

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4406 SCHAUMBURG, IL.

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**TRAFFIC DATA**

ADT: HIGH ROAD EXISTING: 400 (2011)

**DESIGN DESIGNATION:**

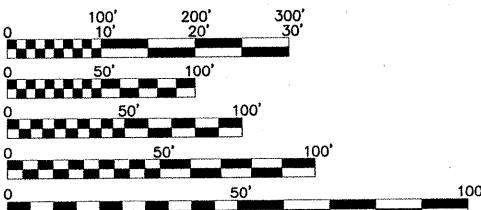
URBAN COLLECTOR

**POSTED SPEED**

35 MPH (EXISTING)

**DESIGN SPEED**

35 MPH (PROPOSED)



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

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

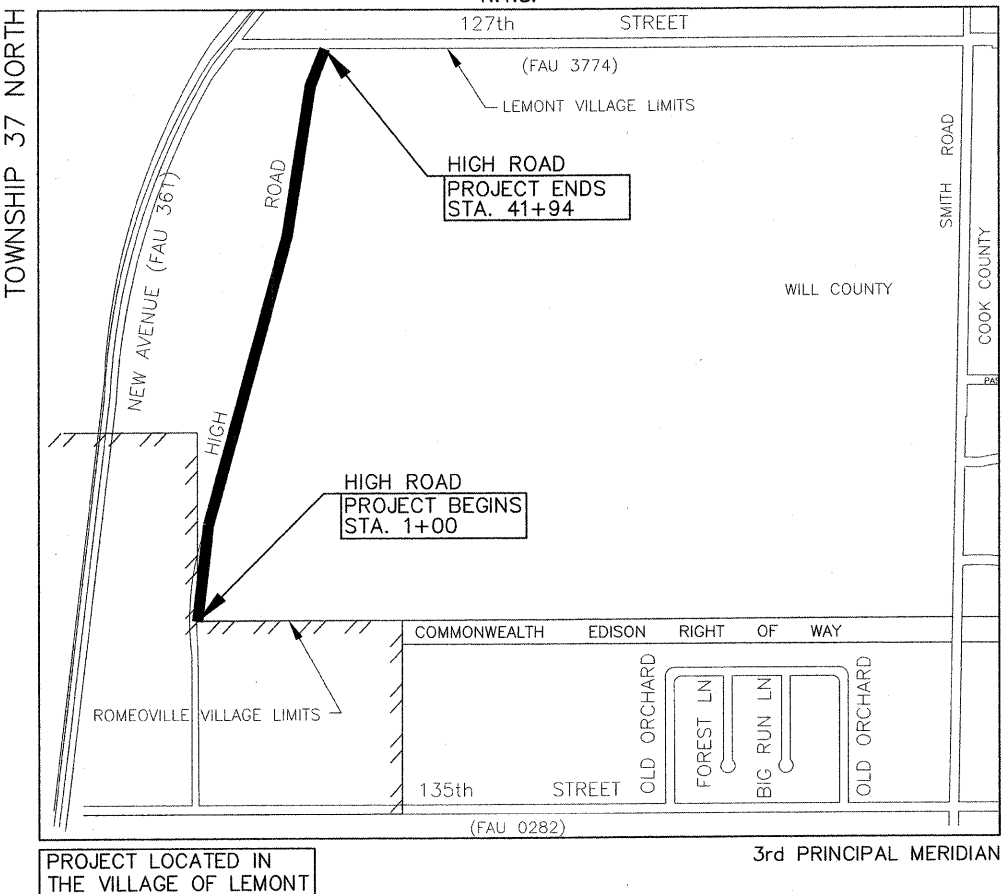
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825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132  
Civil Engineers/Municipal Consultants ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-000828

FNA PROJECT NO. 11025 DRAWN/DESIGNED JFP/JLC CHECKED/APPROVED THK/JLC

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	JLC	2-27-12	PER I.D.O.T. REVIEW

CONTRACT NO. 63704

STATE OF ILLINOIS 06-15-12 LETTING ITEM 021  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**  
FAU 4307 HIGH ROAD  
0.25 MILES NORTH OF 135th STREET (FAU 0282)  
TO 127th STREET (FAU 3774)  
RESURFACING  
SECTION 11-00048-00-RS  
PROJECT M-9003(824)  
VILLAGE OF LEMONT  
WILL COUNTY  
C-91-565-11  
PROJECT LOCATION MAP  
N.T.S.

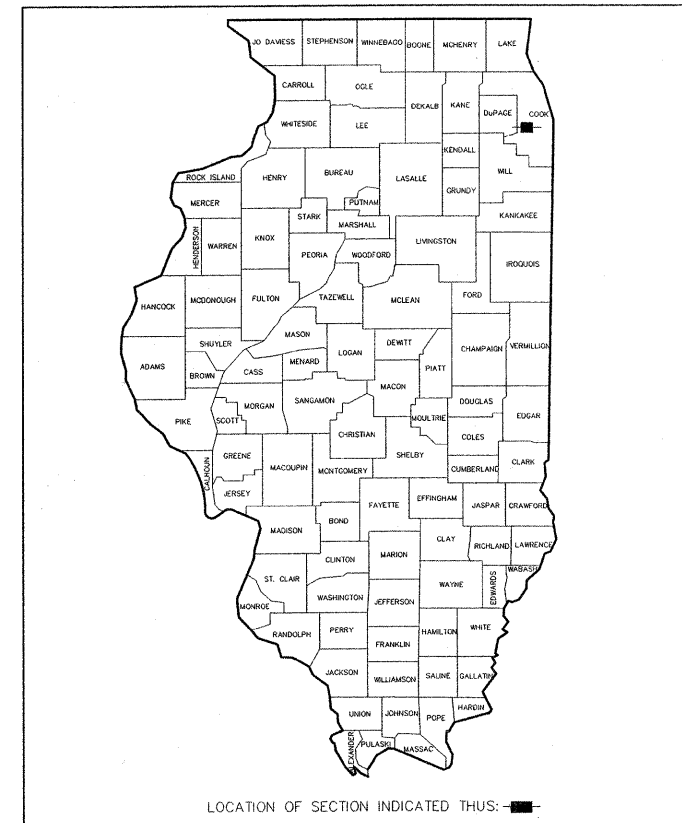


PROJECT LOCATED IN THE VILLAGE OF LEMONT

— DENOTES LOCATION OF IMPROVEMENT IN LEMONT TOWNSHIP LENGTH OF PROJECT

GROSS LENGTH OF PROJECT 4,094 FEET (0.78 MILES)  
NET LENGTH OF PROJECT 4,094 FEET (0.78 MILES)

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	1
F.H.W.A. REG. ILLINOIS PROJECT M-9003(824)		CONTRACT NO. 63704		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED March 7 2012

VILLAGE OF LEMONT Brian K. Reaves  
BRIAN K. REAVES, VILLAGE MAYOR

PASSED MARCH 29 2012

RELEASING FOR BID BASED ON LIMITED REVIEW CHUCK C. HOLT  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

Diana M. O'Keefe 3/30 2012  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

James L. Cankar  
JAMES L. CANKAR, P.E.  
IL. P.E. NO. 062-036190  
EXPIRES 11-30-2013  
3-29-2012  
DATE

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

## GENERAL CONSTRUCTION NOTES PAVING AND STORM SEWERS

### SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

### NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

### TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABOUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED. SAW CUTTING FOR PATCHES WILL BE INCLUDED IN THE COST OF TO THE PATCHING ITEM. EXISTING DRIVEWAY PAVEMENT AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAWCUT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND THE EXISTING, AND SUCH COST SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

### PROJECT SAFETY

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.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

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 MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

### PIPE CULVERTS

ALL PIPE CULVERTS CONSTRUCTED ON THIS CONTRACT ARE TO BE REINFORCED CONCRETE SEWER PIPE MATERIALS AND SHALL MEET THE PIPE REQUIREMENTS OF ASTM C-76 WITH JOINTS CONFORMING TO ASTM C-443 (O-RING).

## SUMMARY OF QUANTITIES

Specialty	Special	Code	Description	Unit	Construction Code 0005
Item	Provision	No			
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	180
		20800150	TRENCH BACKFILL	CU YD	20
		40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	4
		40600300	AGGREGATE (PRIME COAT)	TON	10
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	488
		40600895	CONSTRUCTING TEST STRIP	EACH	1
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	204
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,257
		42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SQ YD	185
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	633
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	185
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	50
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	78
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,797
		48101200	AGGREGATE SHOULDERS, TYPE B	TON	320
		50105220	PIPE CULVERT REMOVAL	FOOT	32
		542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	32
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
		67100100	MOBILIZATION	L SUM	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	745
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,266
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	20
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	104
	SP	20030850	TEMPORARY INFORMATION SIGNING	SQ FT	50
	SP	20042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	180


FILE NAME = FAU 4307 (HIGH ROAD)  
LAPP RESURFACING

USER NAME =	DESIGNED - JLC	REVISED - JLC 2-27-12
PLOT SCALE =	DRAWN - JFP	REVISED -
PLOT DATE =	CHECKED - THK	REVISED -
	DATE - 1/18	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

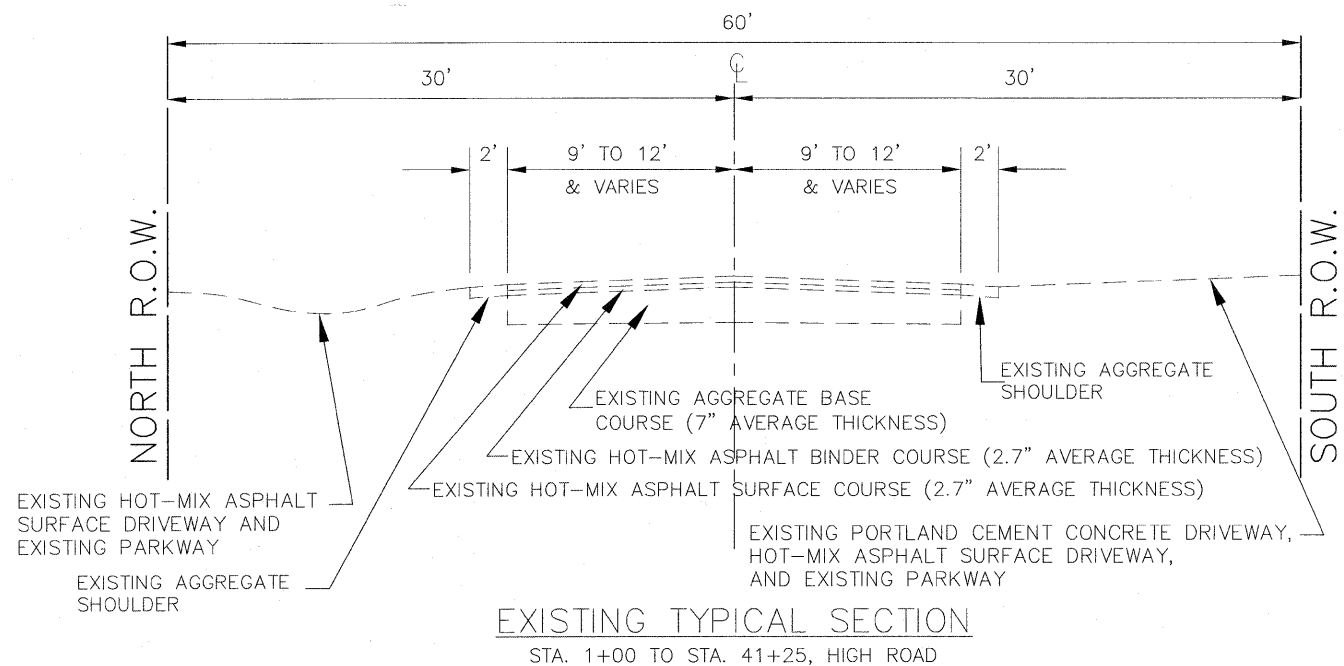
**GENERAL CONSTRUCTION NOTES, SPECIAL PROJECT NOTES,  
SUMMARY OF QUANTITIES**

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

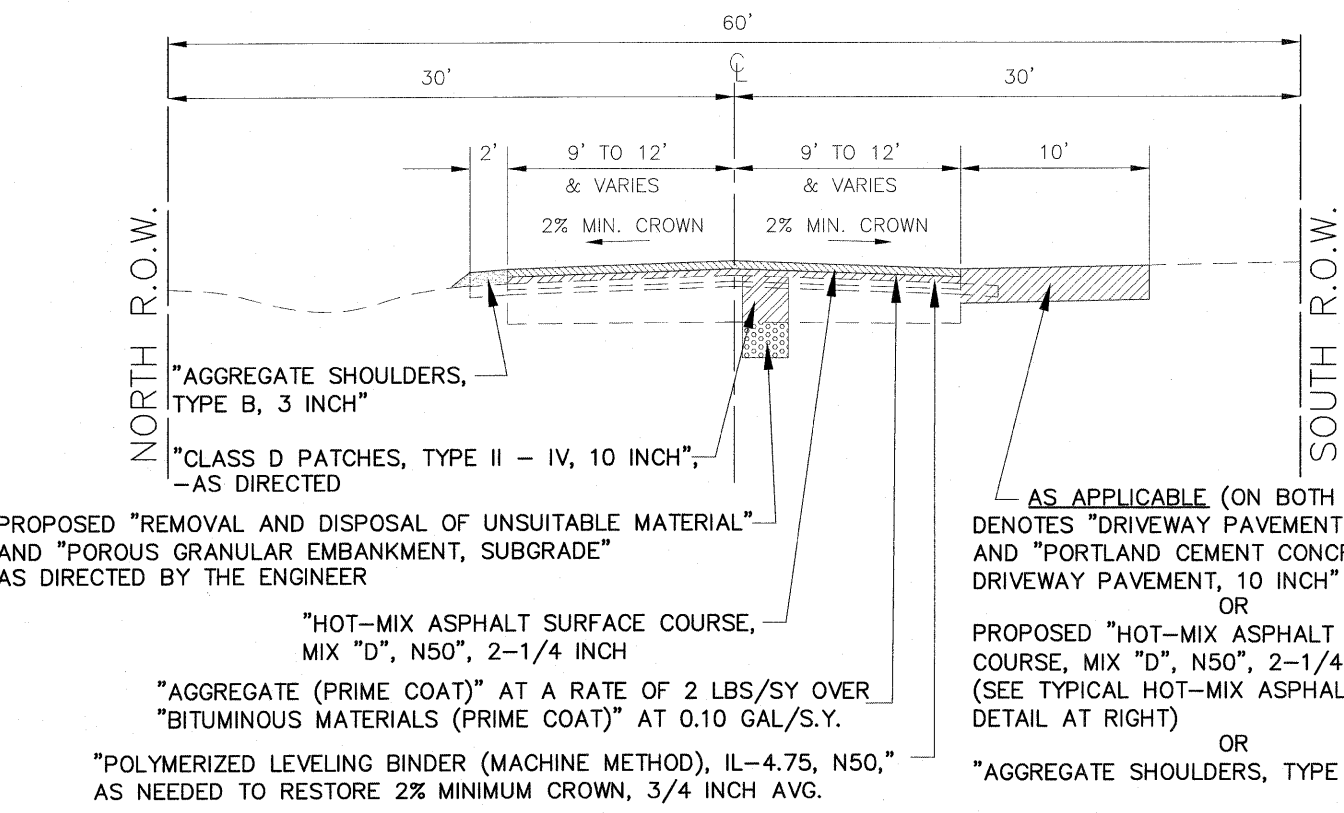


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F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 2
CONTRACT NO. 63704			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003(824)	



**EXISTING TYPICAL SECTION**  
STA. 1+00 TO STA. 41+25, HIGH ROAD



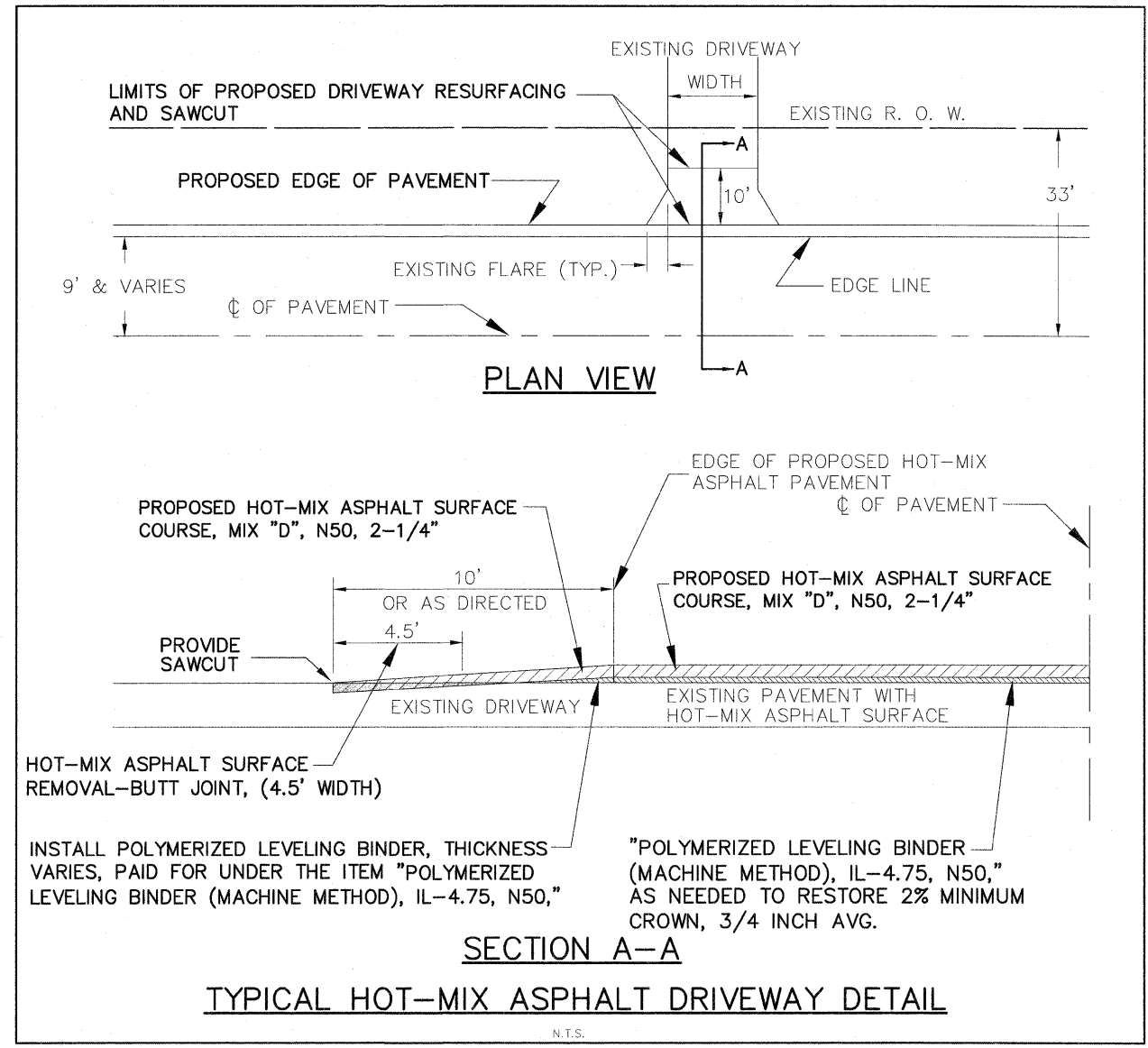
**PROPOSED TYPICAL SECTION**  
STA. 1+00 TO STA. 41+25, HIGH ROAD

**HIGH ROAD**

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES
<b>ROADWAY</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2-1/4" (IL-9.5mm)	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4 INCH AVG.	3.5% @ 50 GYR
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT DRIVEWAY REPLACEMENT, 2-1/4" (HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50) (IL-9.5mm)	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCH, TYPE II-IV, (HMA BINDER IL-19 mm), 10" (IN 4 LIFTS)	4% @ 70 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
 "THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS"  
 "FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS"



**TYPICAL HOT-MIX ASPHALT DRIVEWAY DETAIL**

**IMPORTANT!**

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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 Civil Engineer Municipal Consultants ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028

FILE NAME = FAU 4307 (HIGH ROAD) LAPP RESURFACING	USER NAME =	DESIGNED -- JLC	REVISED -- JLC 2-27-12
	PLOT SCALE =	DRAWN -- JFP	REVISED --
	PLOT DATE =	CHECKED -- THK	REVISED --
		DATE -- 1/18	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

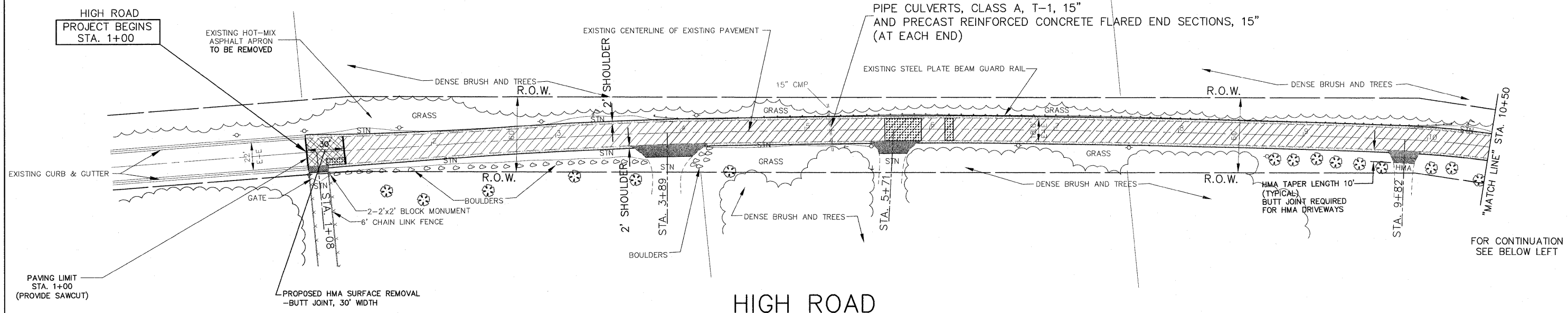
**TYPICAL SECTIONS (HIGH ROAD), HOT-MIX ASPHALT MIXTURE REQUIREMENTS, TYPICAL DRIVEWAY DETAIL**

SCALE: 1"=5' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 3
CONTRACT NO. 63704				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003(824)				



HORZ. 1"=40'

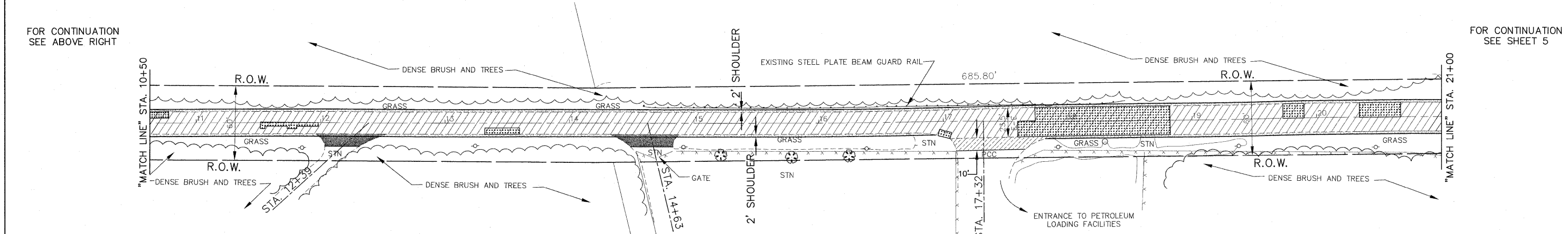


### HIGH ROAD

FOR CONTINUATION SEE BELOW LEFT



HORZ. 1"=40'



### HIGH ROAD

FOR CONTINUATION SEE SHEET 5

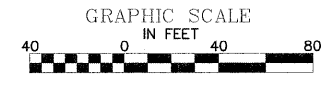
#### LEGEND

- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, AS NEEDED TO RESTORE 2% MINIMUM CROWN, 3/4 INCH AVG. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2-1/4"
- DENOTES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2-1/4" FOR HOT-MIX ASPHALT DRIVEWAYS (SEE DETAIL ON SHEET 3)
- DENOTES DRIVEWAY PAVEMENT REMOVAL AND P.C. CONCRETE DRIVEWAY PAVEMENT, 10"
- DENOTES CLASS D PATCHES, TYPE II - IV, 10 INCH, -AS DIRECTED
- DENOTES AGGREGATE SHOULDERS, TYPE B, 3 INCH

#### IMPORTANT!

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3



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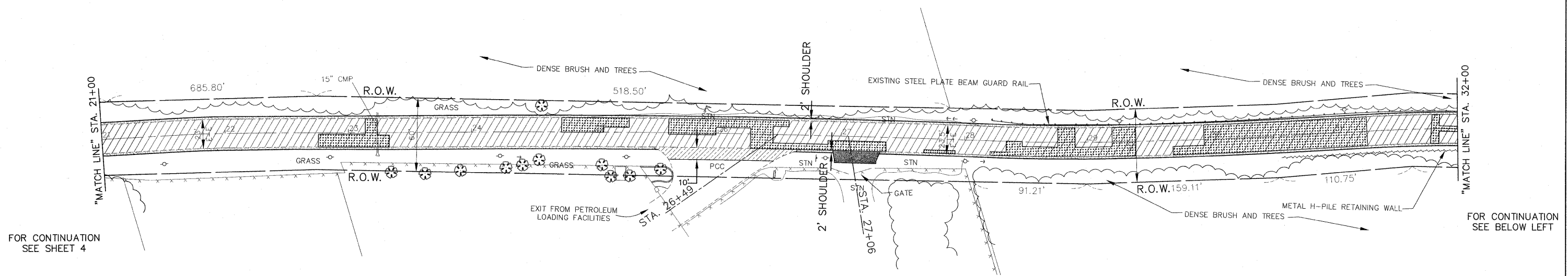
FILE NAME FAU 4307 (HIGH ROAD) LAPP RESURFACING	USER NAME =	DESIGNED - JLC	REVISED - JLC 2-27-12
11025	PLOT SCALE =	DRAWN - JFP	REVISED -
	PLOT DATE =	CHECKED - THK	REVISED -
		DATE - 1/18	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN:</b> HIGH ROAD- (RESURFACING)	SCALE: 1"=40'	SHEET NO. OF SHEETS	STA. 1+00 TO STA. 21+00
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F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 4
CONTRACT NO. 63704			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003(824)	

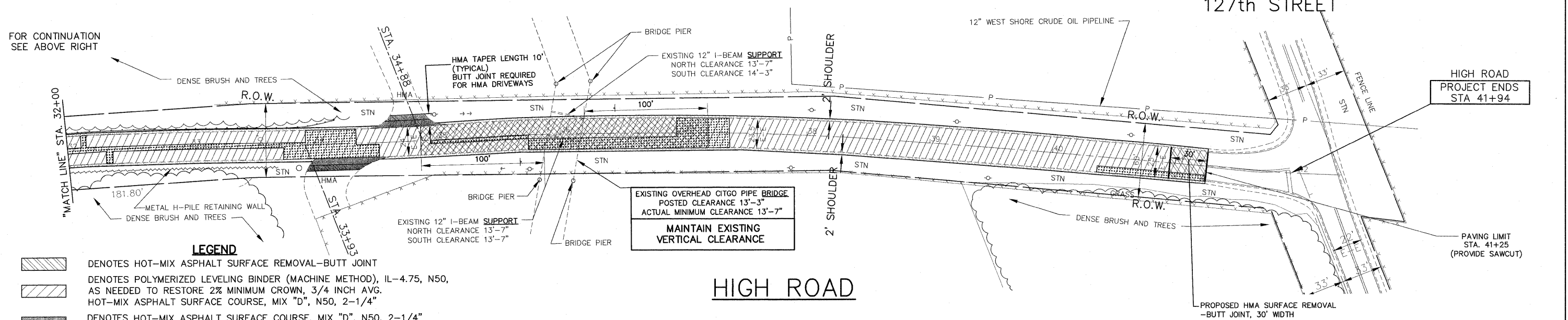
HORZ. 1"=40'



FOR CONTINUATION  
SEE SHEET 4

FOR CONTINUATION  
SEE BELOW LEFT

HORZ. 1"=40'



FOR CONTINUATION  
SEE ABOVE RIGHT

HIGH ROAD  
PROJECT ENDS  
STA 41+94

PAVING LIMIT  
STA. 41+25  
(PROVIDE SAWCUT)

- LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, AS NEEDED TO RESTORE 2% MINIMUM CROWN, 3/4 INCH AVG. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2-1/4"
  - DENOTES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2-1/4" FOR HOT-MIX ASPHALT DRIVEWAYS (SEE DETAIL ON SHEET 3)
  - DENOTES DRIVEWAY PAVEMENT REMOVAL AND P.C. CONCRETE DRIVEWAY PAVEMENT, 10"
  - DENOTES CLASS D PATCHES, TYPE II - IV, 10 INCH, -AS DIRECTED
  - DENOTES AGGREGATE SHOULDERS, TYPE B, 3 INCH
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (TO RETAIN EXISTING BRIDGE CLEARANCE)

EXISTING OVERHEAD CITGO PIPE BRIDGE  
POSTED CLEARANCE 13'-3"  
ACTUAL MINIMUM CLEARANCE 13'-7"  
**MAINTAIN EXISTING  
VERTICAL CLEARANCE**

**HIGH ROAD**

**IMPORTANT!**

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES.  
REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FOR TYPICAL CROSS SECTION  
OF NEW PAVEMENT WORK  
SEE SHEET 3



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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028

FILE NAME FAU 4307 (HIGH ROAD) LAPP RESURFACING	USER NAME =	DESIGNED - JLC	REVISED - JLC 2-27-12
11025	PLOT SCALE =	DRAWN - JFP	REVISED -
	PLOT DATE =	CHECKED - THK	REVISED -
		DATE - 1/18	REVISED -

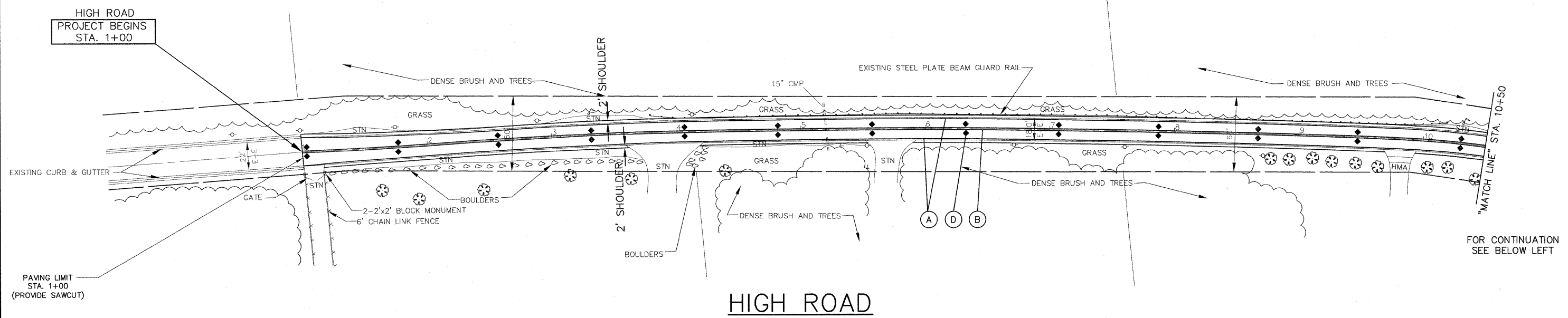
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN:  
HIGH ROAD- (RESURFACING)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. 21+00 TO STA. 41+94

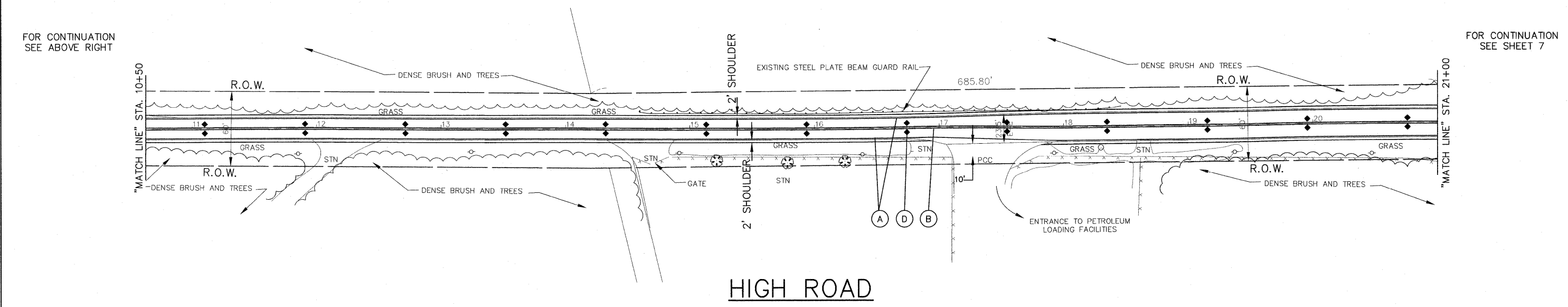
F.A. R.T.E. - 4307	SECTION - 11-00048-00-RS	COUNTY - WILL	TOTAL SHEETS - 15	SHEET NO. - 5
CONTRACT NO. 63704			ILLINOIS FED. AID PROJECT M-9003(824)	

HORZ. 1"=40'



FOR CONTINUATION SEE BELOW LEFT

HORZ. 1"=40'



FOR CONTINUATION SEE SHEET 7

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (B)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

**NOTE:**  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
  - (B) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
  - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
  - (D) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C, 40' O/C ON CURVES OR AS SHOWN
    - ◆ TWO-WAY AMBER MARKER

**IMPORTANT!**

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.



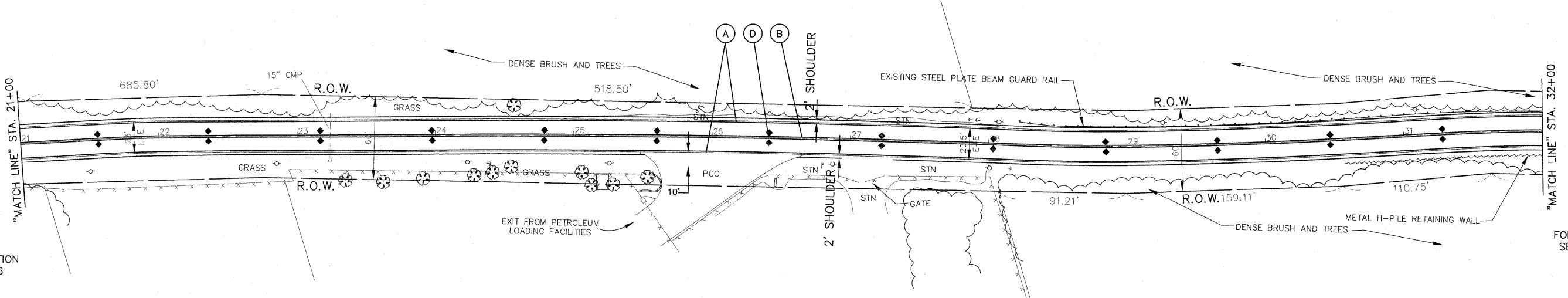
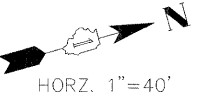
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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000826

FILE NAME FAU 4307 (HIGH ROAD) LAPP RESURFACING	USER NAME =	DESIGNED - JLC	REVISED - JLC 2-27-12
	PLOT SCALE =	DRAWN - JFP	REVISED -
	PLOT DATE =	CHECKED - THK	REVISED -
		DATE - 1/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN:</b> HIGH ROAD- (PAVEMENT MARKING)	SCALE: 1"=40'	SHEET NO. OF SHEETS	STA. 1+00 TO STA. 21+00
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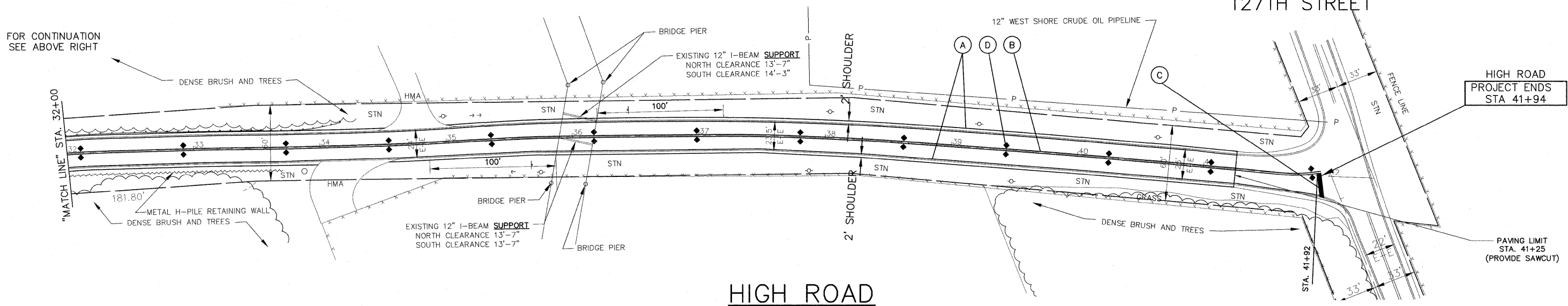
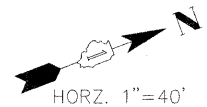
F.A. - R.T.E. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 6
CONTRACT NO. 43704				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003(824)



FOR CONTINUATION  
SEE SHEET 6

FOR CONTINUATION  
SEE BELOW LEFT

**HIGH ROAD**



FOR CONTINUATION  
SEE ABOVE RIGHT

HIGH ROAD  
PROJECT ENDS  
STA. 41+94

**HIGH ROAD**

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (B)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

**NOTE:** SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**THERMOPLASTIC STRIPING CODE**

- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
- (B) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
- (D) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C, 40' O/C ON CURVES OR AS SHOWN  
◆ TWO-WAY AMBER MARKER

**IMPORTANT!**

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.



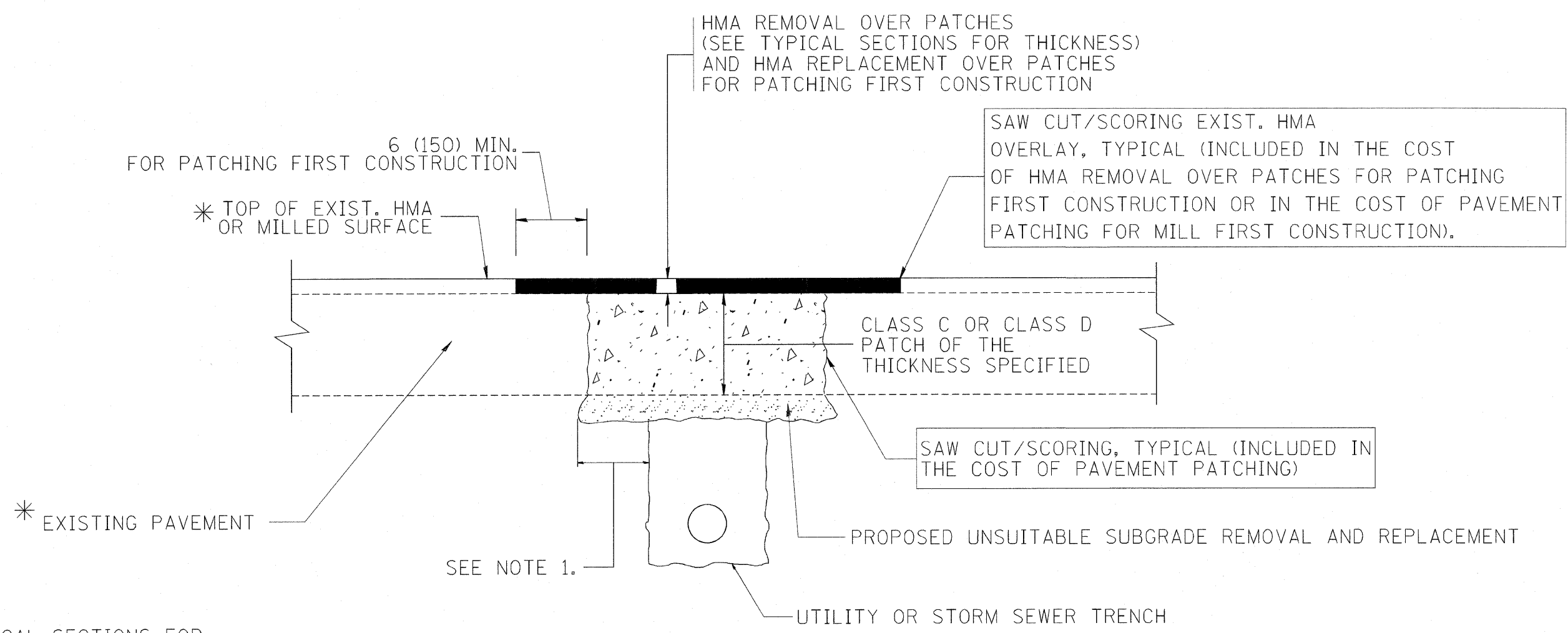
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11025	PLOT SCALE =	DRAWN - JFP-JEP	REVISED -
	PLOT DATE =	CHECKED - THK	REVISED -
		DATE - 11/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN :**  
**HIGH ROAD- (PAVEMENT MARKING)**  
SCALE: 1"=40' SHEET NO. OF SHEETS STA. 21+00 TO STA. 45+26

**Frank Novotny & Associates, Inc.**  
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132  
Civil Engineers  
Municipal Consultants  
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000288

F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 7
CONTRACT NO. 63704			ILLINOIS FED. AID PROJECT M-9003(824)	



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

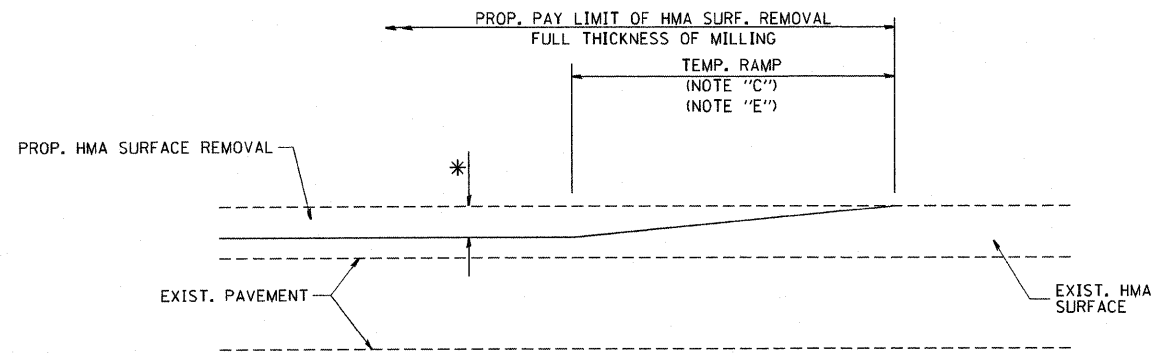
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

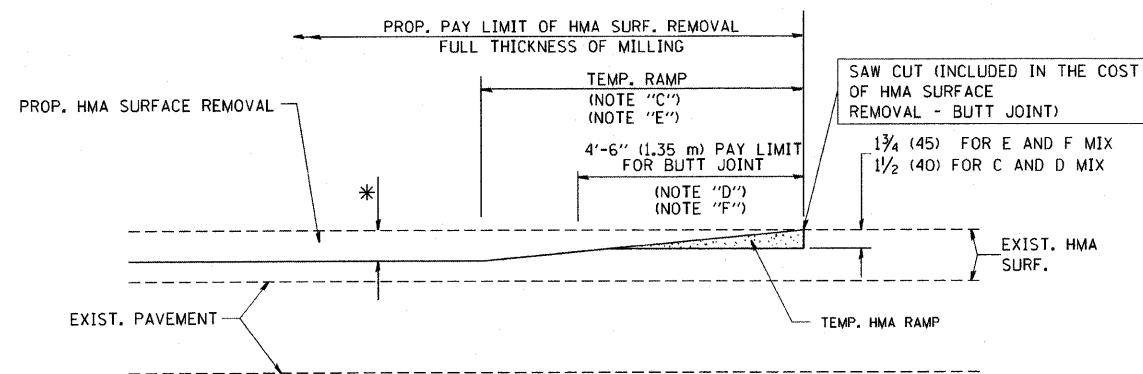
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07			4307	11-00048-00-RS	WILL	15	8
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08			<b>BD400-04 (BD-22)</b>		<b>CONTRACT NO. 63704</b>		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				





MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

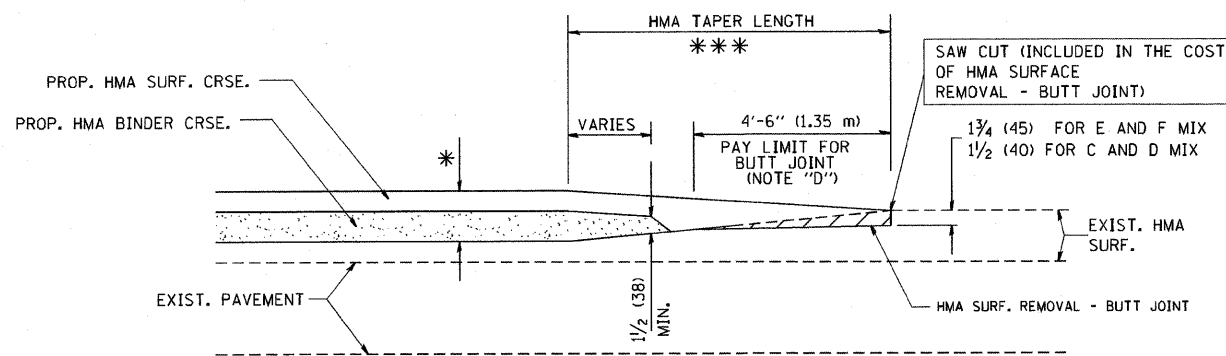
**OPTION 1**



HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

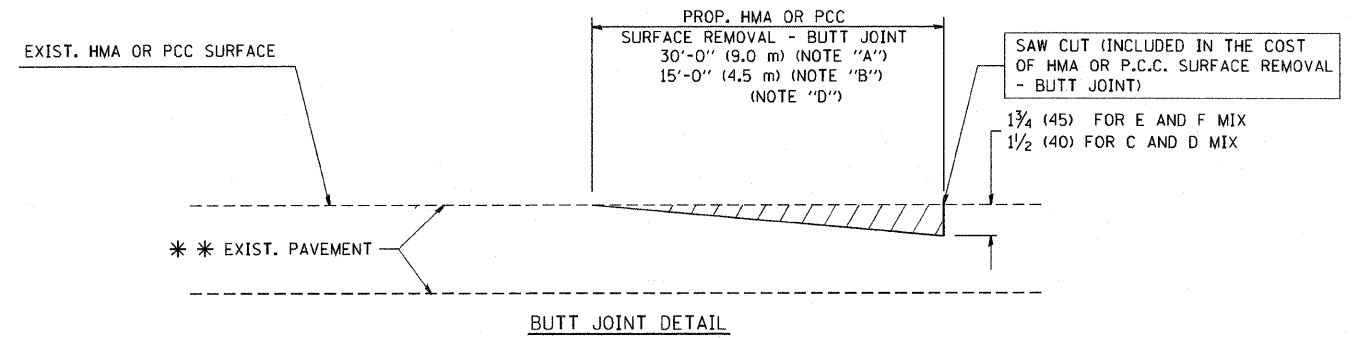
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

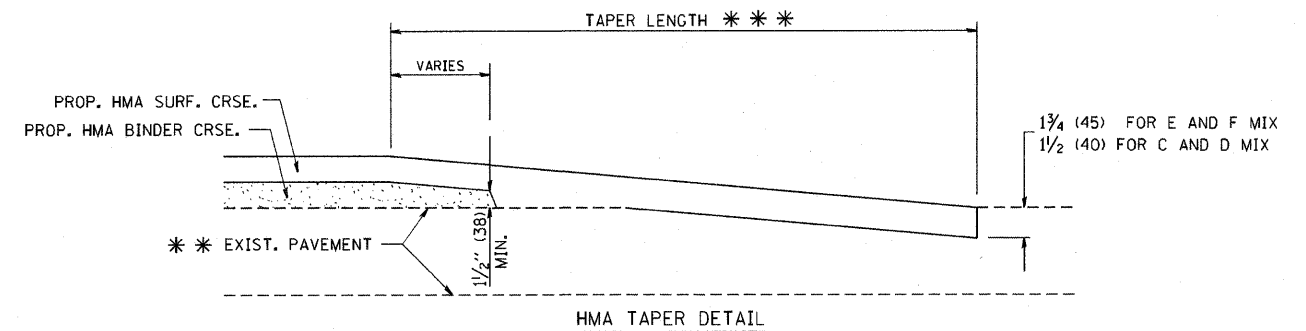


BUTT JOINT AND  
HMA TAPER

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



BUTT JOINT DETAIL



HMA TAPER DETAIL

**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'-0" (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 SQUARE YARD (SQUARE 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.

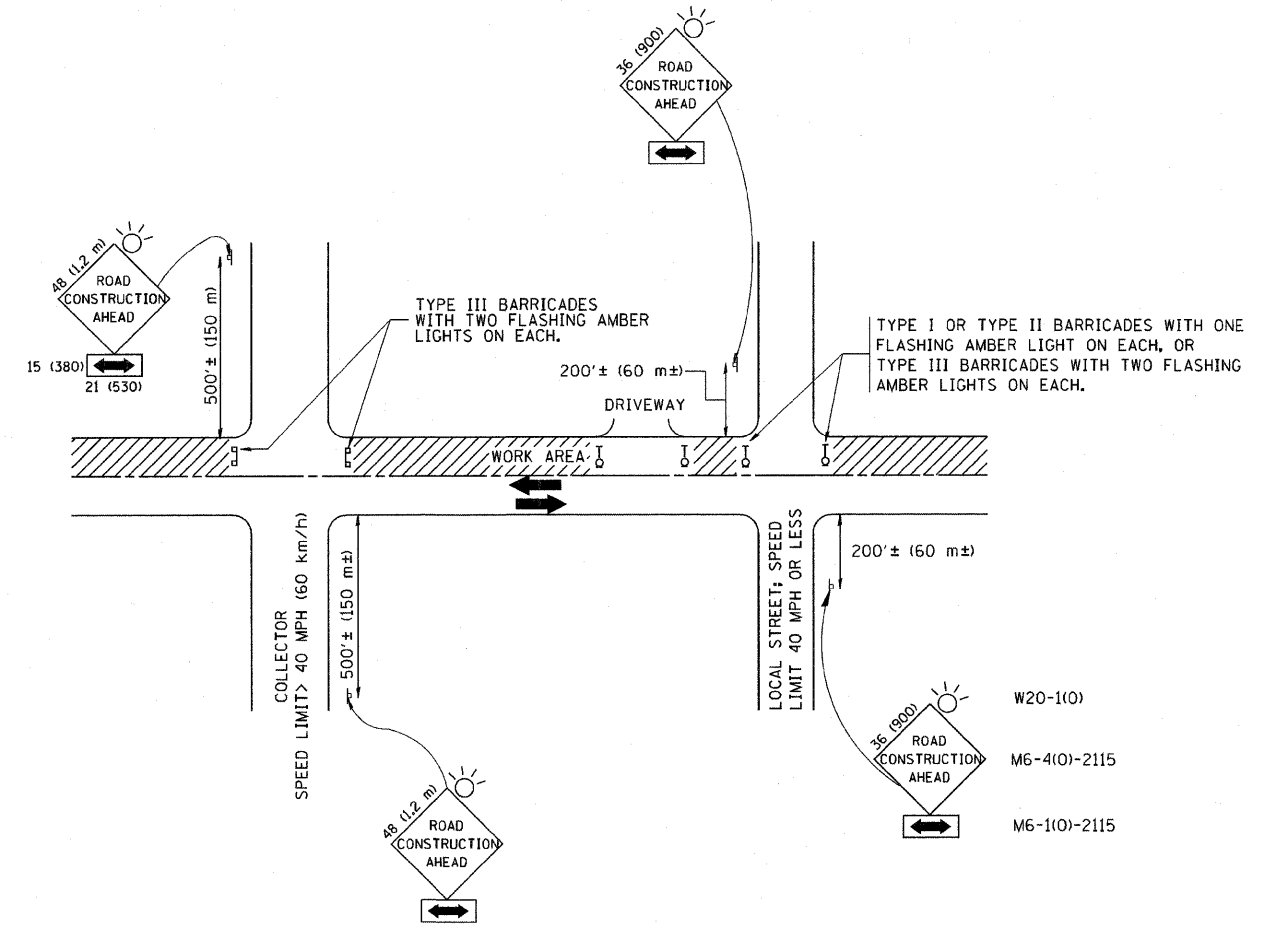
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 9
BD400-05 BD32		CONTRACT NO. 63704		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				

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



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:
    - 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.
    - 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.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - 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.
    - 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:  
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.

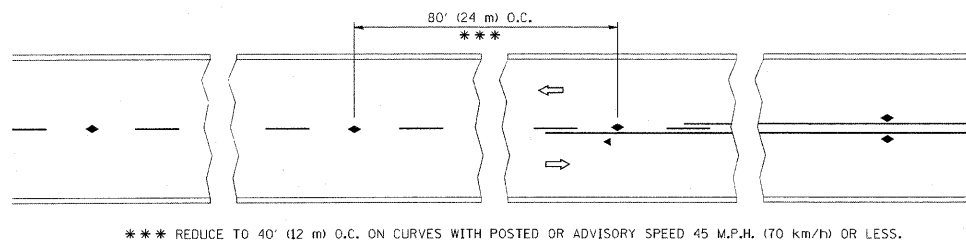
All dimensions are in millimeters (inches) unless otherwise shown.

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	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

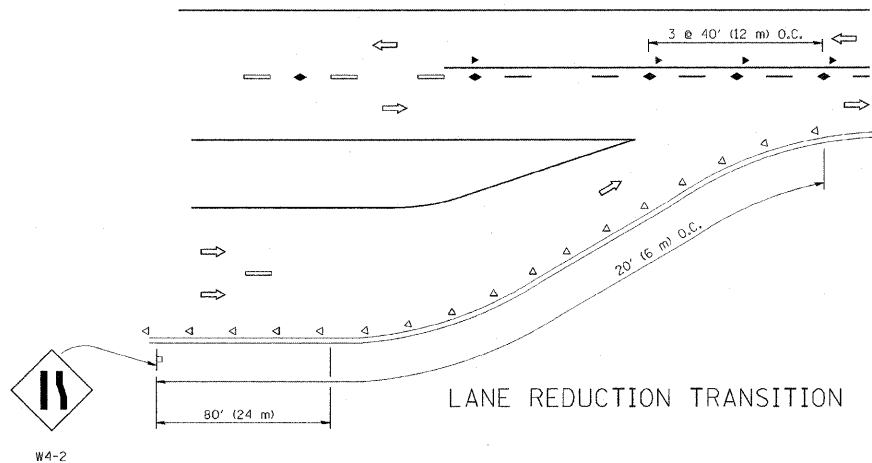
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	10
TC-10			CONTRACT NO. 63704	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				

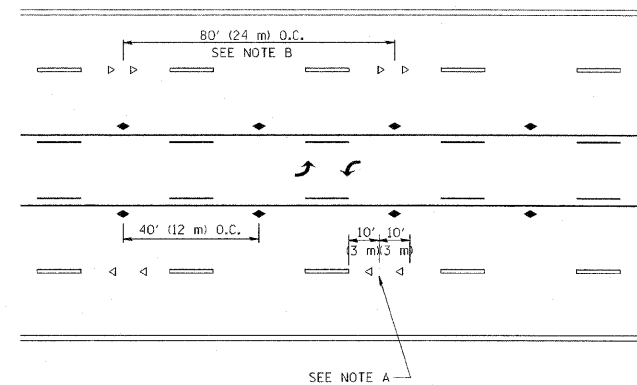


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

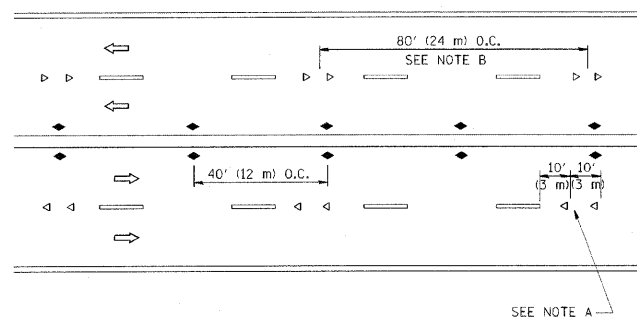
TWO-LANE/TWO-WAY



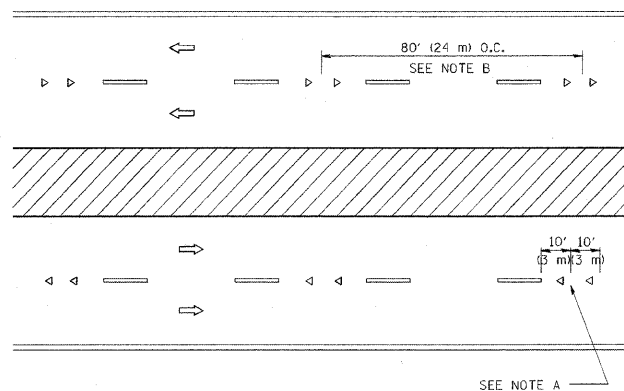
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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.

SYMBOLS

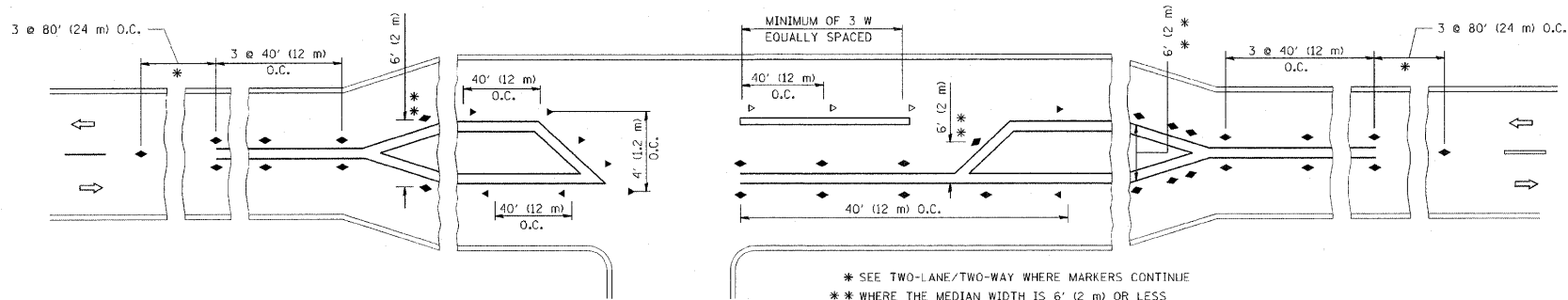
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/D)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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.

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 LINES.
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

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

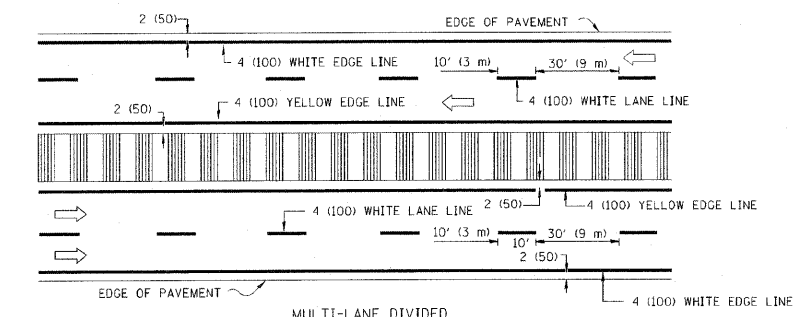
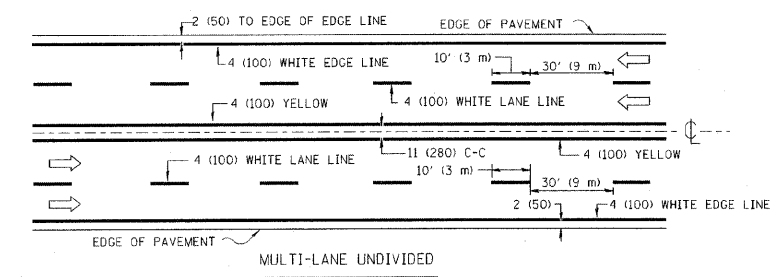
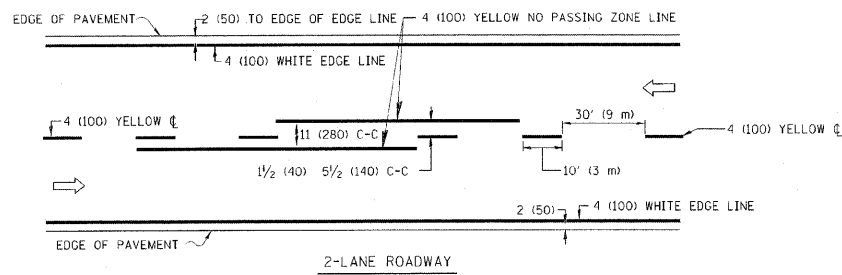
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11025	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

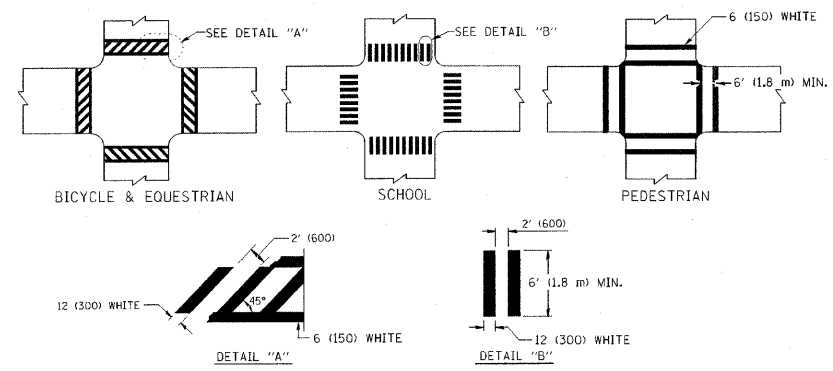
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	11
TC-11		CONTRACT NO. 63704		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-9003(824)		

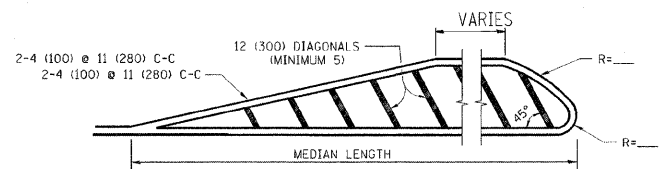
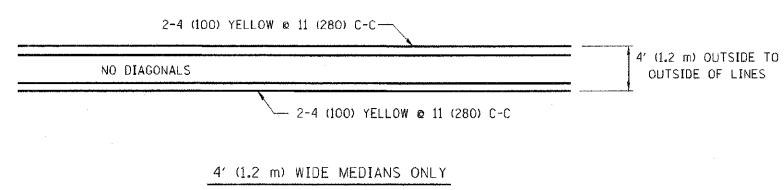


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

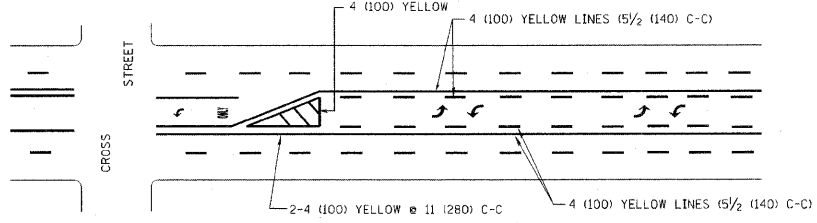


TYPICAL CROSSWALK MARKING

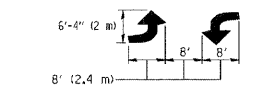


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

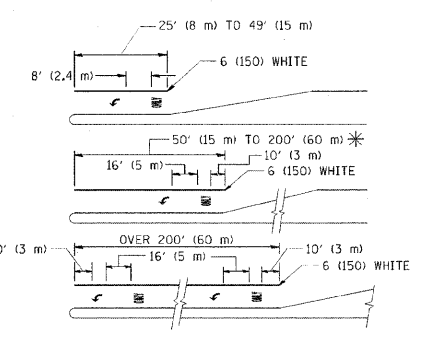
MEDIANS OVER 4' (1.2 m) WIDE



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



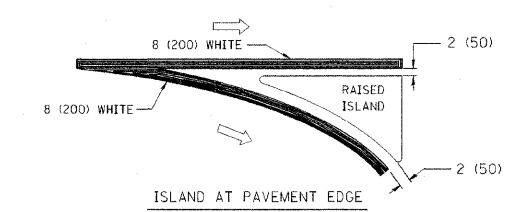
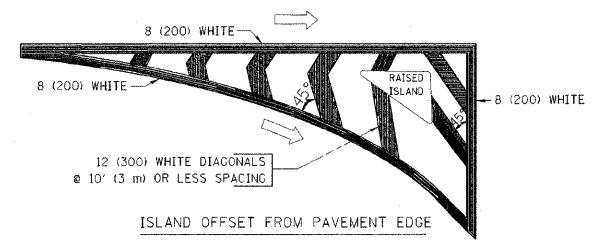
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. 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 UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125)	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) LINES FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OR RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	—
RAILROAD "X" 6.1m (20ft.)	5.02(54.0)	—
HANDICAPPED SYMBOL	0.56 (6.0)	—

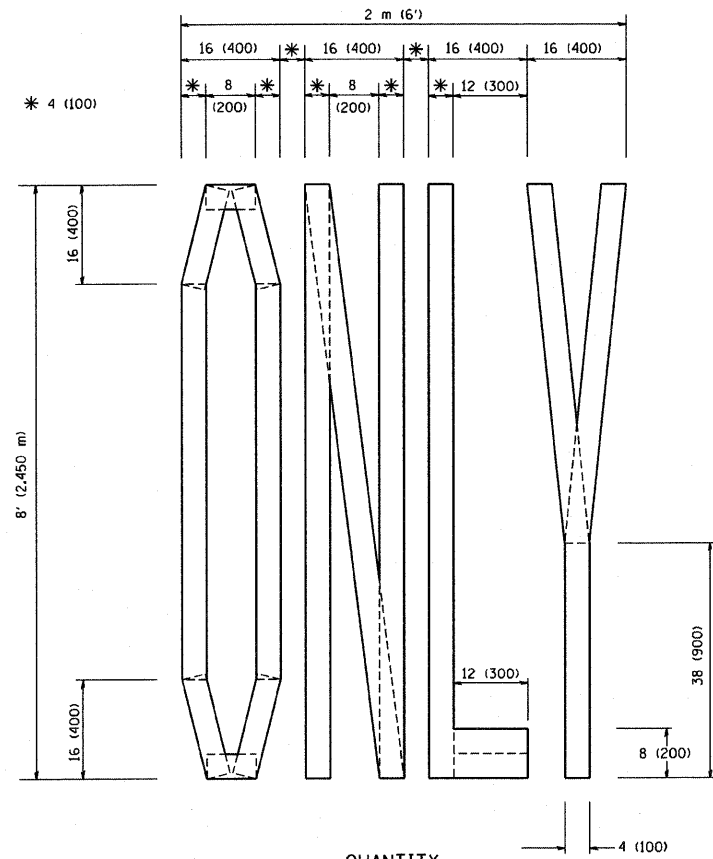
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = dr.vokosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
DRAWN -	CHECKED -	DATE - 03-19-90	REVISED - C. JUICIUS 09-09-09
PLOT SCALE = 50,000 / IN.	PLOT DATE = 9/9/2009		

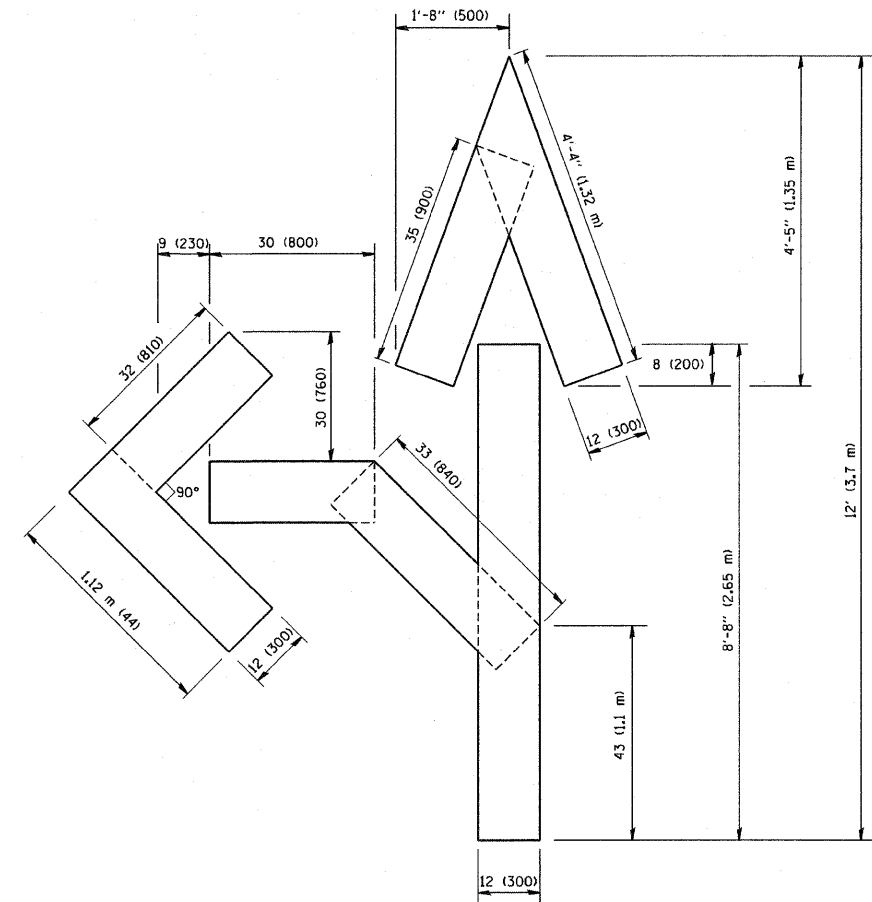
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

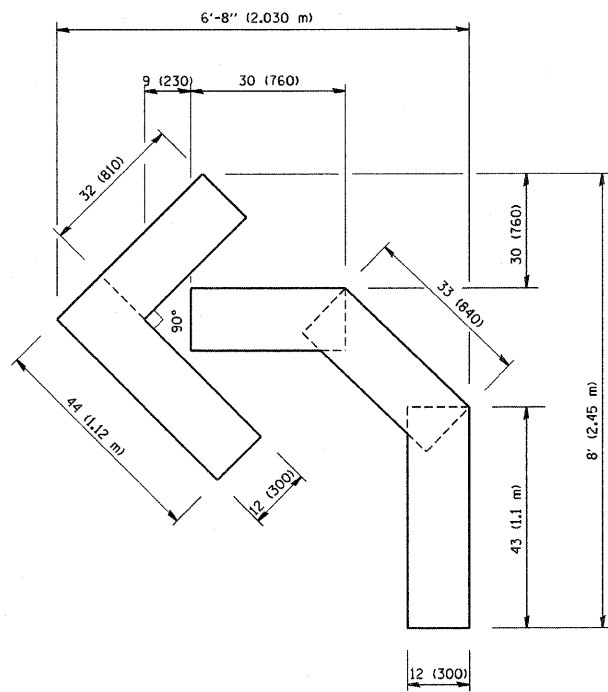
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	12
TC-13		CONTRACT NO. 63704		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\ta16.dgn	USER NAME = gegl1anobt	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
		DRAWN -	REVISED - T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

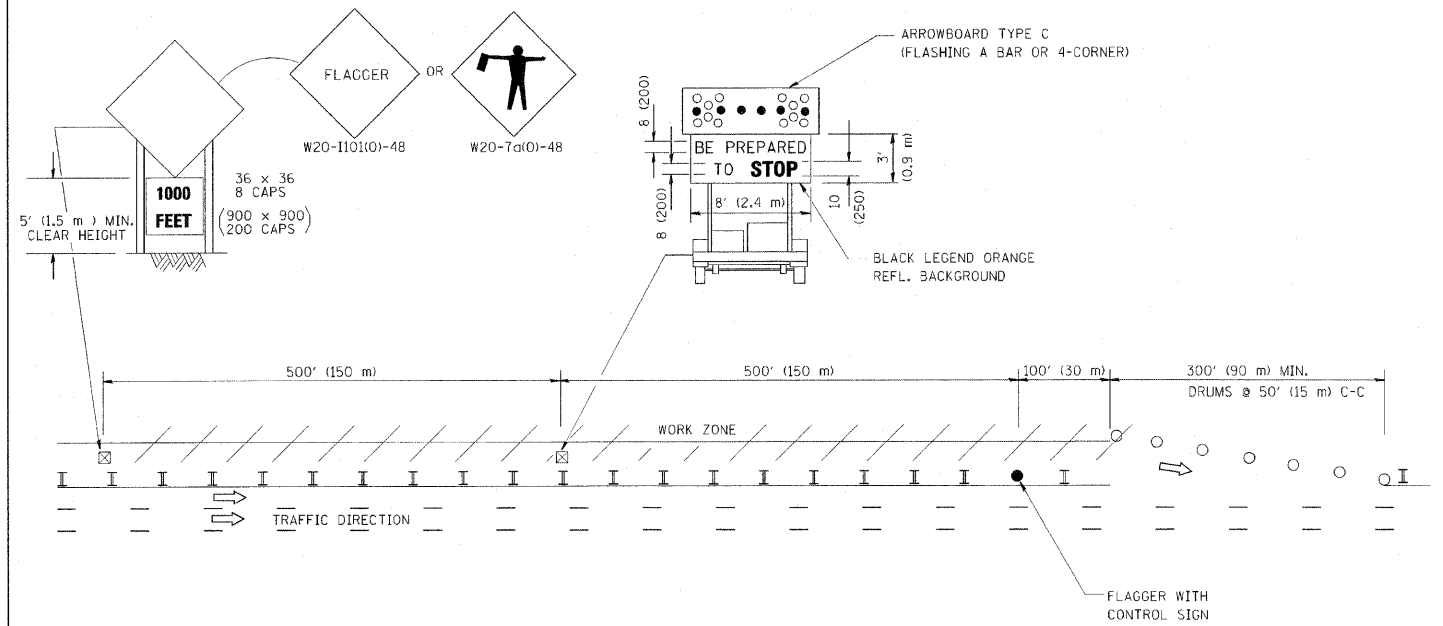
PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

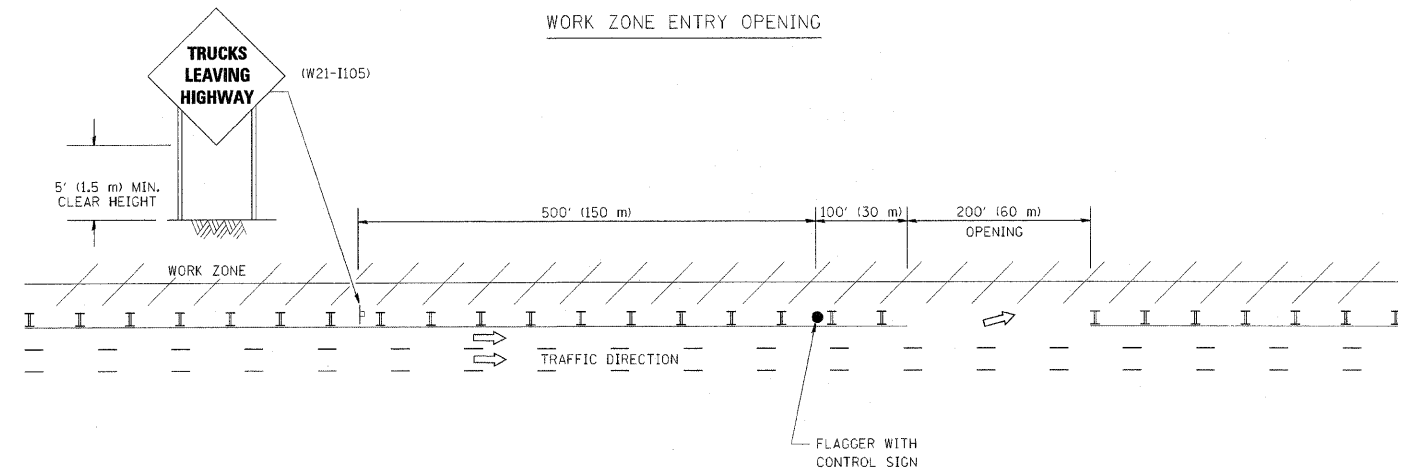
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	13
TC-16			CONTRACT NO. 63704	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			M-9003(824)	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

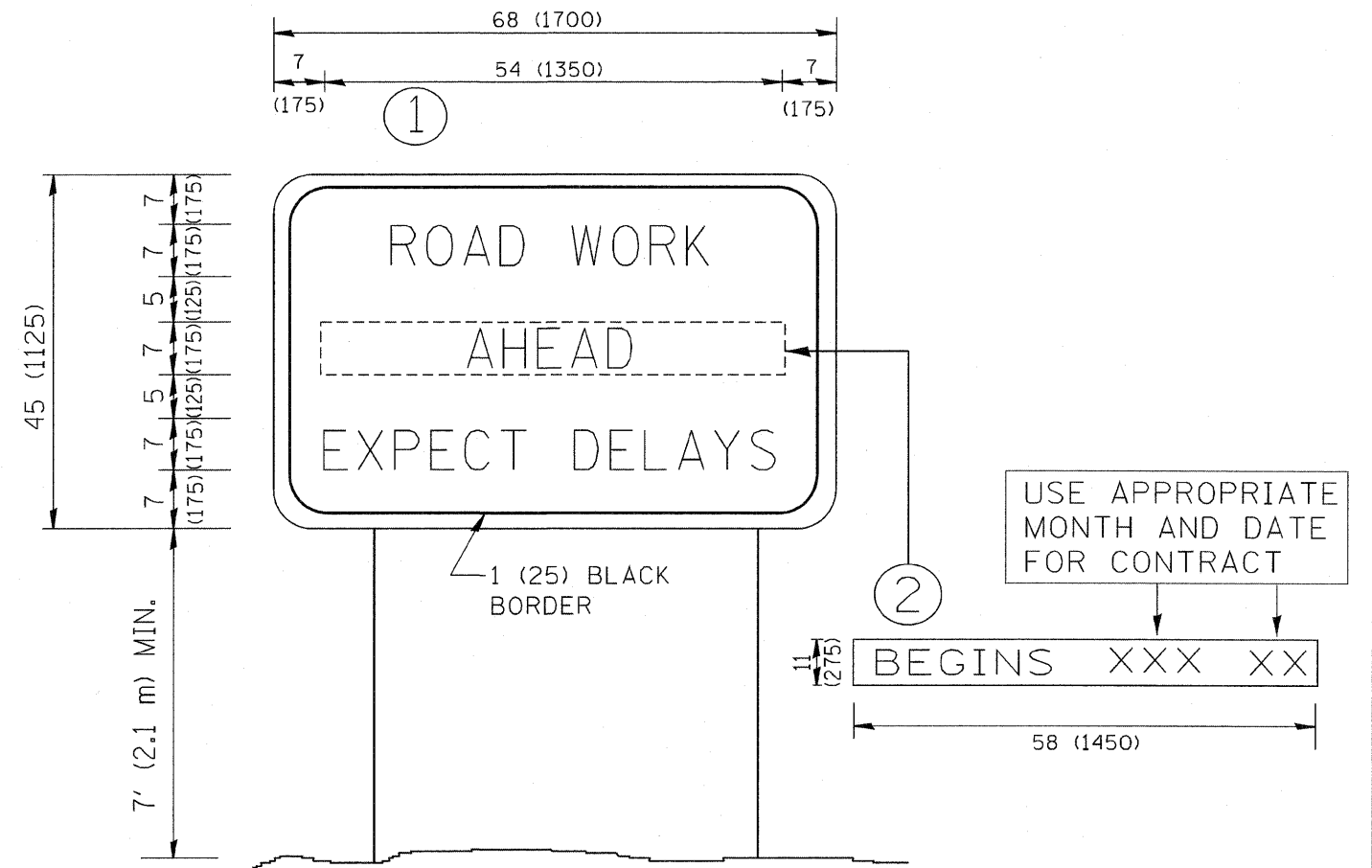
FILE NAME = W:\dststd\22x34\to:8.dgn	USER NAME = leusa	DESIGNED -	REVISED - J.A.F. 04-03
		DRAWN -	REVISED - J.A.F. 02-06
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4307	11-00048-00-RS	WILL	15	14
TC-18		CONTRACT NO. 63704		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				



**NOTES:**

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

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

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = geglionbt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. 4307	SECTION 11-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 15
<b>TC-22</b>		<b>CONTRACT NO. 63704</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(824)				