FOR INDEX OF SHEETS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL ADT: 9,800 (2005), 20,655 (2021)

DESIGN SPEED LIMIT: 45 MPH POSTED SPEED LIMIT: 45 MPH

PROJECT LOCATED IN THE CITY OF JOLIET

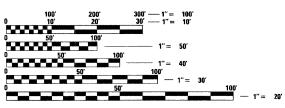
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

PROPOSED HIGHWAY PLANS

F.A.P. 607 / U.S. 30 SECTION: 13 B-I-1 **OVER HICKORY CREEK BRIDGE DECK REPAIRS & OVERLAY** PROJECT: ESP-0607(079) **WILL COUNTY** C-91-274-07

> **JOLIET TOWNSHIP** R. 10 E.

PROJECT LOCATION: U.S. 30 **OVER HICKORY CREEK** S.N. 099-0105



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

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS

GROSS LENGTH OF PROJECT = 190 FEET = NET LENGTH OF PROJECT = 190 FEET = 0.036 MILES



CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS - PLANNERS - SURVEYORS 211 W. WACKER DRIVE CHICAGO, IL. 60606

607 13 B-I-1 WILL 16 STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 60C89

D-91-274-07



DEPARTMENT OF TRANSPORTATION M. O'Rest.
R OF HIGHWAYS, REGION ONE ENGINEER

Olascest N. Such JAN, 06, 2003 BHADRESH N. SHAH LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS LIC. No. 081-004476 EXPIRES: 11-30-10

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 60C89

1-800-892-0123 OR 811

F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
607	13 B-I-1		WILL	16	2
STA. TO STA.					
FED. ROAD DIST. NO.		ILLINOIS	FED.	AID PROJECT	

CONTRACT NO. 60C89

LIST OF STATE STANDARDS

TRAFFIC CONTROL DEVICES

OPERATIONS

701901**-0**/

STANDARD NO. **DESCRIPTION** SHEET NO. DESCRIPTION COVER SHEET LANE CLOSURE, 2L, 2W, DAY ONLY, 701201-03 FOR SPEEDS ≥ 45 MPH INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES U.S. RTE. 30 LANE CLOSURE, 2L, 2W, SHORT TIME 701301-*0*3

4	CONSTRUCTION STAGING NOTES, TEMPORARY PAVEMENT MARKING SCHEDULE & PERMANENT PAVEMENT MARKING SCHEDULE U.S. RTE. 30
5	CONSTRUCTION STAGING TYPICAL SECTIONS

SUGGESTED TRAFFIC CONTROL AND PROTECTION STAGES I, II AND III U.S. RTE. 30

SUMMARY OF QUANTITIES U.S. RTE. 30

S.N. 099-0105

GENERAL PLAN & ELEVATION

INDEX OF SHEETS

DECK CROSS SECTION

U.S. RTE. 30

- DECK CONCRETE PATCHING
- EXPANSION JOINT DETAILS
- PREFORMED JOINT STRIP SEAL 11
- BAR SPLICER ASSEMBLY DETAILS
- TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, 13 INTERSECTIONS AND DRIVEWAYS
- TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
- 15 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- ARTERIAL ROAD INFORMATION SIGNING

GENERAL NOTES:

- 1. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM I.D.O.T. FIELD MAINTENANCE ENGINEERS.
- 2. THE RESIDENT ENGINEER MUST CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 AT LEAST 72 HOURS PRIOR TO INSTALLATION OF THE TEMPORARY CONTROL DEVICES.
- 3. THE RESIDENT ENGINEER SHALL CONTACT CORA MATHIS THE AREA TRAFFIC FIELD ENGINEER AT (815)485-6475 TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 4. 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.
- 5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 6. DO NOT SCALE THESE PLANS FOR CONSTRUCTION PURPOSES.
- 7. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR MUST EXERCISE THE UTMOST PRECAUTIONS IN PREVENTIVE ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND TO THE ADJOINING RESIDENTIAL AREAS.
- 8. 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.
- 9. ALL RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE) SHALL BE LOW PROFILE.

ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS. LIST OF STATE STANDARDS AND GENERAL NOTES REVISIONS NAME U.S. RTE. 30 SCALE: NONE DATE: JANUARY 08, 2009 CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.

F.A.P. RTE.	SECTION				SHEET NO.
607	13 B-I-1		WILL	16	3
STA.		TO S	STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED.	AID PROJECT	

CONTRACT NO. 60C89

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES		<i>URВАЛ</i> 1001. FED. ТОТАL	CONSTRUCTION TYPE CODE
	CODE NO.	ITEM	UNIT	QUANTITIES	S.N. 099-0105 FUNDS
					SFTY-2A
	44000086	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE	SQ. YD.	793	793
	50102400	CONCRETE REMOVAL	CU. YD.	12.8	12.8
	50300255	CONCRETE SUPERSTRUCTURE	CU. YD.	12.8	12.8
	50300260	BRIDGE DECK GROOVING	SQ. YD.	750	750
	50800205	REINFORCEMENT BARS, EPOXY COATED	pound	2,810	2,810
	50800515	BAR SPLICERS	EACH	48	48
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	107	107
	67000 4 00	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
	67100100	MOBILIZATION	L. SUM	. 1	1
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L. SUM	: 1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL -DA	20	20
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,712	3,712
*	78008210	POLYUREA PAVEMENT MARKING, TYPE I - LINE 4"	FOOT	760	760
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	10	10
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	24	24
	78300100	PAVEMENT MARKING REMOVAL	SQ. FT.	1,118	1,118
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10
	X0322185	BRIDGE DECK LATEX CONCRETE OVERLAY, 21/4 INCHES	SQ. YD.	793	793
	X0322256	TEMPORARY INFORMATION SIGNING	SQ. FT	51.4	51.4
	X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	6,708	6,708
	Z0006202	BRIDGE DECK HYDRO-SCARIFICATION 3/4"	SQ. YD.	793	793
	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ. YD.	5	5
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	54	54
		-			

* SPECIALTY ITEMS

_		
	ILLINOIS DEPARTMENT OF	TRANSPORTATION
REVISIONS NAME DATE	SUMMARY OF QUA	
	SCALE: NONE DATE: JANUARY 08, 2009 CHRISTIAN-ROGE &	DRAWN BY: D.L./F.M. CHECKED BY: B.N.S./S.J.P. ASSOC INC.
	CHICAGO	ILLINGIS

TEMPORARY PAVEMENT MARKING SCHEDULE

ITEM	UNIT	STAGE I	STAGE II	STAGE III	TOTAL QUANTITIES
WET REFLECTIVE TEMP. MARKING TAPE, TYPE III 4"	FOOT	2,236	2,236	2,236	6,708
TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER PAVEMENT MARKING REMOVAL	EACH SQ. FT.	12 1 , 118	-	12	24 1,118

PERMANENT PAVEMENT MARKING SCHEDULE

	ITEM	UNIT	LOCATION	QUANTITIES	TOTAL QUANTITIES
			STA. 86+92.00 TO STA. 98+10.00		
	POLYUREA, TYPE I -LINE 4" WHITE EDGE LINE DOUBLE YELLOW LINES	FOOT FOOT	STA. 91+57.00 TO STA. 93+47.00 STA. 91+57.00 TO STA. 93+46.00	2 LINES AT 190 FT. 2 LINES AT 190 FT.	380 380
T	THERMOPLASTIC -LINE 4"				
	WHITE EDGE LINE	FOOT	STA. 86+92 TO STA. 91+57 STA. 93+47 TO STA. 98+10	2 LINES AT 928 FT.	1856
	DOUBLE YELLOW LINES	FOOT	STA. 86+92 TO STA. 91+57 STA. 93+47 TO STA. 98+10	2 LINES AT 928 FT.	1856
+	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	STA. 91+57.00 TO STA. 93+46.00	10	10

straised reflective pavement marker (bridge) ARE 2-2 WAY AMBER, SPACED AT 40' C-C

ı	FED. ROAD DIST. NO.	n.	LINOIS	FED. A	ID PROJECT	
	STA.		TO STA.			
	607	13 B-I-1	W	ILL	16	4
	F.A.P. RTE.	SECTION	, co	UNTY	TOTAL SHEETS	SHEET NO.

CONTRACT NO. 60C89

CONSTRUCTION STAGING NOTES:

STAGE I

WORK ACTIVITIES SHALL CONSIST OF REMOVING THE EXISTING OVERLAY, PATCHING, RECONSTRUCT ABUTMENT JOINTS AND OVERLAYING THE SOUTH RIGHT 1/3 OF THE BRIDGE.

TRAFFIC CONTROL FOR THIS STAGE SHALL CONSIST OF THE SHIFTING OF BOTH LANES OF TRAFFIC ONTO THE WESTBOUND LANE AND SHOULDER ACROSS THE BRIDGE AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE ADJACENT SIDEROADS SHALL BE SIGNED IN ACCORDANCE WITH DETAIL TC-10.

STAGE II

WORK ACTIVITIES SHALL CONSIST OF REMOVING THE EXISTING OVERLAY, PATCHING, RECONSTRUCT ABUTMENT JOINTS AND OVERLAYING THE CENTER PORTION OF THE BRIDGE.

TRAFFIC CONTROL- WESTBOUND TRAFFIC SHALL REMAIN IN THE STAGE I CONFIGURATION. EASTBOUND TRAFFIC SHALL BE SHIFTED ONTO THE NEWLY OVERLAYED PART OF THE BRIDGE.

WORK ACTIVITIES SHALL CONSIST OF REMOVING THE EXISTING OVERLAY, PATCHING, RECONSTRUCT ABUTMENT JOINTS AND OVERLAYING THE REMAINING PORTION OF THE BRIDGE. THE FINAL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS WILL BE PLACED AT THE END OF STAGE III.

TRAFFIC CONTROL - WESTBOUND TRAFFIC SHALL BE MOVED ONTO THE NEWLY OVERLAYED CENTER PORTION OF THE BRIDGE. A TEMPORARY DOUBLE YELLOW CENTERLINE AND TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED TO SEPARATE THE TWO LANES OF TRAFFIC.

OTHER TRAFFIC CONTROL NOTES:

- 1. ALL TEMP. PAVEMENT MARKINGS SHALL BE WET REFLECTIVE TEMP. MRK TAPE , TYPE III 4".
- 2. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED DURING STAGE I.

REVISIONS

3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.

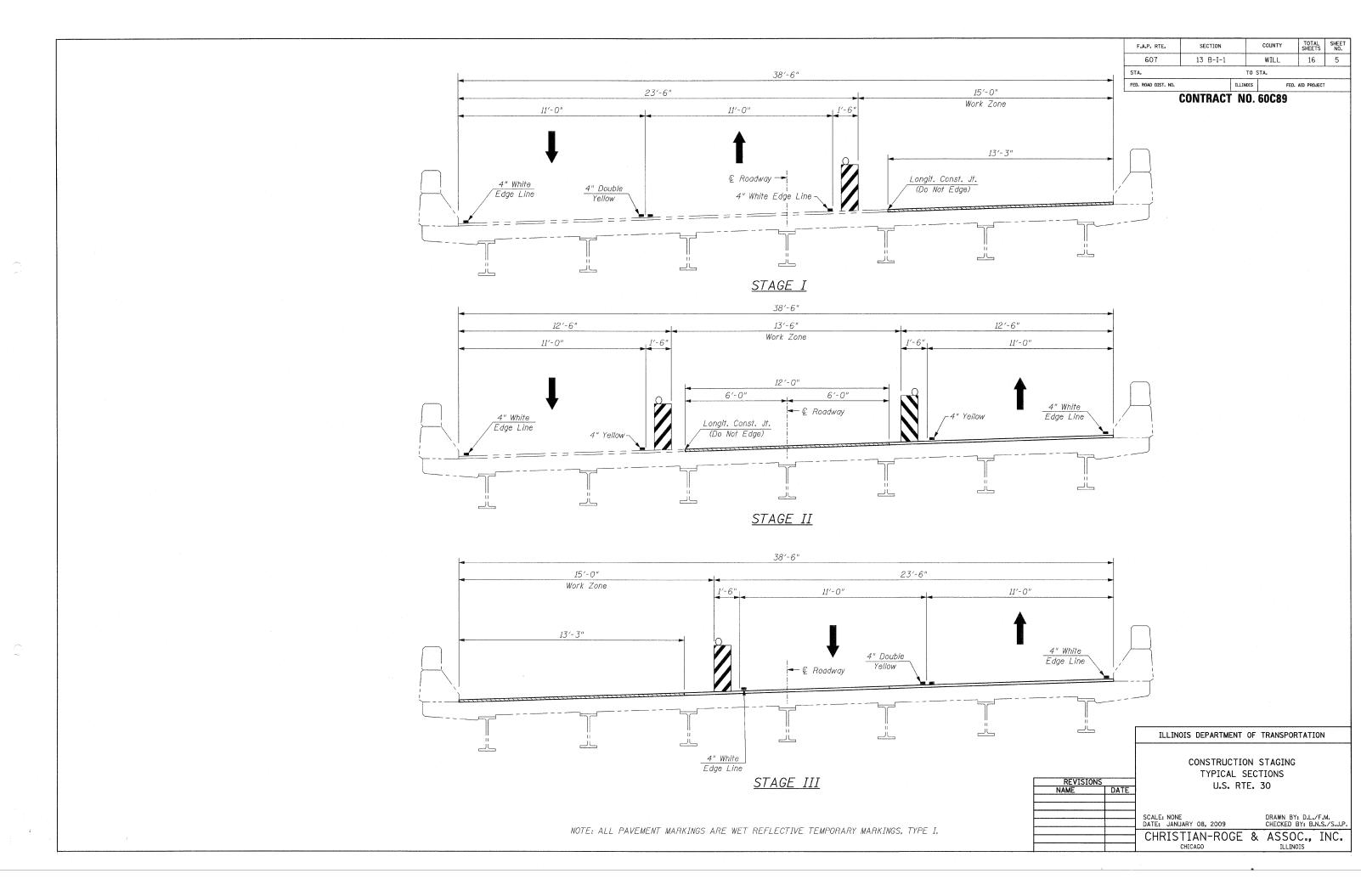
ILLINOIS DEPARTMENT OF TRANSPORTATION

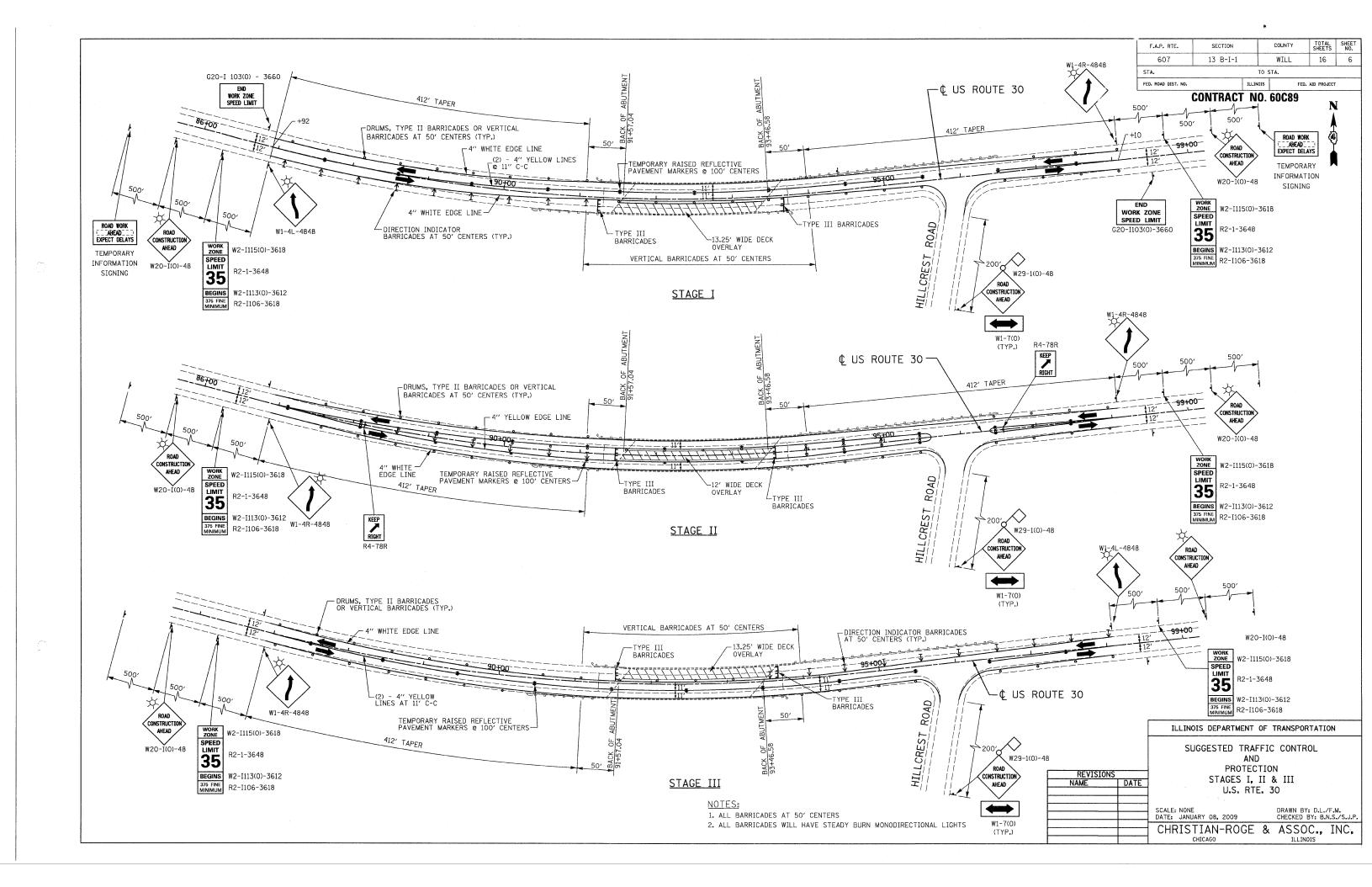
CONSTRUCTION STAGING NOTES. TEMPORARY PAVEMENT MARKING SCHEDULE & PERMANENT PAVEMENT MARKING SCHEDULE U.S. RTE. 30

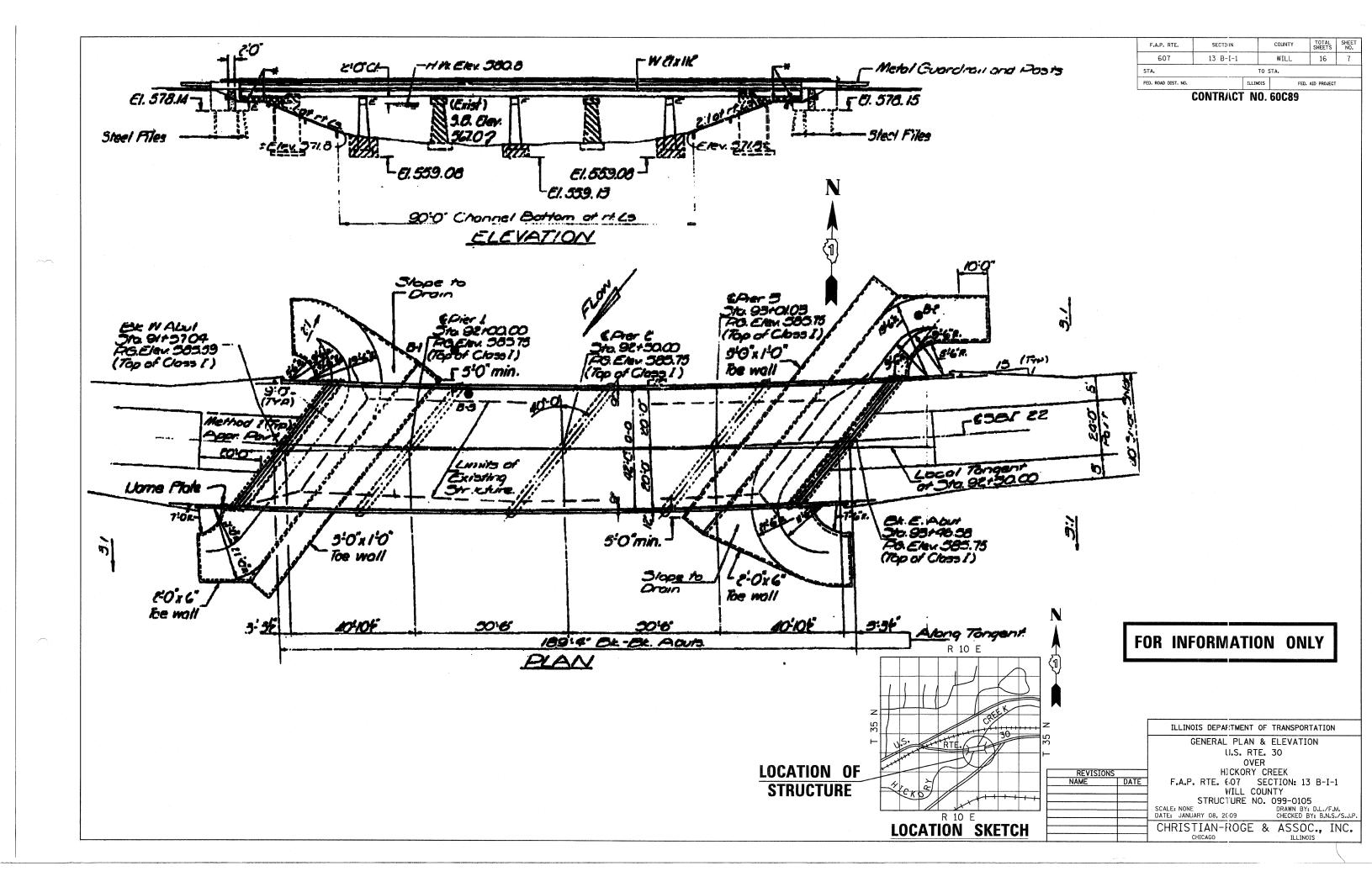
SCALE: NONE DATE: JANUARY 08, 2009

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

CHRISTIAN-ROGE & ASSOC., INC. CHTCAGO

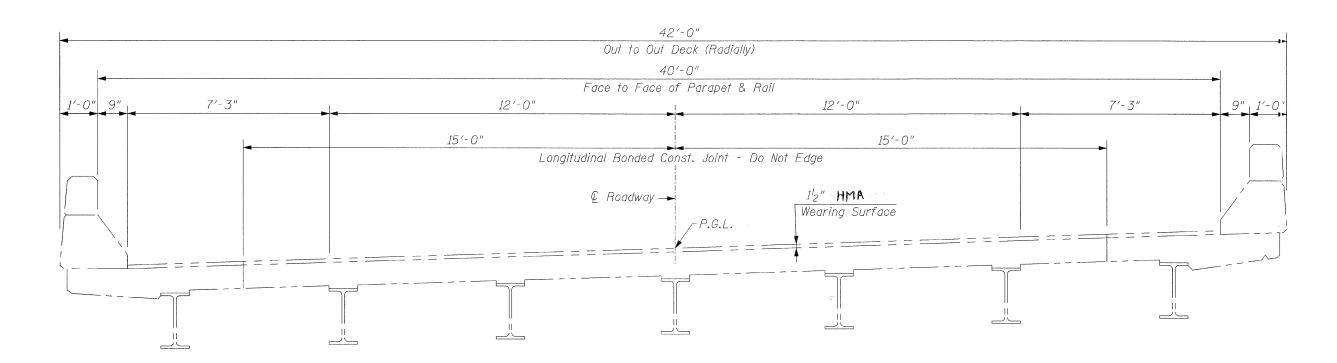






F.A.P. RTE.	SECTION	COUNTY	' ;	TOTAL SHEETS	SHEET NO.
607	13 B-I-1	WILL		16	8
STA.		TO STA.			-
FED. ROAD DIST. NO.	ILLI	NOIS	FED. AI	D PROJECT	

CONTRACT NO. 60C89



EXISTING DECK CROSS SECTION

(Looking East)

ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK CROSS SECTION

U.S. RTE. 30

OVER

HICKORY CREEK

F.A.P. RTE. 6.07 SECTION: 13 B-I-1

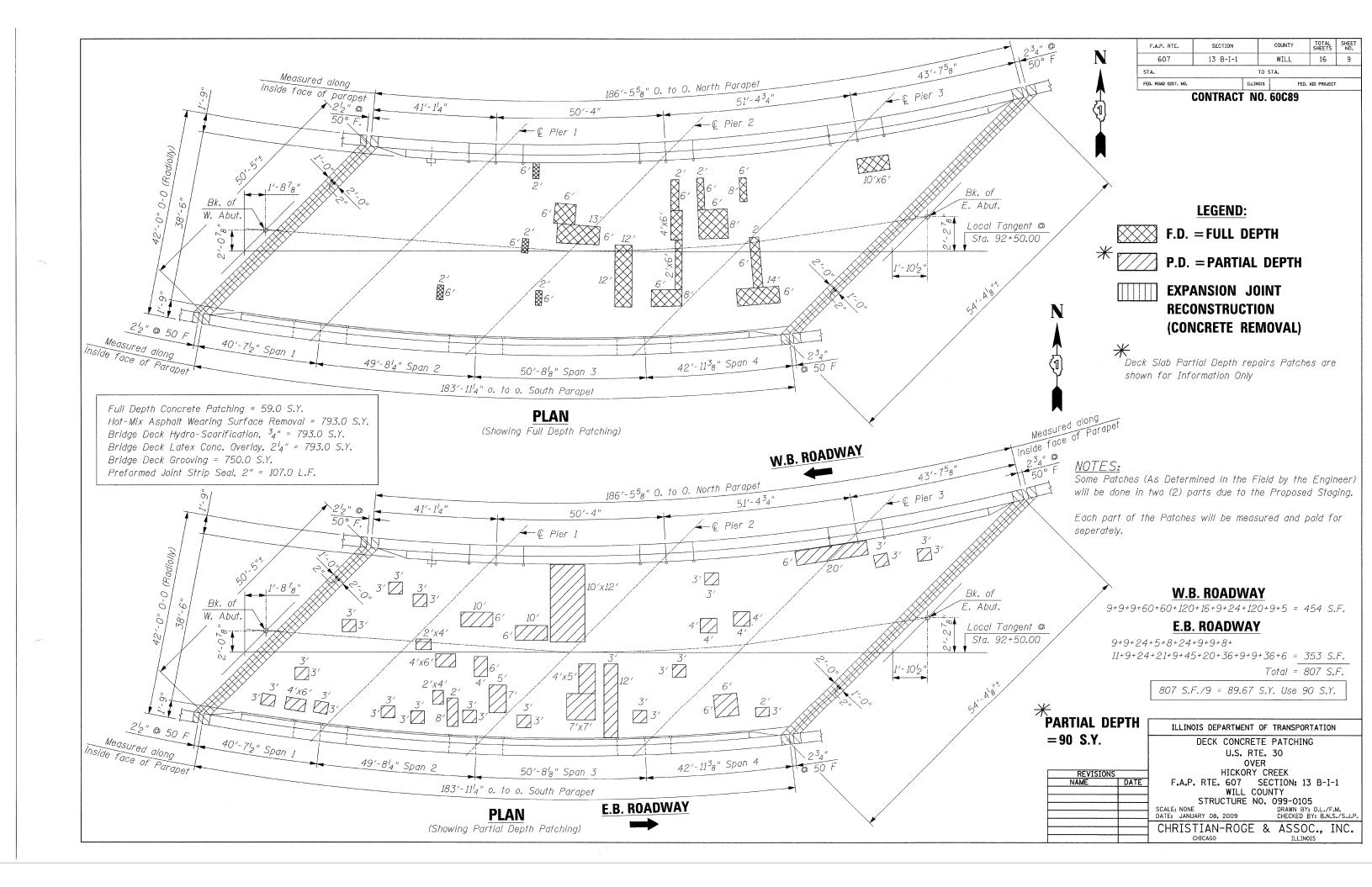
WILL COUNTY

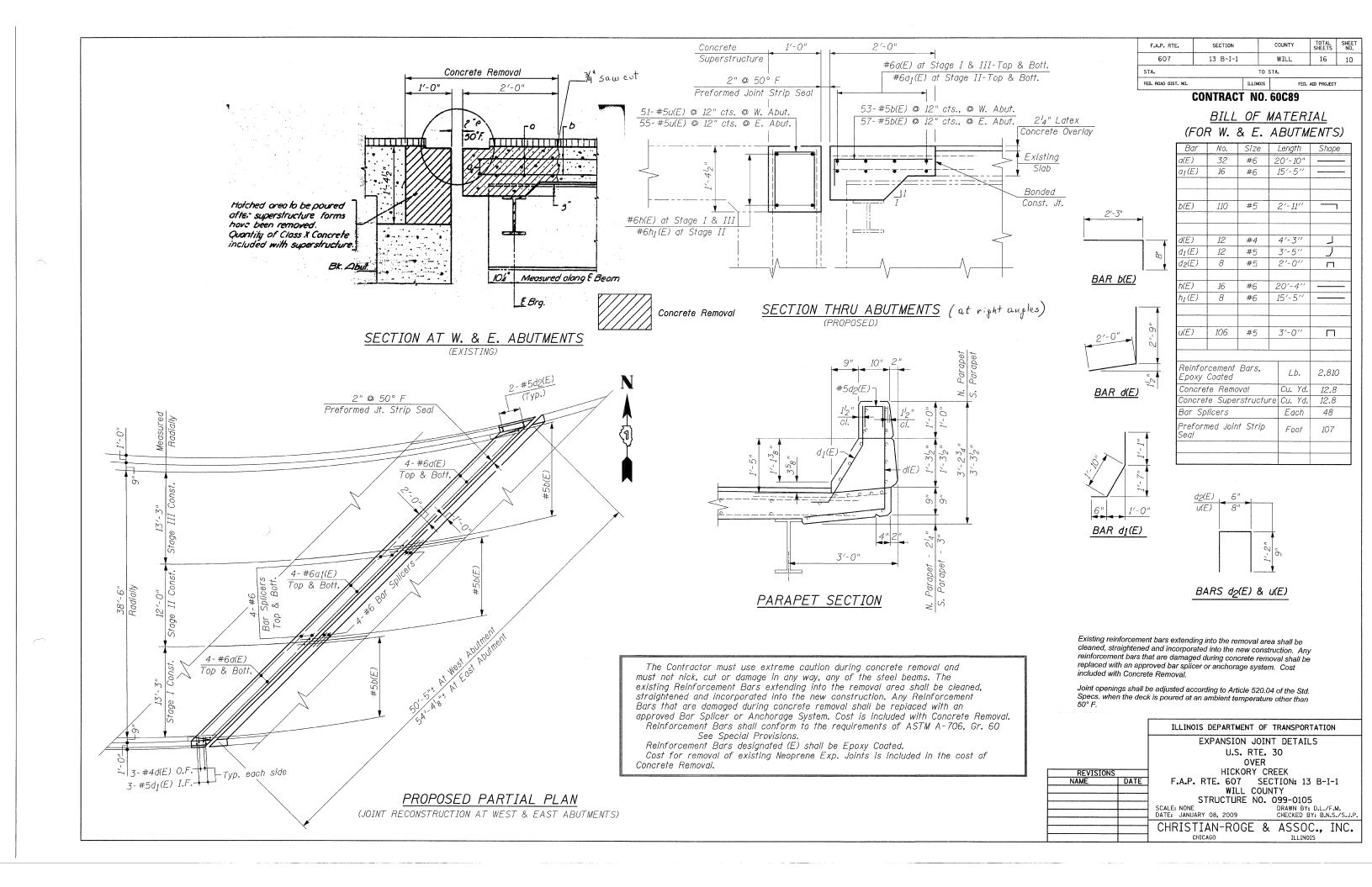
STRUCTURE NO. 099-0105

DRAWN BY: D.L./F.M.
DATE: JANUARY 08, 2009 CHECKED BY: B.N.S./S.J.P.

CHRISTIAN-ROGE & ASSOC., INC.

CHICAGO ILLINOIS





STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET NO. SHEET NO. 11 FAP 607 13 B-I-I WILL16 16 SHEETS

Contract No. 60C89

Notes:

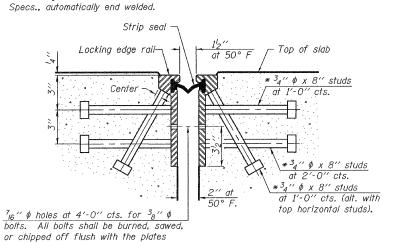
The strip seal shall be made continuous and shall have a minimum thickness of I_4 ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the

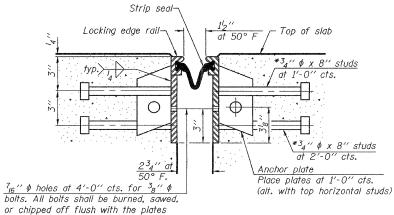
welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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



SECTION THRU

ROLLED RAIL JOINT

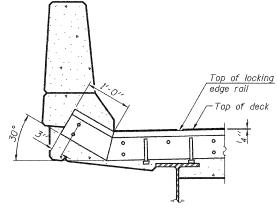


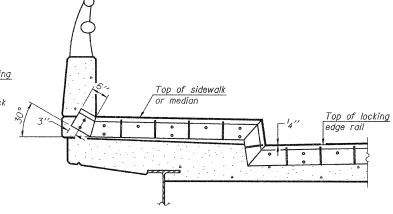
ANCHOR P

(for welded rail)

SECTION THRU WELDED RAIL JOINT

after forms are removed, typ.





AT PARAPET

AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

ROLLED EXTRUDED RAIL

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std.

after forms are removed, typ.

WELDED RAIL

1/2"

LOCKING EDGE

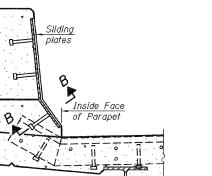
***Back gouge not required if complete joint penetration

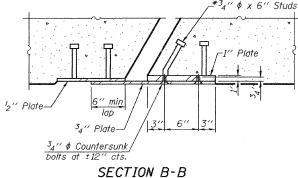
is verified by mock-up.

Grind Flush

The inside of the locking edge rail groove shall be free of weld residue.

RAIL SPLICE

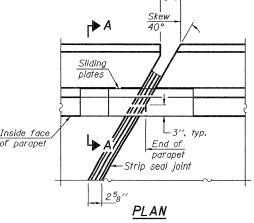


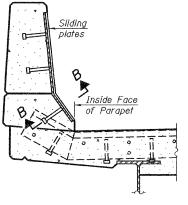


TYPICAL END TREATMENTS

<u>BILL OF MAT</u>	<u>ERIAL</u>	
Item	Unit	Total
Preformed Joint Strip Seal	Foot	107

LOCKING EDGE RAILS





SECTION A-A

POINT BLOCK DETAILS (for skews > 30°)

PREFORMED JOINT STRIP SEAL US 30 OVER HICKORY CREEK FAP 607 SECTION 13 B-I-1 WILL COUNTY SN 099-0105

EJ-SSJ

10-1-08

SHEET NO. ROUTE NO. TOTAL SHEET NO. 12 FAP 607 16 12 13 B-I-1 WILL FED. ROAD DIST, NO. 7

16 SHEETS

Contract No. 60C89

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

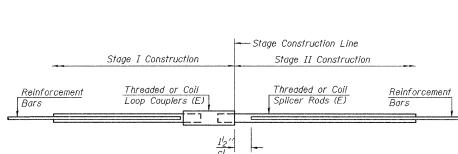
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$
- Minimum *Pull-out Strength = $0.66 \times fy \times A_t$ (Tension in kips)

Where fy = Yield strength of lapped reinforcement bars in ksi.

- A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

	BAR SPLICER ASSEMBLIES				
	4. C-15-12 D-4 -2	Strength Requirements			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension		
#4	1′-8′′	14.7	7.9		
#5	2'-2''	23.0	12.3		
#6	2'-7"	33.1	17.4		
#7	3′-5′′	45.1	23.8		
#8	4′-6′′	58.9	31.3		
#9	5′-9′′	75.0	39.6		
#10	7′-3′′	95.0	<i>50.3</i>		
#11	9'-0''	117.4	<i>61.8</i>		



STANDARD

Bar Size	No. Assemblies Required	Location
#6	48	Joint reconstruction at West & East Abutments

BAR SPLICER ASSEMBLY DETAILS US 30 OVER HICKORY CREEK FAP 607 SECTION 13 B-I-1 WILL COUNTY SN 099-0105

The diameter of this part is equal or larger than the o diameter of bar spliced.

The diameter of this part is the same as the diameter of the bar spliced.

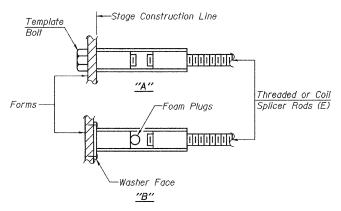
ROLLED THREAD DOWEL BAR

** ONE PIECE Wire Connector

WELDED SECTIONS

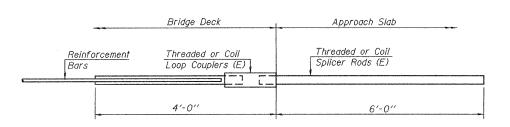
BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



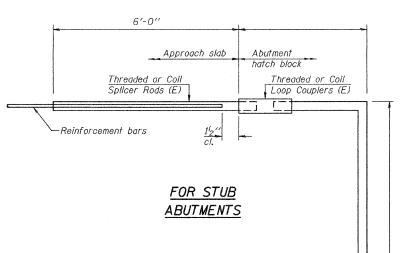
INSTALLATION AND SETTING METHODS

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

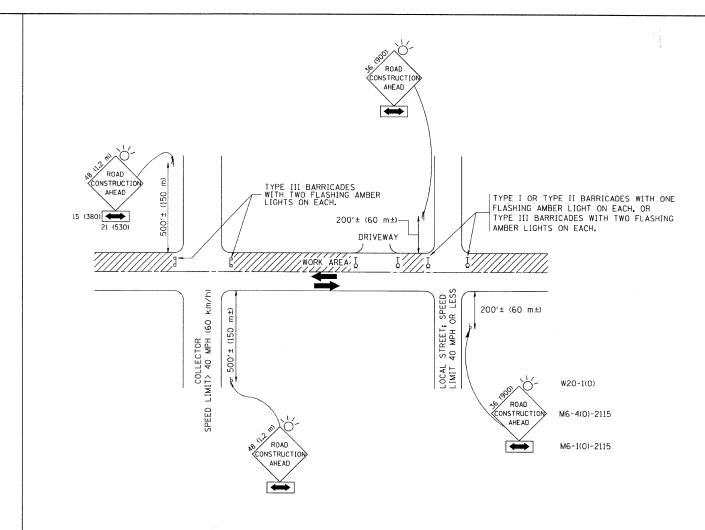


FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 12.3 kips - tension No. Required =



Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 12.3 kips - tension No. Required =



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER;
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROLLIF.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150), STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

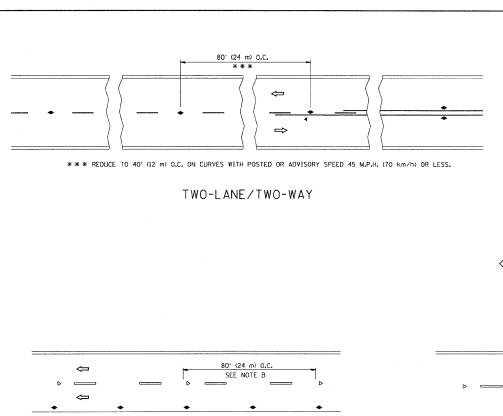
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = USER NAME = gaglianobt DESIGNED - LHA REVISED - J. OBERLE 10-18-95
Wi\distatd\22x34\to10.dgn

| DRAWN - REVISED - A. HOUSEH 03-06-96
| PLOT SCALE = 50.000 '/ IN. CHECKED - REVISED - A. HOUSEH 10-15-96
| PLOT DATE = 1/4/2088 DATE - 06-89 REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TRAFFIC CONTROL AND PROTECTION FOR					
	SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	607				
	OIDE HOADS, INTERIOEUTIONS, AND DIRECTALS					
COALE, NONE	CHEET NO. 1 OF 1 CHEETE STA MADIONS TO STA MADIONS					

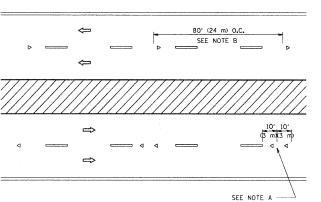


SEE NOTE A

 \Rightarrow

MULTI-LANE/UNDIVIDED

MULTI-LANE/DIVIDED



 \Rightarrow

 \Rightarrow

GENERAL NOTES

3 @ 40' (12 m) O.C.

LANE REDUCTION TRANSITION

- 1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- 2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- 3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

SYMBOLS

---- YELLOW STRIPE

1

SEE NOTE A-

TWO-WAY LEFT TURN

40' (12 m) O.C.

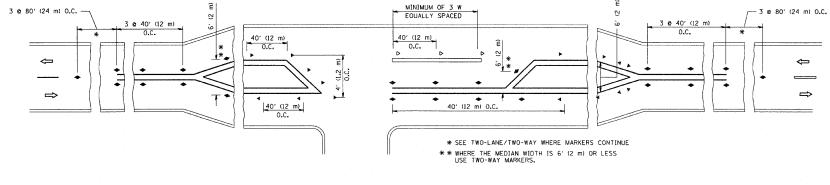
- WHITE STRIPE
- ONE-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/O)

TWO-WAY AMBER MARKER

DESIGN NOTES

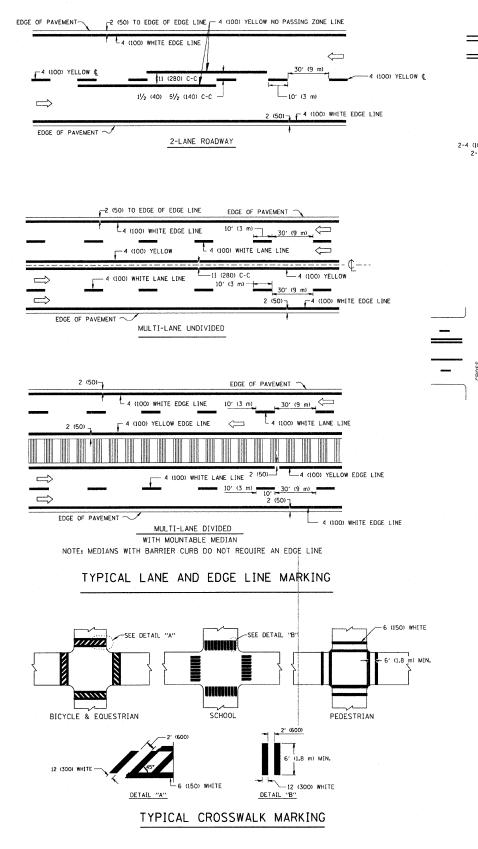
- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

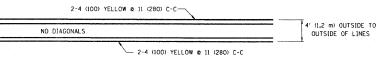


LEFT TURN

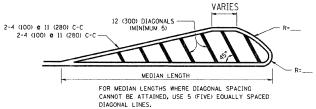
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = DESIGNED REVISED - T. RAMMACHER 09-19-94 COUNTY TOTAL SHEET NO. USER NAME = gaglianobt SECTION TYPICAL APPLICATIONS STATE OF ILLINOIS REVISED - T. RAMMACHER 03-12-99 W:\diststd\22x34\tcll.dqr DRAWN 13 B-I-1 WILL 16 14 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) PLOT SCALE = 50.000 '/ IN. CHECKED REVISED -T. RAMMACHER 01-06-00 **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60C89 TC-11 PLOT DATE = 1/4/2008 DATE REVISED SHEET NO. 1 OF 1 SHEETS STA. VARIOUS TO STA. VARIOUS



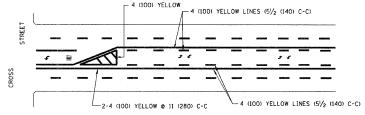


4' (1.2 m) WIDE MEDIANS ONLY

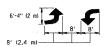


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1,2 m) WIDE

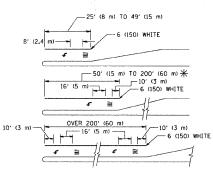


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

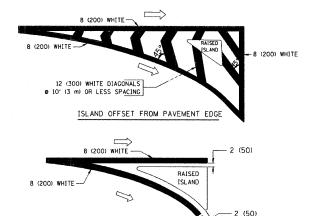


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SO. FT. (1.5 m²) ONLY AREA = 20.8 SO. FT. (1.9 m²)

* 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

ISLAND AT PAVEMENT EDGE

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 UNDIVEDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 © 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EGUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 & 6 (150) 12 (300) & 45° 12 (300) & 90°	SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (500) APART 2' (500) 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	DIACONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"3.6 SO. FT. (0.33 m²) EACH "X"=54.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) c 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) T0 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))

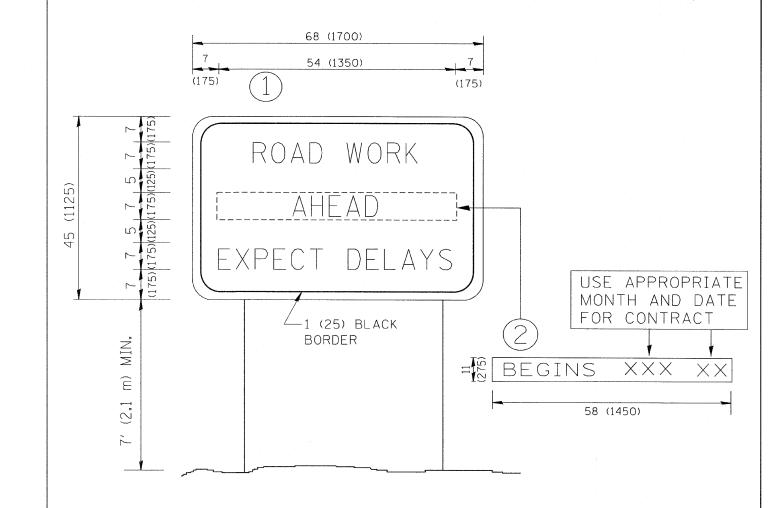
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

		 	
ILE NAME =	USER NAME = gaglianobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
s\diststd\22x34\tcl3.dgn		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	DISTRICT ONE TYPICAL PAVEMENT MARKINGS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					607	13 B-I-1	WILL	16	15
I	ITPICAL PAVENIENI INARKINGS					TC-13	CONTRACT	NO. 60	C89
١	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA, VARIOUS	TO STA. VARIOUS	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 =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97		ARTERIAL ROAD	FAP. SECTION	COUNTY TOT	TAL SHEET
W:\diststd\22x34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS		607 13 B-I-1	31161	16 16
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN	TC-22	CONTRACT NO.). 60C89
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. VARIOUS TO STA, VARIOUS		AID PROJECT	