEET = 1.478 MILES



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.

C.U.A.N.
 CHICAGO UTILITY ALERT NETWORK
 1-312-744-7000

CONTRACT NO. 60C92



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS / PLANNERS / SURVEYORS
 211 W. WACKER DRIVE CHICAGO, IL 60606
 TELEPHONE: 312-372-2023



Bhadresh N. Shah APRIL 11, 2008
 BHADRESH N. SHAH
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS LIC. No. 081-004476
 EXPIRES: 11-30-08

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED April 17, 2008
Diane M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER
May 9, 2008
Eric E. Harms ENGINEER OF DESIGN AND ENVIRONMENT
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

DISTRICT ONE - DESIGN PROJECT MANAGER: ISAAC KWARTENG (847) 705-4230

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SITE PLAN
5	SUGGESTED STAGE I CONSTRUCTION
6	SUGGESTED STAGE IIA CONSTRUCTION
6A	SUGGESTED STAGE IIB CONSTRUCTION
7	SUGGESTED STAGE IIIA CONSTRUCTION
7A	SUGGESTED STAGE IIIB CONSTRUCTION
8	DETOUR PLAN - STAGE IIIB
9	DETOUR PLAN - STAGE IIIB
S.N. 016-0036	
10	GENERAL PLAN & ELEVATION
11	DECK CONCRETE PATCHING
S.N. 016-1045	
12	GENERAL PLAN & ELEVATION
13	DECK CONCRETE PATCHING
S.N. 016-1048	
14	GENERAL PLAN & ELEVATION
15	DECK CONCRETE PATCHING
S.N. 016-1052	
16	GENERAL PLAN & ELEVATION
17	DECK CONCRETE PATCHING
S.N. 016-1055	
18	GENERAL PLAN & ELEVATION
19	DECK CONCRETE PATCHING
S.N. 016-1075	
20	GENERAL PLAN & ELEVATION
21	DECK CONCRETE PATCHING
22	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAIL
23	TRAFFIC CONTROL DETAILS FOR FREWAY CENTER LANE CLOSURE & SHOULDER CLOSURE (TC25)
24	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE (TC9)
25	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES (TC17)
26	PROTECTIVE SHIELD (PERMANENT) (PPS1)

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
420401-00	BRIDGE APPROACH PAVEMENT
442001-04	CLASS A PATCHES
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-04	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-04	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
701446	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECIEVED FROM I.D.O.T. FIELD MAINTENANCE ENGINEERS.
- THE CONTRACTOR MUST USE EXTREME CAUTION DURING FULL DEPTH DECK SLAB REPAIR AND MUST NOT NICK, CUT OR DAMAGE, IN ANY WAY, ANY OF THE STEEL BEAMS. THE EXISTING REINFORCEMENT BARS SHALL BE CLEANED. IF ANY OF THESE REINFORCEMENT BARS ARE DAMAGED THEY MUST BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. THE COST OF THIS WORK IS INCLUDED WITH DECK SLAB REPAIR (FULL DEPTH, TYPE II) .
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 AT LEAST 72 HOURS PRIOR TO INSTALLATION OF THE TEMPORARY TRAFFIC CONTROL DEVICES.
- THESE ARE ELECTRICAL CONDUITS AND/OR FIBERGLASS DRAIN PIPES ATTACHED TO THE BOTTOM OF THE BRIDGE DECK. THE CONTRACTOR MAY MODIFY THE FORMING AND MUST EXERCISE EXTREME CAUTION DURING FULL DEPTH REPAIR BREAK OUT AND SHALL TEMPORARILY SUPPORT THE CONDUITS AND/OR DRAIN PIPES IF NEED BE, AT NO ADDITIONAL COST TO THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR MUST EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
- 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 THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL C.U.A.N. AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- TO COORDINATE ACCESS TO THE McCORMICK PLACE PARKING LOT CALL PHIL JORDAN AT (312) 808-3165.
- DURING INSTALLATION OF THE PROTECTIVE SHIELD OVER THE McCORMICK PLACE PARKING LOT, THE CONTRACTOR MUST COORDINATE WITH THE McCORMICK PLACE PARKING LOT AUTHORITY AS TO AVOID ANY AND ALL CONFLICTS DURING THIS INSTALLATION.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL ADJUST THE PROTECTIVE SHIELDING TO RIDE ABOVE THE EXISTING CITY OF CHICAGO BUREAU OF ELECTRICITY LIGHTING FIXTURES IN ORDER TO MAINTAIN THE EXISTING LEVEL OF LIGHTING OF THE ROADWAY UNDERNEATH. DETAILS SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. A CLEARANCE OF 1 1/2" (1/4"±) AROUND THE FIXTURE SHALL BE PROVIDED FOR THE FUTURE MAINTENANCE.
- ANY DAMAGES TO THE CONDUITS OR PIPES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.
- ALL PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE) SHALL BE LOW PROFILE.
- THE CONTRACTOR SHALL COORDINATE AND/OR MODIFY THE WORK SCHEDULE AS DIRECTED BY THE DEPARTMENT TO ACCOMMODATE SPECIAL EVENTS.
- PROTECTIVE SHIELDING (PERMANENT) MUST BE INSTALLED PRIOR TO ANY PATCHING OVER THE RAILROAD RIGHT OF WAY.
- THE CONTRACTOR SHALL USED PP4 OR PP5 CONCRETE MIXTURES FOR THE PATCHING DURING STAGE IIIA. THE COST OF USING THESE MIXTURES SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR " DECK SLAB REPAIR (FULL DEPTH, TYPE II) AND DECK SLAB REPAIR (PARTIAL DEPTH).

SCOPE OF WORK:

- PLACE PROTECTIVE SHEILDING (PERMANENT)
- PERFORM DECK SLAB REPAIRS AND APPROACH SLAB REPAIRS.
- REPLACE ACCESS DOORS.
- REPLACE PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY BRIDGE REPAIRS. NOMINAL QUANTITIES HAVE BEEN INCLUDED IN THIS CONTRACT FOR THIS WORK.

NOTE: BOXED ITEMS ARE INCIDENTAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS,
LIST OF STATE STANDARDS
AND GENERAL NOTES
F.A.I. RTE. I-55

SCALE: NONE
DATE: APRIL 23, 2008

DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO.	ITEM	UNIT		S.N. 016-0036 FUNDS	S.N. 016-1045 FUNDS	S.N. 016-1048 FUNDS	S.N. 016-1052 FUNDS	S.N. 016-1055 FUNDS	S.N. 016-1075 FUNDS
				SFTY-2A	SFTY-2A	SFTY-2A	SFTY-2A	SFTY-2A	SFTY-2A
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ. YD.	8	8	-	-	-	-	-
44213200	SAW CUTS	FOOT	144	144	-	-	-	-	-
50157301	PROTECTIVE SHIELD (PERMANENT)	SQ. YD.	5,890	636	686	-	1,878	480	2,210
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO.	3	0.5	0.5	0.5	0.5	0.5	0.5
67100100	MOBILIZATION	L. SUM	1	0.17	0.17	0.17	0.17	0.16	0.16
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	-	0.5	-	0.5	-	-
70106800	CHANGEABLE MESSAGE SIGN	CAL. MO.	9	2	2	2	1	1	1
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,200	200	200	200	200	200	200
* 78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	1,200	200	200	200	200	200	200
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	72	12	12	12	12	12	12
X0321316	ACCESS DOOR	EACH	2	1	-	-	-	1	-
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L. SUM	1	0.17	0.17	0.17	0.17	0.16	0.16
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ. YD.	24	24	-	-	-	-	-
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	161	33	7	45	42	20	14
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ. YD.	251	32	13	55	36	42	73
Z0048665	RAILROAD PROTECTION LIABILITY INSURANCE	L. SUM	1	0.25	0.25	-	0.25	0.25	-

* Specialty Items

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
F.A.I. RTE. 55

SCALE: NONE
DATE: APRIL 23, 2008

DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.

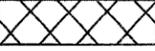
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

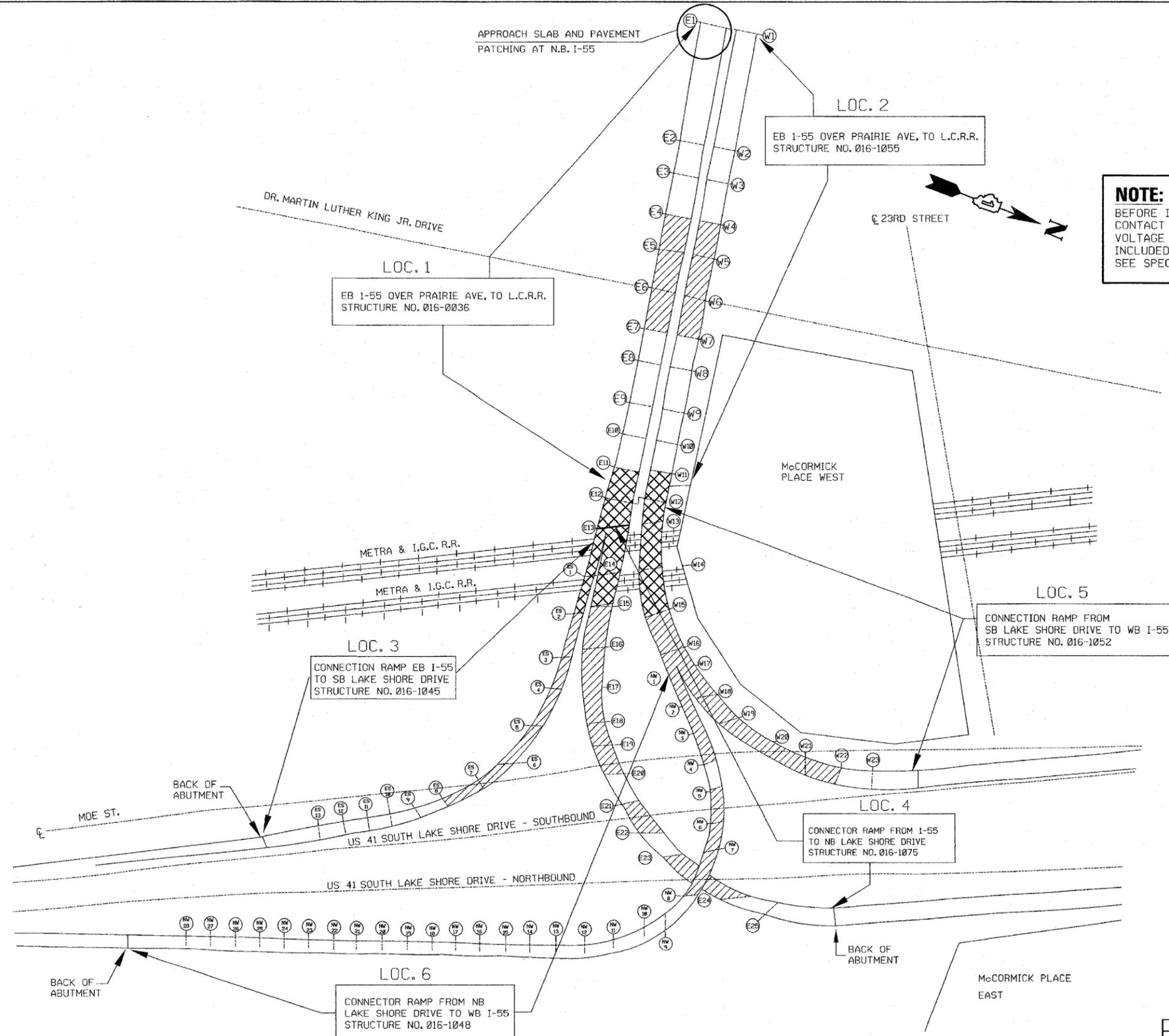
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

NOTE:
 BEFORE INSTALLATION OF PROTECTIVE SHIELD, THE CONTRACTOR SHALL CONTACT METRA FOR DE-ENERGIZING SCHEDULE FOR THE OVERHEAD HIGH VOLTAGE D.C. SYSTEM. THE COST OF THE DE-ENERGIZING SHALL BE INCLUDED IN THE BID PRICE FOR PROTECTIVE SHIELDING (PERMANENT). SEE SPECIAL PROVISION FOR 'PERMANENT PROTECTIVE SHIELD SYSTEM'.

NOTES:
 PLACE PROTECTIVE SHIELD (PERMANENT) BETWEEN SPANS W11 TO W15 AND BETWEEN SPANS E11 TO E14 (ES2).
 WHEN PLACING THE PROTECTIVE SHIELD (PERMANENT) OVER THE METRA ELECTRIC LINE TRACKS AND THE POWER LINES, ADDITIONAL SAFETY MEASURES WILL BE REQUIRED BY METRA. THESE SAFETY MEASURES WILL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

LEGEND:
 PROPOSED PROTECTIVE SHIELD (PERMANENT)
 EXISTING PROTECTIVE SHIELDING



SITE PLAN

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SITE PLAN
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 18, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

STAGE I DECK PATCHING SCHEDULE

STRUCTURE NO.	LANE NO.	PARTIAL-DEPTH PATCHING SO. YD.	FULL - DEPTH PATCHING SO. YD.	LANE CLOSURE
016-0036	1	8	0	LANE 1 N.E.
016-1045	---	---	---	
016-1048	---	---	---	
016-1052	3	8	12	LANE 3 S.W.
016-1055	3	7	12	LANE 3 S.W.
016-1075	1	17	3	LANE 1 N.E.

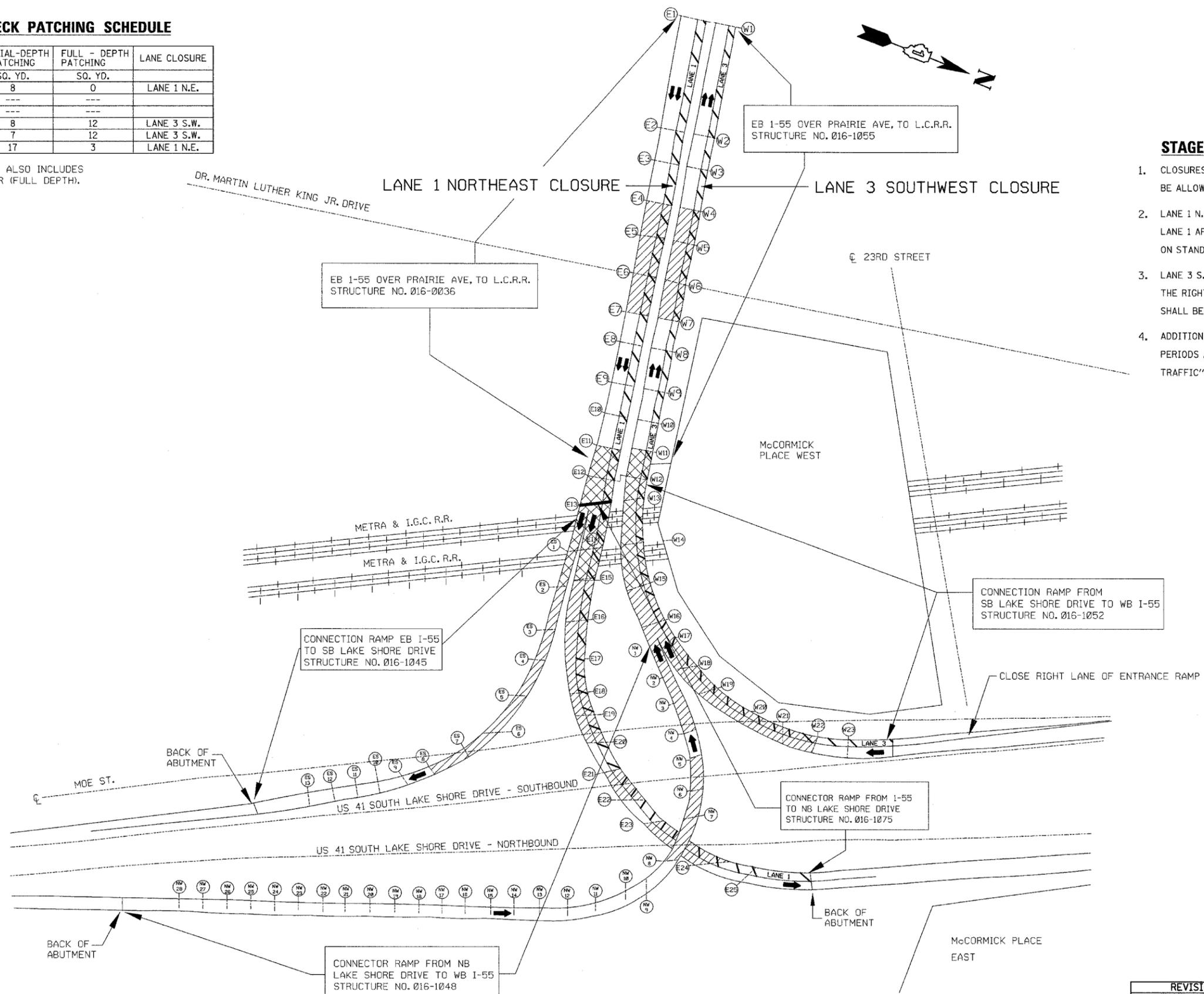
NOTE: LANE 1 N.E. WORK ALSO INCLUDES APPROACH SLAB REPAIR (FULL DEPTH).

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

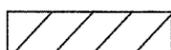
STAGE I TRAFFIC CONTROL NOTES:

1. CLOSURES OF LANE 1 N.E. BOUND I-55 AND LANE 3 S.W. BOUND I-55 WILL BE ALLOWED FROM 10:00 AM MONDAY TO 5:00 AM THURSDAY.
2. LANE 1 N.E. I-55:
LANE 1 APPROACHING THE WORK ZONE SHALL BE CLOSED AS SHOWN ON STANDARD 701401.
3. LANE 3 S.W. I-55:
THE RIGHT LANE OF THE TWO LANE ENTRANCE RAMP AND LANE 3 S.W. SHALL BE CLOSED AS SHOWN ON STANDARD 701422.
4. ADDITIONAL LANE CLOSURES WILL ONLY BE ALLOWED DURING THE PERIODS AS NOTED IN THE "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC" SPECIAL PROVISION.



STAGE I CONSTRUCTION

LEGEND:

-  PROPOSED PROTECTIVE SHIELD (PERMANENT)
-  EXISTING PROTECTIVE SHIELDING
-  WORK ZONE
-  TRAFFIC DIRECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUGGESTED STAGE I CONSTRUCTION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

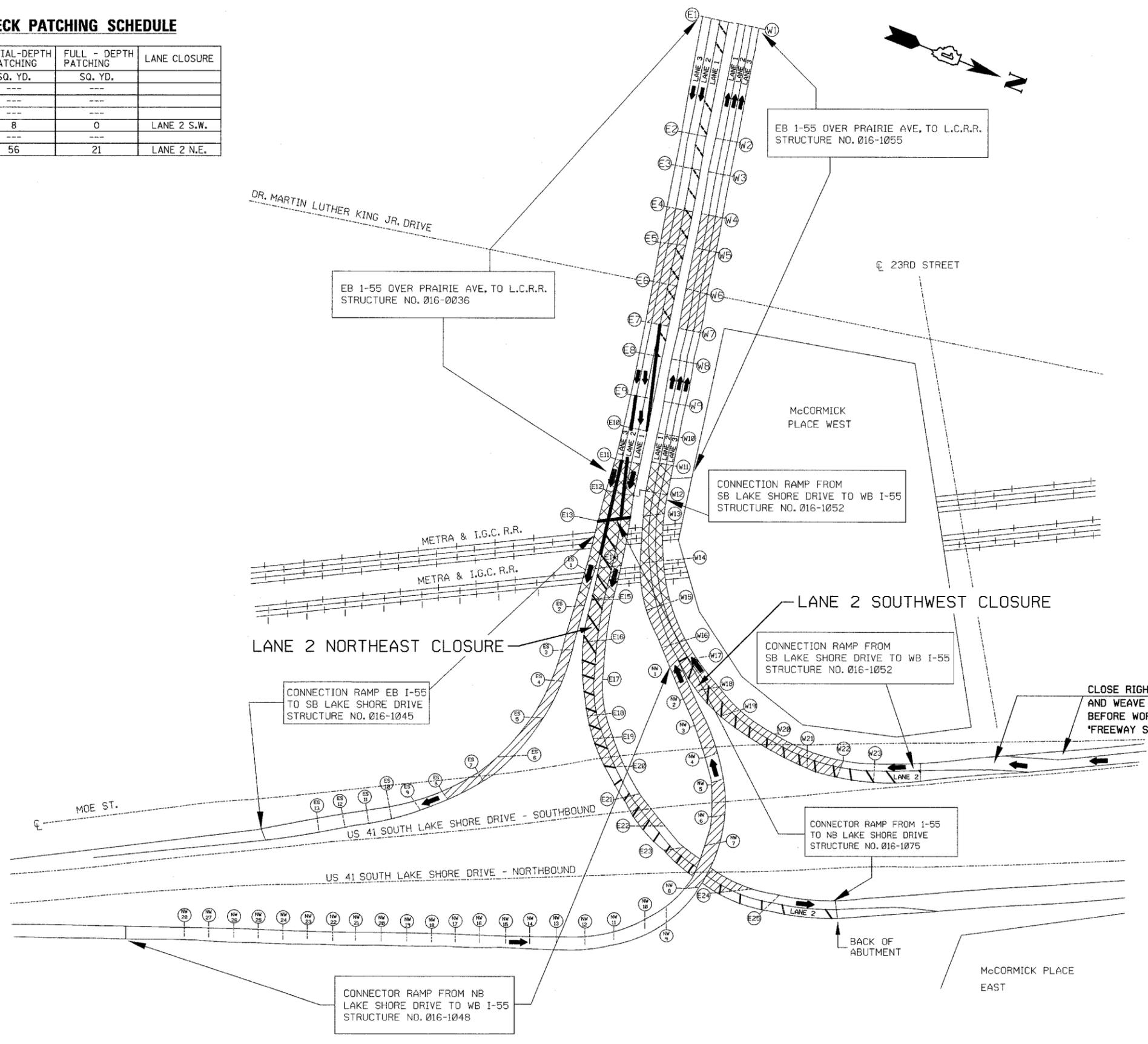
STAGE IIA DECK PATCHING SCHEDULE

STRUCTURE NO.	LANE NO.	PARTIAL-DEPTH PATCHING SQ. YD.	FULL-DEPTH PATCHING SQ. YD.	LANE CLOSURE
016-0036	---	---	---	
016-1045	---	---	---	
016-1048	---	---	---	
* 016-1052	2	8	0	LANE 2 S.W.
016-1055	---	---	---	
016-1075	2	56	21	LANE 2 N.E.

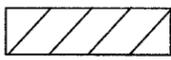
* SPAN SP 1 TO SP 7

STAGE IIA TRAFFIC CONTROL NOTES:

- LANE 2 N.E. AND LANE 2 S.W. CLOSURES:
 THE STAGE IIA CLOSURE OF LANE 2 N.E. BOUND AND LANE 2 S.W. BOUND WILL BE ALLOWED, FROM 10:00 A.M. MONDAY TO 5:00 A.M. THURSDAY.
- LANE 2 N.E. BOUND I-55:
 A. PATCHING DURING STAGE IIA WILL ONLY BE ALLOWED IN THE RIGHT LANE OF STRUCTURE 016-1075, WHERE THE LANE IS ADJACENT TO THE PARAPET WALL.
 B. TRAFFIC CONTROL:
 LANE 2 SHALL BE CLOSED AS SHOWN.
 LANE 1 SHALL BE CLOSED AND TRAFFIC APPROACHING THE WORK ZONE SHALL BE REDUCED TO TWO LANES. THE TRAFFIC IN LANE 2 WILL THEN BE SHIFTED INTO LANE 1 AS SHOWN ON THE DETAIL FOR CENTER LANE CLOSURE.
- LANE 2 S.W. BOUND I-55:
 A. PATCHING DURING STAGE IIA WILL ONLY BE ALLOWED IN THE LEFT LANE OF STRUCTURE 016-1052, WHERE THE LANE IS ADJACENT TO THE PARAPET WALL.
 B. TRAFFIC CONTROL:
 LANE 2 SHALL BE CLOSED AS SHOWN.
 THE RIGHT LANE OF THE TWO LANE ENTRANCE RAMP FROM S.B. U.S. 41 TO S.W. BOUND I-55 SHALL BE CLOSED.
 THE TRAFFIC WILL THEN WEAVE INTO THE RIGHT LANE (LANE 3) OF THE RAMP BEFORE THE WORK ZONE AS SHOWN ON THE "FREEWAY SINGLE LANE WEAVE" DETAIL.



LEGEND:

-  PROPOSED PROTECTIVE SHIELD (PERMANENT)
-  EXISTING PROTECTIVE SHIELDING
-  WORK ZONE
-  TEMP HIGHT TIME LANE CLOSURE FOR LANE 2 CONSTRUCTION ACTIVITIES
-  TRAFFIC DIRECTION

STAGE IIA CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUGGESTED STAGE IIA CONSTRUCTION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	6A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

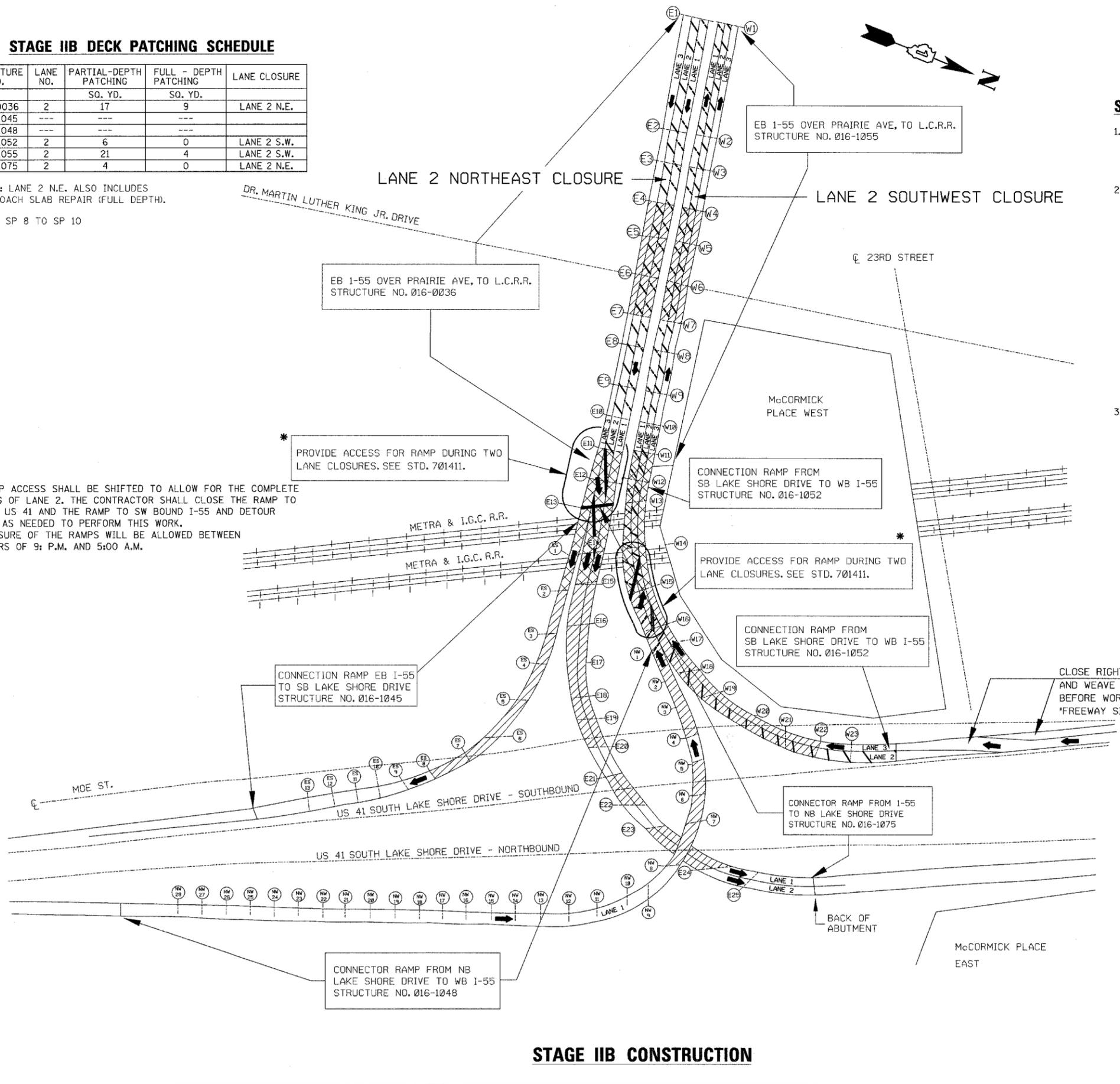
STAGE IIB DECK PATCHING SCHEDULE

STRUCTURE NO.	LANE NO.	PARTIAL-DEPTH PATCHING SQ. YD.	FULL-DEPTH PATCHING SQ. YD.	LANE CLOSURE
016-0036	2	17	9	LANE 2 N.E.
016-1045	---	---	---	
016-1048	---	---	---	
* 016-1052	2	6	0	LANE 2 S.W.
016-1055	2	21	4	LANE 2 S.W.
016-1075	2	4	0	LANE 2 N.E.

NOTE: LANE 2 N.E. ALSO INCLUDES APPROACH SLAB REPAIR (FULL DEPTH).

* SPAN SP 8 TO SP 10

* THE RAMP ACCESS SHALL BE SHIFTED TO ALLOW FOR THE COMPLETE PATCHING OF LANE 2. THE CONTRACTOR SHALL CLOSE THE RAMP TO S BOUND US 41 AND THE RAMP TO SW BOUND I-55 AND DETOUR TRAFFIC AS NEEDED TO PERFORM THIS WORK. THE CLOSURE OF THE RAMPS WILL BE ALLOWED BETWEEN THE HOURS OF 9: P.M. AND 5:00 A.M.



STAGE IIB TRAFFIC CONTROL NOTES:

- LANE 2 N.E. AND LANE 2 S.W. CLOSURES:**
 - THE STAGE IIB CLOSURE OF LANE 2 N.E. BOUND AND S.W. BOUND WILL BE ALLOWED AS SHOWN IN THE SPECIAL PROVISIONS.
- LANE 2 N.E. BOUND I-55:**
 - A. PATCHING DURING STAGE IIB WILL ONLY BE ALLOWED DURING THE NIGHTTIME CLOSURE OF LANE 1 N.E. THE CONTRACTOR SHALL CLOSE LANE 1 DURING THE TIME SPECIFIED IN THE SPECIAL PROVISION "KEEPING EXPRESSWAY OPEN TO TRAFFIC".
 - B. TRAFFIC CONTROL: DURING CONSTRUCTION ACTIVITIES, ONE LANE OF TRAFFIC SHALL BE MAINTAINED IN LANE 3 AS SHOWN ON STANDARD 701446.
 - C. DURING THE CLOSURE OF LANE 1, THE CONTRACTOR SHALL PROVIDE ACCESS TO THE N.B. U.S. 41 RAMP FROM LANE 3 AS SHOWN ON STANDARD 701411.
 - D. WHEN NO CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN LANE 2, LANE 1 SHALL BE OPEN. THE TRAFFIC SHALL BE MAINTAINED AS SHOWN ON THE "TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE" DETAIL.
- LANE 2 S.W. BOUND I-55:**
 - A. PATCHING DURING STAGE IIB WILL ONLY BE ALLOWED DURING THE NIGHTTIME CLOSURE OF LANE 1 S.W. THE CONTRACTOR SHALL CLOSE LANE 1 DURING THE TIME SPECIFIED IN THE SPECIAL PROVISION "KEEPING EXPRESSWAY OPEN TO TRAFFIC".
 - B. TRAFFIC CONTROL: DURING CONSTRUCTION ACTIVITIES, ONE LANE OF TRAFFIC SHALL BE MAINTAINED IN LANE 3. THE RIGHT LANE OF THE TWO LANE ENTRANCE RAMP FROM S.B. U.S. 41 TO S.W. BOUND I-55 SHALL BE CLOSED. THE TRAFFIC WILL THEN WEAVE INTO THE RIGHT LANE (LANE 3) OF THE RAMP BEFORE THE WORK ZONE AS SHOWN ON THE "FREEWAY SINGLE LANE WEAVE" DETAIL. THIS LANE CONFIGURATION SHALL BE MAINTAINED UNTIL LANE 2 IS OPENED TO TRAFFIC.
 - C. DURING THE CLOSURE OF LANE 1, THE CONTRACTOR SHALL PROVIDE ACCESS TO LANE 3 FROM THE N.B. U.S. 41 RAMP AS SHOWN ON THE STANDARD 701411.
 - D. WHEN NO CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN LANE 2, LANE 1 SHALL BE OPEN TO TRAFFIC.

LEGEND:

- PROPOSED PROTECTIVE SHIELD (PERMANENT)
- EXISTING PROTECTIVE SHIELDING
- WORK ZONE
- TEMP. NIGHT TIME LANE CLOSURE FOR LANE 2 CONSTRUCTION ACTIVITIES
- TRAFFIC DIRECTION

STAGE IIB CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUGGESTED STAGE IIB CONSTRUCTION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

STAGE IIIA DECK PATCHING SCHEDULE

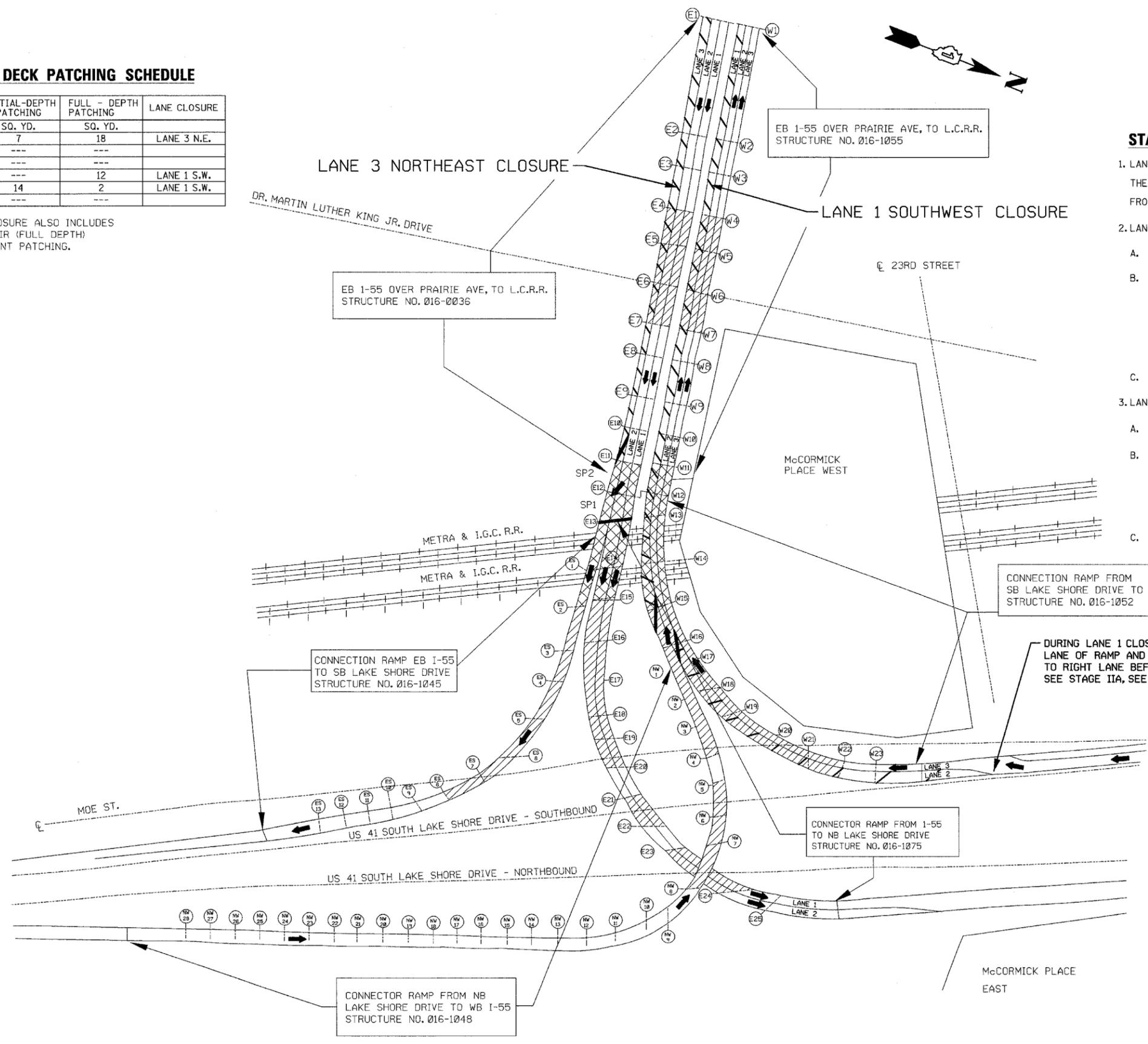
STRUCTURE NO.	LANE NO.	PARTIAL-DEPTH PATCHING SQ. YD.	FULL-DEPTH PATCHING SQ. YD.	LANE CLOSURE
* 016-0036	3	7	18	LANE 3 N.E.
016-1045	---	---	---	---
016-1048	---	---	---	---
** 016-1052	1	---	12	LANE 1 S.W.
016-1055	1	14	2	LANE 1 S.W.
016-1075	---	---	---	---

NOTE: LANE 3 N.E. CLOSURE ALSO INCLUDES APPROACH SLAB REPAIR (FULL DEPTH) AND CLASS C PAVEMENT PATCHING.

- * SPAN SP 3 TO SP 13
- ** SPAN SP 8 TO SP 10

STAGE IIIA TRAFFIC CONTROL NOTES:

1. LANE 3 N.E. AND LANE 1 S.W. CLOSURES:
 THE STAGE IIIA CLOSURE OF LANE 3 N.E. BOUND AND LANE 1 S.W. BOUND WILL BE ALLOWED FROM 10:00 A.M. MONDAY TO 5:00 A.M. THURSDAY.
2. LANE 3 CLOSURE N.E. BOUND I-55:
 A. PATCHING DURING STAGE IIIA WILL BE DONE IN LANE 3 N.E. BOUND.
 B. TRAFFIC CONTROL:
 TRAFFIC APPROACHING THE WORK ZONE SHALL BE REDUCED TO TWO LANES AS SHOWN ON STANDARD 701401. LANE 2 CLOSURE, IF NEEDED, WILL BE ALLOWED DURING THE HOURS LISTED IN THE SPECIAL PROVISIONS. STANDARD 701446 SHALL BE USED TO REDUCE TRAFFIC TO ONE LANE AS NEEDED DURING THE CLOSURE OF LANE 2.
 C. THE RAMP TO S.B. U.S. 41 SHALL REMAIN OPEN DURING THIS STAGE.
3. LANE 1 CLOSURE S.W. BOUND I-55:
 A. PATCHING DURING STAGE IIIA WILL BE DONE IN LANE 1 S.W. BOUND.
 B. TRAFFIC CONTROL:
 THE RIGHT LANE OF THE TWO LANE ENTRANCE RAMP FROM S.B. U.S. 41 TO S.W. BOUND I-55 SHALL BE CLOSED. THE TRAFFIC WILL THEN WEAVE INTO THE RIGHT LANE OF THE RAMP BEFORE THE WORK ZONE AS SHOWN ON THE "FREEWAY SINGLE LANE WEAVE" DETAIL.
 C. THE RAMP FROM N.B. U.S. 41 SHALL REMAIN OPEN DURING THIS STAGE.



STAGE IIIA CONSTRUCTION

LEGEND:

- PROPOSED PROTECTIVE SHIELD (PERMANENT)
- EXISTING PROTECTIVE SHIELDING
- WORK ZONE
- TRAFFIC DIRECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUGGESTED STAGE IIIA CONSTRUCTION
 I-55 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H) I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

STAGE IIIB DECK PATCHING SCHEDULE

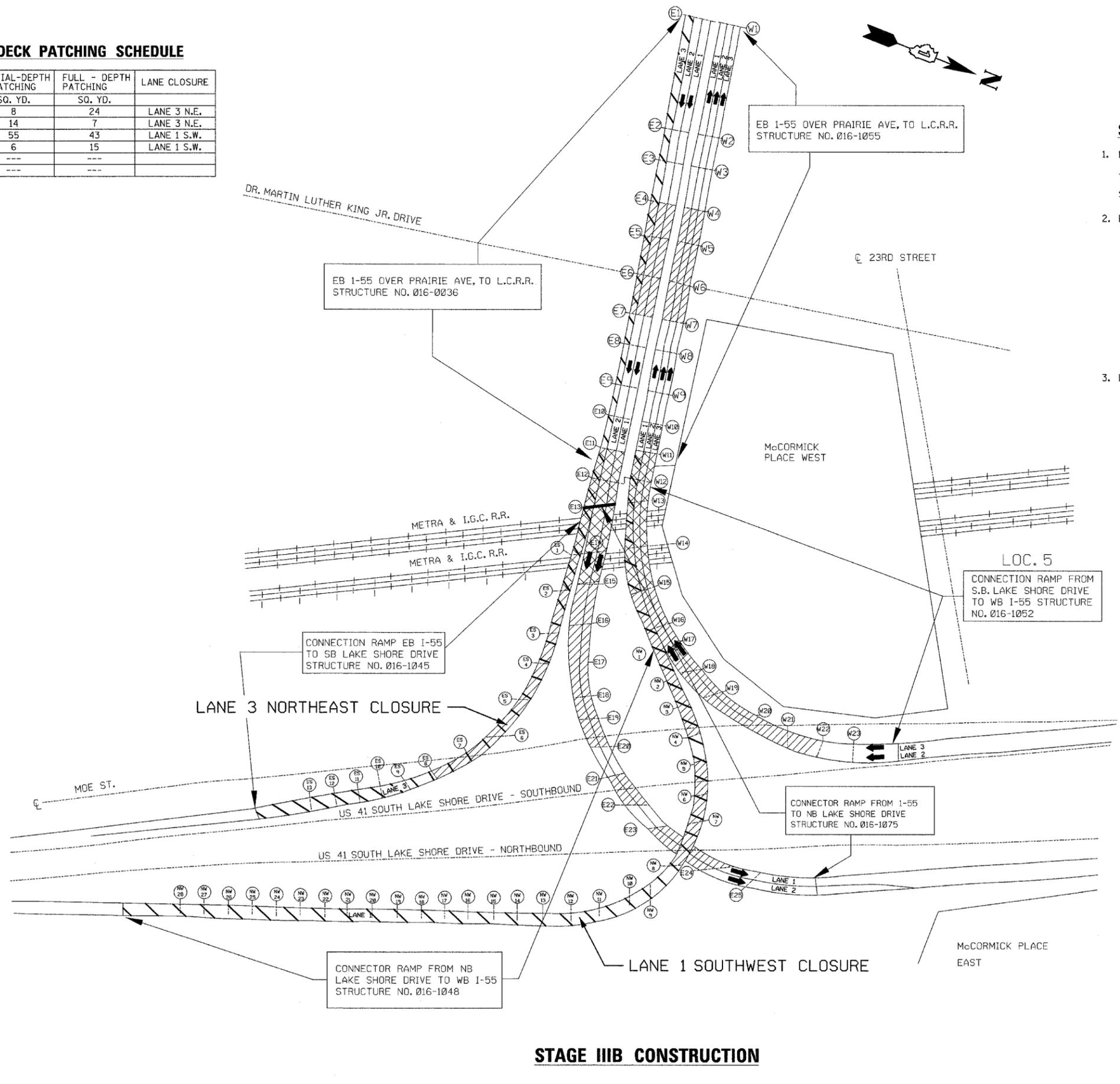
STRUCTURE NO.	LANE NO.	PARTIAL-DEPTH PATCHING	FULL - DEPTH PATCHING	LANE CLOSURE
		SQ. YD.	SQ. YD.	
016-0036	3	8	24	LANE 3 N.E.
016-1045	RAMP	14	7	LANE 3 N.E.
016-1048	RAMP	55	43	LANE 1 S.W.
016-1052	1	6	15	LANE 1 S.W.
016-1055	---	---	---	---
016-1075	---	---	---	---

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	7A
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

STAGE IIIB TRAFFIC CONTROL NOTES:

- LANE 3 N.E. AND LANE 1 S.W. CLOSURES:
 THE CLOSURE OF LANE 3 N.E. BOUND AND LANE 1 S.W. BOUND I-55 WILL BE ALLOWED, ON SEPARATE WEEKENDS, FROM 11:00 P.M. FRIDAY TO 5:00 A.M. MONDAY.
- LANE 3 CLOSURE N.E. BOUND I-55 & S.B. U.S. 41 RAMP:
 - THIS WORK SHALL CONSIST OF THE CLOSURE OF LANE 3 N.E. AND THE RAMP TO S.B. U.S. 41 (STR. NO. 016-1045).
 - TRAFFIC CONTROL:
 TRAFFIC APPROACHING THE WORK ZONE SHALL BE REDUCED TO TWO LANES AS SHOWN ON STANDARD 701401.
 - THE RAMP TRAFFIC SHALL BE DETOURED AS SHOWN ON THE "DETOUR PLAN- STAGE IIIB" DRAWING SHOWN ON SHEET NO. 8.
- LANE 1 CLOSURE S.W. BOUND I-55 & N.B. U.S. 41 RAMP:
 - THIS WORK SHALL CONSIST OF THE CLOSURE OF LANE 1 S.W. AND THE RAMP FROM N.B. U.S. 41 (STR. NO. 016-1048).
 - TRAFFIC CONTROL:
 THE ENTRANCE OF THE N.B. U.S. 41 RAMP SHALL BE CLOSED AS SHOWN ON THE "ENTRANCE AND EXIT RAMP CLOSURE DETAIL".
 - THE RAMP TRAFFIC SHALL BE DETOURED AS SHOWN ON THE "DETOUR PLAN - STAGE IIIB" DRAWING SHOWN ON SHEET NO. 9.



STAGE IIIB CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUGGESTED STAGE IIIB CONSTRUCTION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

- NOTES:
- ALL SIGN DIMENSIONS ARE SHOWN IN INCHES.
 - ALL SIGNS TO BE ORANGE BACKGROUND WITH BLACK LETTERING.



- | | |
|---|---|
| <p>(A)</p> <p>M4-8
(24 x 12)</p> | <p>(B)</p> <p>M4-8a
(24 x 18)</p> |
| <p>(C)</p> <p>M3-3
(21 x 9)</p> | <p>(D)</p> <p>M1-1
(24 x 24)</p> |
| <p>(F)</p> <p>M5-1(L)
(21 x 15)</p> | <p>(G)</p> <p>M6-1(L)
(21 x 15)</p> |
| <p>(H)</p> <p>M6-3
(21 x 15)</p> | <p>(I)</p> <p>M6-2(R)
(21 x 15)</p> |

(E)

M1-4
(24 x 24)

I-55

W20-2
 (48 x 48)

SB U.S. 41
 (S LAKE SHORE DR)
 RAMP CLOSED
 USE 18 TH ST

 (60 x 48)

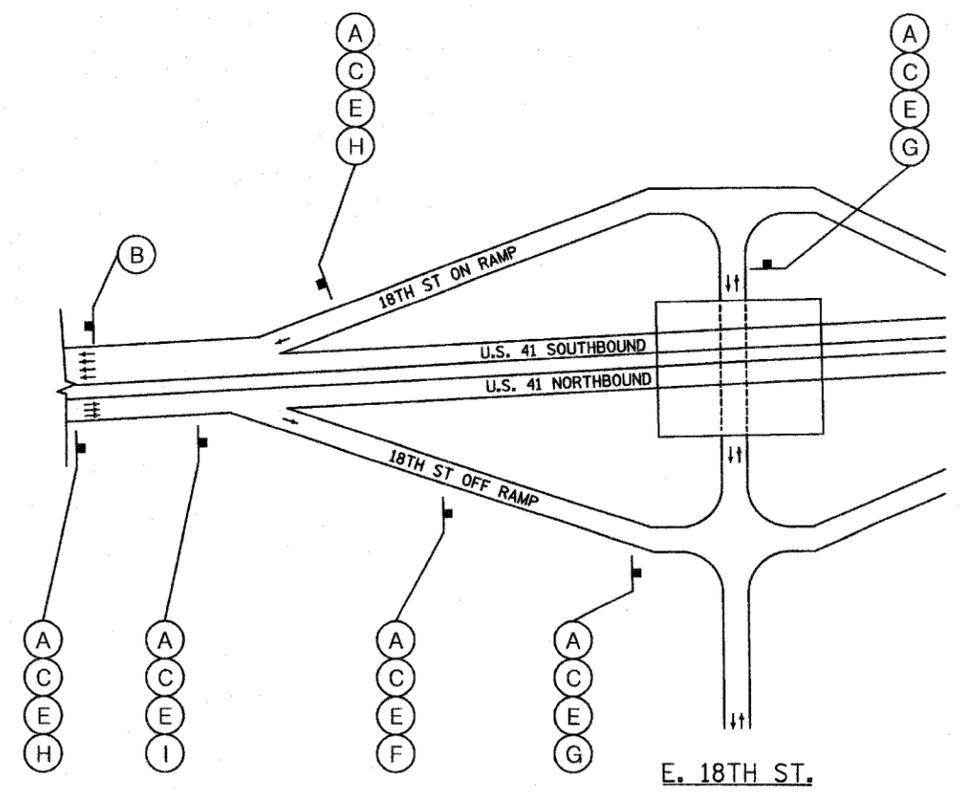
(A)
 (C)
 (E)
 (H)

STAGE III B
 RAMP & LANE 3 CLOSURES

CONNECTOR RAMP FROM
 NB I-55 TO SB US 41
 STRUCTURE NO. 016-1045

U.S. 41 SOUTHBOUND
 U.S. 41 NORTHBOUND

(A)
 (C)
 (E)
 (H)



DETOUR STAGE III B
N.B. I-55 TO S.B. U.S. 41

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETOUR PLAN - STAGE III B
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H) & .32H)I-4

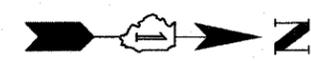
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 DATE: APRIL 18, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

NOTES:

1. ALL SIGN DIMENSIONS ARE SHOWN IN INCHES.
2. ALL SIGNS TO BE ORANGE BACKGROUND WITH BLACK LETTERING.



- A**

 M4-8
 (24 x 12)
- B**

 M4-8d
 (24 x 18)
- C**

 M3-3
 (21 x 9)
- D**

 M1-1
 (24 x 24)
- E**

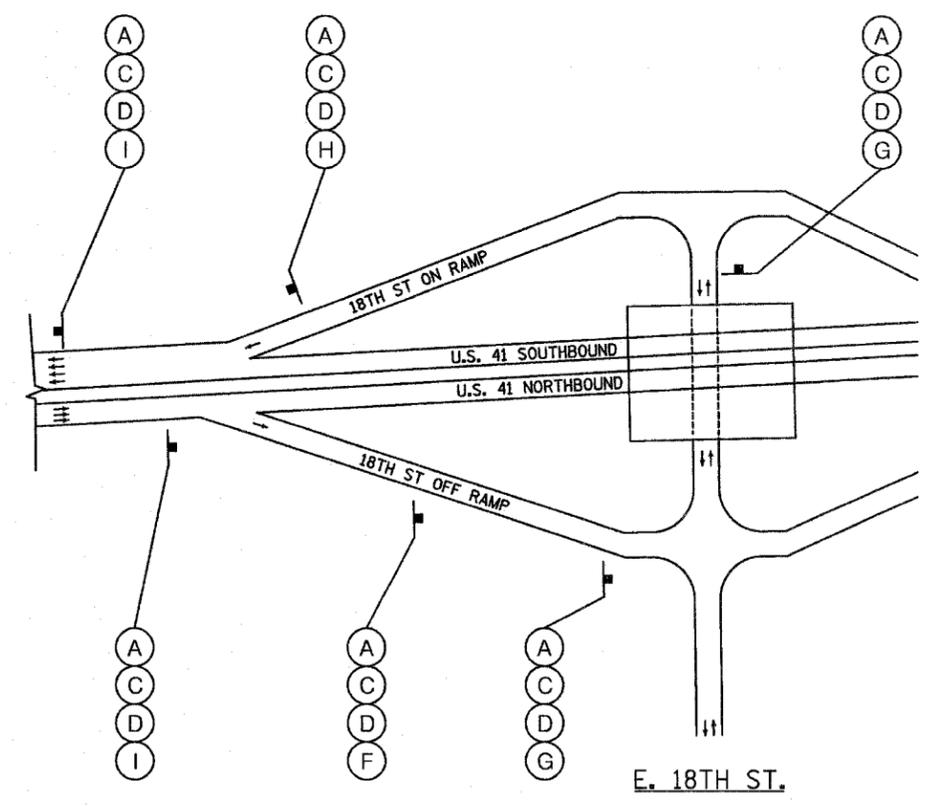
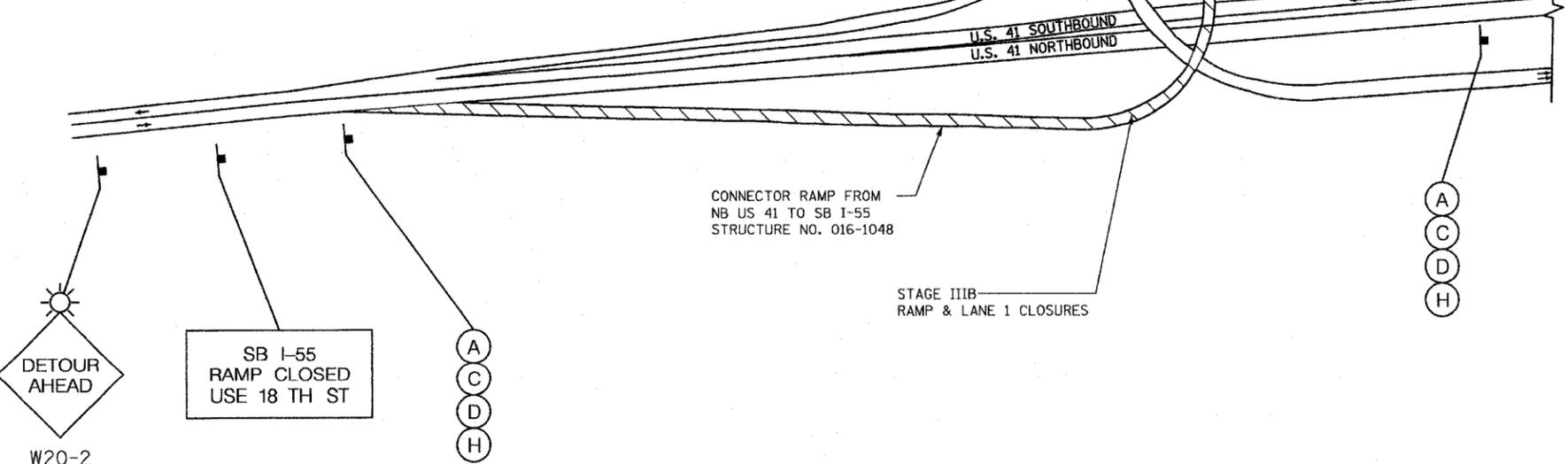
 M1-4
 (24 x 24)
- F**

 M5-1(L)
 (21 x 15)
- G**

 M6-1(L)
 (21 x 15)
- H**

 M6-3
 (21 x 15)
- I**

 M6-2(R)
 (21 x 15)



W20-2
 (48 x 48)

(60 x 48)

DETOUR STAGE III B
 N.B. U.S. 41 TO S.B. I-55

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETOUR PLAN - STAGE III B
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H) & .32H)I-4

SCALE: NONE
 DATE: APRIL 18, 2008

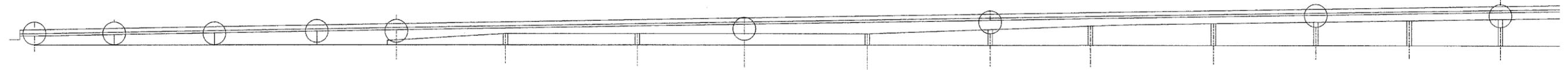
DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

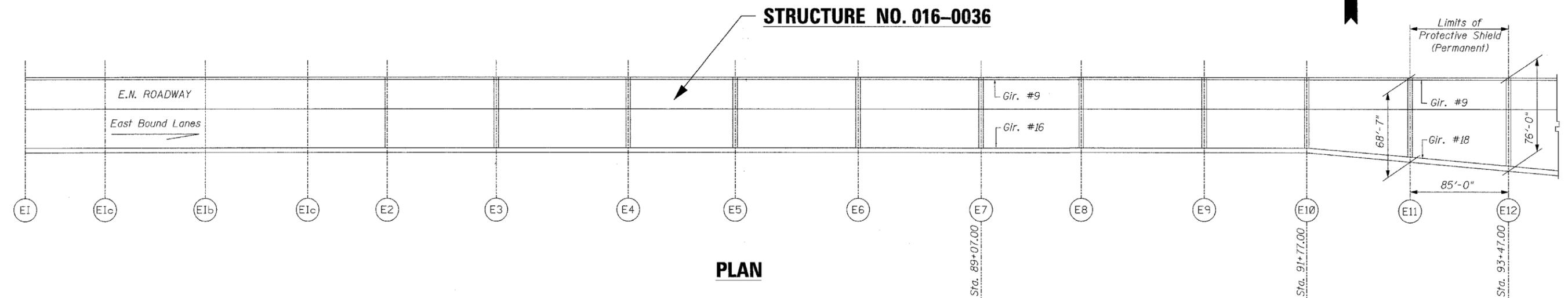
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

*1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

SN 016-0036 (E.B.) SN 016-1045 (E.B.)
 SN 016-1052 (W.B.)

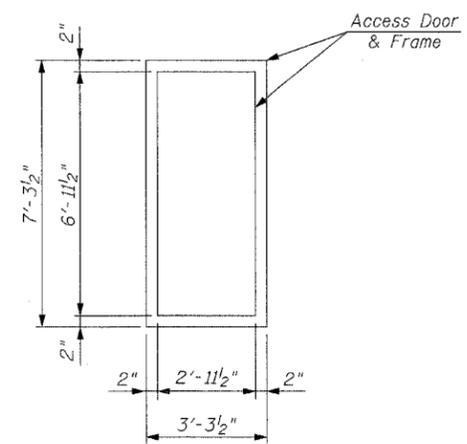


ELEVATION - E.N. ROADWAY



STRUCTURE NO. 016-0036

PLAN



ACCESS DOOR DETAIL

**BILL OF MATERIAL
 S.N. 016-0036**

ITEM	UNIT	QUANTITIES
ACCESS DOOR	EACH	1
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	33
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	32
PROTECTIVE SHIELD (PERMANENT)	SQ. YD.	636

NOTE:
 The Steel Door is located inside near the vaulted approaches at the west end of S.N. 016-0036.
 The Door is bolted with sections of guardrail.
 The Steel Door and Frame are to be replaced.

REVISIONS	
NAME	DATE

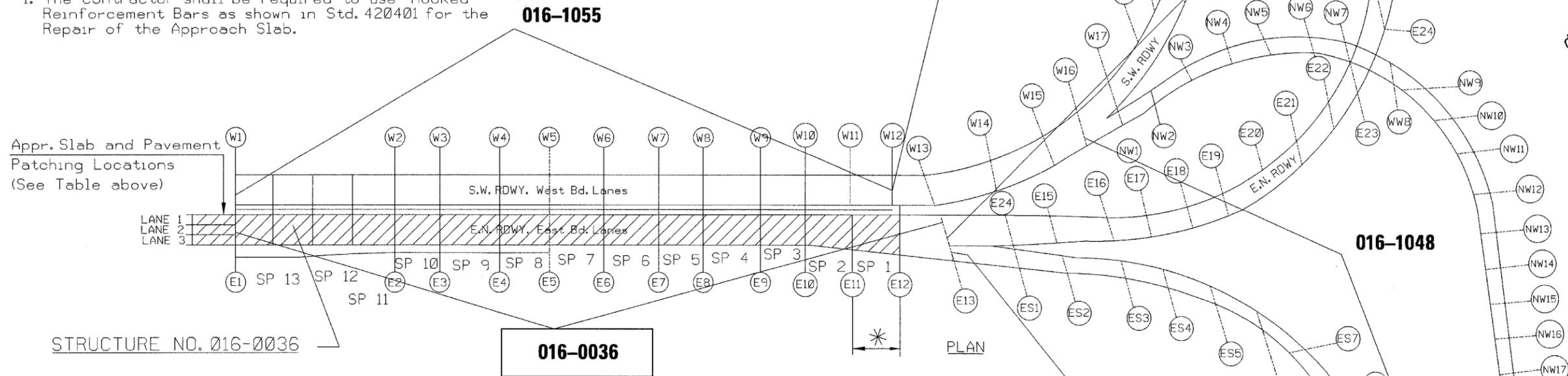
ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN & ELEVATION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-0036
 SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

APPROACH SLAB AND PAVEMENT PATCHING
(Approach To Str. No. 016-0036)

	Unit	Lane 1	Lane 2	Lane 3	Total
Approach Slab Repair (Full Depth)	Sq. Yd.	8	8	8	24
Pavement Patching Class A, Type II, 12"	Sq. Yd.	-	-	8	8
Saw Cuts	Foot	36	36	72	144

PAVEMENT PATCHING NOTE:

- The Contractor shall be required to use "Hooked" Reinforcement Bars as shown in Std. 420401 for the Repair of the Approach Slab.



* LIMITS OF PROTECTIVE SHIELD (PERMANENT)

016-1036-I-55 EB over ML King etc.

Span Count From East to West
Span 1 between Pier E12 Pier E11

LIMITS OF STRUCTURE NO. 016-0036

Span #	Lane 1		Lane 2		Lane 3	
	Partial	Full	Partial	Full	Partial	Full
1	1 @ 3 ft x 3 ft = 1 SY	0	5 @ 3 ft x 3 ft = 5 SY	0	0	1 @ 5ft x 4ft & 1 @ 6ft x 5ft = 6 SY
2	2 @ 3 ft x 3 ft = 2 SY	0	1 @ 3 ft x 3 ft = 1 SY	0	1 @ 3 ft x 3 ft = 1 SY	0
3	0	0	3 @ 3 ft x 3 ft = 3 SY	0	0	0
4	2 @ 3 ft x 3 ft = 2 SY	0	1 @ 3 ft x 3 ft = 1 SY	0	2 @ 3 ft x 3 ft = 2 SY	0
5	0	0	2 @ 3 ft x 3 ft = 2 SY	1 @ 3 ft x 3 ft = 1 SY	0	1 @ 3ft x 10ft & 1 @ 3ft x 3ft = 5 SY
6	0	0	3 @ 3 ft x 3 ft = 3 SY	0	1 @ 3 ft x 3 ft = 1 SY	0
7	0	0	0	2 @ 3 ft x 3 ft = 2 SY	0	0
8	0	0	0	1 @ 6 ft x 3 ft = 2 SY 1 @ 3 ft x 3 ft = 1 SY	0	1 @ 3 ft x 3 ft = 1 SY 1 @ 3 ft x 10 ft = 4 SY
9	0	0	0	1 @ 3 ft x 3 ft = 1 SY	2 @ 3 ft x 3 ft = 2 SY	1 @ 3 ft x 3 ft = 1 SY
10	0	0	1 @ 3 ft x 3 ft = 1 SY	2 @ 3 ft x 3 ft = 2 SY	1 @ 3 ft x 3 ft = 1 SY	0
11	0	0	0	0	1 @ 3 ft x 3 ft = 1 SY	0
12	0	0	1 @ 3 ft x 3 ft = 1 SY	0	0	1 @ 6 ft x 6 ft = 4 SY 1 @ 3 ft x 6 ft = 2 SY
13	2 @ 3 ft x 3 ft = 2 SY	0	0	0	0	1 @ 3 ft x 3 ft = 1 SY
TOTAL	7 SY	0	17 SY	9 SY	8 SY	24 SY

TOTAL : PARTIAL DEPTH = 32 SY
FULL DEPTH = 33 SY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK CONCRETE PATCHING
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
COOK COUNTY
STRUCTURE NO. 016-0036

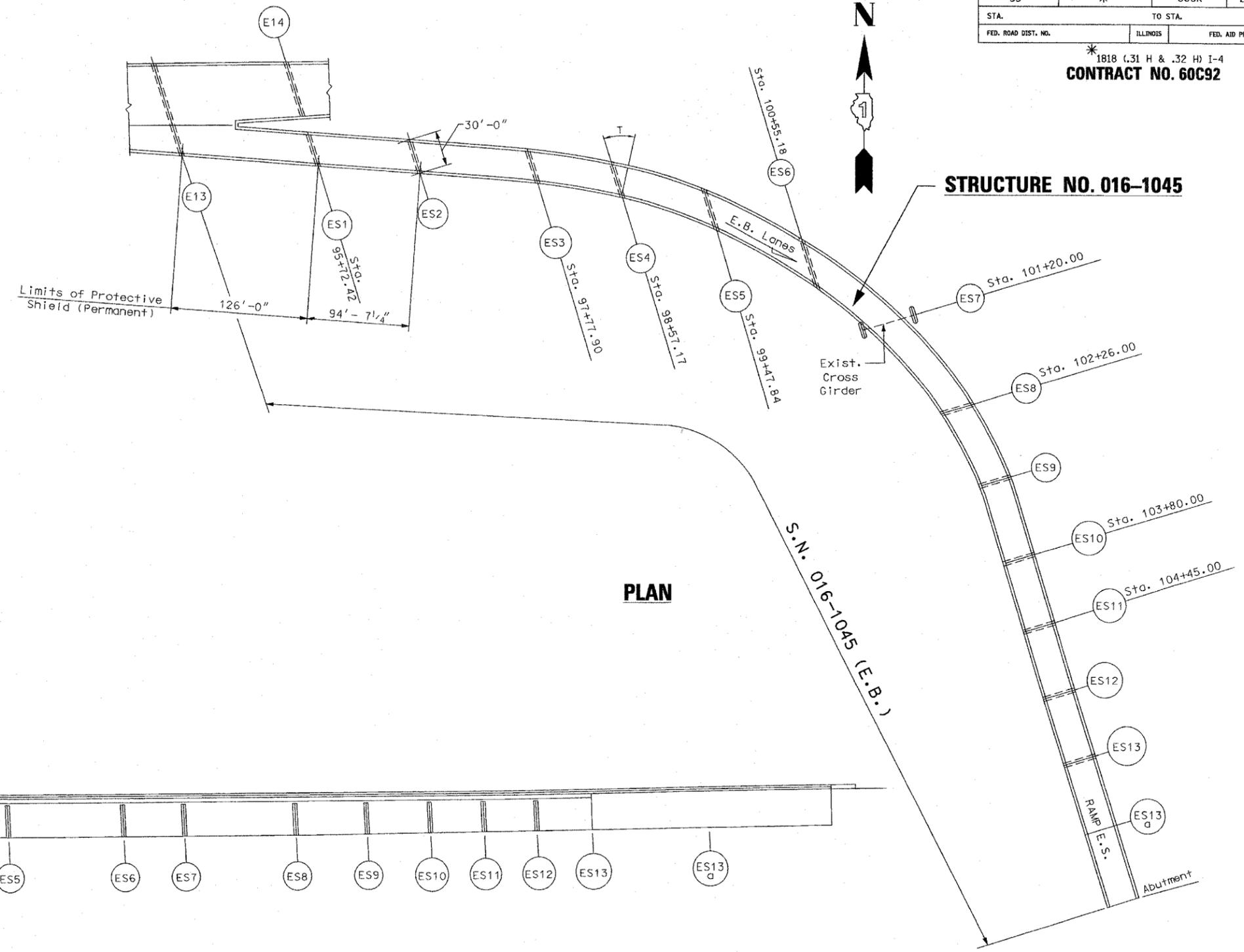
SCALE: NONE
DATE: APRIL 23, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

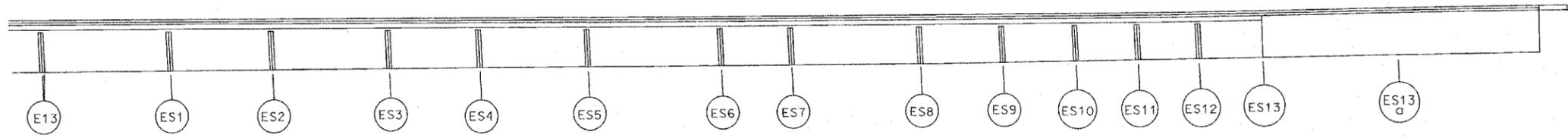
REVISIONS	
NAME	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



PLAN



ELEVATION-RAMP E.S.

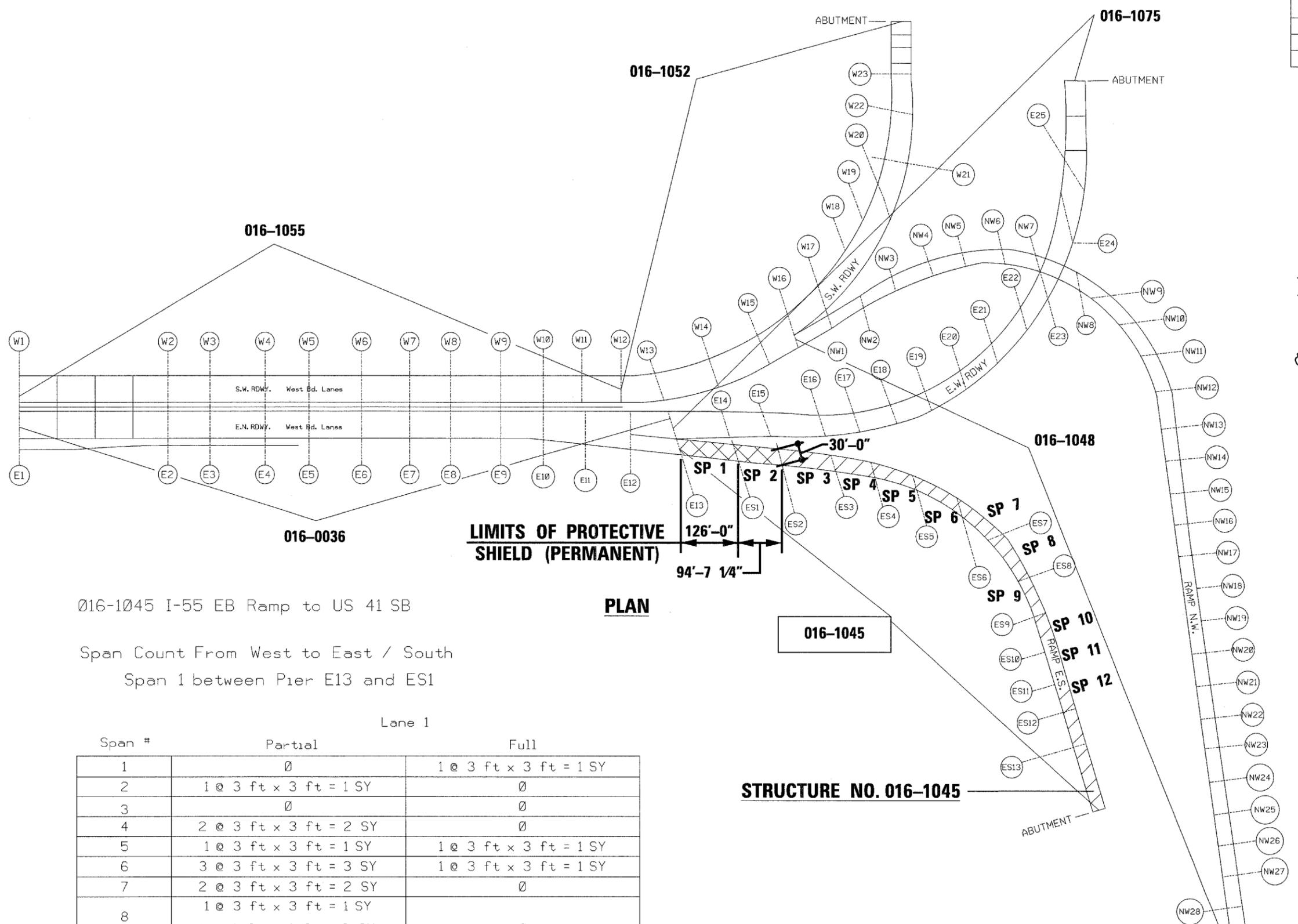
FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
COOK COUNTY
STRUCTURE NO. 016-1045
SCALE: NONE
DATE: APRIL 18, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



016-1045 I-55 EB Ramp to US 41 SB

Span Count From West to East / South
 Span 1 between Pier E13 and ES1

Span #	Lane 1	
	Partial	Full
1	∅	1 @ 3 ft x 3 ft = 1 SY
2	1 @ 3 ft x 3 ft = 1 SY	∅
3	∅	∅
4	2 @ 3 ft x 3 ft = 2 SY	∅
5	1 @ 3 ft x 3 ft = 1 SY	1 @ 3 ft x 3 ft = 1 SY
6	3 @ 3 ft x 3 ft = 3 SY	1 @ 3 ft x 3 ft = 1 SY
7	2 @ 3 ft x 3 ft = 2 SY	∅
8	1 @ 3 ft x 3 ft = 1 SY	∅
	1 @ 4 ft x 4 ft = 2 SY	
9	∅	∅
10	∅	1 @ 6 ft x 6 ft = 4 SY
11	∅	∅
12	1 @ 3 ft x 3 ft = 1 SY	∅
TOTAL	13 SY	7 SY

STRUCTURE NO. 016-1045

LIMITS OF STRUCTURE NO. 016-1045



1-55 @ Lake Shore Drive

ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK CONCRETE PATCHING
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-1045

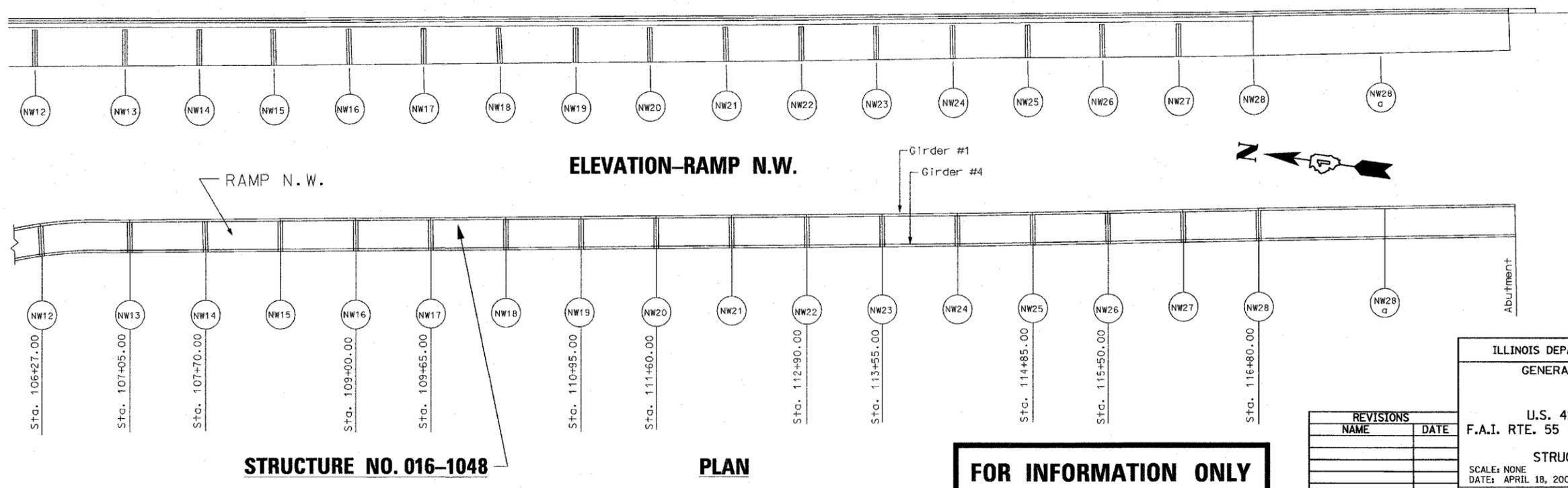
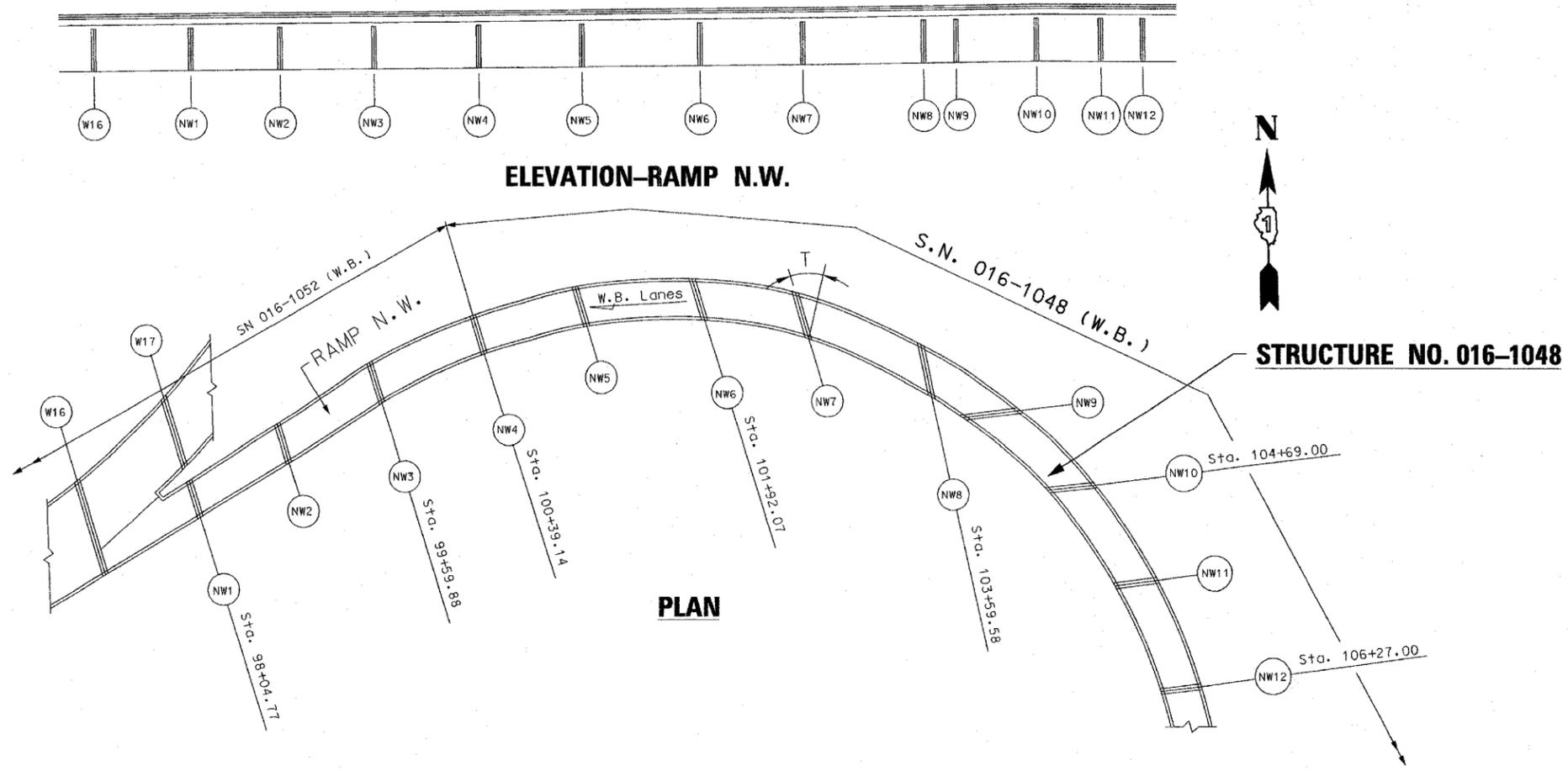
SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



FOR INFORMATION ONLY

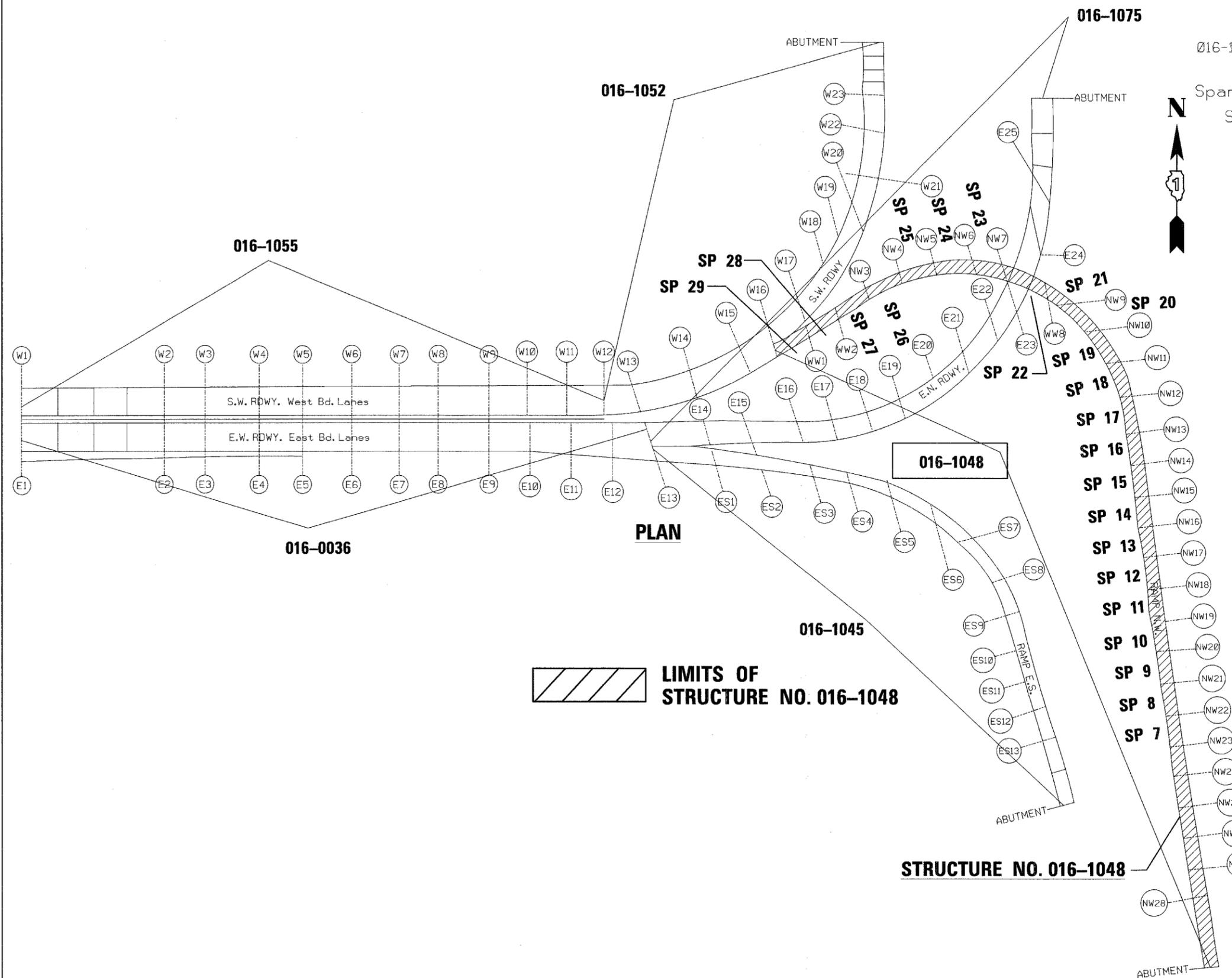
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)-4
COOK COUNTY
STRUCTURE NO. 016-1048
SCALE: NONE DRAWN BY: D.L./F.M.
DATE: APRIL 18, 2008 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
 016-1048 US 41 NB Ramp to I-55 WB
CONTRACT NO. 60C92

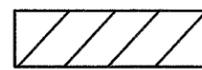
Span Count From South to the North
 Span 7 between Pier NW23 & NW22



Span #	Ramp Lane	
	Partial	Full
7	1 @ 3'x3' & 1 @ 6'x6' = 5 SY	1 @ 3 ft x 4 ft = 2 SY
8	1 @ 3'x5' & 1 @ 3'x3' = 3 SY	1 @ 3 ft x 3 ft = 1 SY
9	1 @ 3 ft x 3 ft = 1 SY	1 @ 3 ft x 4 ft = 2 SY
10	1 @ 3 ft x 3 ft = 1 SY	1 @ 10 ft x 5 ft = 6 SY
11	1 @ 6 ft x 6 ft = 4 SY	0
12	2 @ 3 ft x 3 ft = 2 SY	0
13	1 @ 3 ft x 6 ft = 2 SY	0
14	1 @ 6 ft x 6 ft = 4 SY 1 @ 4 ft x 4 ft = 2 SY	1 @ 4 ft x 15 ft = 7 SY 1 @ 9 ft x 9 ft = 9 SY
15	1 @ 3'x5' & 1 @ 3'x3' = 3 SY	1 @ 3 ft x 3 ft = 1 SY
16	1 @ 3 ft x 4 ft = 1 SY	1 @ 5 ft x 5 ft = 3 SY
17	2 @ 3 ft x 3ft = 2 SY	0
18	1 @ 3 ft x 3 ft = 1 SY	1 @ 3 ft x 4 ft = 2 SY
19	2 @ 3 ft x 3 ft = 2 SY	0
20	1 @ 3 ft x 3 ft = 1 SY	0
21	0	1 @ 3 ft x 4 ft = 2 SY
22	2 @ 3 ft x 3 ft = 2 SY 1 @ 6ft x 6 ft = 4 SY	0
23	0	1 @ 6'x6' & 1 @ 3'x4' = 6 SY
24	6 @ 3 ft x 3 ft = 6 SY	0
25	1 @ 6 ft x 6 ft = 4 SY	1 @ 6 ft x 6 ft = 4 SY
26	1 @ 3 ft x 3 ft = 1 SY	0
27	0	0
28	0	0
29	1 @ 6 ft x 6 ft = 4 SY	0
TOTAL	55 SY	45 SY

TOTAL : PARTIAL DEPTH = 55 SY
 FULL DEPTH = 45 SY

1-55 @ Lake Shore Drive

 **LIMITS OF STRUCTURE NO. 016-1048**

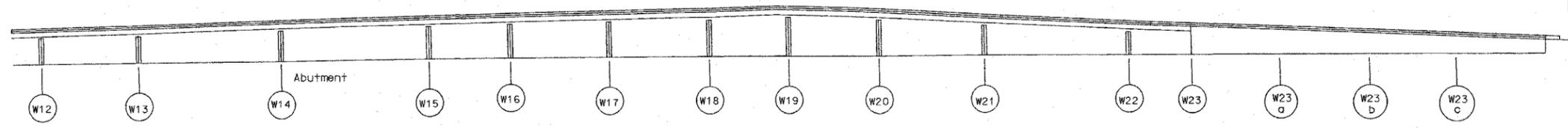
STRUCTURE NO. 016-1048

REVISIONS	
NAME	DATE

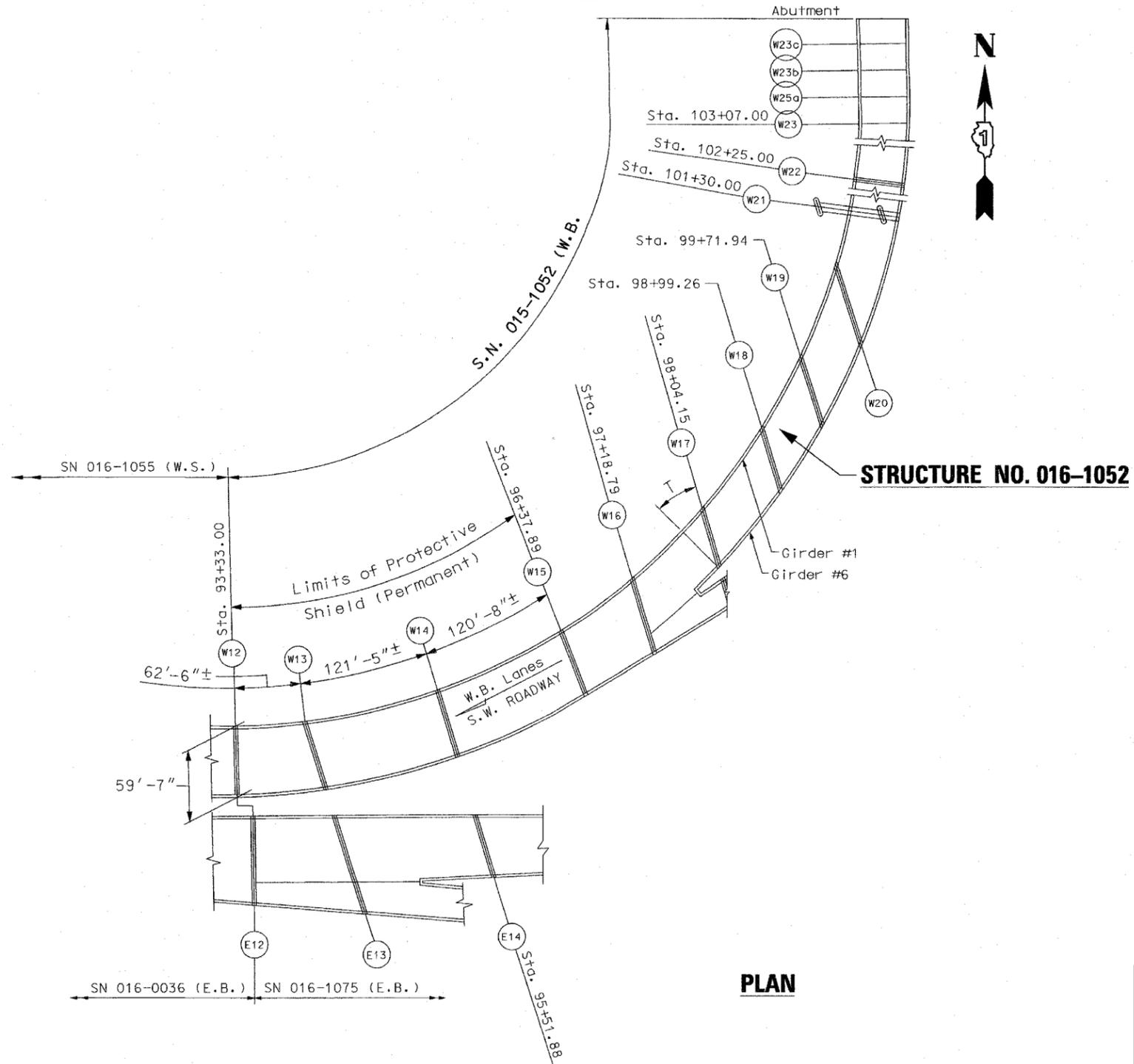
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK CONCRETE PATCHING
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-1048
 SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



ELEVATION - S.W. ROADWAY



PLAN

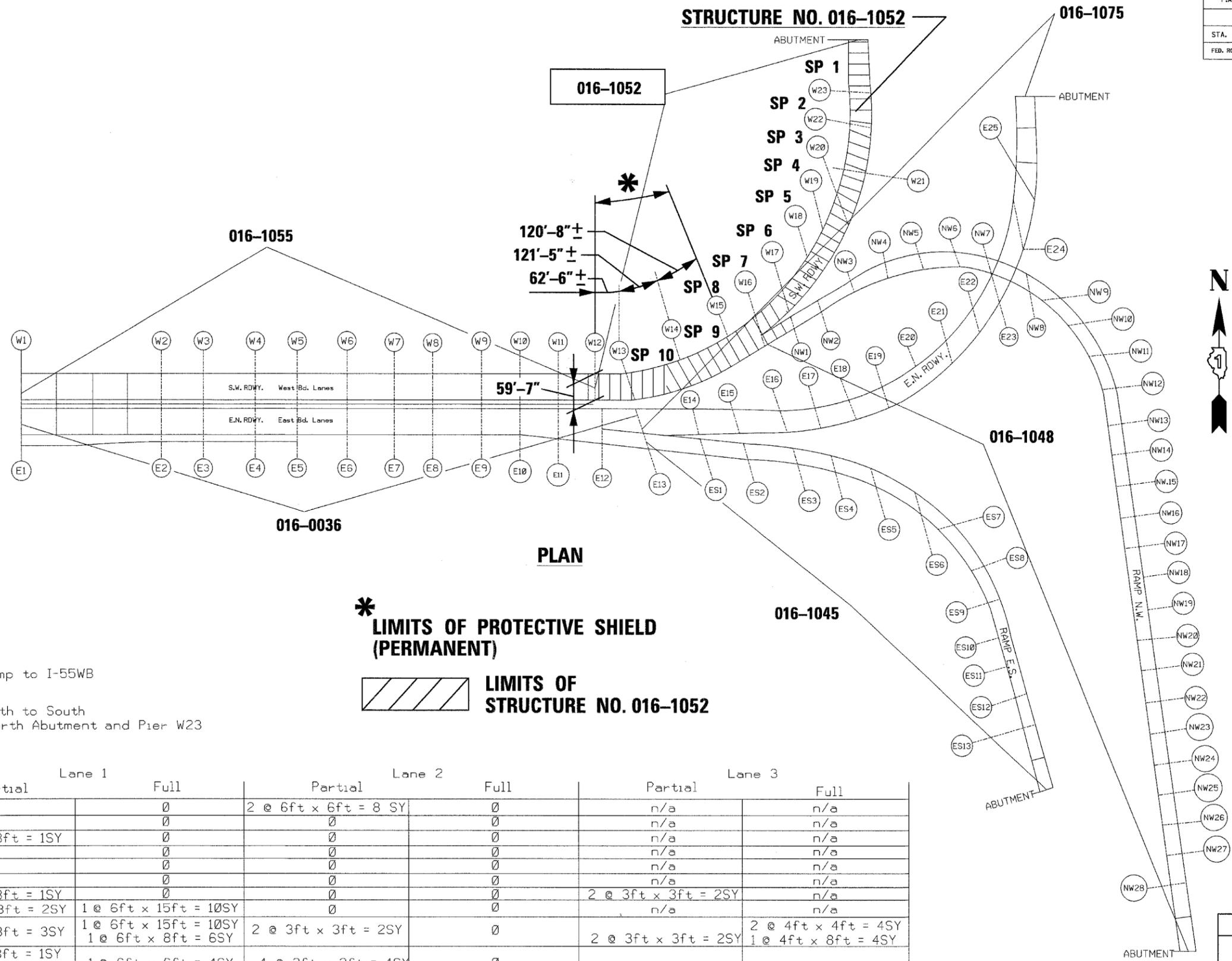
FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
COOK COUNTY
STRUCTURE NO. 016-1052
SCALE: NONE
DATE: APRIL 18, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



PLAN

* **LIMITS OF PROTECTIVE SHIELD (PERMANENT)**



LIMITS OF STRUCTURE NO. 016-1052

016-1052 US 41 SB Ramp to I-55WB

Span Count from North to South
 Span 1 between North Abutment and Pier W23

Span#	Lane 1		Lane 2		Lane 3	
	Partial	Full	Partial	Full	Partial	Full
1	0	0	2 @ 6ft x 6ft = 8 SY	0	n/a	n/a
2	0	0	0	0	n/a	n/a
3	1 @ 3ft x 3ft = 1SY	0	0	0	n/a	n/a
4	0	0	0	0	n/a	n/a
5	0	0	0	0	n/a	n/a
6	0	0	0	0	n/a	n/a
7	1 @ 3ft x 3ft = 1SY	0	0	0	2 @ 3ft x 3ft = 2SY	n/a
8	2 @ 3ft x 3ft = 2SY	1 @ 6ft x 15ft = 10SY	0	0	n/a	n/a
9	3 @ 3ft x 3ft = 3SY	1 @ 6ft x 15ft = 10SY 1 @ 6ft x 8ft = 6SY	2 @ 3ft x 3ft = 2SY	0	2 @ 3ft x 3ft = 2SY	2 @ 4ft x 4ft = 4SY 1 @ 4ft x 8ft = 4SY
10	1 @ 3ft x 3ft = 1SY 1 @ 8ft x 6ft = 6SY	1 @ 6ft x 6ft = 4SY	4 @ 3ft x 3ft = 4SY	0	4 @ 3ft x 3ft = 4SY	1 @ 6ft x 6ft = 4SY
TOTAL	14 SY	30 SY	14 SY	0	8 SY	12 SY

TOTAL : PARTIAL DEPTH = 36 SY
 FULL DEPTH = 42 SY

I-55 @ Lake Shore Drive

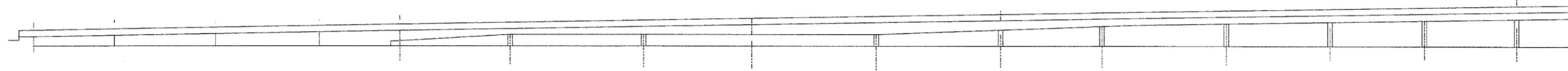
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DECK CONCRETE PATCHING
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-1052
 SCALE: NONE DRAWN BY: D.L./F.M.
 DATE: APRIL 23, 2008 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

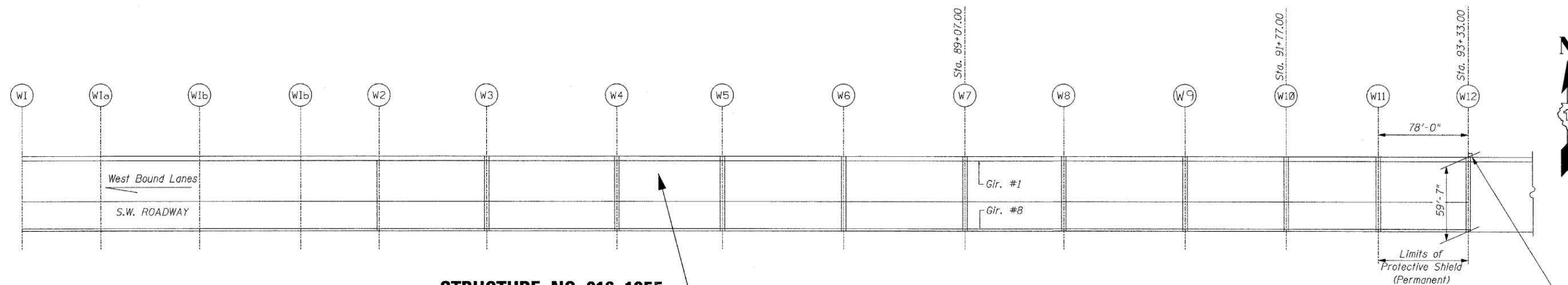
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92

SN 016-1055 (W.B.) SN 016-1045 (E.B.)
 SN 016-1052 (W.B.)



ELEVATION – S.W. ROADWAY

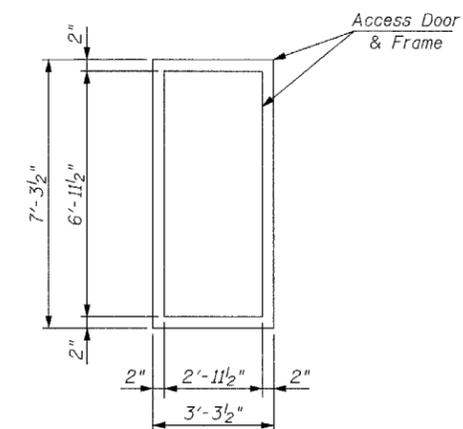


STRUCTURE NO. 016-1055

PLAN

**BILL OF MATERIAL
 S.N. 016-1055**

ITEM	UNIT	QUANTITIES
ACCESS DOOR	EACH	1
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	20
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	42
PROTECTIVE SHIELD (PERMANENT)	SQ. YD.	480



ACCESS DOOR DETAIL

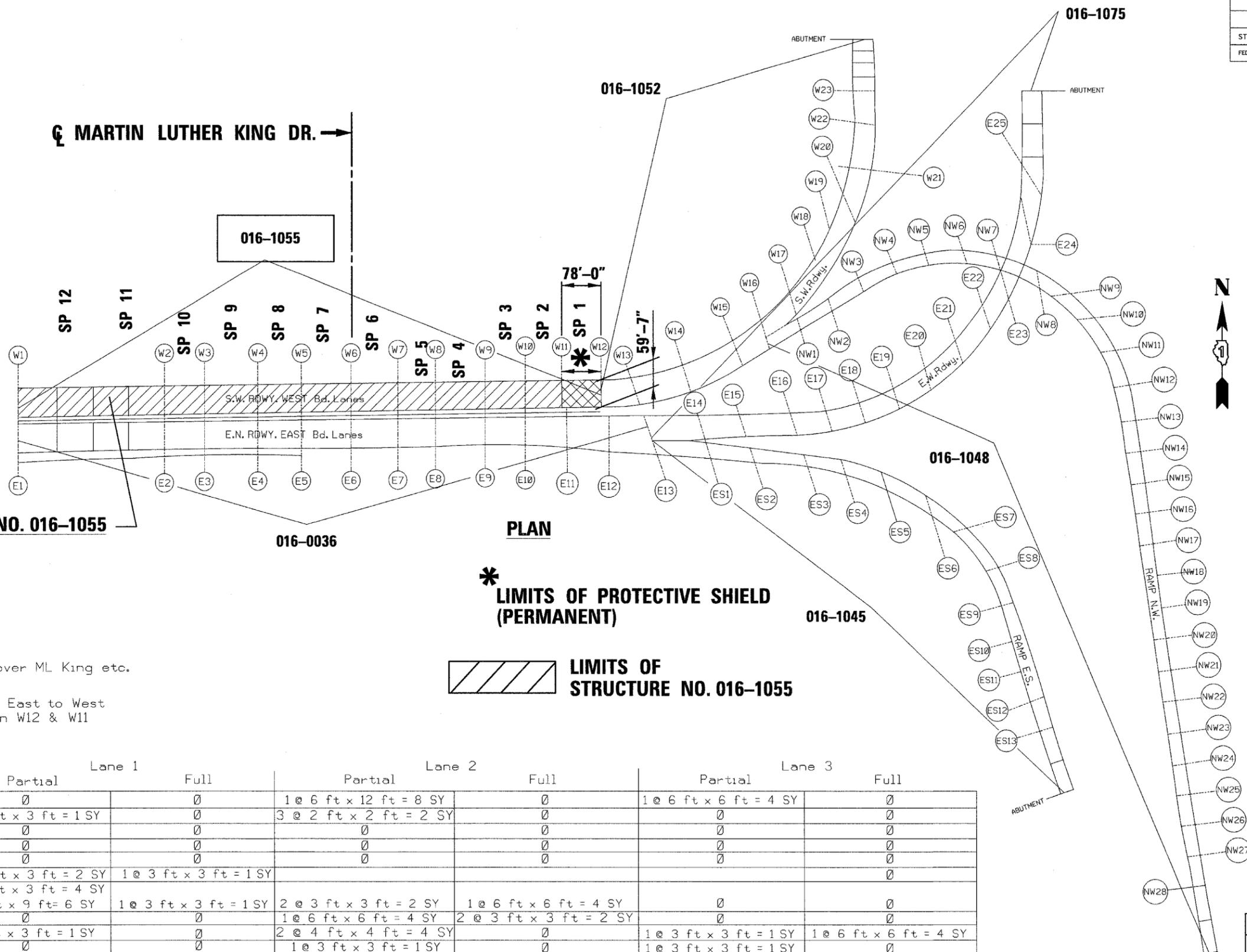
NOTE:
 The Steel Door is located inside near the vaulted approaches at the west end of S.N. 016-1055.
 The Door is bolted with sections of guardrail.
 The Steel Door and Frame are to be replaced.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN & ELEVATION
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-1055
 SCALE: NONE DRAWN BY: D.L./F.M.
 DATE: APRIL 23, 2008 CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



STRUCTURE NO. 016-1055

PLAN

* **LIMITS OF PROTECTIVE SHIELD (PERMANENT)**

LIMITS OF STRUCTURE NO. 016-1055

016-1055-I-55WB over ML King etc.

Span Count from East to West
 Span 1 between W12 & W11

Span#	Lane 1		Lane 2		Lane 3	
	Partial	Full	Partial	Full	Partial	Full
1	0	0	1 @ 6 ft x 12 ft = 8 SY	0	1 @ 6 ft x 6 ft = 4 SY	0
2	1 @ 3 ft x 3 ft = 1 SY	0	3 @ 2 ft x 2 ft = 2 SY	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	2 @ 3 ft x 3 ft = 2 SY	1 @ 3 ft x 3 ft = 1 SY	0	0	0	0
7	4 @ 3 ft x 3 ft = 4 SY 1 @ 6 ft x 9 ft = 6 SY	1 @ 3 ft x 3 ft = 1 SY	2 @ 3 ft x 3 ft = 2 SY	1 @ 6 ft x 6 ft = 4 SY	0	0
8	0	0	1 @ 6 ft x 6 ft = 4 SY	2 @ 3 ft x 3 ft = 2 SY	0	0
9	1 @ 3 ft x 3 ft = 1 SY	0	2 @ 4 ft x 4 ft = 4 SY	0	1 @ 3 ft x 3 ft = 1 SY	1 @ 6 ft x 6 ft = 4 SY
10	0	0	1 @ 3 ft x 3 ft = 1 SY	0	1 @ 3 ft x 3 ft = 1 SY	0
11	0	0	0	0	1 @ 3 ft x 3 ft = 1 SY	1 @ 6 ft x 6 ft = 4 SY
12	0	0	0	0	0	1 @ 6 ft x 6 ft = 4 SY
TOTAL	14 SY	2 SY	21 SY	6 SY	7 SY	12 SY

**TOTAL : PARTIAL DEPTH = 42 SY
 FULL DEPTH = 20 SY**

1-55 @ Lake Shore Drive

REVISIONS	
NAME	DATE

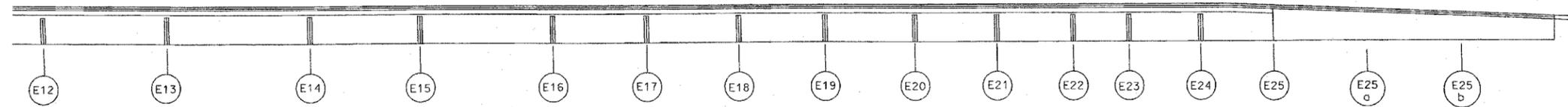
ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK CONCRETE PATCHING
 I-55
 OVER
 U.S. 41/LAKE SHORE DRIVE
 F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
 COOK COUNTY
 STRUCTURE NO. 016-1055

SCALE: NONE
 DATE: APRIL 23, 2008
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./S.J.P.

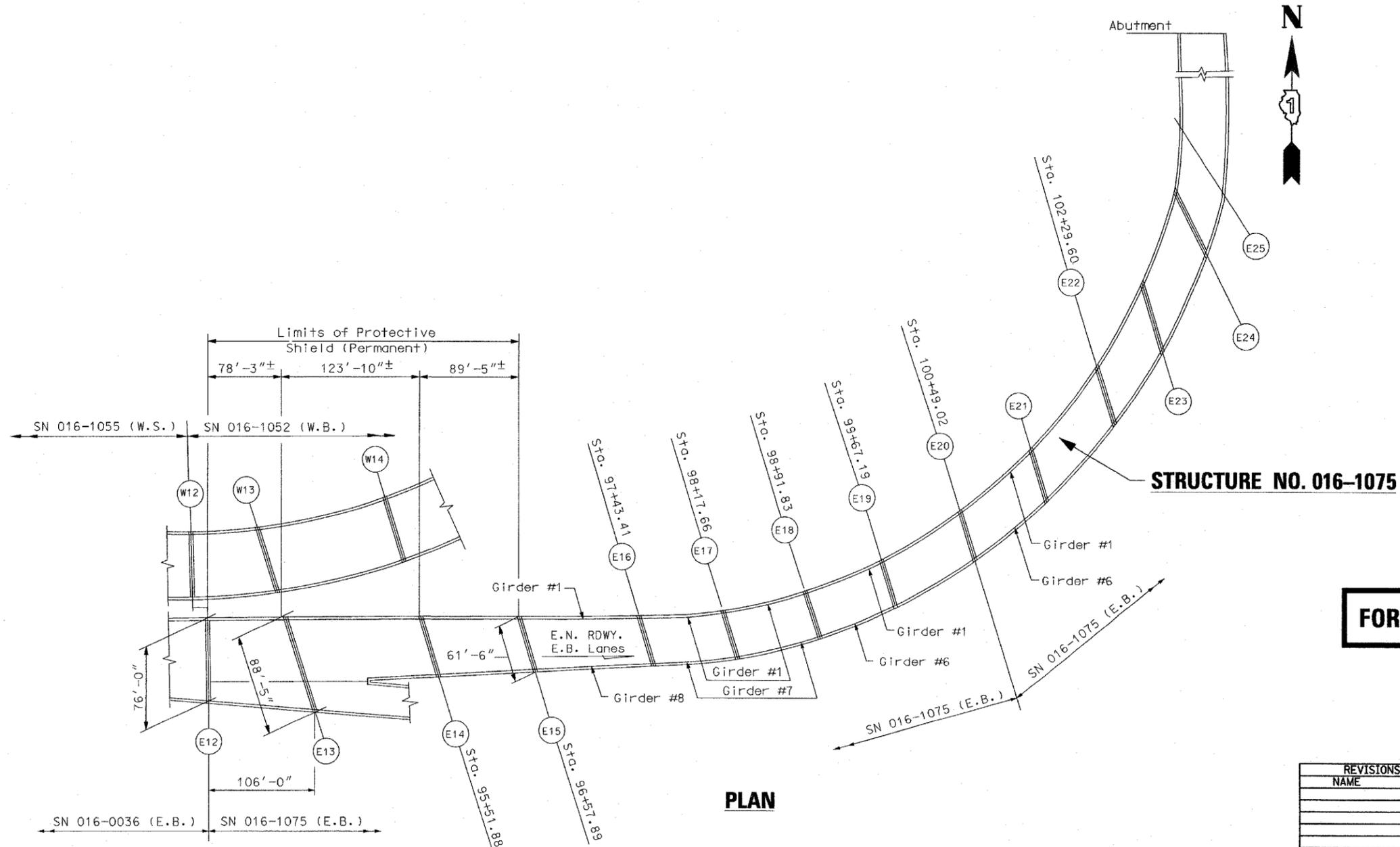
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

*1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



ELEVATION - E.N. ROADWAY



PLAN

REVISIONS	
NAME	DATE

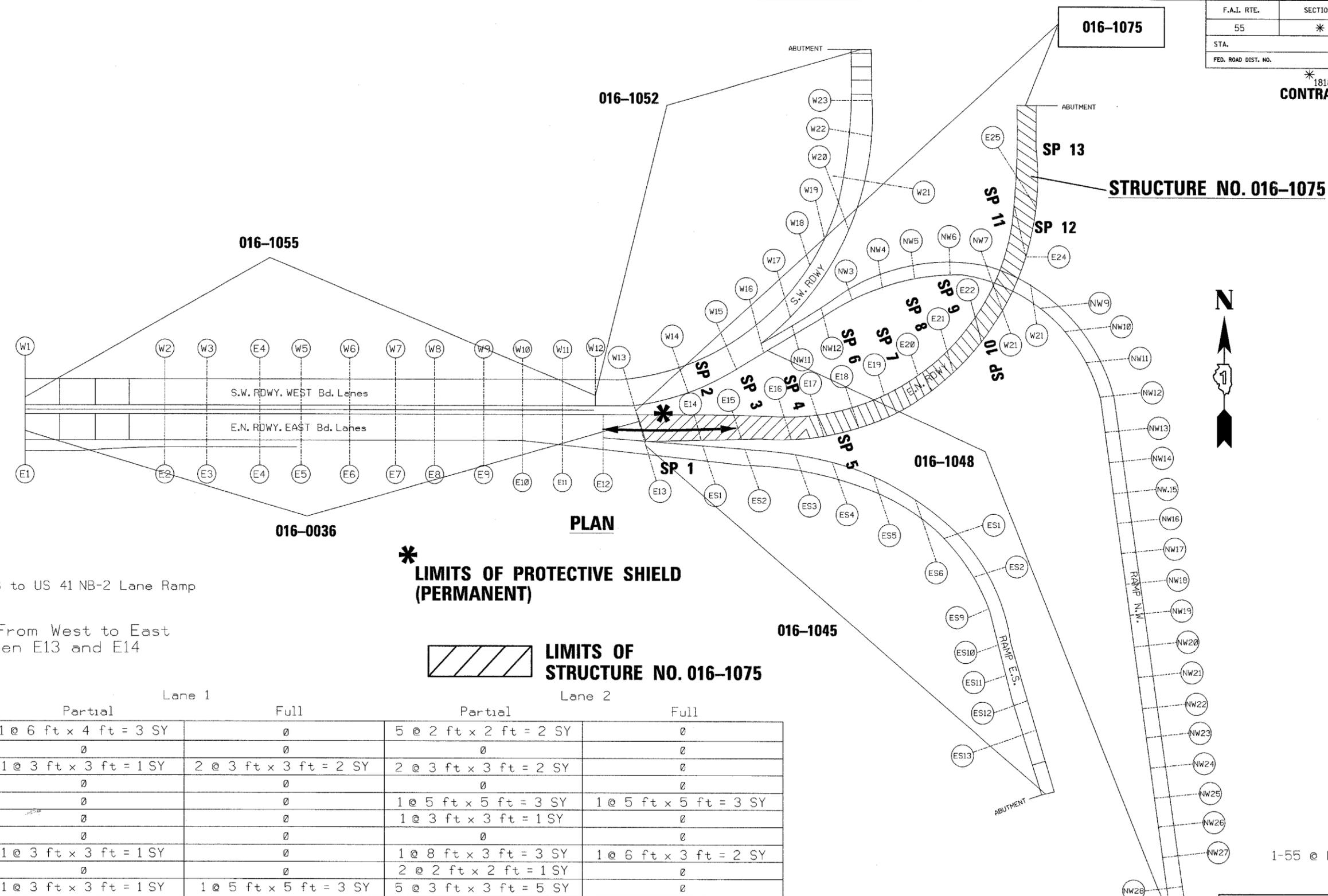
ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
COOK COUNTY
STRUCTURE NO. 016-1075

SCALE: NONE
DATE: APRIL 18, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	COOK	26	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1818 (.31 H & .32 H) I-4
CONTRACT NO. 60C92



016-1075-I-55 EB to US 41 NB-2 Lane Ramp

Span Count From West to East
Span 1 between E13 and E14

*** LIMITS OF PROTECTIVE SHIELD (PERMANENT)**

LIMITS OF STRUCTURE NO. 016-1075

Span #	Lane 1		Lane 2	
	Partial	Full	Partial	Full
1	1 @ 6 ft x 4 ft = 3 SY	0	5 @ 2 ft x 2 ft = 2 SY	0
2	0	0	0	0
3	1 @ 3 ft x 3 ft = 1 SY	2 @ 3 ft x 3 ft = 2 SY	2 @ 3 ft x 3 ft = 2 SY	0
4	0	0	0	0
5	0	0	1 @ 5 ft x 5 ft = 3 SY	1 @ 5 ft x 5 ft = 3 SY
6	0	0	1 @ 3 ft x 3 ft = 1 SY	0
7	0	0	0	0
8	1 @ 3 ft x 3 ft = 1 SY	0	1 @ 8 ft x 3 ft = 3 SY	1 @ 6 ft x 3 ft = 2 SY
9	0	0	2 @ 2 ft x 2 ft = 1 SY	0
10	1 @ 3 ft x 3 ft = 1 SY	1 @ 5 ft x 5 ft = 3 SY	5 @ 3 ft x 3 ft = 5 SY	0
11	0	0	2 @ 3 ft x 3 ft = 2 SY	1 @ 6 ft x 12 ft = 2 SY
12	0	0	2 @ 3 ft x 9 ft = 6 SY	1 @ 3 ft x 6 ft = 2 SY
13 Vaulted Span	1 @ 6 ft x 6 ft = 9 SY 1 @ 5 ft x 5 ft = 3 SY	0	2 @ 10 ft x 12 ft = 27 SY 1 @ 6 ft x 6 ft = 4 SY	0
TOTAL	18 SY	5 SY	56 SY	9 SY

TOTAL : PARTIAL DEPTH = 74 SY
FULL DEPTH = 14 SY



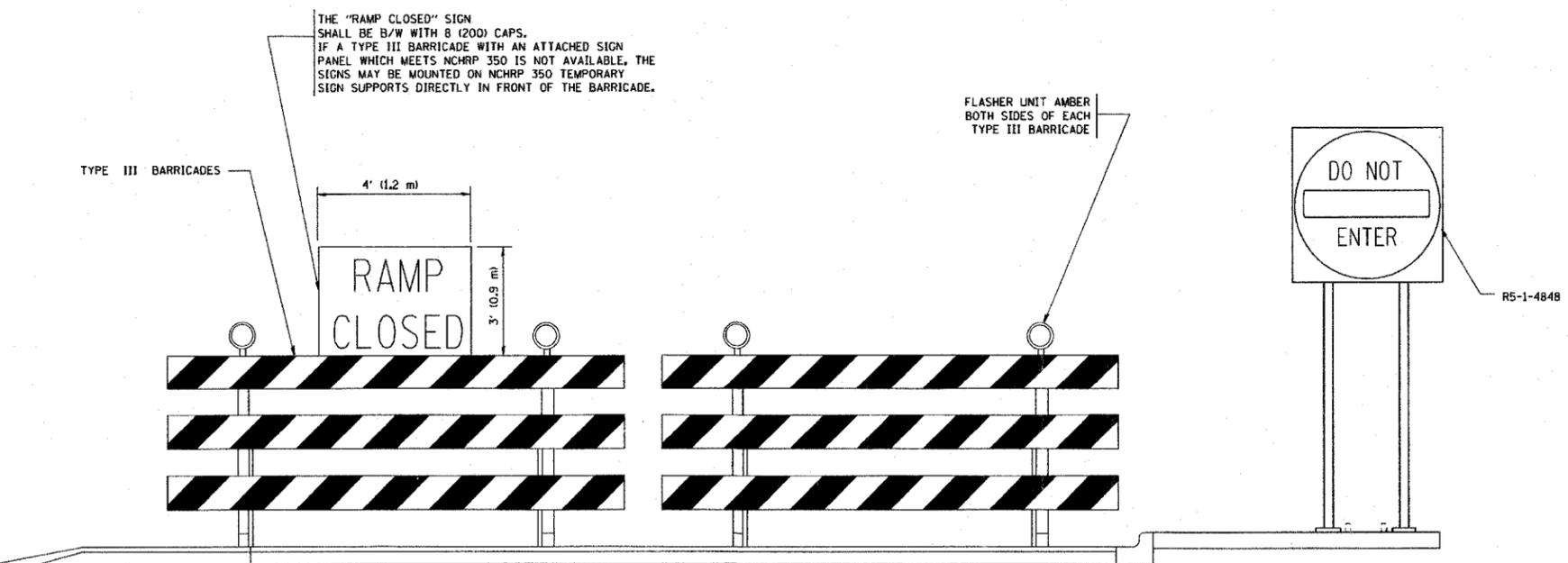
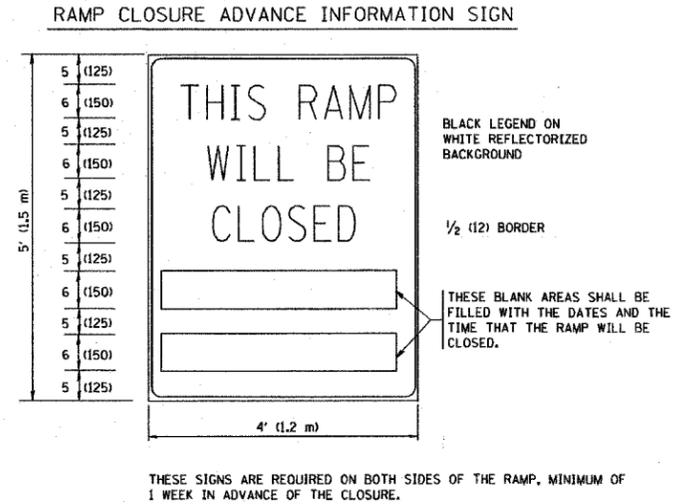
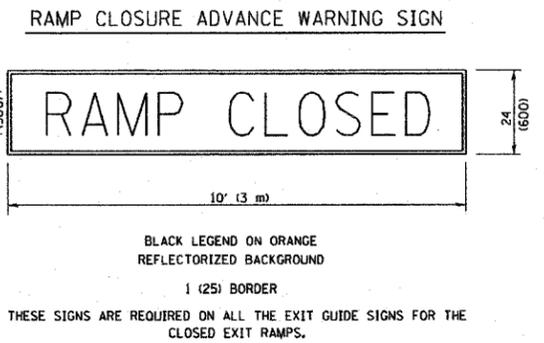
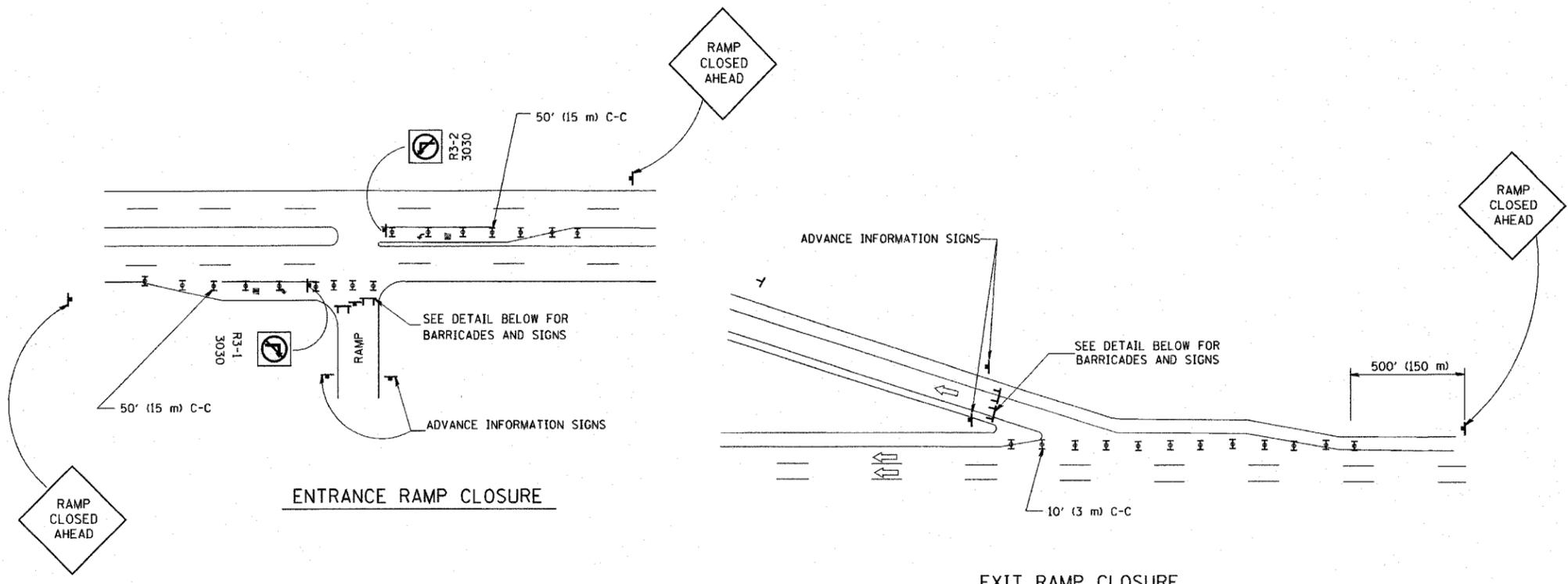
1-55 @ Lake Shore Drive

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK CONCRETE PATCHING
I-55
OVER
U.S. 41/LAKE SHORE DRIVE
F.A.I. RTE. 55 SECTION: 1818(.31H & .32H)I-4
COOK COUNTY
STRUCTURE NO. 016-1075

REVISIONS	
NAME	DATE

SCALE: NONE
DATE: APRIL 23, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./S.J.P.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55 818(31H & 32H) 1-4	COOK	26	22
STA. TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



- 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. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 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 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.

REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
JAF	2/06
SPB	1/07
Revise devices to meet NCHRP 350	4/03

ILLINOIS DEPARTMENT OF TRANSPORTATION

FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS

SCALE: NONE

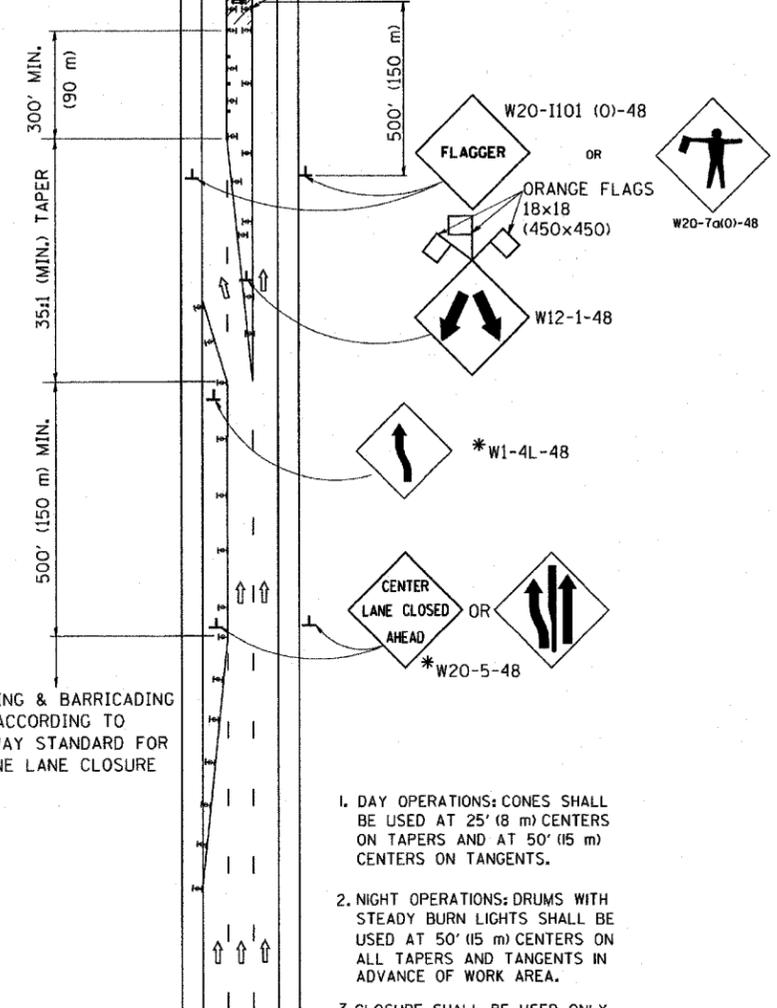
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CHECKED BY: _____

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PLOT SCALE = 0.0000 - 1" = 100'
USER NAME = bward1

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	818(31H & 32H) 1-	COOK	24	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

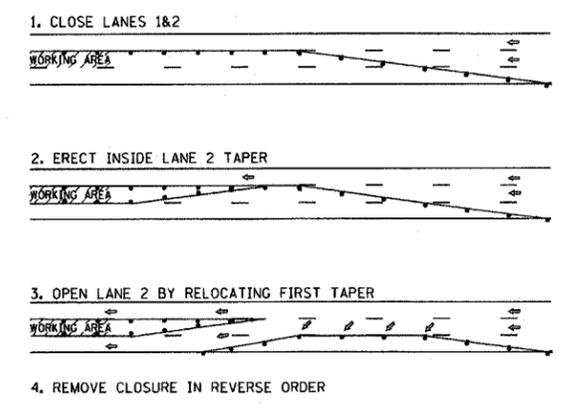
CENTER LANE CLOSURE

TYPE I CHECK BARRICADES AT 100' (30 m) CENTERS



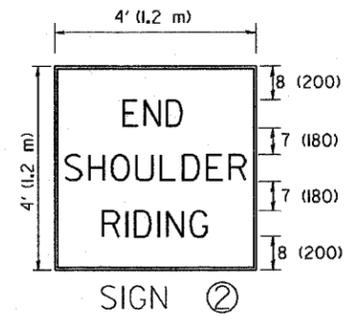
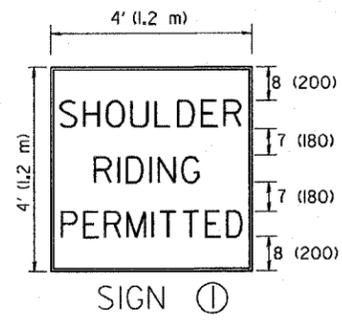
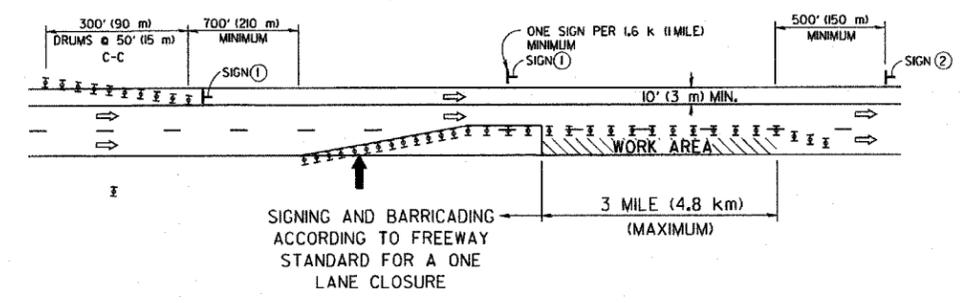
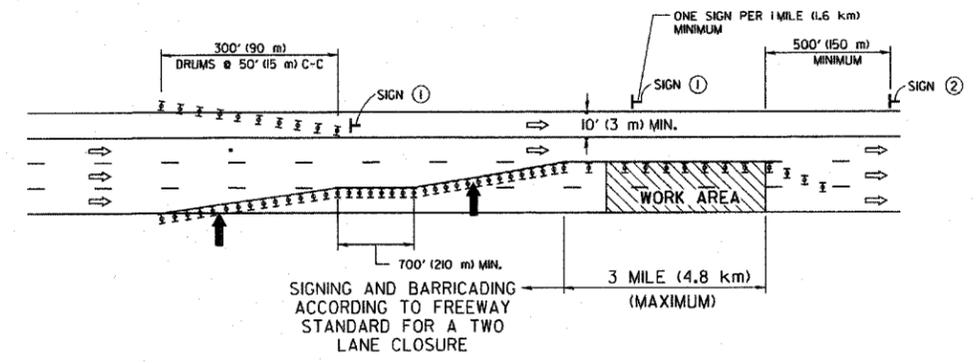
1. DAY OPERATIONS: CONES SHALL BE USED AT 25' (8 m) CENTERS ON TAPERS AND AT 50' (15 m) CENTERS ON TANGENTS.
2. NIGHT OPERATIONS: DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
3. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.

INSTALLATION SEQUENCE



SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1(25) BORDER

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➔ ARROWBOARD
- ▨ WORK AREA
- ◇ SIGN WITH 18x18 (450x450) ORANGE FLAGS ATTACHED *
- ⊢ SIGN ON PORTABLE OR PERMANENT SUPPORT *
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

REVISIONS	
NAME	DATE
PRIOR DETAILS ON TC-9 - JAF	4/03
SPB	1/07

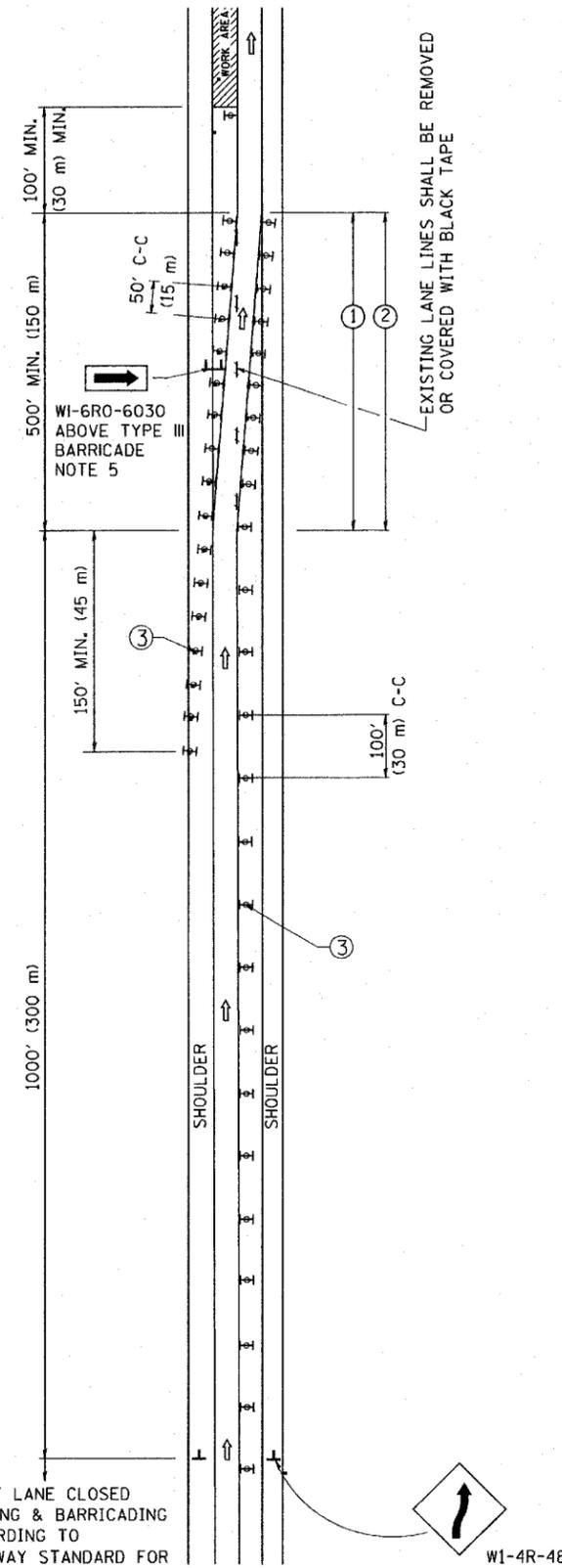
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
CENTER LANE CLOSURE
SHOULDER LANE

SCALE: NONE
DATE: 1/4/2007

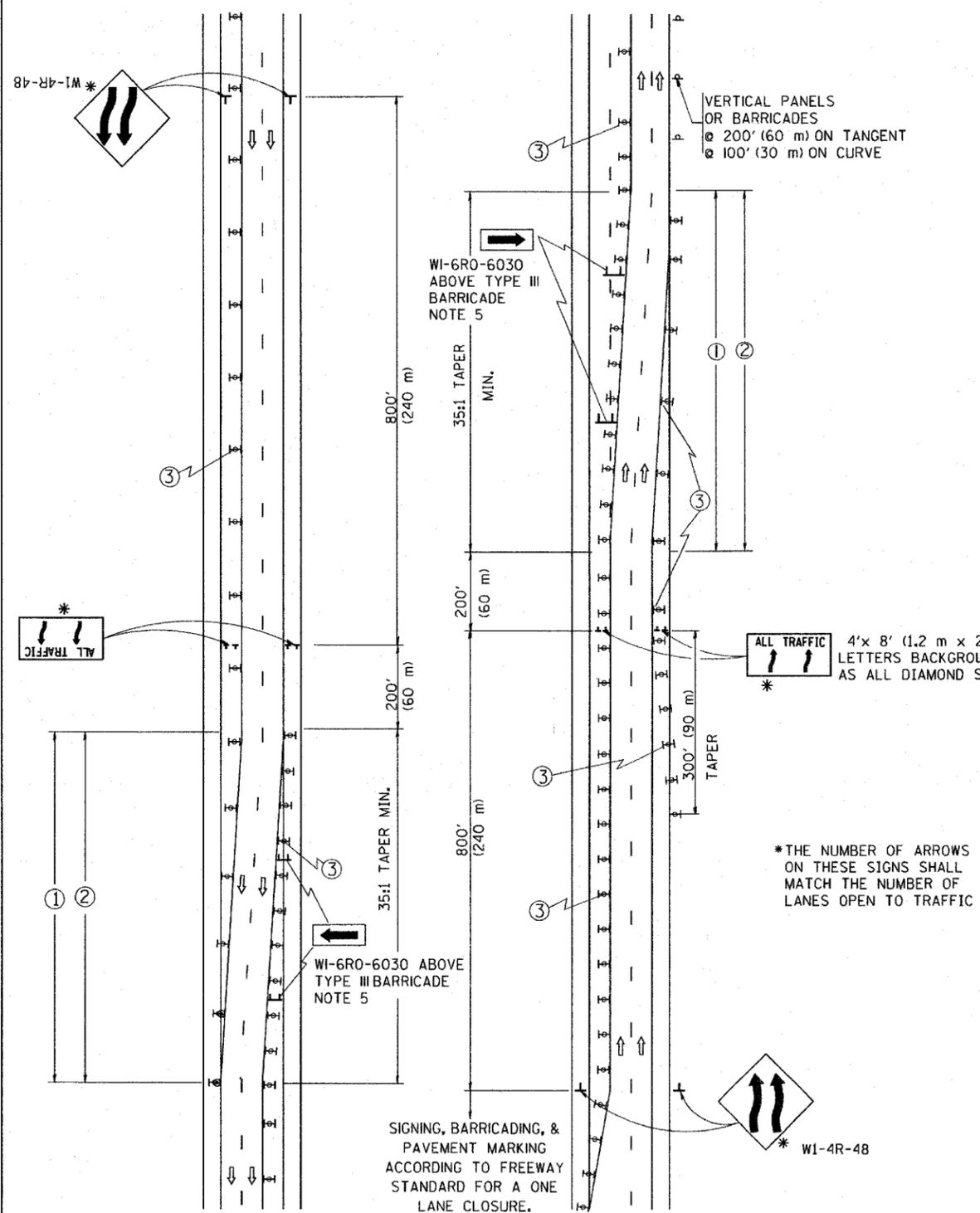
DRAWN BY R.H.
CHECKED BY
TC-25
REVISION DATE: 01/01/07

F.A.I. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	81R(31H & 32H)1-	COOK	26	24
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS 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 WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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.
- 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.

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊞ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL DETAILS
 FOR FREEWAY
 SINGLE & MULTI-LANE WEAVE**

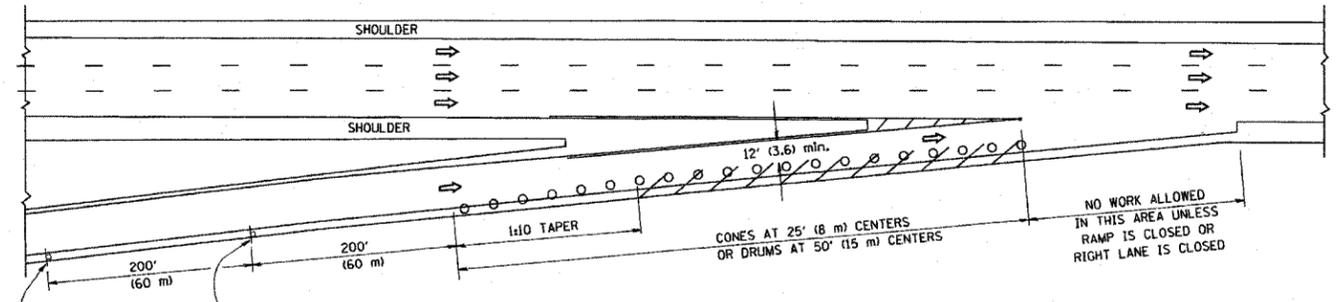
SCALE: DATE: 1/4/2007 DRAWN BY R.H. CHECKED BY TC-9

PLOT DATE: 1/4/2007
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 USER NAME: ltraser

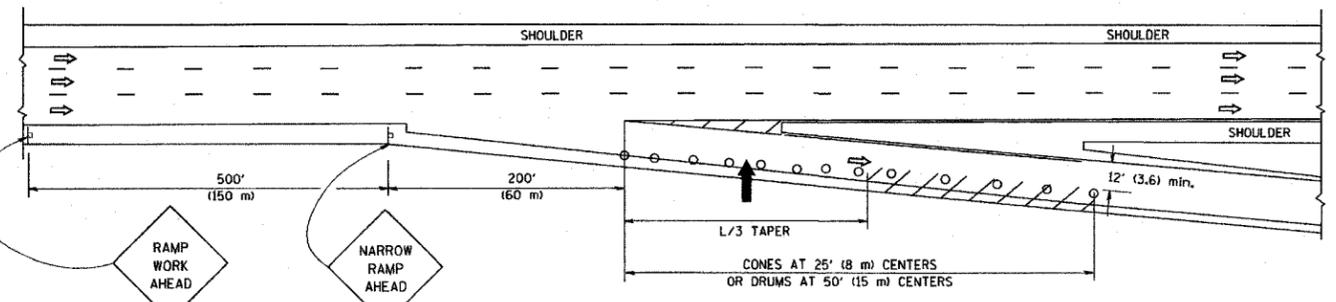
PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS

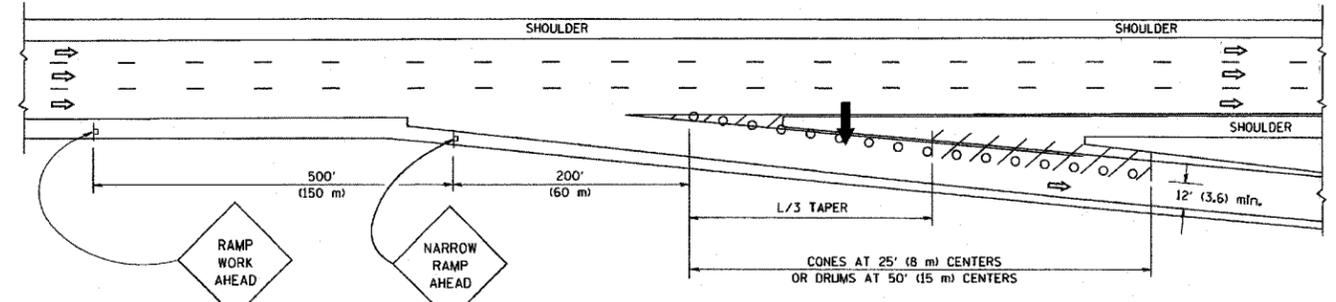
F.A.I. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	818(31H & 32H)1-4	COOK	26	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



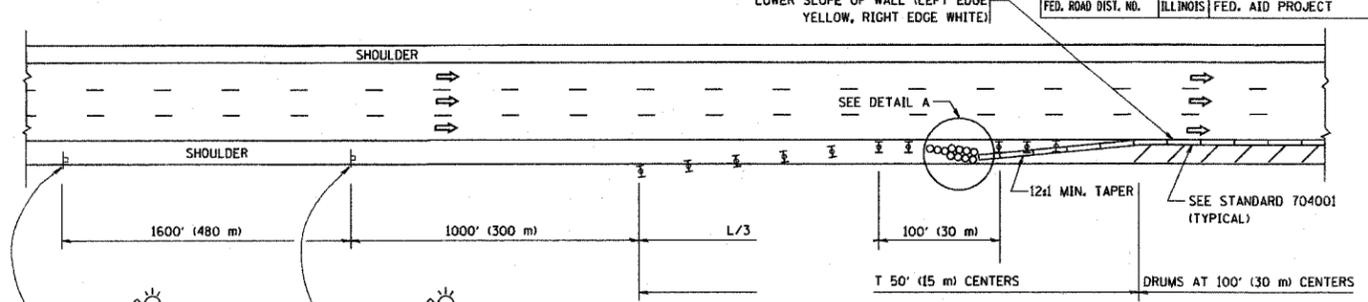
TYPICAL EXIT RAMP

SYMBOLS

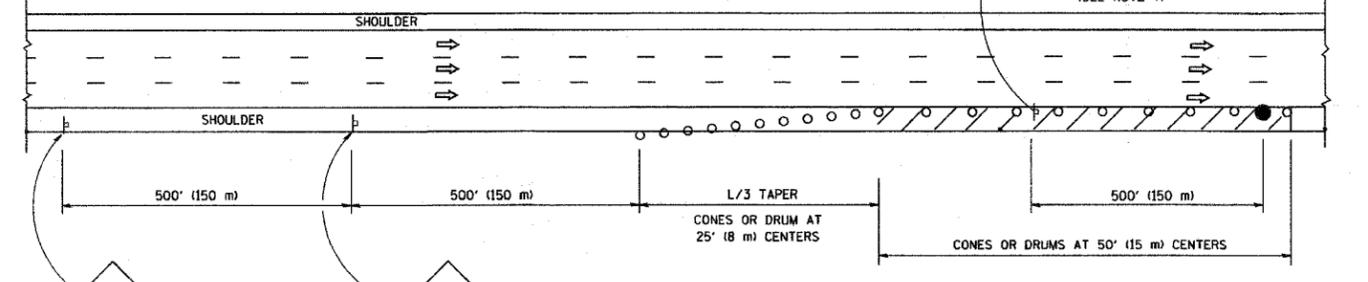
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:
 SPEED LIMIT FORMULAS
 45 mph (80 km/h) METRIC ENGLISH
 OR GREATER: L=0.65(W/S) L=(W/S)
 W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME 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.



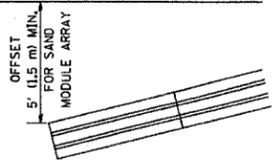
PERMANENT SHOULDER CLOSURE



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.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.



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

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
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 ENCRUCHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

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

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL DETAILS
 FOR FREEWAY
 SHOULDER CLOSURES
 PARTIAL RAMP CLOSURES

DESIGNED BY: DWS
 DRAWN BY:
 CHECKED BY:
 DATE: 1/16/2007

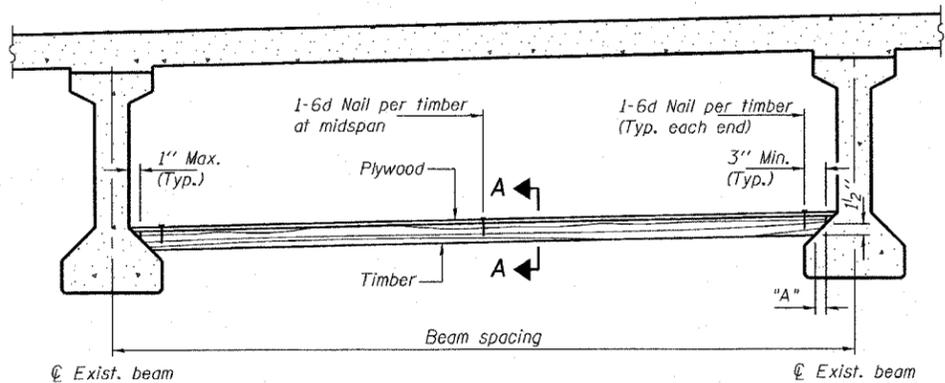
TC-17
 REVISION DATE: 01/01/07

PLOT DATE = 1/16/2007
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 PLOT SCALE = 0.800000 / 1 IN.
 USER NAME = legre

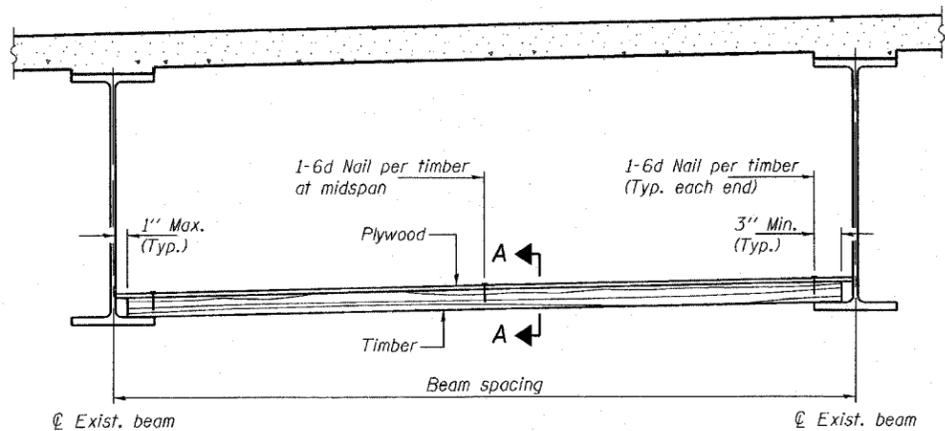
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
55	*	COOK	26	26	
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

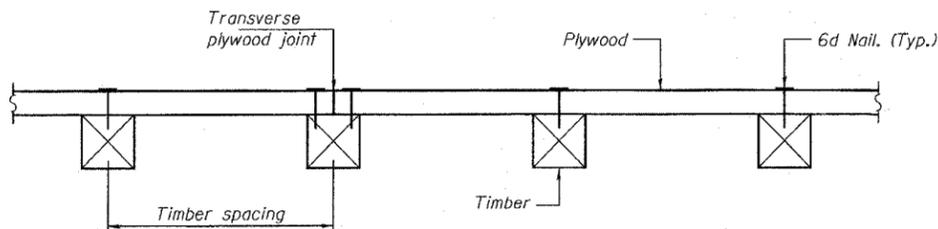
CONTRACT NO. 60C92
* 1818 (.31 H & .32 H) I-4



PPC I-BEAMS AND BULB-T's



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

PPC I-BEAMS AND BULB-T's

BEAM	"A"
36" I-Beam	1 1/2"
42" I-Beam	1 1/2"
48" I-Beam	1 1/2"
54" I-Beam	1 5/8"
63" Bulb-T	3 3/8"
72" Bulb-T	3 3/8"

Notes: See special provision for Permanent Protective Shield System.
Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.
The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.
The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions.
All timber shall be treated.
Plywood shall be 3/8" Exterior type plywood.
Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.
Transverse plywood joints shall be supported by timbers.
When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.
Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	5,890

PERMANENT PROTECTIVE SHIELD