STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE CITY OF PALOS HILLS

AND THE VILLAGE OF WORTH

# PROPOSED HIGHWAY PLANS

FAP ROUTE 348: IL 43
OVER STONY CREEK
SECTION 3128-Z-B-1
BRIDGE REPAIR & RESURFACE APPROACHES
STRUCTURE NO. 016-0322
COOK COUNTY

C-91-089-08

PROJECT: ESP-0348(042)

**R12E** 

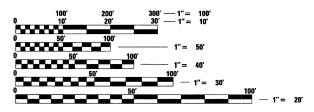
**R13E** 

IMPROVEMENT BEGINS STA. 177 + 96

T37N

TRAFFIC DATA

2006 ADT = 45,100 VEHICLES PER DAY SPEED LIMIT = 35 MPH



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

J.U.L.I.I

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: MICHELLE AQUINO (847) 705–4606 PROJECT MANAGER: LONG TRAN (847) 705–4232 BRITOCEVIEW

STITL ST

HICKORY HILLS

PALOS HILLS

CALIBET SAG CHANNEL

119th ST

PALOS TOWNSHIP

**WORTH TOWNSHIP** 

GROSS & NET LENGTH OF PROJECT = 214 FT = 0.04 MILES



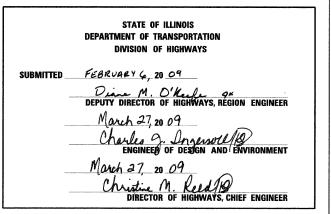
**IMPROVEMENT ENDS** 

STA. 184 + 10



D-91-089-08







Excellence through Ownership

License # 184-000813

200 West Front Street Wheaton, II 60187

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 60D70

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* 8	INTERCONNECT SCHEMATICS
9-14	TRAFFIC SIGNAL SCHEMATICS
15	ALTERNATE ROUTE PLAN
16	GENERAL PLAN AND ELEVATION
1 7	TYPICAL CROSS SECTIONS WITH STAGING
18	EXPANSION JOINT REMOVAL AT DECK
19	EXPANSION JOINT REHABILITATION AT DECK
20	EXPANSION JOINT REHABILITATION AT PARAPET AND WINGWALL
21	LONGITUDINAL JOINT DETAILS
22	PARAPET REHABILITATION
23	PREFORMED JOINT STRIP SEAL
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28	PIER REPAIRS I
29	PIER REPAIRS II
30	BUTT JOINTS AND HMA TAPER
31	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
32	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
33	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
34	ARTERIAL ROAD INFORMATION SIGN
. 35	DRIVEWAY ENTRANCE SIGNING

#### GENERAL NOTES - ROADWAY

1.	BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL	
	"J.U.L.I.E." AT (800)892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC,	
	TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)	

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE
- ALL DAMAGE TO EXISTING PAVEMENT MARKING OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMIM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- 10. THE ENGINEER SHALL CONTACT PATRICE HARRIS TRAFFIC FIELD ENGINEER (OR TECHNICIAN), AT (708)597-9800 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 11. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM BRIDGE 12.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- 14. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC., SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. THE COST OF SAW CUTTING REMOVAL ITEMS SHALL BE INCLUDED IN THE UNIT PRICES OF THESE ITEMS.

#### GENERAL NOTES - TRAFFIC CONTROL & PROTECTION

- STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. AT HIS OPTION, THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL.
- TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OF CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRATOR SHALL RESPONSE TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN THE DELAY THE THROUGH SHOWN THROUGH SHOWN THROUGH SHOWN THROUGH SHOWN THE THROUGH SHOWN T TWO HOURS FROM THE TIME OF NOTIFICATION.
- ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

#### STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
51 5001 - 03	NAME PLATE FOR BRIDGES
701 301 - 03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701 901 - 01	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001 - 02	TYPICAL PAVEMENT MARKINGS
781 001 - 03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

SCALE: 1

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2/12/2009	K:\112255Ø2\C1v1	\$PLT_SCALE\$	JTraceu	Default
п		п	II	п
DATE	NAME	SCALE	NAME	

		SUMMARY OF QUANTITIES		TOTAL	CONSTRUCTION TYPE CODE BRIDGE SN 016-0322 1001 FEO. SFTY-2A
-	CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY	QUANTITY
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	85	85
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	23	23
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	50	50
	40603 <b>5</b> 95	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	52	52
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	90	90
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	527	527
	44000600	SIDEWALK REMOVAL	SQ FT	90	90
	44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	676	676
	50102400	CONCRETE REMOVAL	CU YD	102.7	102.7
	50104000	BRIDGE RAIL REMOVAL	FOOT	211	211
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	117.1	117.1
	50300260	BRIDGE DECK GROOVING	SQ YD	612	612
	50300300	PROTECTIVE COAT	SQ YD	336	336
	50606701	JACK AND REMOVE EXISTING DEARINGS CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION I REINFORCEMENT BARS, EPOXY COATED	-L SUM - SUM POUND	16,070	16,070
	50800515	BAR SPLICERS	EACH	48	48
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	200	200
	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	48	48
		MOBILIZATION	·L SUM	1	1
		ENGINEER'S FIELD OFFICE, TYPEA TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	171	171
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	57	57
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	694	694
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	24	24
*		RAISED REFLECTIVE PAVEMENT MARKER RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH EACH	24	24
	78100105				
	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	4	4
	78100105 78300100 78300200	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) PAVEMENT MARKING REMOVAL	EACH SQ FT	54	4 54
*	78100105 78300100 78300200 81100700	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) PAVEMENT MARKING REMOVAL RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH SQ FT EACH	54	4 54 18
*	78100105 78300100 78300200 81100700 81300835	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)  PAVEMENT MARKING REMOVAL  RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL	EACH SO FT EACH FOOT	54 18	4 54 18
*	78100105 78300100 78300200 81100700 81300835 85000200	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)  PAVEMENT MARKING REMOVAL  RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"×18"×10"	EACH SQ FT EACH FOOT EACH	4 54 18	4 54 18 <b>60</b> 2

*	SPECIALTY	ITEM
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					URBAN
		SUMMARY OF QUANTITIES		T07.	CONSTRUCTION TYPE CODE BRIDGE SN 016-0322 1001. FED.
	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SFTY-2A QUANTITY
		BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 #NCHES	SQ YD	634	634
		TEMPORARY INFORMATION SIGNING	SQ FT	77	77
		STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	3	3
		STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES		22	22
	X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	2,061	2,061
	Z0006202	BRIDGE DECK HYDRO-SCARIFICATION 3/4"	SQ YD	634	634
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20	20
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	4	4
	Z0073300	TEMPORARY SHORING AND CRIBBING	L SUM	1	1
*	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	LSUM	1	1
*	X0326357	ROADWAY LIGHTING MODIFICATIONS	L SUM	1	1
_			•		<b>.</b>
		REMOVE JUNCTION BOX	EACH	6	6
		ROADWAY LIGHTING CONDUIT REMOVAL	FOOT	40	40
*	81300550	VUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x 12"x 6"	EACH	4	4
×	X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	3	3
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			***************************************	<b> </b>	

<sup>\*</sup> SPECIALTY ITEM \* Yobo

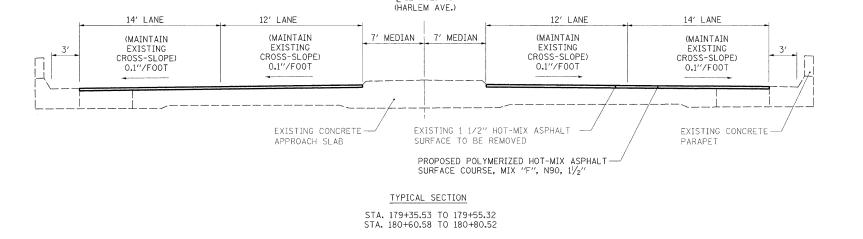
<b>rjn</b> group	_
Excellence through Ownership	

				<u> </u>	
, II 60187	DATE	-	1/30/09	REVISED	798
Front Street	CHECKED	-	M.K.	REVISED	-
	DRAWN	-	J.T.T.	REVISED	-
	DESIGNED	-	B.B.	REVISED	***

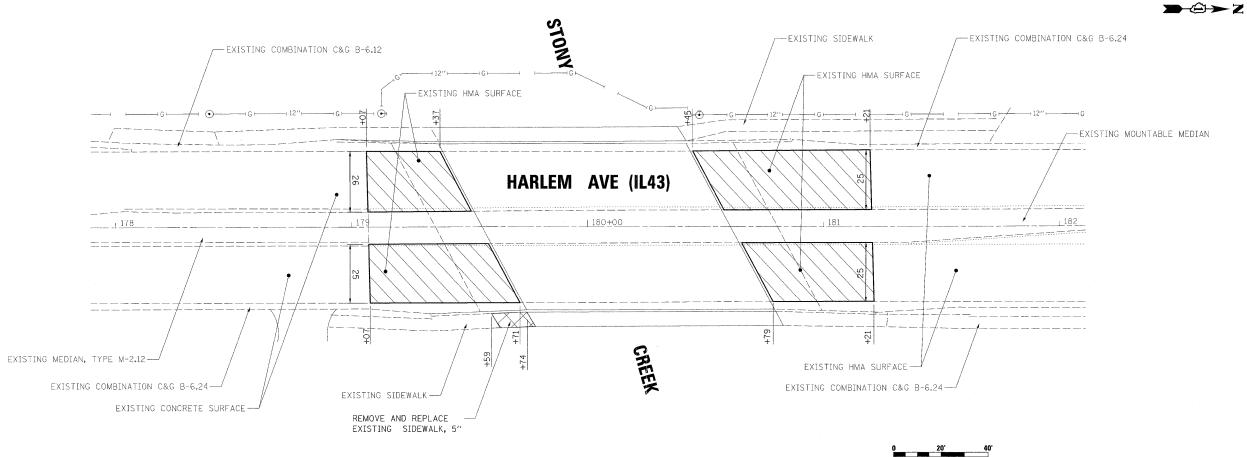
URBAN

URBAN

PROP. HOT-MIX ASPHALT SURFACE REMOVAL,  $2/\!\!\!/_2$ " PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90,  $1/\!\!\!/_2$ "



¢ IL RTE. 43



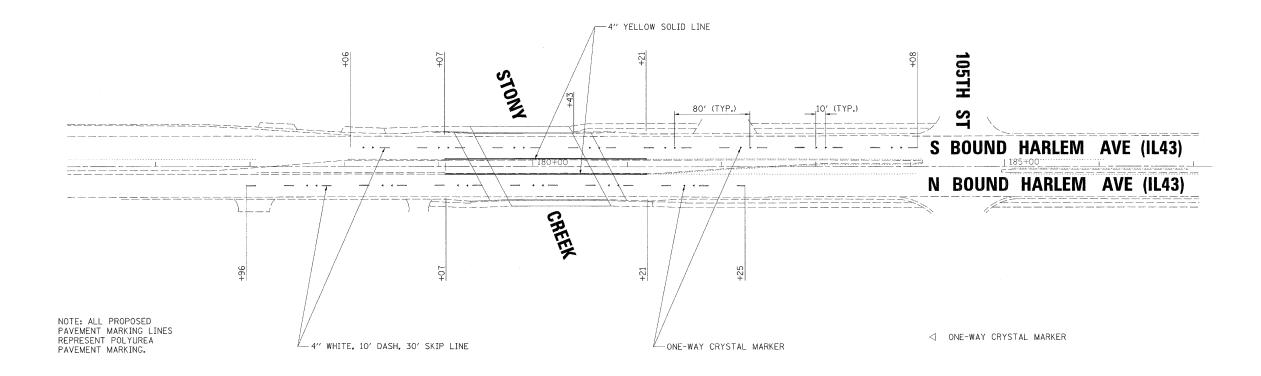
MIXTURE REQUIREME	NTS	
MIXTURE USES	AC TYPE	VOIDS
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, IL-9.5mm	SBS / SBR PG 70-22	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, IL-9.5mm	PG 64-22 *	4% @ 70 GYR.

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.

\*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

win orolla		DESIGNED -	B.B.	REVISED -		IL-43 OVER STONY CREEK	ROADWAY PLAN	F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
<u>ringroup</u>		DRAWN -	J.T.T.	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016-0322		348	3128-Z-B-1	соок	35	4
	200 West Front Street	CHECKED -	M.K.	REVISED -	DEPARTMENT OF TRANSPORTATION	0111001011E NO. 010-0322				CONTRAC	T NO. 60	D70
Excellence through Ownership	Wheaton, II 60187	DATE -	1/30/09	REVISED -		SCALE: 1:20 SHEET NO. 4 OF 35 SI	HEETS   STA. TO STA.	FED. ROAD DIS	r. NO. 1   ILLINOIS FED.	AID PROJECT		



rjngroup

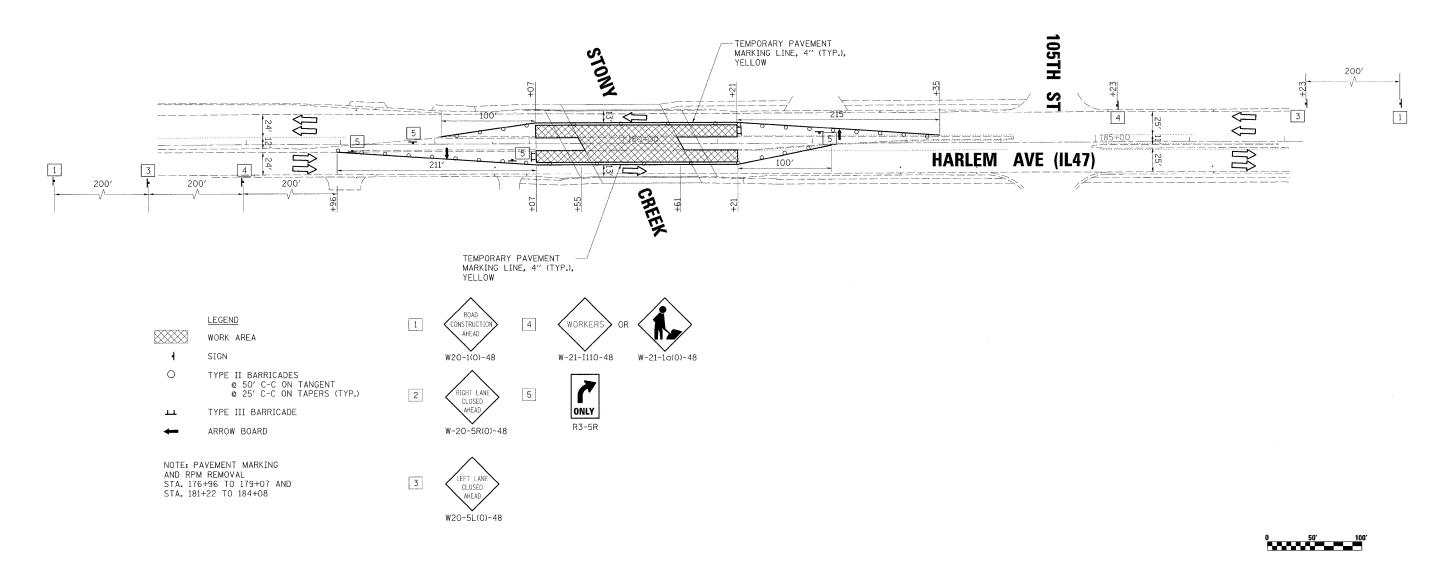
DESIGNED -B.B. REVISED DRAWN J.T.T. REVISED CHECKED M.K. REVISED 200 West Front Street Wheaton, II 60187 1/30/09 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-43 OVER STONY CREEK STRUCTURE NO. 016-0322 SHEET NO. 5 OF 35 SHEETS STA.

PAVEMENT MARKING **PLAN** TO STA.

F.A.P. RTE. 348 COUNTY TOTAL SHEET NO. COOK 35 5 SECTION 3128-Z-B-1 CONTRACT NO. 60D70
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



DATE = 2/12/2009 HAME = k:\ll255G2SoviN\ll43\sheets\MOT\_IL43.dgn SCALE = sPT\_SCALE\$

rjngroup

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 IL-43 OVER STONY CREEK
 MAIN

 STRUCTURE NO. 016-0322
 SCALE: 1:50
 SHEET NO. 6 OF 35 SHEETS STA.

MAINTENANCE OF TRAFFIC STAGE 1

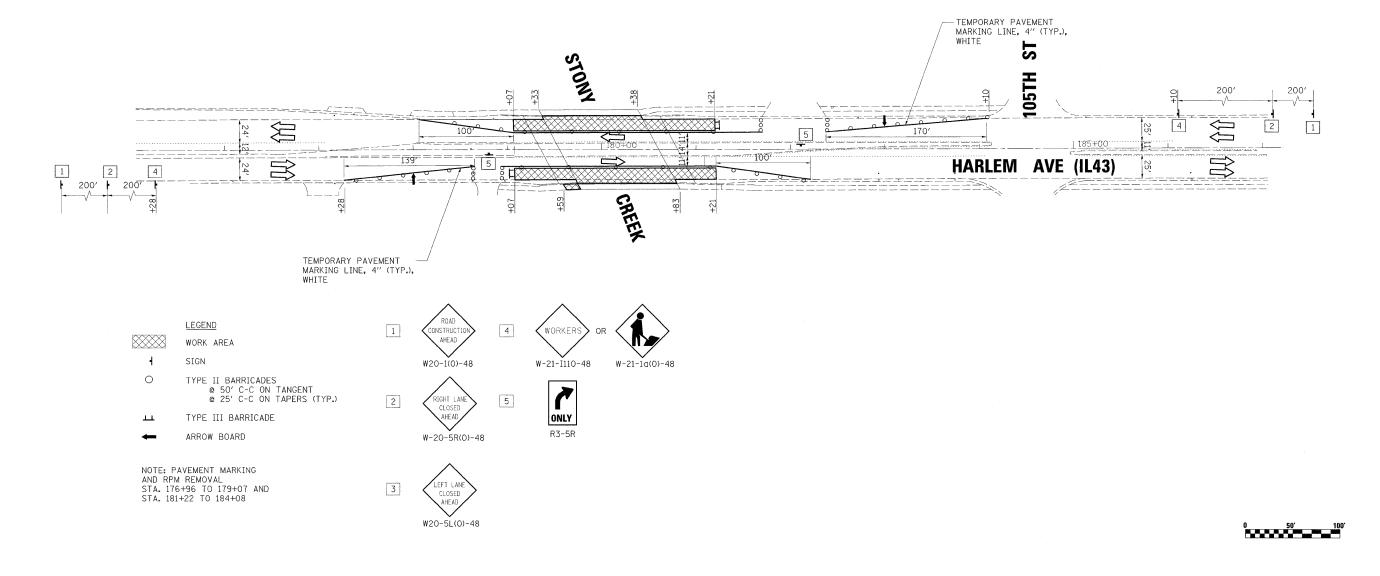
TO STA.

F.A.P. SECTION COUNTY SHEETS NO.

348 3128-Z-B-1 COOK 35 6

CONTRACT NO. 60D70





ATE = 2/12/2809 ATIZZES02/covilvil43/sheets/MDT\_IL43.dc CALE = \$PLT\_SCALE\$ AME = UTracog

ringroup

Excellence through Ownership

DESIGNED - B.B. REVISED 
DRAWN - J.T.T. REVISED 
OWest Front Street heaton, II 60187 - 1/30/09 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-43 OVER STONY CREEK
STRUCTURE NO. 016-0322

SCALE: 1:50 SHEET NO. 7 OF 35 SHEETS STA.

MAINTENANCE OF TRAFFIC STAGE 2

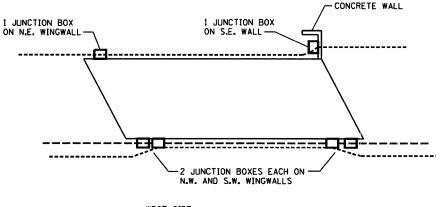
 NOT TO SCALE

#### BILL OF MATERIAL

CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL	FOOT	60
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"	EACH	4•
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x18"x10"	EACH	2•
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
MODIFY EXISTING CONTROLLER	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1200
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	3
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	l Sum	1
REMOVE JUNCTION BOX	EACH	6
ROADWAY LIGHTING CONDUIT REMOVAL	FOOT	40
	2 1/2" DIA., GALVANIZED STEEL  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x18"x10"  MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION  MODIFY EXISTING CONTROLLER  REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT  MAINTENANCE OF LIGHTING SYSTEM  TEMPORARY WIRELESS INTERCONNECT, COMPLETE  REMOVE JUNCTION BOX	2 1/2" DIA., GALVANIZED STEEL  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x18"x10"  MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION  MODIFY EXISTING CONTROLLER  REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT  MAINTENANCE OF LIGHTING SYSTEM  CAL MO  TEMPORARY WIRELESS INTERCONNECT, COMPLETE  REMOVE JUNCTION BOX  EACH

• LARGE BOXES ARE FOR FIBER OPTIC INTERCONNECT CABLE: SMALL BOXES ARE FOR ROADWAY LIGHTING CABLE

#### EAST SIDE REMOVE AND REPLACE 1 JUNCTION BOX (ROADWAY LIGHTING) EACH LOCATION ..



WEST SIDE REMOVE AND REPLACE 2 JUNCTION BOXES (1 ROADWAY LIGHTING & 1 INTERCONNECT) EACH LOCATION \*\*

#### **DETAIL A**

#### NOTES

- EXISTING FIBER OPTIC CABLE SHALL BE PULLED OUT OF THE EXISTING CONDUIT, STARTING AT THE EXISTING CONTROLLER BOX AT IL-43 AND SOUTHWEST HIGHWAY (LOCATION \*1), ALL THE WAY TO THE FIRST HANDHOLE NORTH OF THE BRIDGE (LOCATION \*2). THIS CABLE SHALL BE SPOOLED UP NEAR LOCATION \*2 AND PROTECTED ON-SITE FOR THE DURATION OF THE BRIDGE CONSTRUCTION. AFTER BRIDGE CONSTRUCTION IS COMPLETED AND NEW JUNCTION BOXES AND CONDUIT ARE IN PLACE, THE EXISTING CABLE SHALL BE REINSTALLED IN THE CONDUIT, ALL THE WAY BACK TO THE CONTROLLER BOX AT LOCATION \*1. COST INCLUDED WITH "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".
- 2. REMOVAL OF FIBER OPTIC CABLE SHALL NOT BEGIN UNTIL ALL COMPONENTS OF THE TEMPORARY WIRELESS INTERCONNECT SYSTEM ARE IN PLACE AND OPERATIONAL.
- 3. ESTIMATED LENGTH OF INTERCONNECT CABLE TO BE REMOVED AND REINSTALLED = 900 FEET.
- 4. THE TWO EXISTING ROADWAY LIGHTING CABLES SHALL BE CUT AT THE JUNCTION BOXES AT THE NORTH END OF THE BRIDGE, PULLED THROUGH THE CONDUIT AND JUNCTION BOX AT THE SOUTH END OF THE BRIDGE TO THE NEAREST HANDHOLE SOUTH OF THE BRIDGE, THEN SPOOLED UP AND PROTECTED NEAR THAT LOCATION FOR THE DURATION OF THE BRIDGE CONSTRUCTION. AFTER BRIDGE CONSTRUCTION IS COMPLETE AND NEW CONDUIT AND JUNCTION BOXES ARE IN PLACE, THE EXISTING CABLE SHALL BE REINSTALLED, AND FIELD-SPLICED WITHIN THE NEW JUNCTION BOXES AT THE NORTH END OF THE BRIDGE. COST INCLUDED WITH "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".
- 5. REMOVAL OF ROADWAY LIGHTING CABLE SHALL NOT BEGIN UNTIL ALL PARTS ARE IN PLACE AND FUNCTIONAL TO ALLOW THE CONTINUED OPERATION OF THE EXISTING ROADWAY
- 6. ESTIMATED LENGTH OF ROADWAY LIGHTING CABLE TO BE REMOVED AND REINSTALLED = 150 FEET AT EACH\_LOCATION (ONE ATTACHED TO EAST SIDE, ONE ATTACHED TO WEST SIDE).
- 7. A NOMINAL QUANTITY OF 10 FEET OF NEW CONDUIT HAS BEEN PROVIDED AT EACH OF THE SIX JUNCTION BOX LOCATIONS, IN THE EVENT THAT CONDUIT IN THESE LOCATIONS NEEDS TO BE REMOVED AND REPLACED. REMOVAL OF THE EXISTING ROADWAY LIGHTING CONDUIT, IF NEEDED, SHALL BE PAID FOR AS "ROADWAY LIGHTING CONDUIT REMOVAL". REMOVAL OF THE EXISTING TRAFFIC SIGNAL INTERCONNECT CONDUIT, IF NEEDED, IS INCLUDED WITH THE CONTRACT UNIT PRICE BID FOR "JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"X10"X10" ".
- 8. ANY HARDWARE OR ACCESSORIES REQUIRED TO ATTACH THE NEW CONDUIT TO THE NEW JUNCTION BOXES OR TO THE EXISTING CONDUIT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE BID FOR "CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL".
- 9. SEE TRAFFIC SIGNAL SPECIFICATIONS AND SPECIAL PROVISIONS FOR MORE INFORMATION.

rjngroup Excellence through Ownership

DESIGNED -CHECKED DATE

B.B. REVISED REVISED REVISED M.K. 1/30/09 REVISED

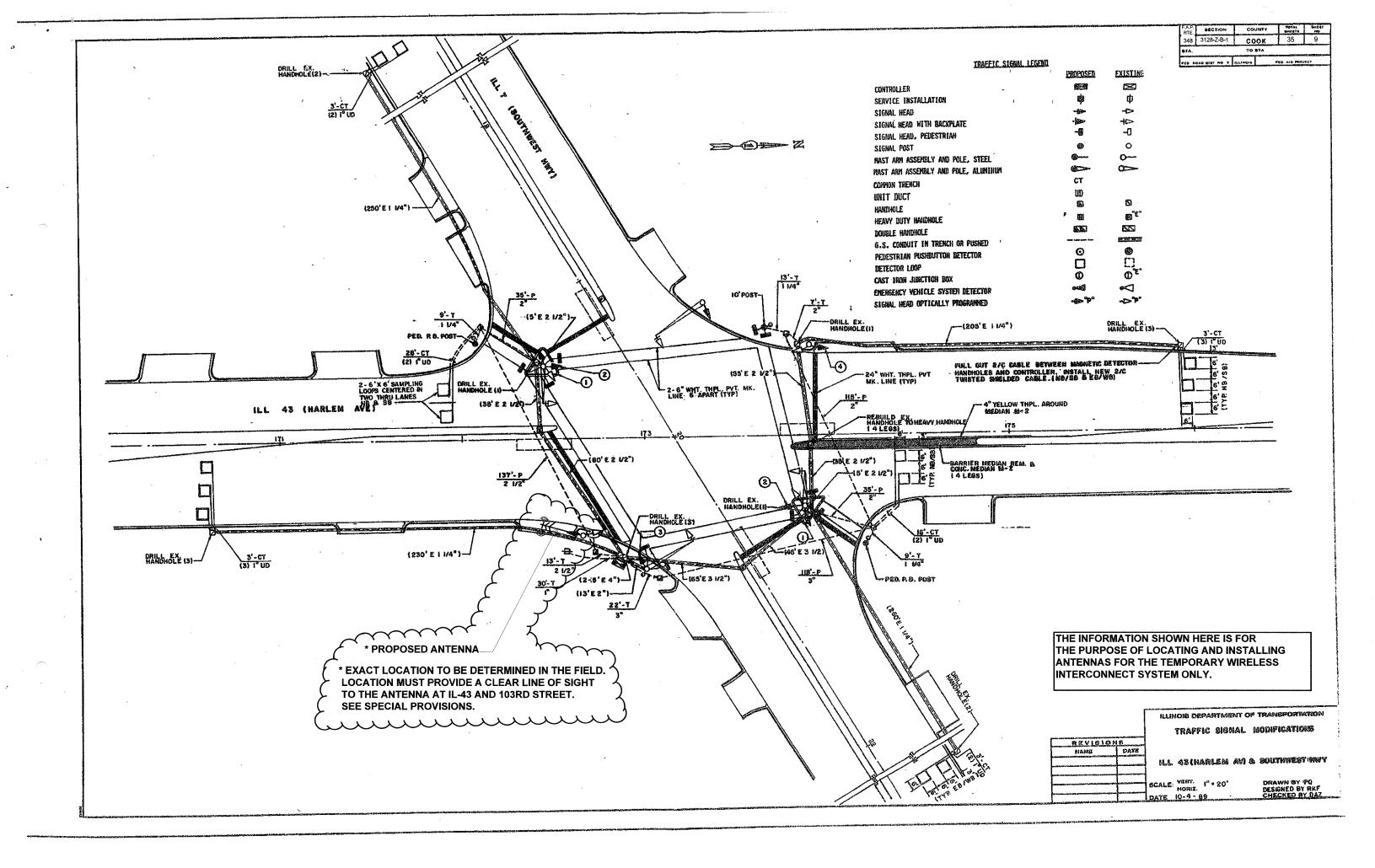
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  IL-43 OVER STONY CREEK **STRUCTURE NO. 016-0322** 

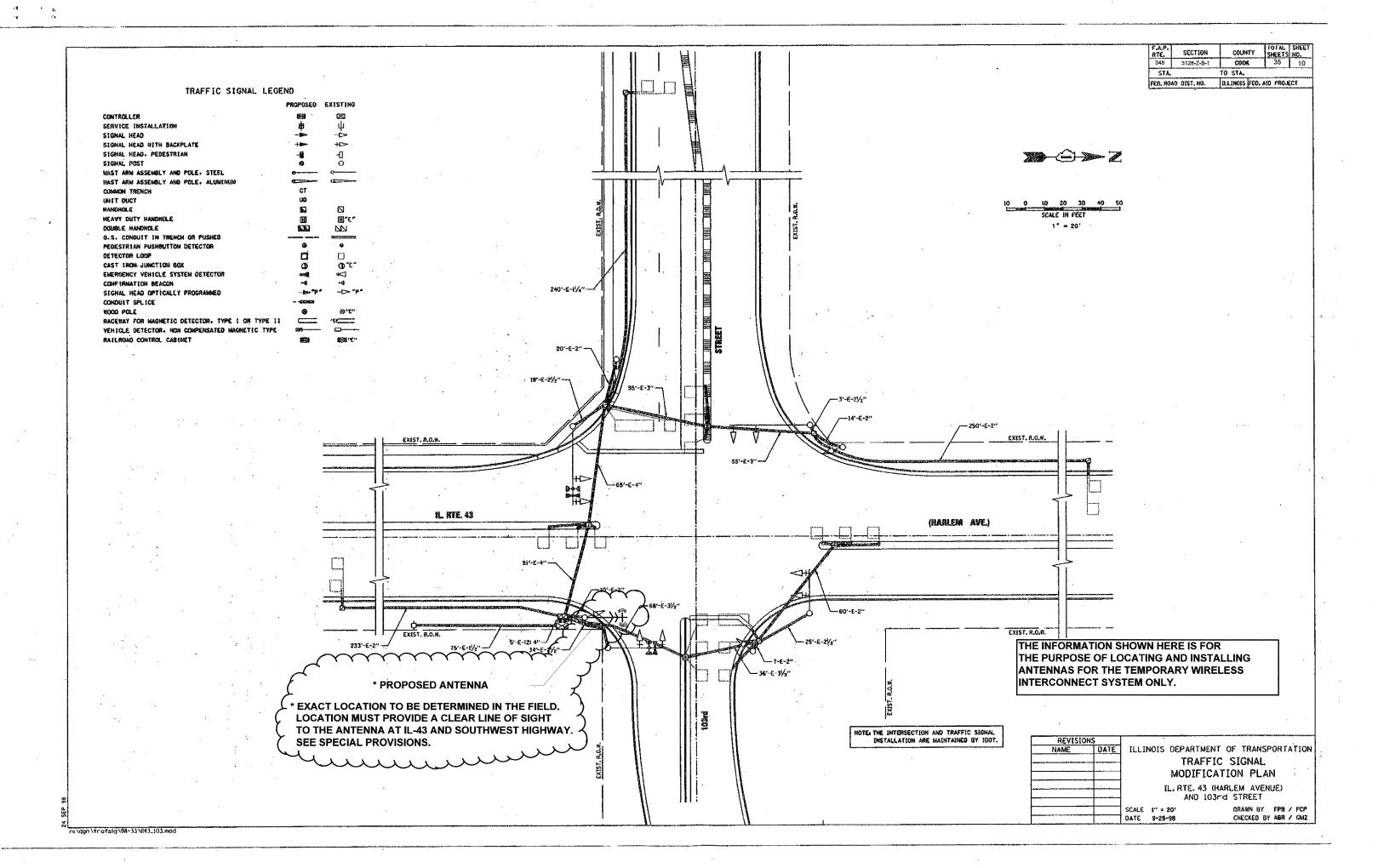
SHEET NO. 8 OF 35 SHEETS STA.

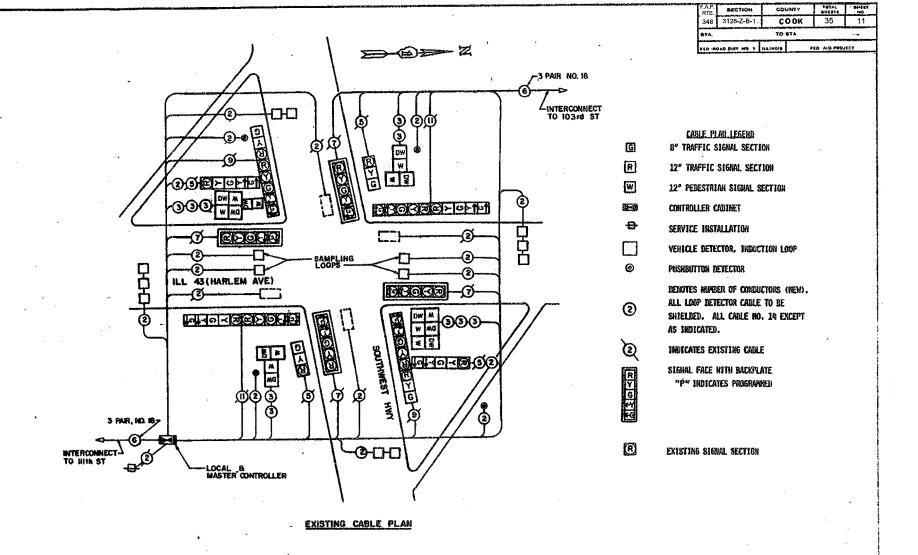
**INTERCONNECT SCHEMATICS** 

TO STA.

COUNTY TOTAL SHEE NO. F.A.P. RTE. SECTION COOK 3128-Z-B-1 35 CONTRACT NO. 60D70







#### FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN SCHEDULE OF QUANTITIES

DATE ILL. 43(HARLEM AVI & SOUTHWEST WAY

> SCALE: VERT. NONE DATE 10-11-89

MEAISIONS

DRAWN BY PO DESIGNED BY 'RKF CHECKED BY DAZ

RTE.		1	TY di	NERTE .	NO
348	3128-Z-B-1	COO	K	35	12
STA.		TO ST.	A .		

#### SEQUENCE OF OPERATIONS

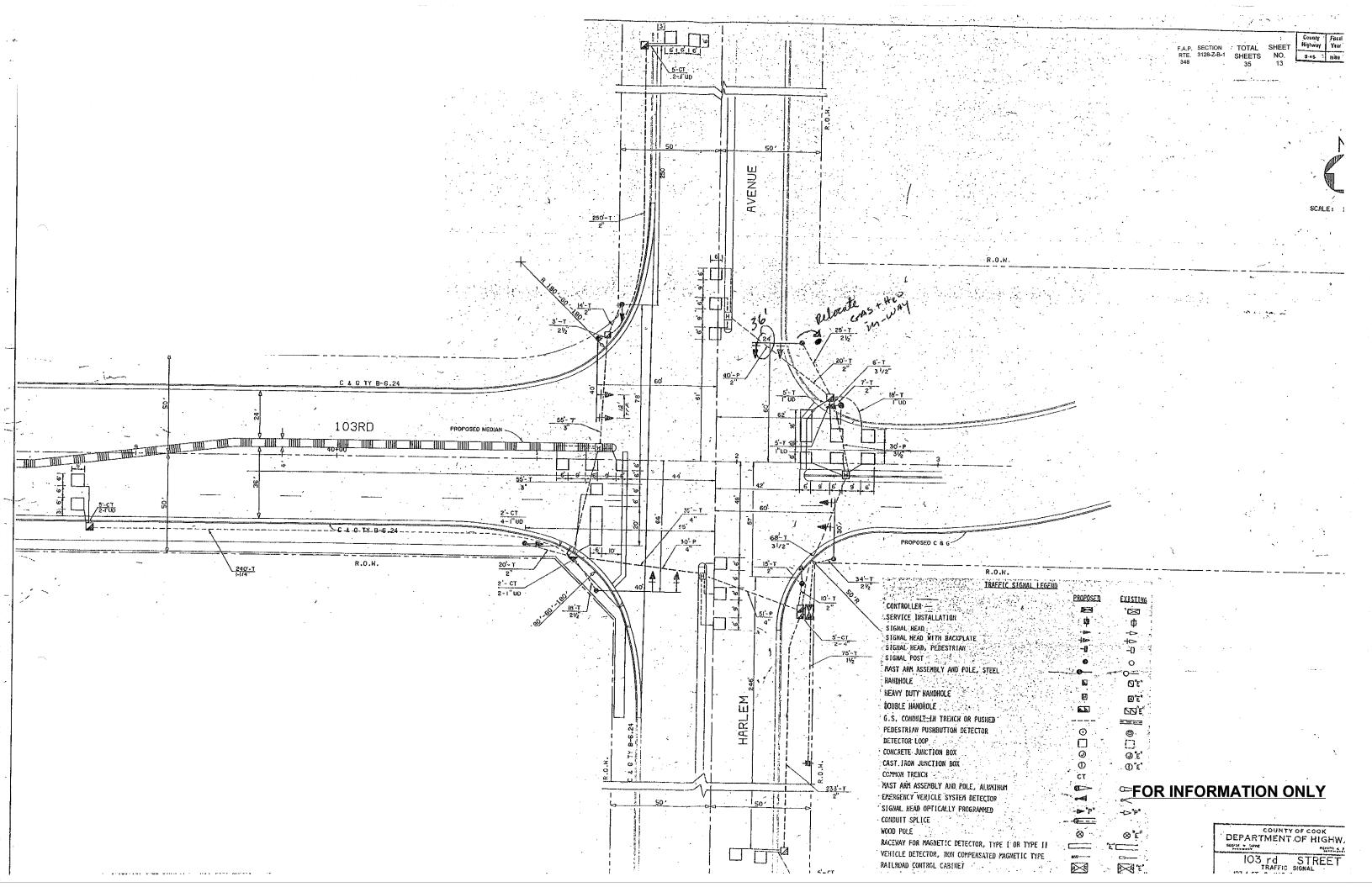
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INTERVAL		. 1	2 3	4	5	6	TA 7	8 8	ABE	8 8	IO A	IQ B	11	12 1	3 A 13	B 14	A 14E	15	16/	16 8	17	18	I9A	982	OA 20	8 21	A 218	22 A 2	2B 2	3 24	25	26	27	28 2	9 30	31	32 A	35 B	33 A	3383	4 A 34	B 35	36	37	38 A 38			40A 40			2 43	3 44/		A
CHANGE TO PHAS	SE		+62+	+	*/	*/	1+1		2 + 5 3 + 8 4 + 8	ı	3 4		<b>*</b> /	<del>•</del> /	1+5	- 1	+6 \$+7 \$+8	2+1		+7 +8			3+	7	3+8	. 4	1+7	4+	3	/	5 I ÷ €	2+5	2463	5+8 4	+7   ◆			+ 6 + 7	2+ 2+	6		4+8		<b>*</b> /	1 + 5 2 + 5 3 + 6	2	+6 2+6	3 +7	7 4	+8	$/\!\!\!/$	2 2	+6 +5	S
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ILL 43(HARLEM AVE) I	N/B END MAST	R -4C	R R	RY	R	R	R	Ŗ	R R	R	R	R	G √G	G <	G F	G Y	R	G,	Y	R	G	G	Y	R	Y F	R Y	R	٧	R	RR	R	R	R	R	RF	R	R	R	R	R	RR	R	R	R	RI	I R	R		R		RR	R	R	R
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SOUTHWEST HWY	E/B NEAR RIGHT	R	RR	R	R	R	R	R	RR	R	R	R	R	R	R I	R I	R	R	R	R	R	R	R	R	RF	R	R	R	R	RR	R	R	R	R	R	RR	R	R	R	R	RF	RR	6	G	Y	<u> </u>	→ R	Y	R	<u>.</u>	6 6	, Y	R	R
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SOUTHWEST HWY	W/B NEAR RIGHT	R	RR	R	R	R	R	R	RR	R	R	R	R	R	RI	RI	R	R	R	R	R	R	R	R	R f	RR	R	R	R	RR	R	R	R	. ** 1.	R			R	Y	R	Y	RG	R	R	Ri	RR	R	R	<u> </u>	R	6 6		<u> </u>	Į R J
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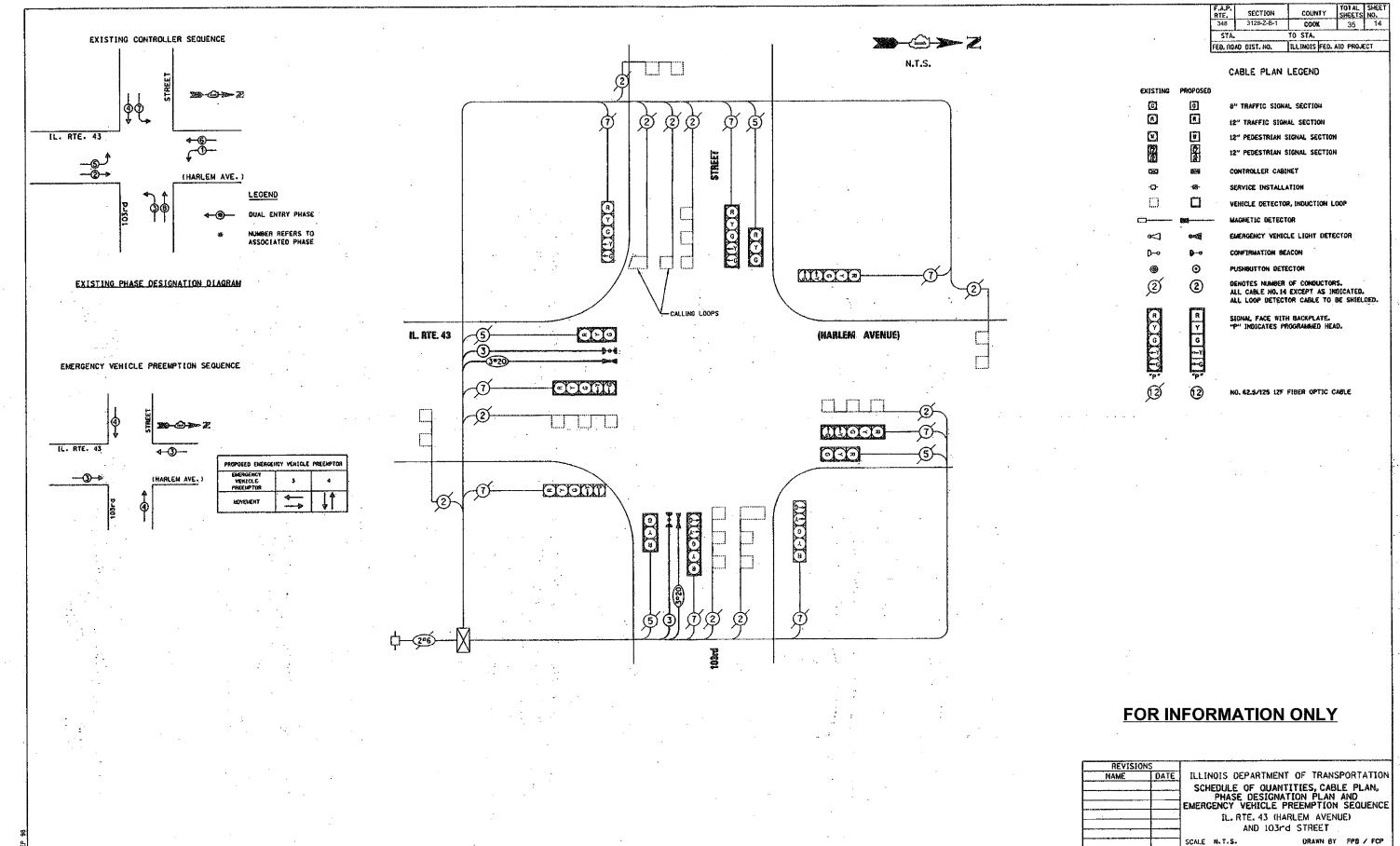
- \* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION.
- \*\* FLASHING "DON'T HALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- O THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "HALK" OR FLASHING "DON'T WALK" INTERVALS.

#### **FOR INFORMATION ONLY**

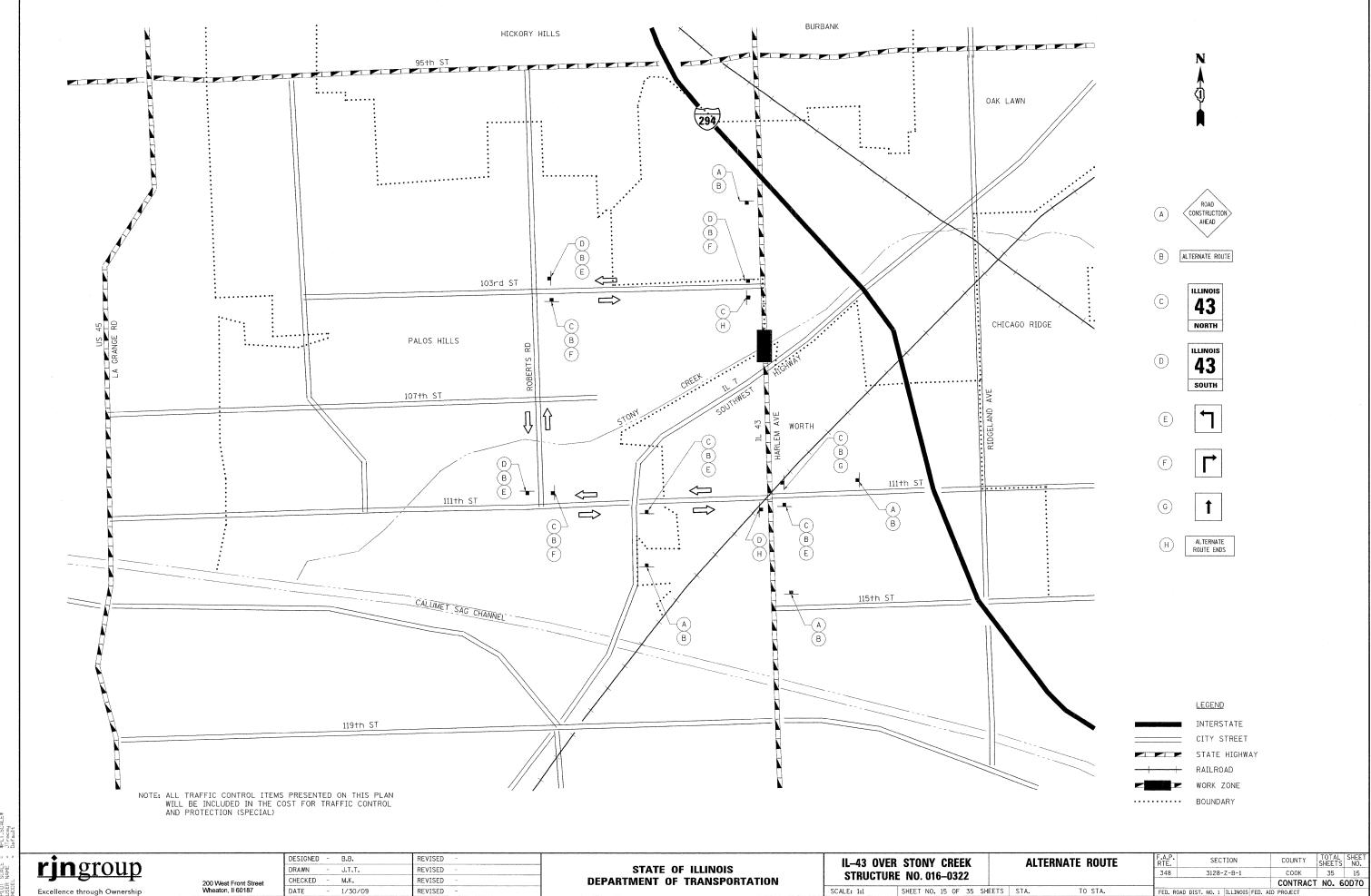
DATE 10 - 10 - 89

Drawn by Po Designed by RKF CHECKED by DAZ





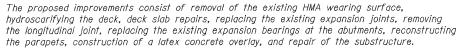
ns/dgn/trofsig/98-33/43\_103.cab



ROUTE NO. TOTAL SHEETS SHEET NO. 3128-Z-B-1 FAP 348 Cook 35 ILLINOIS FED, AID PROJECT FED. ROAD DIST. NO. 7

SHEET NO.  ${\it 1}$ 14 SHEETS

Contract #60D70



The existing aluminum railing is not to be salvaged.

#### GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated. 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 p. or 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. These plans have been prepared from notes received

Concrete Overlay.

#### INDEX OF SHEETS

- 2. Typical Cross Sections with Staging
- Expansion Joint Rehabilitation at Deck
- Longitudinal Joint Details
- Parapet Rehabilitation
- Preformed Joint Strip Seal

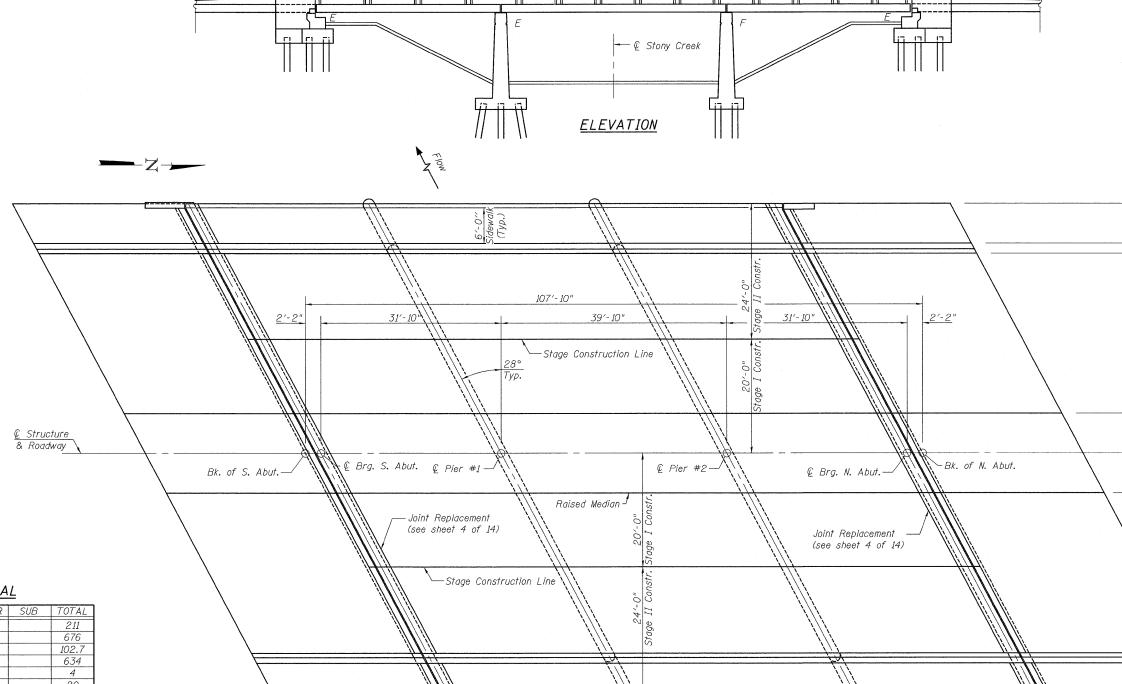
from the Illinois Department of Transportation field maintenance Engineers. Protective Coat shall not be applied over Latex

1. Genera	l Plan	and	Elevation
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- Expansion Joint Removal at Deck
- Expansion Joint Rehabilitation at Parapet and Wingwall

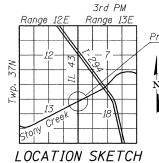
- Bar Splicer Assembly Details
- 10. Bearing Replacement Details
- 11. Deck Repair Plan
- 14. Pier Repairs II

12. Abutment Repairs 13. Pier Repairs - I



#### TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Bridge Rail Removal	Foot	211		211
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	676		676
Concrete Removal	Cu. Yd.	102.7		102.7
Bridge Deck Hydro-Scarification, $\frac{3}{4}$ "	Sq. Yd.	634		634
Deck Slab Repair (Partial)	Sq. Yd.	4		4
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	20		20
Bridge Deck Latex Concrete Overlay, 2 4"	Sq. Yd.	634		634
Temporary Shoring and Cribbing	L. Sum	1		1
Elastomeric Bearing Assembly, Type I	Each	48		48
Preformed Joint Strip Seal	Foot	200		200
Concrete Superstructure	Cu. Yd.	117.1		117.1
Protective Coat	Sq. Yd.	336		336
Bridge Deck Grooving	Sq. Yd.	612		612
Reinforcement Bars, Epoxy Coated	Pound	16,070		16,070
Bar Splicers	Each	48		48
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.		22	22
Structural Repair of Concrete (Depth greater than 5")	Sq. Ft.		3	3
Cleaning and Painting Structural Steel, Location 1	L. Sum	1		1



<u>Proposed Rehabilitation</u>

DESIGN STRESSES FIELD UNITS f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

LOADING HS 20-44

DESIGN SPECIFICATIONS 2002 AASHTO Standard Specifications for Highway Bridges



PLAN

rjngroup

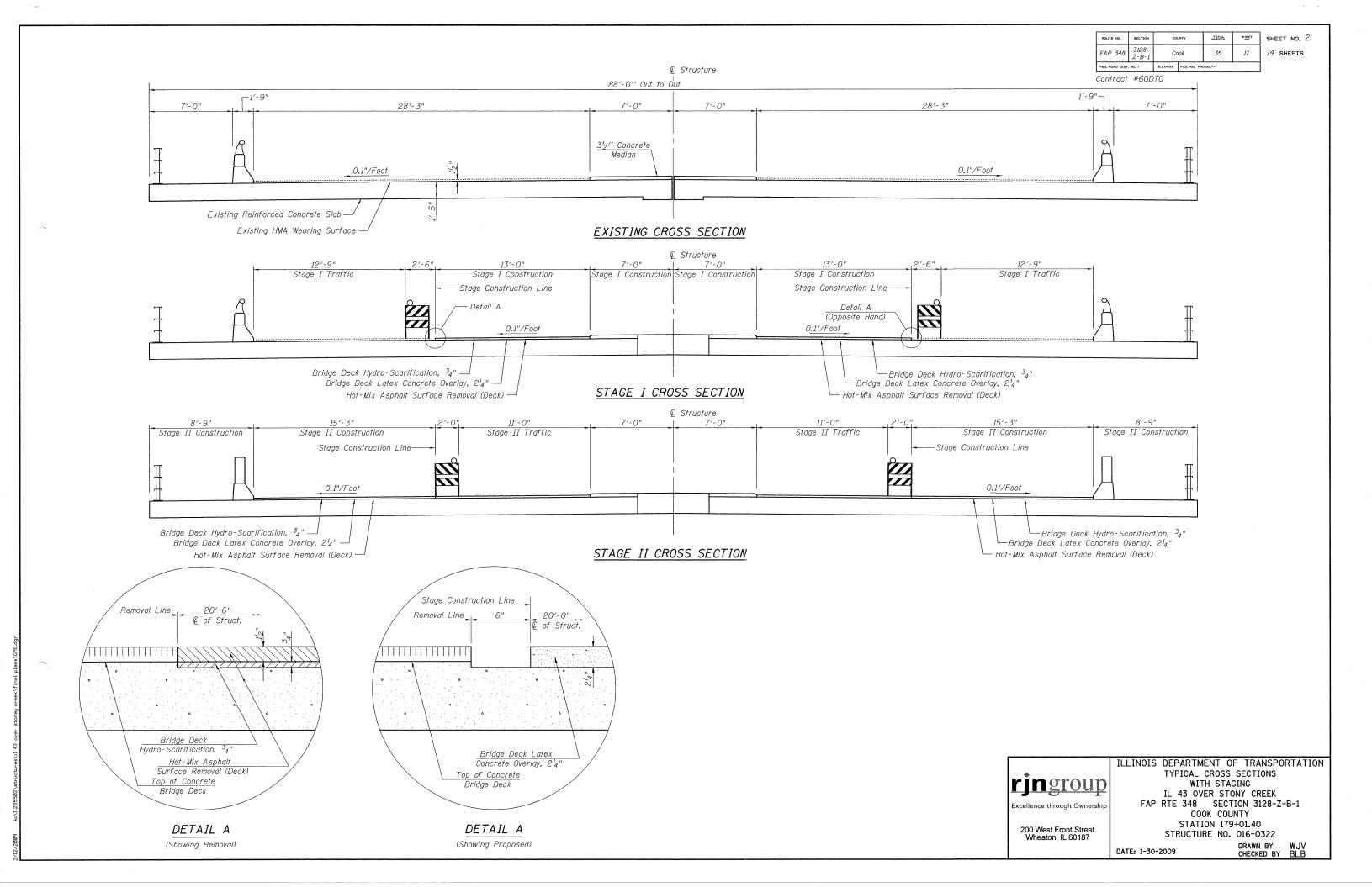
200 West Front Street Wheaton, IL 60187

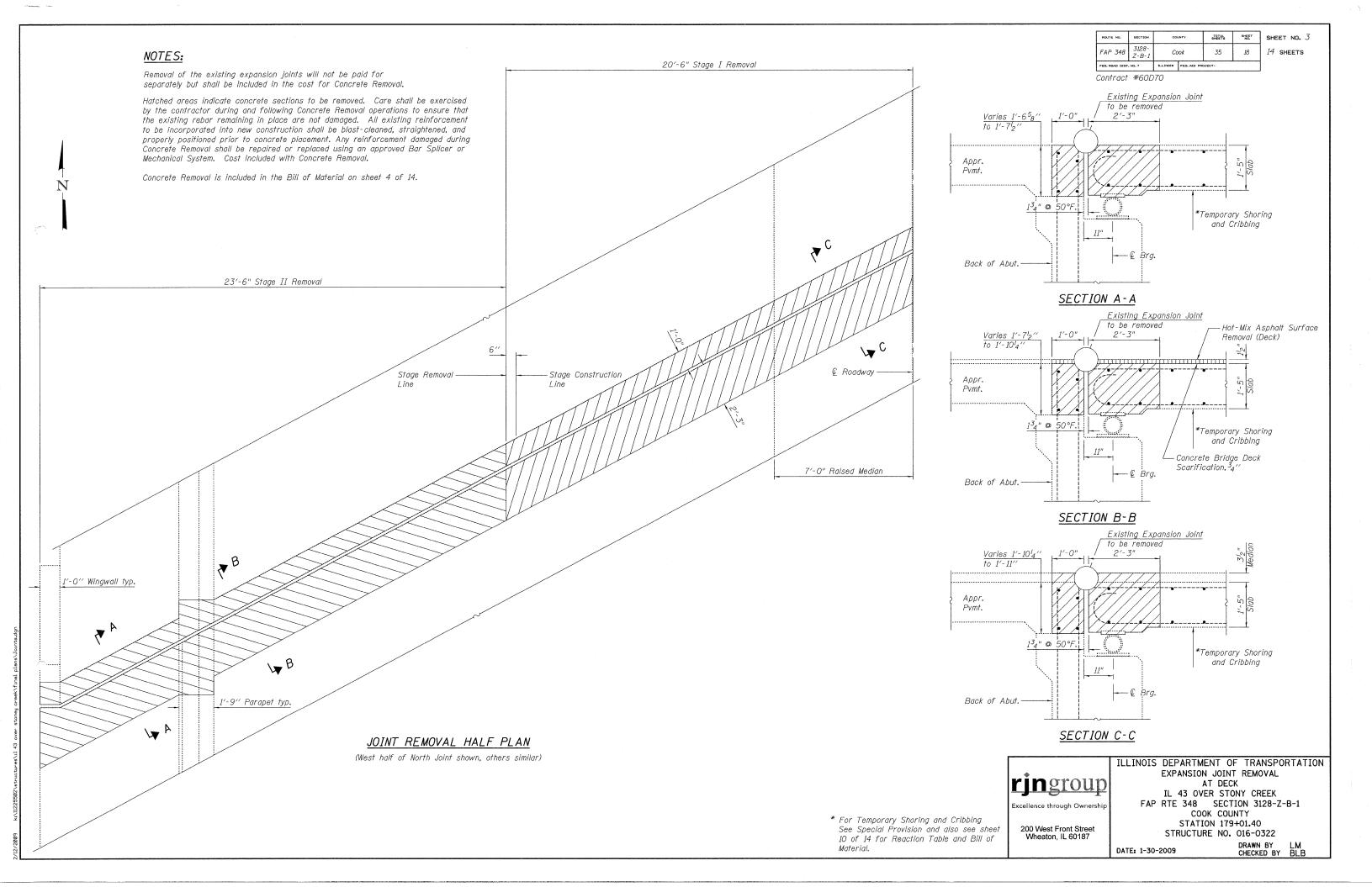
ILLINOIS DEPARTMENT OF TRANSPORTATION

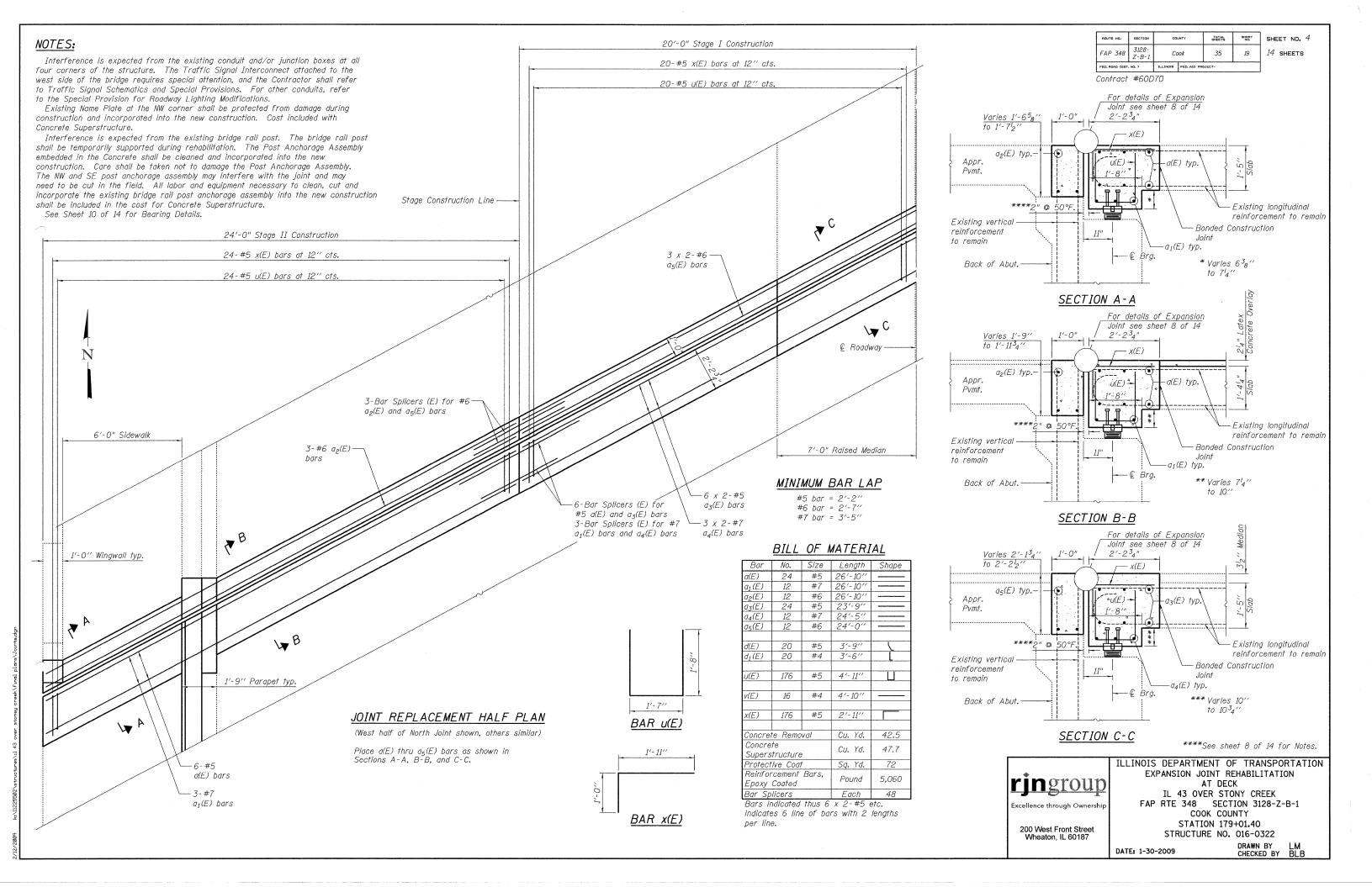
GENERAL PLAN AND ELEVATION IL 43 OVER STONY CREEK FAP RTE 348 SECTION 3128-Z-B-1 COOK COUNTY STATION 179+01.40 STRUCTURE NO. 016-0322

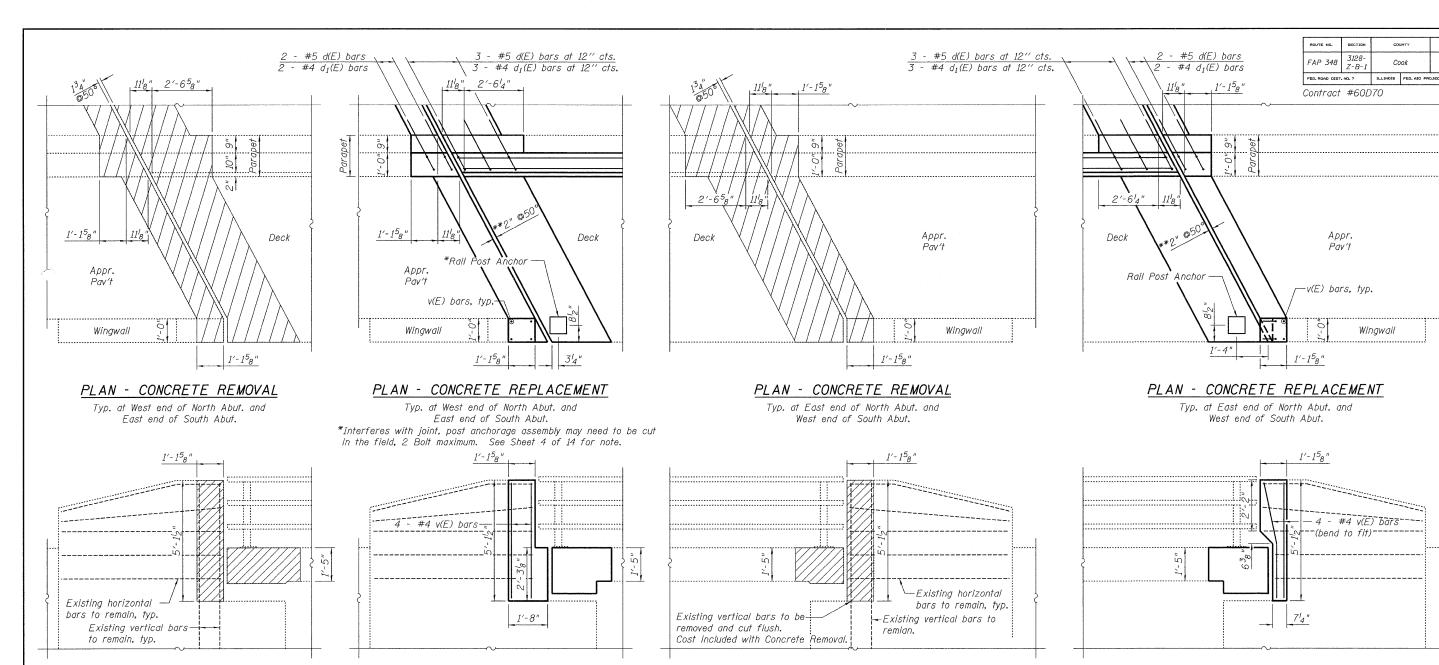
DATE: 1-30-2009

DRAWN BY WJV CHECKED BY BLB



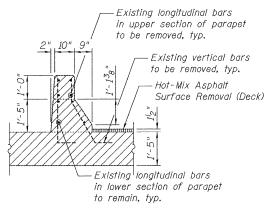






#### WINGWALL ELEVATION CONCRETE REMOVAL

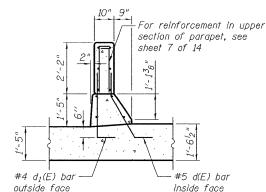
Typ. at Northwest and Southeast walls



SECTION THRU PARAPET CONCRETE REMOVAL

#### WINGWALL ELEVATION CONCRETE REPLACEMENT

Typ, at Northwest and Southeast walls



SECTION THRU PARAPET CONCRETE REPLACEMENT

#### WINGWALL ELEVATION CONCRETE REMOVAL

Typ. at Northeast and Southwest walls

#### NOTES:

Hatched areas indicate concrete sections to be removed. Care shall be exercised by the contractor during and following Concrete Removal operations to ensure that the existing rebar remaining in place are not damaged. All existing reinforcement to be incorporated into new construction shall be blast-cleaned, straightened, and properly positioned prior to concrete placement. Any reinforcement damaged during Concrete Removal shall be repaired or replaced using an approved Bar Splicer or Mechanical System. Cost included with Concrete Removal.

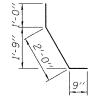
Concrete Removal and Concrete Superstructure for the parapet are included in the Bill of Material on sheet 7 of 14. Bars d(E) and  $d_1(E)$  for the parapet are included in the Bill of Material on sheet 4 of 14.

For simplicity, only proposed reinforcement critical to expansion joint rehabilitation is shown.

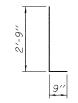
For Bill of Material, see sheet 4 of 14.

#### WINGWALL ELEVATION CONCRETE REPLACEMENT

Typ. at Northeast and Southwest walls



BAR d(E)



 $BAR d_1(E)$ 

\*\*See sheet 8 of 14 for Notes.



Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION EXPANSION JOINT REHABILITATION AT PARAPET AND WINGWALL IL 43 OVER STONY CREEK FAP RTE 348 SECTION 3128-Z-B-1 COOK COUNTY STATION 179+01.40 STRUCTURE NO. 016-0322

SHEET NO.

20

SHEETS

35

COUNTY

Cook

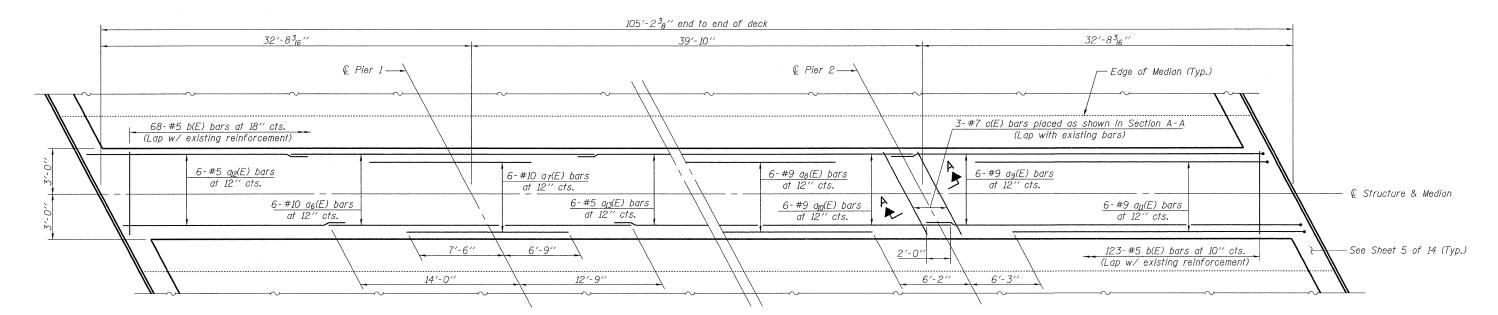
Wingwall

SHEET NO. 5

14 SHEETS

DATE: 1-30-2009

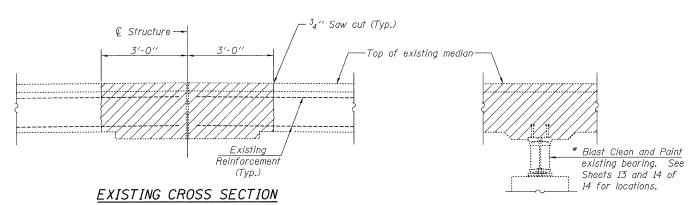
Contract #60D70



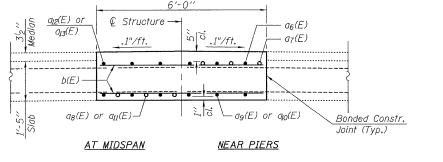
#### TOP REINFORCEMENT

#### BOTTOM REINFORCEMENT

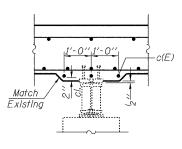
#### LONGITUDINAL JOINT CLOSURE PLAN



#### SECTION A-A REMOVAL



PROPOSED CROSS SECTION



SECTION A-A

\* Cost of Blast Cleaning and Painting of Bearings shall be included with Cleaning and Painting Structural Steel, Location 1. See Special Provision for Cleaning and Painting Existing Steel Structures. The bearing shall be cleaned per New White Blast Cleaning-SSPC-SP10 and shall be painted according to the requirements of paint system 1-OZ/E/U. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.

#### NOTES

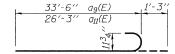
Hatched areas indicate concrete sections to be removed. Care shall be exercised by the contractor during and following Concrete Removal operations to ensure that the existing rebar remaining in place are not damaged. All existing reinforcement to be incorporated into new construction shall be blast-cleaned, straightened, and properly positioned prior to concrete placement. Any reinforcement damaged during Concrete Removal shall be repaired or replaced using an approved Bar Splicer or Mechanical System. Cost included with Concrete Removal.

Concrete Removal at existing bearings to remain in place shall be performed according to Article 501.05 of the Standard Specifications.

Min. Lap Length for #5 bars = 1'-4".

#### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a <sub>6</sub> (E)	12	#10	26'-9''	
a <sub>7</sub> (E)	12	#10	14'-3''	
a <sub>8</sub> (E)	6	#9	27'-6''	
a <sub>9</sub> (E)	12	#9	34′-9′′	
a <sub>10</sub> (E)	6	#9	41'-9''	
$a_{II}(E)$	12	#9	27'-6''	
a <sub>12</sub> (E)	12	#5	20′-0′′	
a <u>13</u> (E)	6	#5	17'-0''	
b(E)	191	#5	5'-9''	
c(E)	6	#7	6'-6''	
Concre	te Remo	oval	Cu. Yd.	37.5
Concre	te		Cu. Yd.	38.3
Supers	tructure	;	Cu. 70.	30.3
Protect	ive Coa	†	Sq. Yd.	67
	cement	Bars,	Pound	7660
Ероху	Coated		rouna	1660
Cleanin	g and F	Painting		
Structu	iral Stee	e/ <b>,</b>	L. Sum	1
Locatio	n 1			



#### $a_9(E)$ & $a_{II}(E)$ BARS

rjngroup Excellence through Ownership

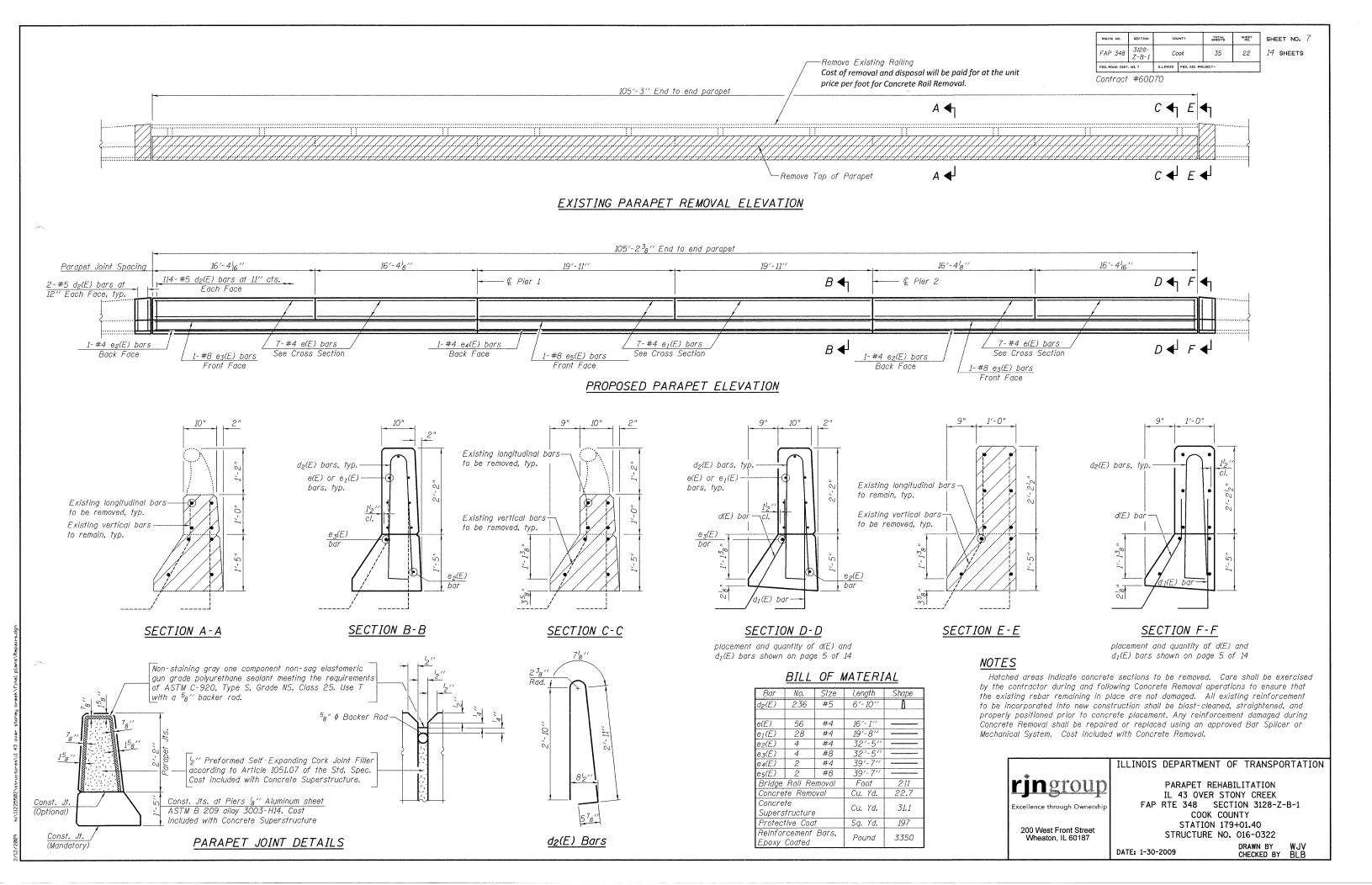
200 West Front Street Wheaton, IL 60187

#### ILLINOIS DEPARTMENT OF TRANSPORTATION

LONGITUDINAL JOINT DETAILS IL 43 OVER STONY CREEK FAP RTE 348 SECTION 3128-Z-B-1 COOK COUNTY STATION 179+01.40 STRUCTURE NO. 016-0322

DATE: 1-30-2009

DRAWN BY BLB CHECKED BY WJV



Strip seal-Locking edge rail-— Top of slab at 50° F typ.> at 1'-0" cts. 0 \*<sup>3</sup>4'' \phi x 8'' studs at 2'-0" cts. Place plates at 1'-0" cts.  $7_{16}$  "  $\phi$  holes at 4'-0" cts. for  $\frac{3}{8}$ "  $\phi$ (alt. with top horizontal studs) bolts. All bolts shall be burned, sawed, or chipped off flush with the plates

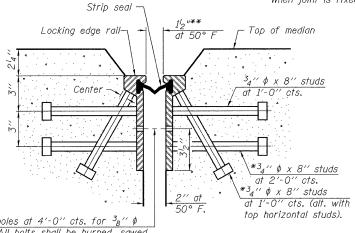
SECTION THRU ROLLED RAIL JOINT \*Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

\*\*When joint is fixed, dimension is set at  $1_2^{\prime\prime}$ .

after forms are removed, typ.

#### SECTION THRU WELDED RAIL JOINT

Strip seal



 $^{7}_{16}$  "  $\phi$  holes at 4'-0" cts. for  $^{3}_{8}$ "  $\phi$ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates

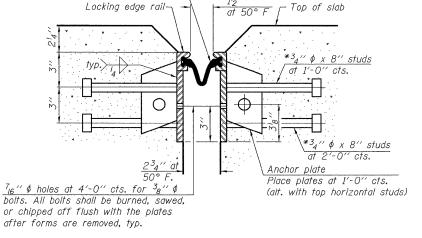
AT MEDIAN

after forms are removed, typ. SECTION THRU ROLLED RAIL JOINT

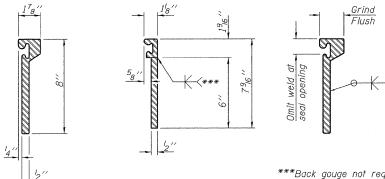
bolts. All bolts shall be burned, sawed,

or chipped off flush with the plates

ifter forms are removed, typ.



SECTION THRU WELDED RAIL JOINT AT MEDIAN



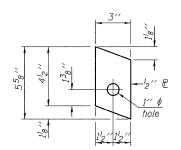
ROLLED (EXTRUDED) RAIL

WELDED RAIL

\*\*\*Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

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



ANCHOR P (for welded rail)

SHEET NO. SHEET NO. 8ROUTE NO. COUNTY SHEETS 3128-14 SHEETS FAP 348 35 23 FED. ROAD DIST. NO. 7

Contract #60D70

Notes:

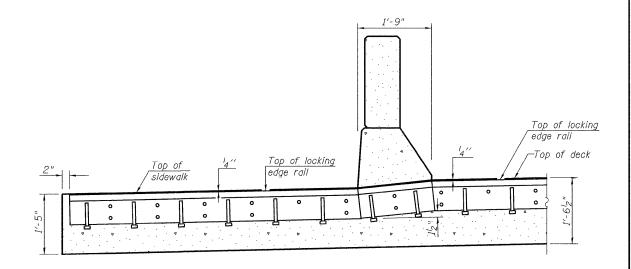
The strip seal shall be made continuous and shall have a minimum thickness of  $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not

permitted. The gland shall be sized for a maximum rated movement of 4 inches.

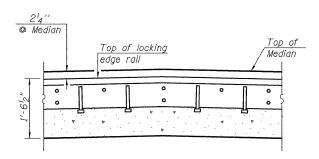
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and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



SECTION THRU MEDIAN

#### BILL OF MATERIAL

Item Unit Total rjngroup xcellence through Ownersh

> 200 West Front Street Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL IL 43 OVER STONY CREEK FAP RTE 348 SECTION 3128-Z-B-1 COOK COUNTY STATION 179+01.40 STRUCTURE NO. 016-0322

DATE: 1-30-2009

DRAWN BY WJV CHECKED BY BLB

LOCKING EDGE RAILS

SHEET NO. 9 14 SHEETS

Contract #60D70

#### 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.

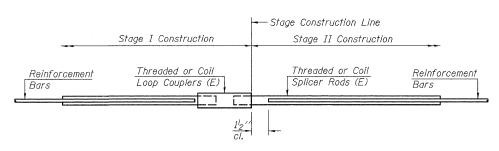
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

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 SPLIC	ER ASSEMBLI	ES			
		Strength Requirement				
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	50.3			
#11	9'-0"	117.4	61.8			



#### STANDARD

Bar Size	No. Assemblies Required	Location
#5	24	Deck
#6	12	T/Abut.
#7	12	Deck



200 West Front Street Wheaton, IL 60187

BAR SPLICER ASSEMBLY DETAILS IL 43 OVER STONY CREEK FAP RTE 348 SECTION 3128-Z-B-1 COOK COUNTY STATION 179+01.40 STRUCTURE NO. 016-0322

DRAWN BY LM CHECKED BY BLB DATE: 1-30-2009

The diameter of this part is equal or larger than the 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 iiijiiiiii

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

-Washer Face

<u>"B"</u>

"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.

- Stage Construction Line

-Foam Plugs

Threaded or Coil

Splicer Rods (E)

<u>"A"</u>

Template

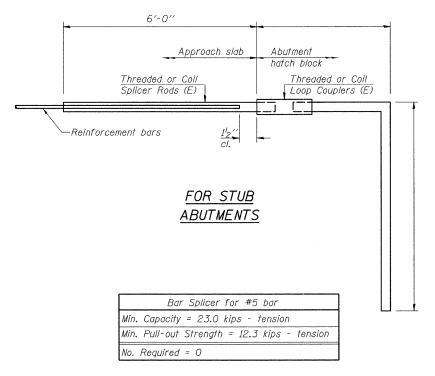
Forms-

(E): Indicates epoxy coating.

Bridge Deck Approach Slab Threaded or Coil Threaded or Coil <u>Reinforcement</u> Splicer Rods (E) Loop Couplers (E) Bars 4'-0" 6'-0"

> FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

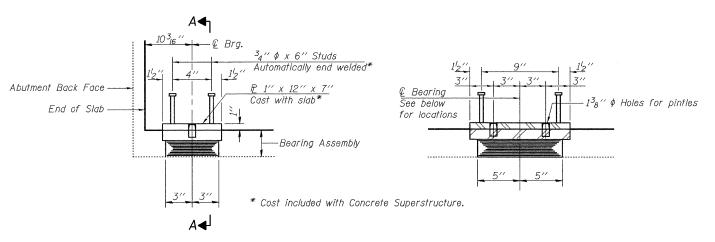
Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 12.3 kips - tension



No. Required = 0

BSD-1

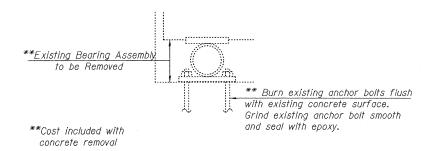
Contract #60D70



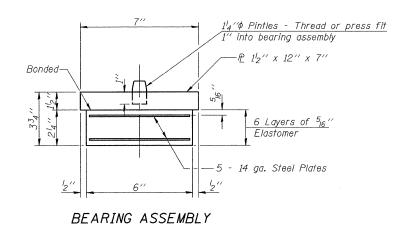
### ELEVATION AT ABUT. Dimensions given along & Brg.

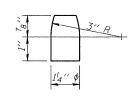
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



#### REMOVE EXISTING BEARING AT ABUTMENTS





#### PINTLE

#### TEMPORARY SHORING AND CRIBBING PROCEDURES

- Prior to commencing any work at the bearings, the contractor shall submit plans for temporary shoring and cribbing of the slab for approval by the Engineer.
- 2. See Special Provision for Temporary Shoring and Cribbing.
- 3. Bearings are to be removed after concrete is removed and replaced prior to placement of new concrete.

TYPICAL	BEARI	NG REACTION TABLE
		Abutment
R Q	(k)	11.9
R4	(k)	19 <b>.</b> 5
Imp.	(k)	5.9
R Total	(k)	37.3

Applies to bearings spaced at 4'-2"

# under Bearing Assembly.

Shim plates shall not be placed

	— © Bearings	— Back Face of existing abutment
		**************************************
2 Sp. © 4'-7" 9 Spaces at 4'	/ 28° (Typ.)	aces at 4'-2'' = 37'-6''  2 Sp. © 4'-7'' = 9'-2''

#### BEARING LOCATIONS

#### BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	48
Temporary Shoring and Cribbing	L. Sum	1

ringroup

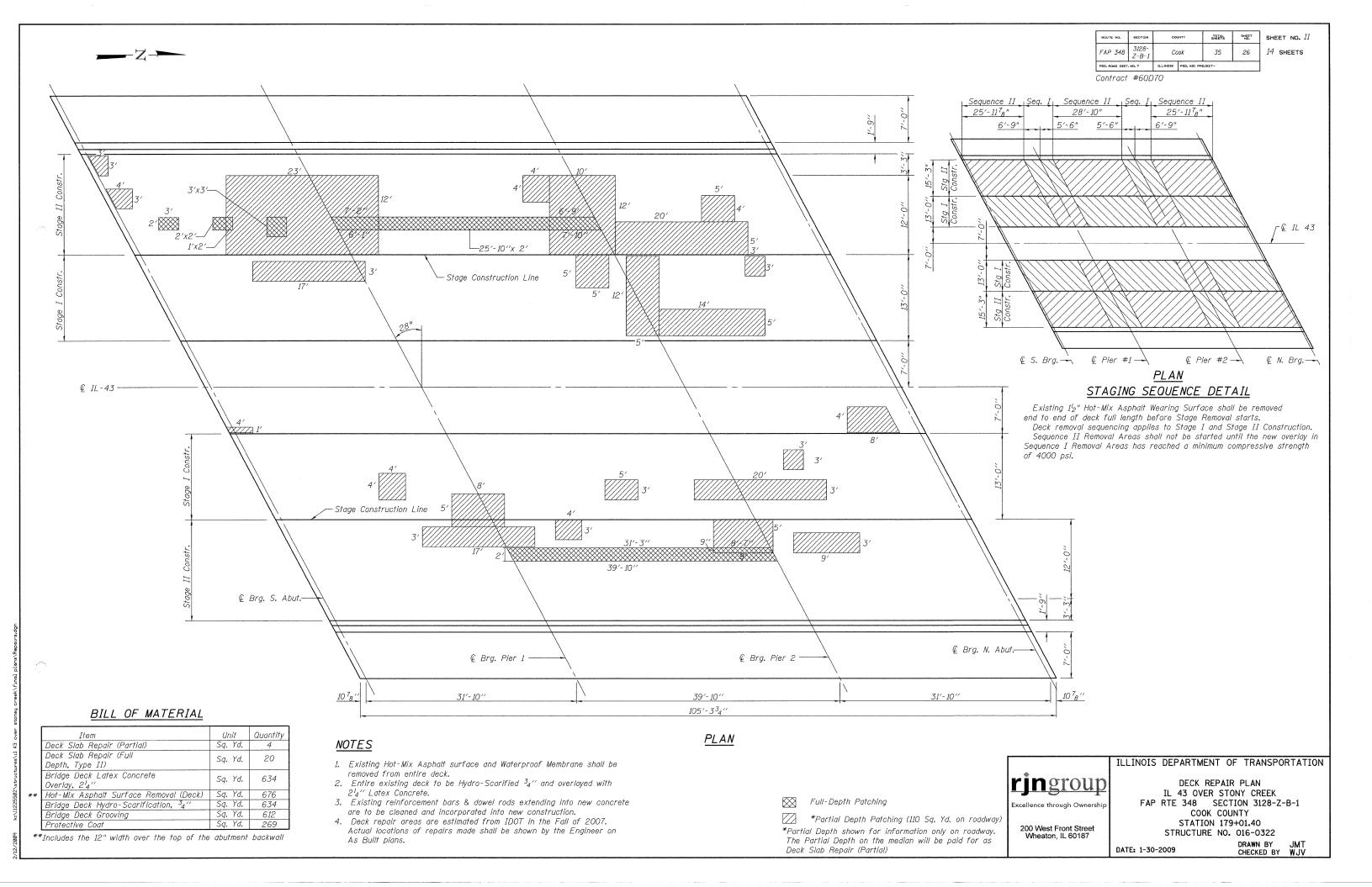
Excellence through Ownership

200 West Front Street Wheaton, IL 60187 ILLINOIS DEPARTMENT OF TRANSPORTATION

BEARING REPLACEMENT DETAILS
IL 43 OVER STONY CREEK
FAP RTE 348 SECTION 3128-Z-B-1
COOK COUNTY
STATION 179+01.40
STRUCTURE NO. 016-0322

DATE: 1-30-2009

DRAWN BY BLB CHECKED BY WJV



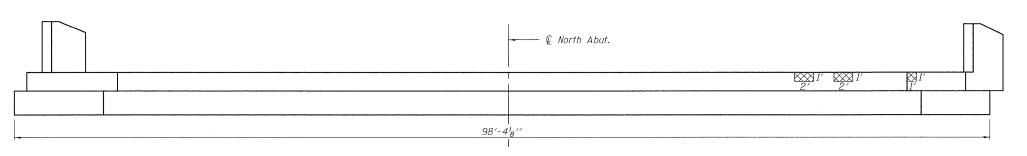
ROUTE NO.	SECTION	COL	INTY	TOTAL SHEET NO.		SHE	ET NO. $\it 12$
FAP 348	3128- Z-B-1	Co	ok	35	27	14	SHEETS
FED. ROAD DIST	, NO. 7	ILLINOIS	FED. AID PRO	JECT-	***************************************	l	

SHEET NO. 12

Contract #60D70

South Abut.	
1' 1' \(\times_2'\)	
2'	
99′-8′′	
	- 1

#### SOUTH ABUTMENT ELEVATION



#### NORTH ABUTMENT ELEVATION

#### NOTES:

Structural Repair of Concrete (Depth equal to or less than 5")

#### BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5′′)	Sq. Ft.	13.0

# **rjn**group

200 West Front Street Wheaton, IL 60187

#### ILLINOIS DEPARTMENT OF TRANSPORTATION

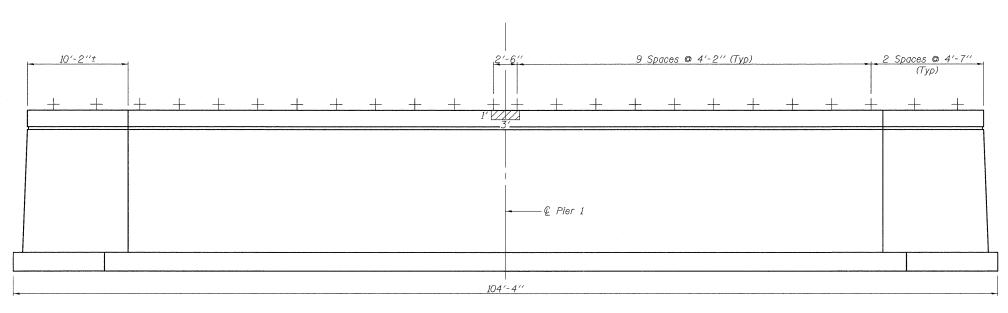
ABUTMENT REPAIRS
IL 43 OVER STONY CREEK
FAP RTE 348 SECTION 3128-Z-B-1
COOK COUNTY
STATION 179+01.40
STRUCTURE NO. 016-0322

DATE: 1-30-2009

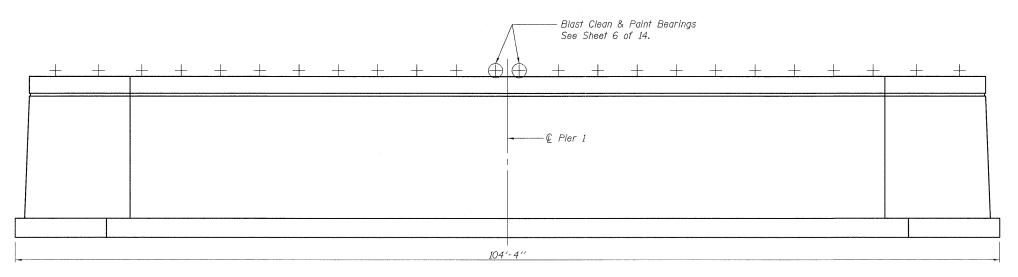
DRAWN BY JMT CHECKED BY WJV

ROUTE NO.	SECTION	cou	INTY	TOTAL SHEETS	SHEET NO.	SHE	et no. <i>13</i>
FAP 348	3128- Z-B-1	Cook		35	28	14	SHEETS
FEO. ROAD DIST	NO. 7	ILLINOIS	FED. AID PRI	JECT-			

Contract #60D70



#### PIER #1 SOUTH FACE ELEVATION



#### <u>NOTES</u>

#### PIER #1 NORTH FACE ELEVATION

+ Bearing

Blast Clean & Paint Bearings

Structural Repair of Concrete (Depth greater than 5")

#### BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth greater than 5'')	Sq. Ft.	3.0



200 West Front Street Wheaton, IL 60187 ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER REPAIRS - I
IL 43 OVER STONY CREEK
FAP RTE 348 SECTION 3128-Z-B-1
COOK COUNTY
STATION 179+01.40
STRUCTURE NO. 016-0322

DATE: 11-30-2009

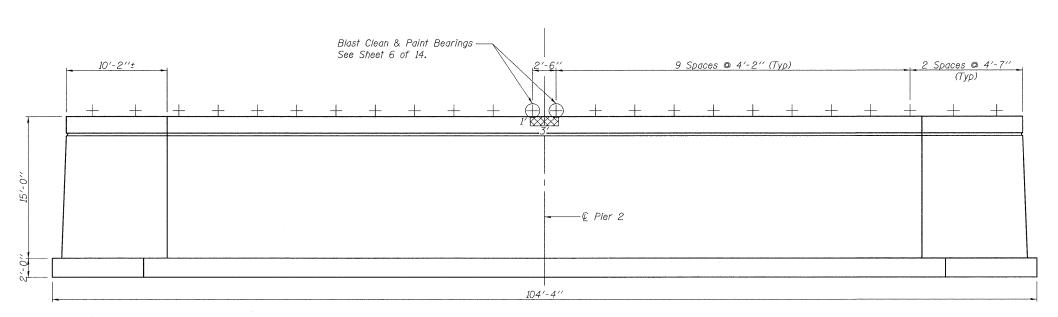
DRAWN BY JMT CHECKED BY WJV

//2009 k:\||1225582\structures\\|| 43 over stoneu creek\|final plans\||Repairs

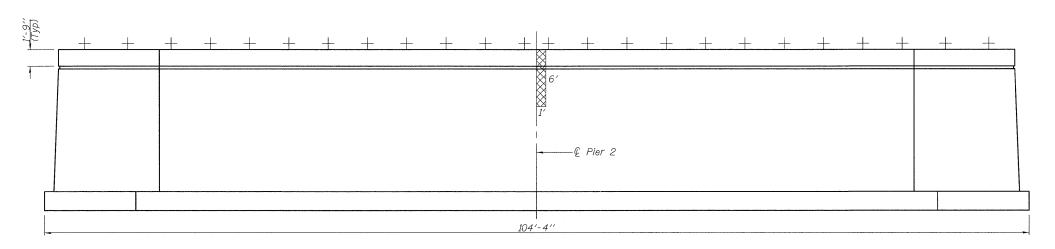
ROUTE NO.	SECTION	cou	INTY	TOTAL SHEETS	SHEET NG.
FAP 348	3128- Z-B-1	Co	ok	35	29
FED. ROAD DIST	. NO. 7	ILLINOIS	PED, AID PR	DJECT~	

SHEET NO. 14
14 SHEETS

FED. ROAD DIST. NO. 7 ILLINOIS FED.



PIER #2 NORTH FACE ELEVATION



#### NOTES

#### PIER #2 SOUTH FACE ELEVATION

+ Bearing

Blast Clean & Paint Bearings

Structural Repair of Concrete (Depth equal to or less than 5")

#### BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5'')	Sq. Ft.	9.0



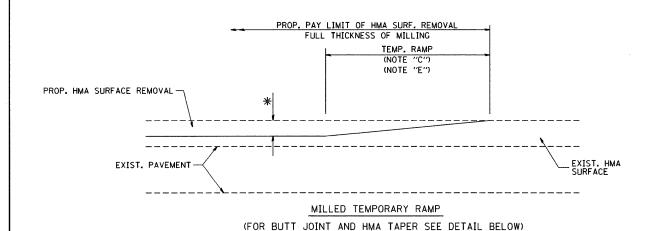
200 West Front Street Wheaton, IL 60187 ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER REPAIRS - II
IL 43 OVER STONY CREEK
FAP RTE 348 SECTION 3128-Z-B-1
COOK COUNTY
STATION 179+01.40
STRUCTURE NO. 016-0322

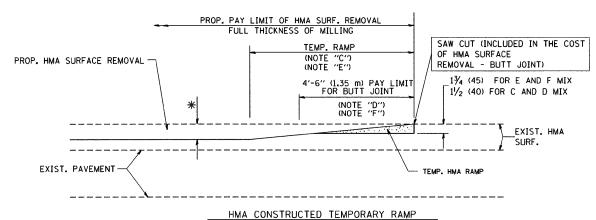
DATE: 1-30-2009

DRAWN BY JMT CHECKED BY WJV

12/2009 kill225502/structures/1 43 over stoneu creek/final plans/Recan



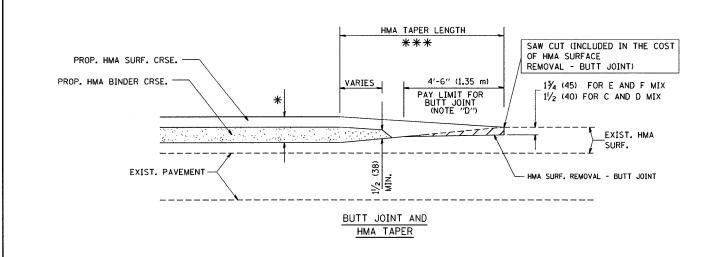
#### OPTION 1



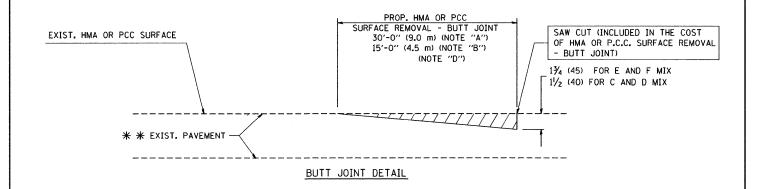
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

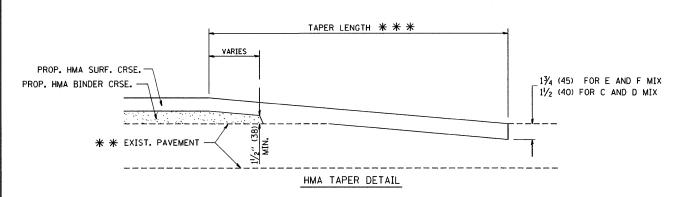
#### OPTION 2

#### TYPICAL TEMPORARY RAMP



## TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





# TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

\* \* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

#### NOTES

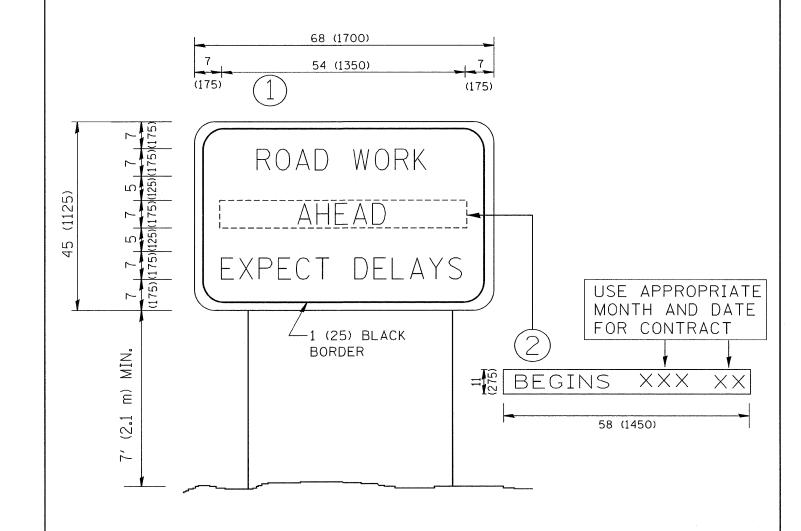
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-O" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\* \* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

#### BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SOUARE YARD (SOUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

- [	FILE NAME =	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED -	R. SHAH 10-25-94			DITT	JOINT A	AND	Į i	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	W:\diststd\22x34\bd32.dgn		DRAWN -	REVISED -	A. ABBAS 03-21-97	STATE OF ILLINOIS					F	348	3128-Z-B-1	COOK	35	30
		PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	M. GOMEZ 04-06-01	DEPARTMENT OF TRANSPORTATION		HMA TA	APER DI	ETAILS		В	D400-05 BD32	CONTRAC		0D70
		PLOT DATE = 1/4/2008	DATE ~ 06-13-90	REVISED -	R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA. TO STA.		FED. ROAD	DIST. NO. 1 [LLINOIS FED.			

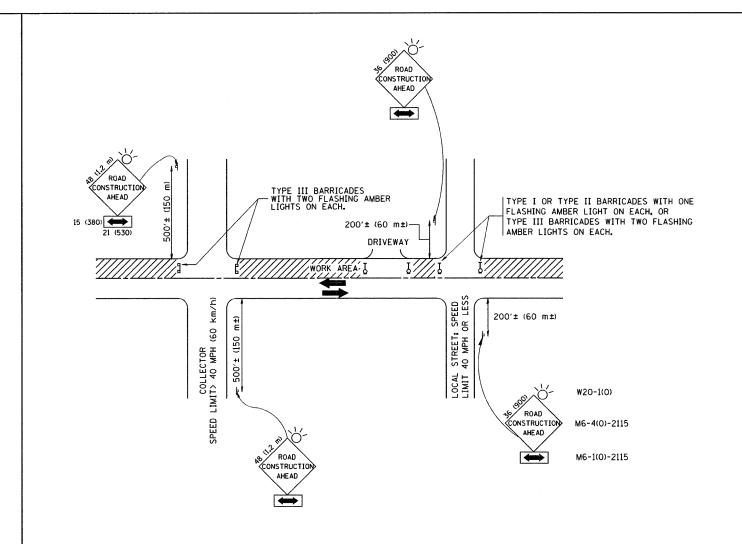


#### <u>NOTES:</u>

- 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.

FIL	LE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97			ARTERIAL ROAD		F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
W:\	\diststd\22×34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS				348	3128-Z-B-1	COOK	35	31
		PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION		INFORMATION SIGN			TC-22	CONTRACT	T NO. 6	D70
		PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO S	ra,	FED. ROA	AD DIST. NO. 1   ILLINOIS FED. A	ID PROJECT		



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

#### NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- Q) 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 ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- g) ONE ROAD CONSTRUCTION AHEAD SIGN 48  $\times$  48 (1.2 m  $\times$  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 (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

TO STA.

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, 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.

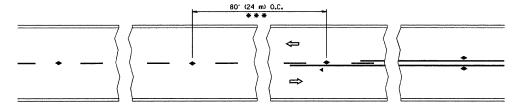
FILE NAME = USER NAME = geglionobt DESIGNED - LHA REVISED - J. OBERLE 10-18-95
Windistatd\22x34\tol0.dgn

DRAWN - REVISED - A. HOUSEH 03-06-96
PLOT SCALE = 50.000 '/ IN. CHECKED - REVISED - A. HOUSEH 10-15-96
PLOT DATE = 1/4/2008 DATE - 06-89 REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

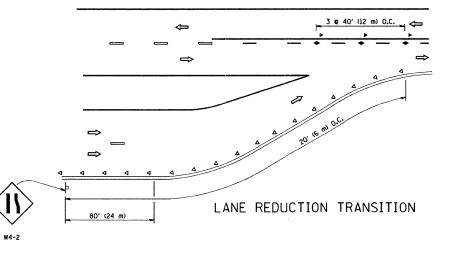
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

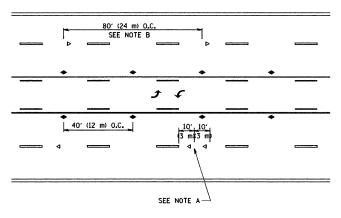
SHEET NO. 1 OF 1 SHEETS STA.



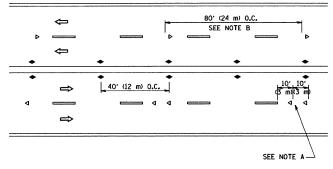
\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

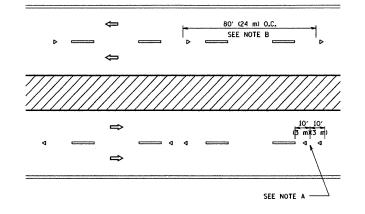




TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

#### GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET
   TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- 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

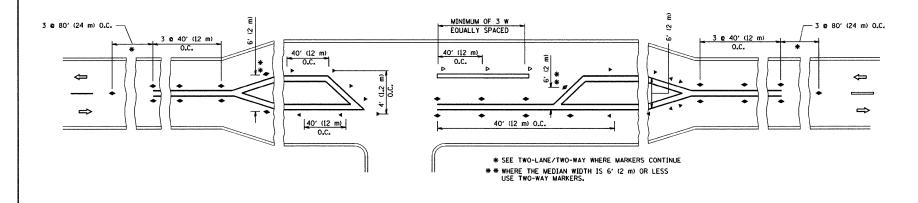
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

#### SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- → ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

#### DESIGN NOTES

- 1 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 LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
- 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

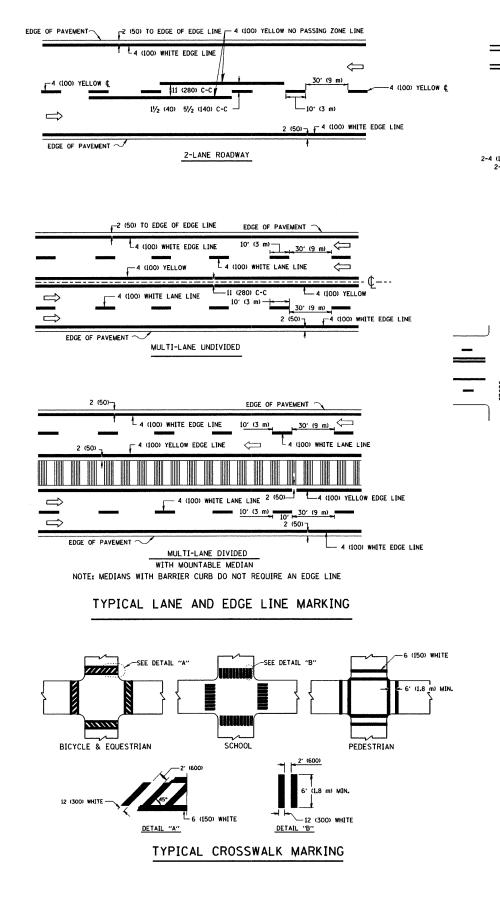
All dimensions are in inches (millimeters) unless otherwise shown.

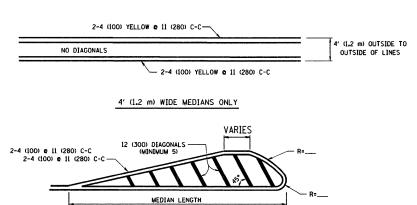
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 TYPICAL APPLICATIONS

 RAISED
 REFLECTIVE
 PAVEMENT
 MARKERS
 (SNOW-PLOW
 RESISTANT)

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





FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING

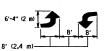
DIAGONAL LINES.

CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED

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))

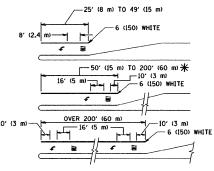
# MEDIANS OVER 4' (1.2 m) WIDE 4 (100) YELLOW LINES (5½ (140) C-C) 2-4 (100) YELLOW e 11 (280) C-C 4 (100) YELLOW LINES (5½ (140) C-C) A MINIMUM OF TWO PAIRS OF THEN APPOWS SHALL BE USED WHITE IN COLOR

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

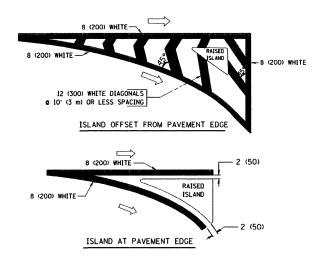


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  $\P$  AREA = 15.6 SO. FT. (1.5 m<sup>2</sup>) (III) AREA = 20.8 SO. FT. (1.9 m<sup>2</sup>)

\* 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



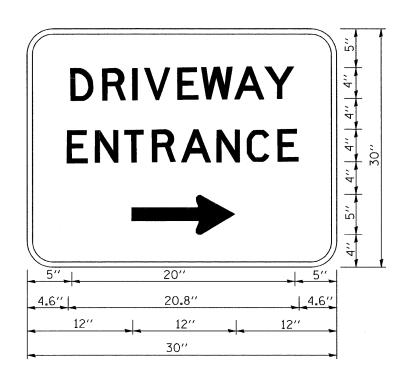
#### TYPICAL ISLAND MARKING

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 2 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 <b>e</b> 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 & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 <b>e</b> 6 (150) 12 (300) <b>e</b> 45° 12 (300) <b>e</b> 90°	SOLID 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 CROSSMALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 e 4 (100) WITH 12 (300) DIAGONALS e 45°	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS		WHITE: ONE WAY TRAFFIC	SEE TIPICAL PAINTED MEDIAN MARKING
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 ml 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) <b>e</b> 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (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.


FILE NAME =	USER NAME = gaglianobt	DESIGNED ~ EVERS	REVISED -T. RAMMACHER 10-27-94		DISTRICT ONE	F.A.P. SECTION	COUNTY TOTAL SHEET NO.
W:\diststd\22x34\tcl3.dgn		DRAWN -	REVISED -A. HOUSEH 10-09-96	STATE OF ILLINOIS		348 3128-Z-B-1	COOK 35 34
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96	DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	TC-13	CONTRACT NO. 60D70
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" × 5.0"

#### NOTES:

- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
- 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
- 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
Wi\diststd\22x34\tc26.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE ~	REVISED -

STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING									F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
									348	3128-Z-B-1	COOK	35	35
									 	TC-26	CONTRACT	NO. 60	D70
ALE: NONE	SHEET	NO. 1	OF	1	SHEETS	STA.	TO	STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				