

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	1	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60G94		

D-91-550-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

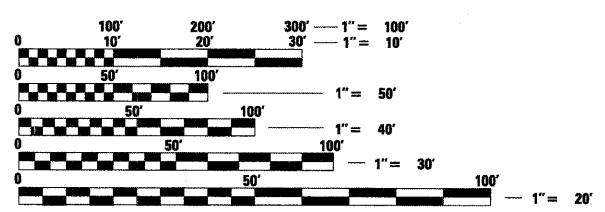
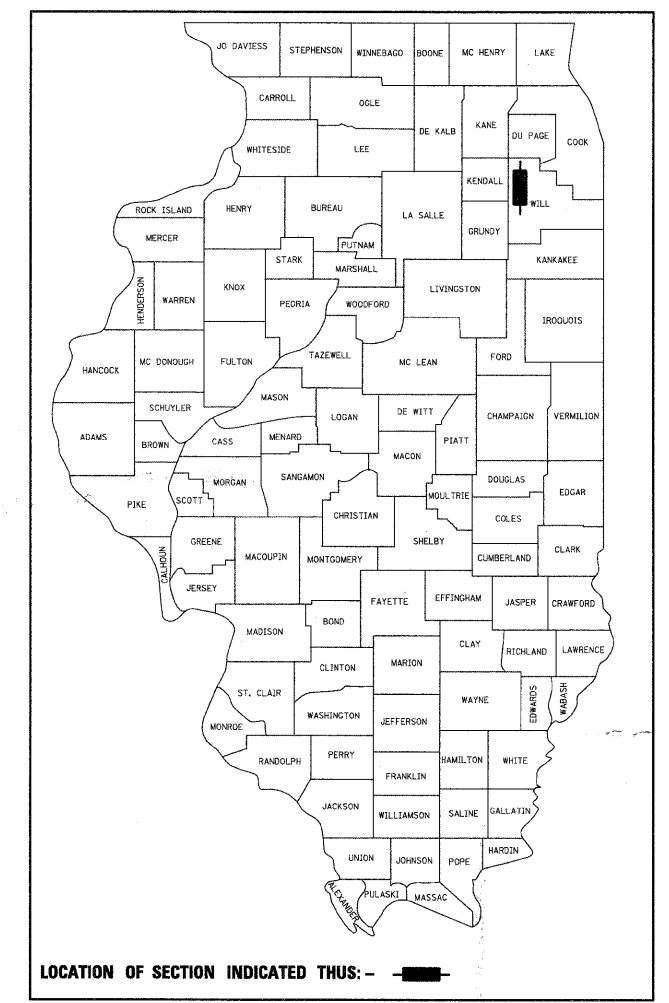
OTHER ROUTE 297 (HOFF ROAD)
IL ROUTE 53 TO OLD CHICAGO ROAD

SECTION: 1-G-RS-1
RESURFACING (3P)

WILL COUNTY
C-91-550-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT 5000 (2009)
SPEED LIMIT 50 MPH

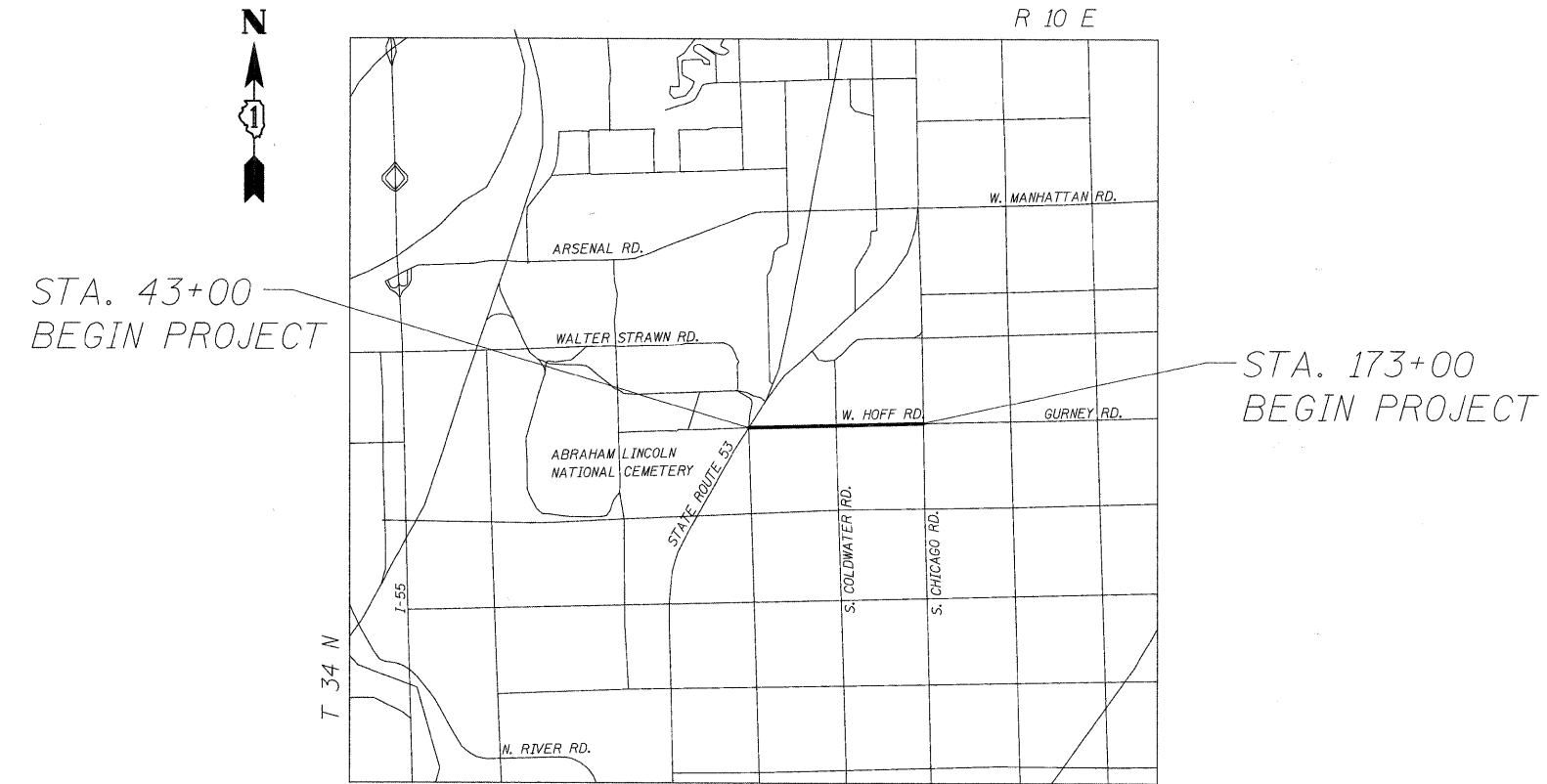


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: REJENDRA C. SHAH (847) 705-4555
PROJECT MANAGER: CATHERINE KIBBLE (847) 705-4269

CONTRACT NO. 60G94



LOCATION SKETCH

NET AND GROSS LENGTH OF PROJECT = 9,000' = 1.705 MI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED APRIL 15, 2009
Diane M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 1, 2009
Charles J. Ingersoll ENGINEER OF DESIGN AND ENVIRONMENT
May 1, 2009
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

LONGO, INC.
CONSULTING ENGINEERS
1560 WALL ST., SUITE 222
NAPEVILLE, ILLINOIS 60563 PH: (630) 577-9100

WILLIAM J. O'NEILL
052-047827
REGISTERED PROFESSIONAL ENGINEER
Expires 11-30-09

INDEX OF SHEETS

STATE STANDARDS

PLAN NOTES

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
5-9	ROADWAY AND PAVEMENT MARKING PLANS
10	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
11	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
12	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
13	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
14	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
15	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
16	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
17	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
18	ARTERIAL ROAD INFORMATION SIGN (TC-22)

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND CLASS D PATCHES
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING DAY OPERATIONS
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES WITHIN THE VILLAGE OF ELWOOD.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OF FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

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" SHEETS INCLUDED ON THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MS. BOLEA MATHIS, AREA TRAFFIC FIELD ENGINEER AT (815) 465-6475 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OR WORK SPECIFIED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).



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	DATE - 06/27/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
HOFF ROAD**

SCALE: NONE SHEET NO. 2 OF 18 SHEETS STA. 43+00 TO STA. 173+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	2
D-91-550-09			CONTRACT NO. 60G94	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES					SUMMARY OF QUANTITIES				
CODE NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE		CODE NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE	
			URBAN TOTAL QUANTITIES	1000 100% STATE				URBAN TOTAL QUANTITIES	1000 100% STATE
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	13	13	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	56	56
40600300	AGGREGATE (PRIME COAT)	TON	58	58	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9766	9766
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3	* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28960	28960
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1214	1214	* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	56	56
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	164	164
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	687	687	X0322256	TEMPORARY INFORMATIONAL SIGNING	SQ FT	155	155
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	73	73	X0656100	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT	SQ YD	406	406
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3075	3075	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	35	35
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2889	2889					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	31778	31778					
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	325	325					
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	4	4					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	230	230					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	17	17					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	100	100					
55039700	STORM SEWERS TO BE CLEANED	FOOT	1300	1300					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	25	25					
60255500	MANHOLES TO BE ADJUSTED	EACH	25	25					
60260100	INLETS TO BE ADJUSTED	EACH	25	25					
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	65	65					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3					
67100100	MOBILIZATION	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70300100	SHORT - TERM PAVEMENT MARKING	FOOT	29016	29016					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28960	28960					

*Specialty Items



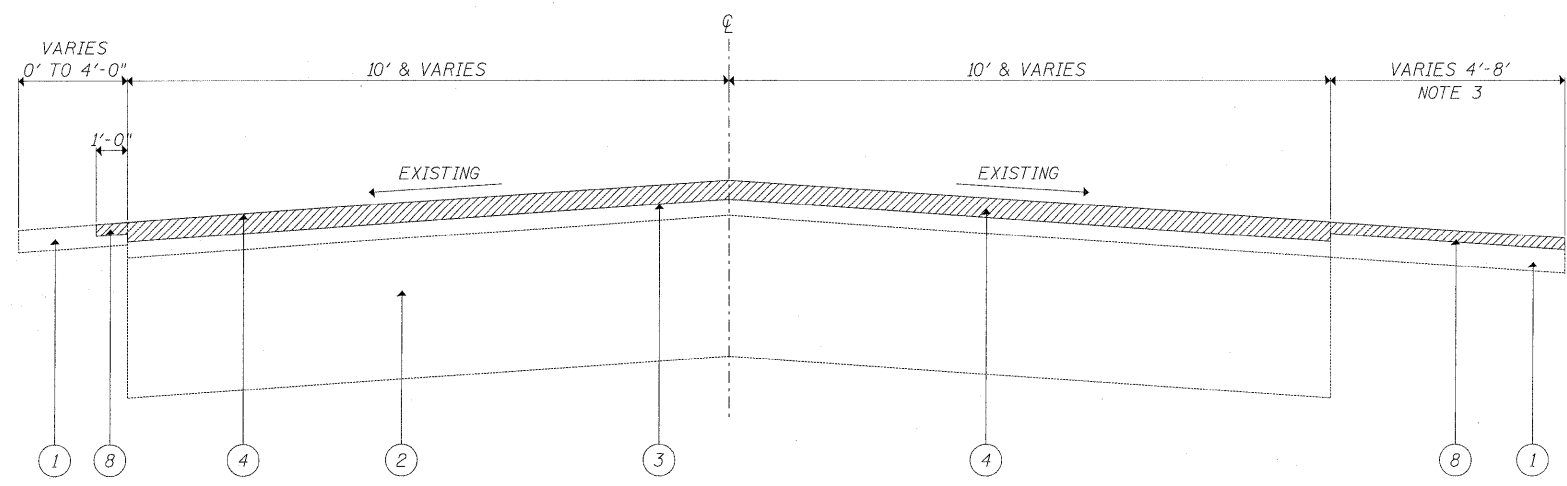
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

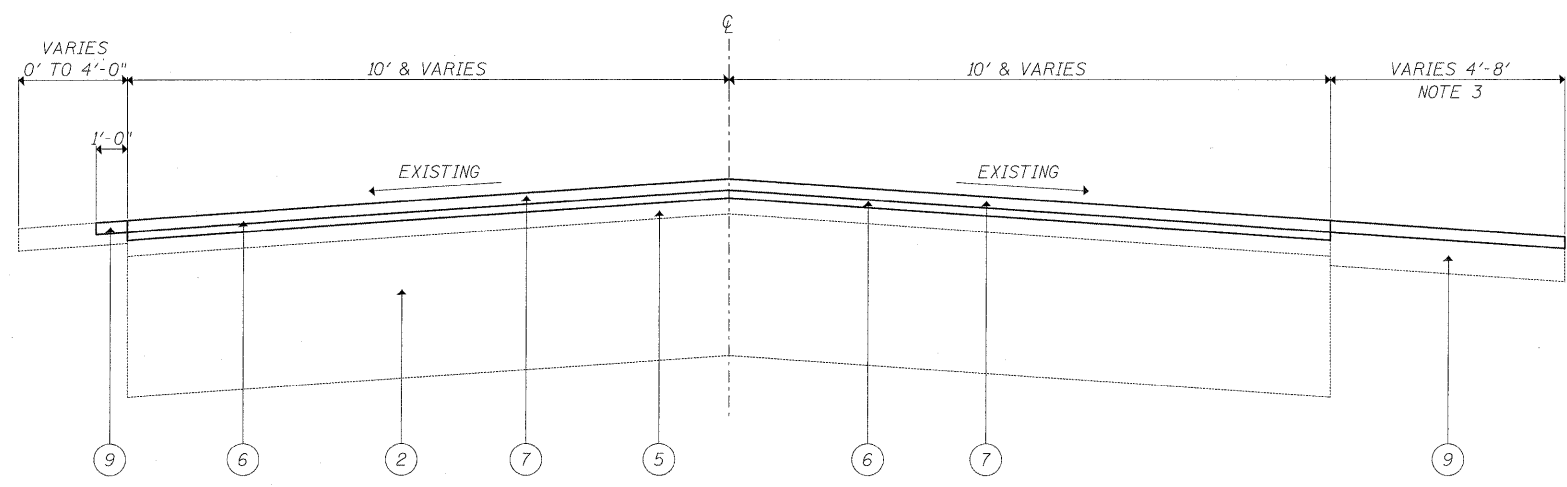
SUMMARY OF QUANTITIES
W HOFF ROAD

SCALE: NONE SHEET NO. 3 OF 18 SHEETS STA. 43+00 TO STA. 173+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	3
D-91-550-09		CONTRACT NO. 60694		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION



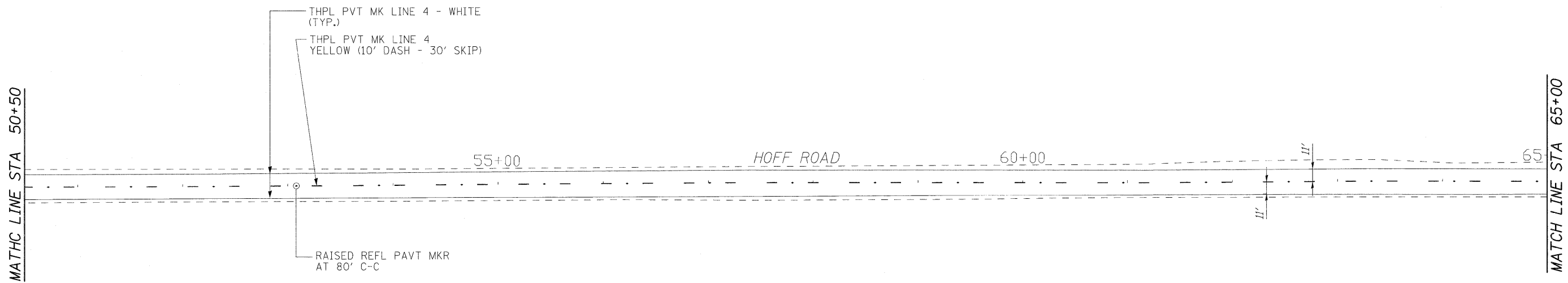
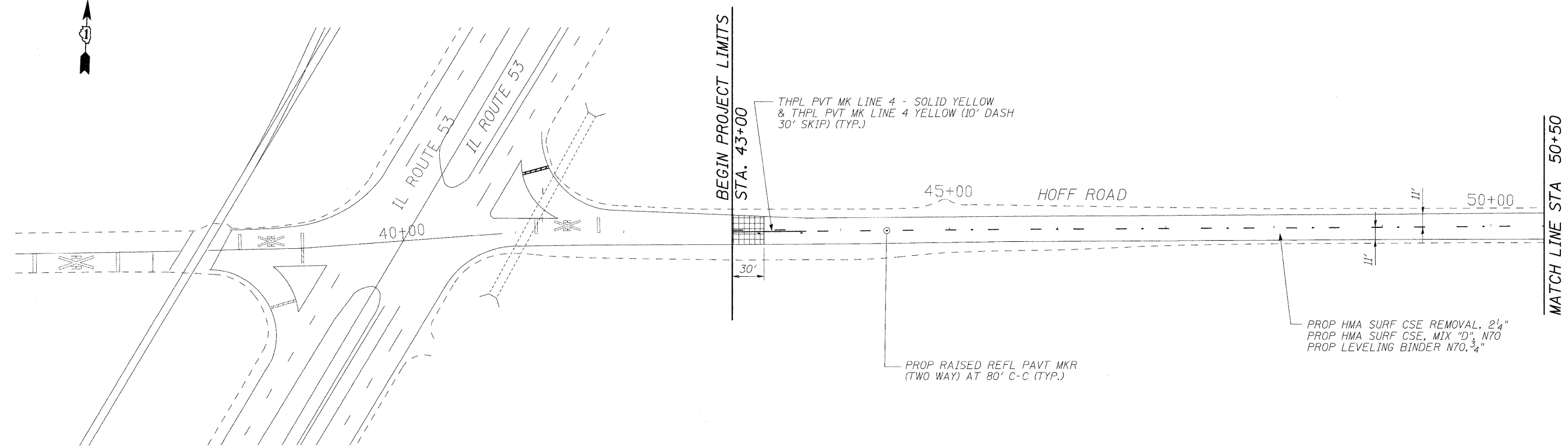
PROPOSED TYPICAL SECTION

LEGEND

- ① EXISTING BITUMINOUS SHOULDER
- ② EXISTING P.C. CONCRETE PAVEMENT +/- 9"
- ③ EXISTING HMA SURFACE COURSE +/- 4 1/2"
- ④ PROPOSED HMA SURFACE REMOVAL (2 1/4")
- ⑤ EXISTING HMA SURFACE OVERLAY AFTER MILLING, +/- 2"
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 (3/4")
- ⑦ PROPOSED HMA SURFACE COURSE, MIX "D", N70 (1 3/4")
- ⑧ PROPOSED HMA SURFACE REMOVAL (1 1/2")
- ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70 (1 1/2")

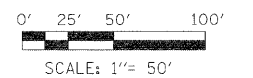
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC/PG	DESIGN AIR VOIDS
HMA SURFACE COURSE, MIX D, N70. (IL-9.5 mm)	PG 64-22	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS-SBR PG 76-28/22	4% @ 50 GYR
CLASS D PATCHES (HMA BINDER IL 19 mm)	PG 64-22*	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL 19 mm)	PG 64-22*	4% @ 70 GYR

- NOTE:**
- 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LSB/SQYD/IN. *WHEN RAP EXCEEDS 20%. THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22
 - 2: THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING
 - 3: SHOULDER WIDENING GREATER THAN 4' AT VARIOUS LOCATIONS WITHIN THE LIMITS OF IMPROVEMENT



LEGEND

- DRIVEWAY REMOVAL & REPLACEMENT
- BUTT JOINT



LOWCO, INC.
CONSULTING ENGINEERS
1560 WALL STREET
NAPEVILLE, ILLINOIS 60563 Ph (630) 577-9100

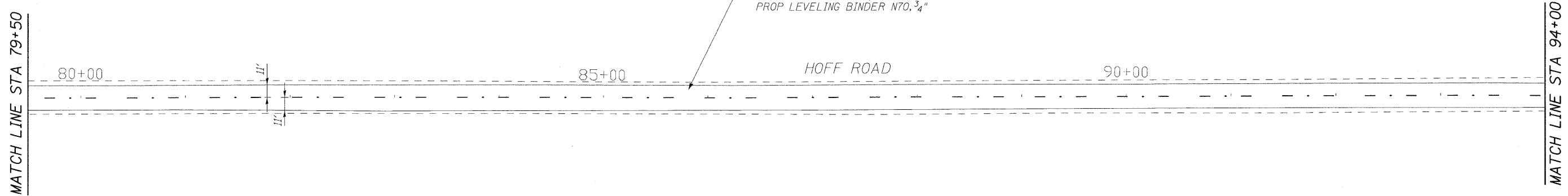
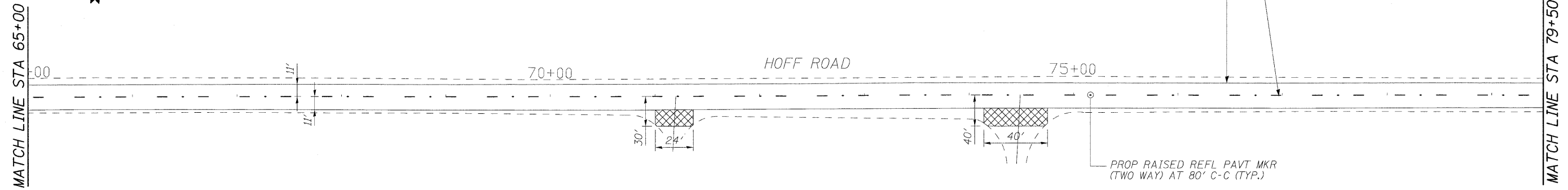
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**PAVING & PAVEMENT MARKING PLAN
W HOFF ROAD**


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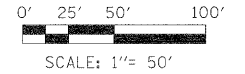
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297	1-G-RS-1	WILL	18	5
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

 - DRIVEWAY REMOVAL & REPLACEMENT

 - BUTT JOINT



LONCO, INC.
 CONSULTING ENGINEERS
 1560 WALL STREET
 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

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PLOT DATE = #DATE#	DATE - 04/15/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVING & PAVEMENT MARKING PLAN
 W HOFF ROAD**

SCALE: 1" = 50' SHEET NO. 6 OF 18 SHEETS STA. 65+00 TO STA. 94+00

F.A.U. RTE. 297	SECTION 1-G-RS-1	COUNTY WILL	TOTAL SHEETS 18	SHEET NO. 6
D-91-550-09		CONTRACT NO. 60694		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCH LINE STA 94+00

MATCH LINE STA 108+50

95+00

100+00

HOFF ROAD

40'

S. COLDWATER RD.

44'

105+00

30'

20'

PROP RAISED REFL PAVT MKR
(TWO WAY) AT 80' C-C (TYP.)

MATCH LINE STA 108+50

MATCH LINE STA 123+00

110+00

115+00

HOFF ROAD

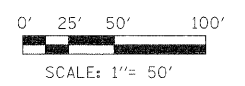
120+00

PROP HMA SURF CSE REMOVAL, 2 1/4"
PROP HMA SURF CSE, MIX "D", N70
PROP LEVELING BINDER N70, 3/4"

LEGEND

 DRIVEWAY REMOVAL & REPLACEMENT

 BUTT JOINT



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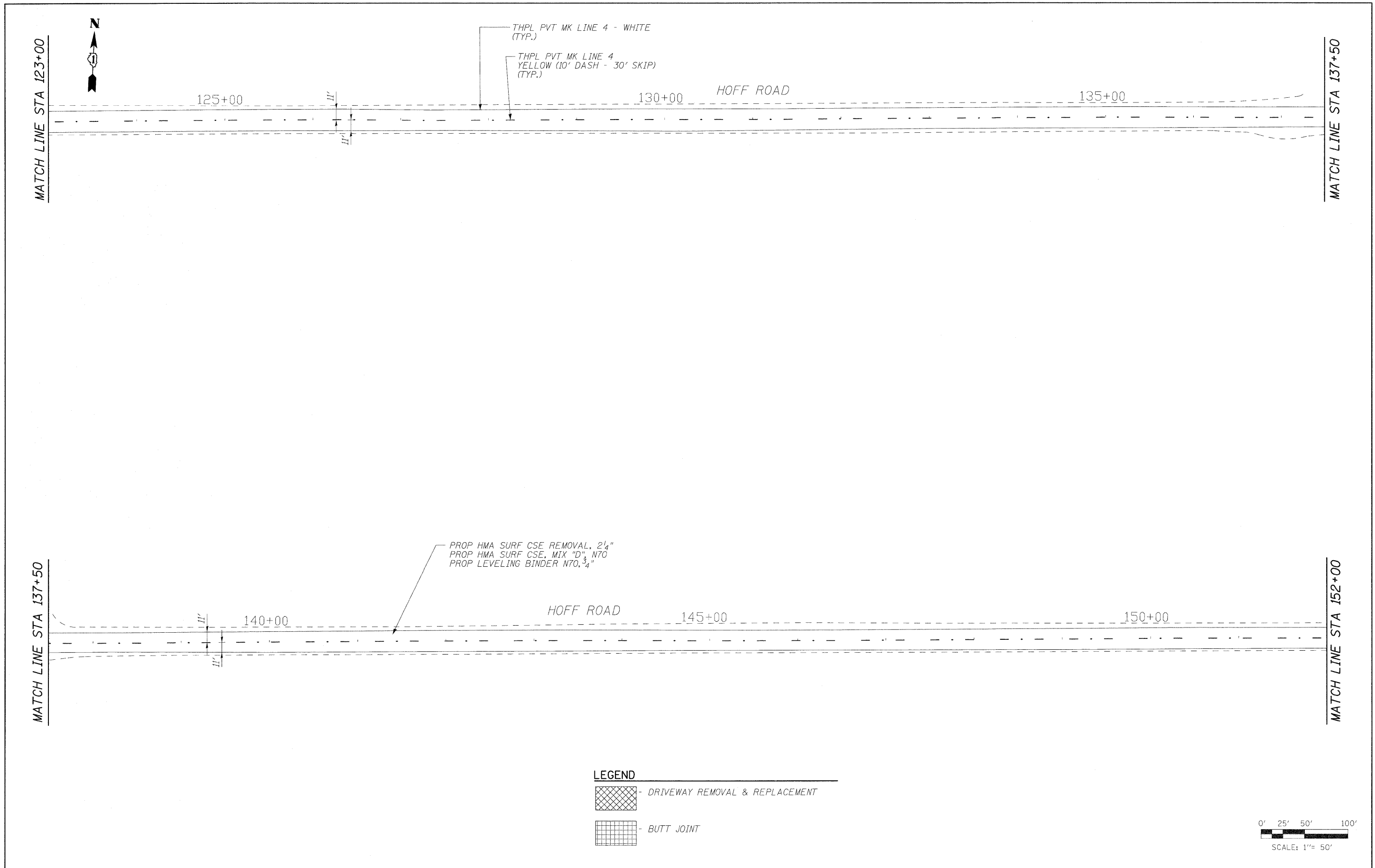
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVING & PAVEMENT MARKING PLAN
W HOFF ROAD**

SCALE: 1" = 50' SHEET NO. 7 OF 18 SHEETS STA. 94+00 TO STA. 123+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-C-RS-1	WILL	18	7
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LOWCO, INC.
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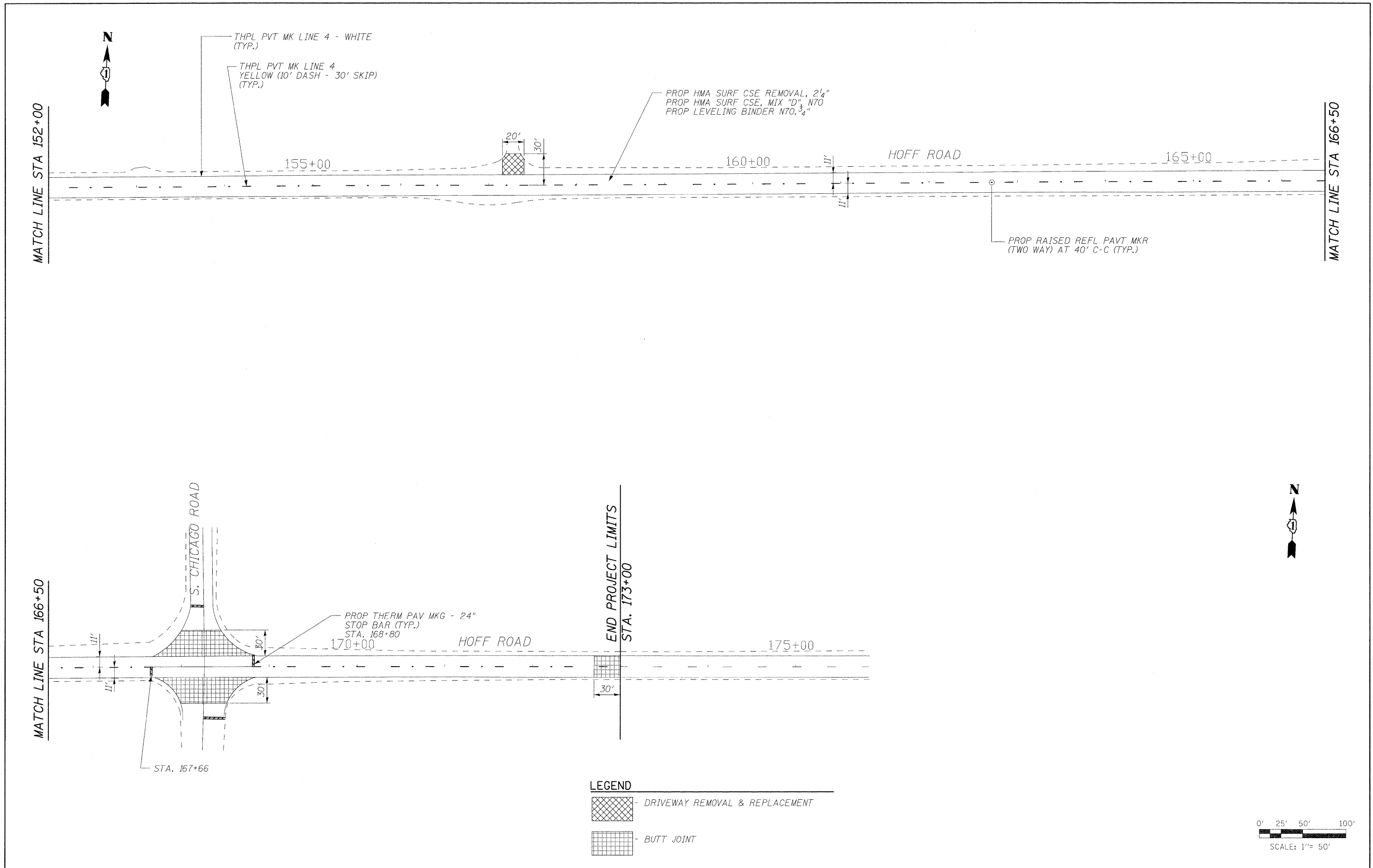
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVING & PAVEMENT MARKING PLAN
 W HOFF ROAD**

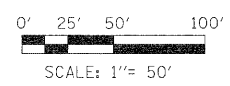
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	8
D-91-550-09			CONTRACT NO. 60G94	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

	- DRIVEWAY REMOVAL & REPLACEMENT
	- BUTT JOINT



LOWCO, INC.
 CONSULTING ENGINEERS
 1560 WALL STREET
 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

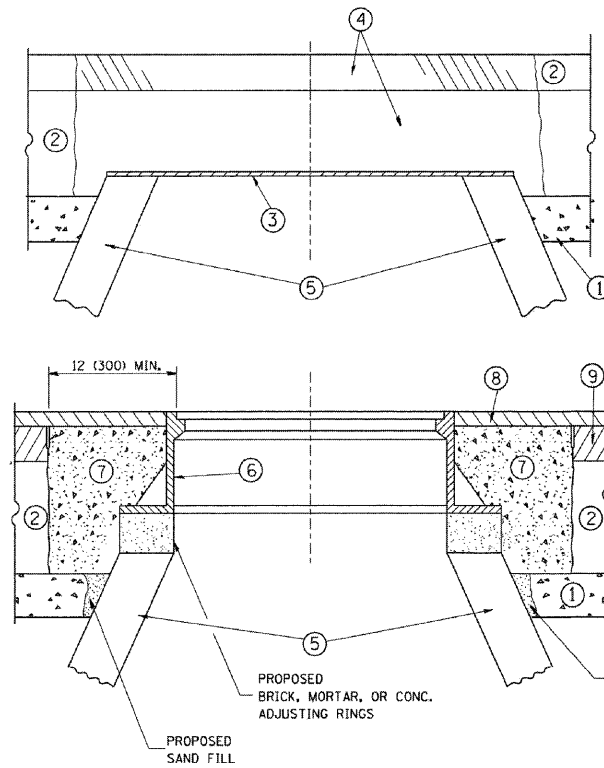
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	DATE - 04/15/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVING & PAVEMENT MARKING PLAN
 W HOFF ROAD**

SCALE: 1" = 50' SHEET NO. 9 OF 18 SHEETS STA. 152+00 TO STA. 173+00

F.A.U. RTE. 297	SECTION 1-G-RS-1	COUNTY WILL	TOTAL SHEETS 18	SHEET NO. 9
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (140) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

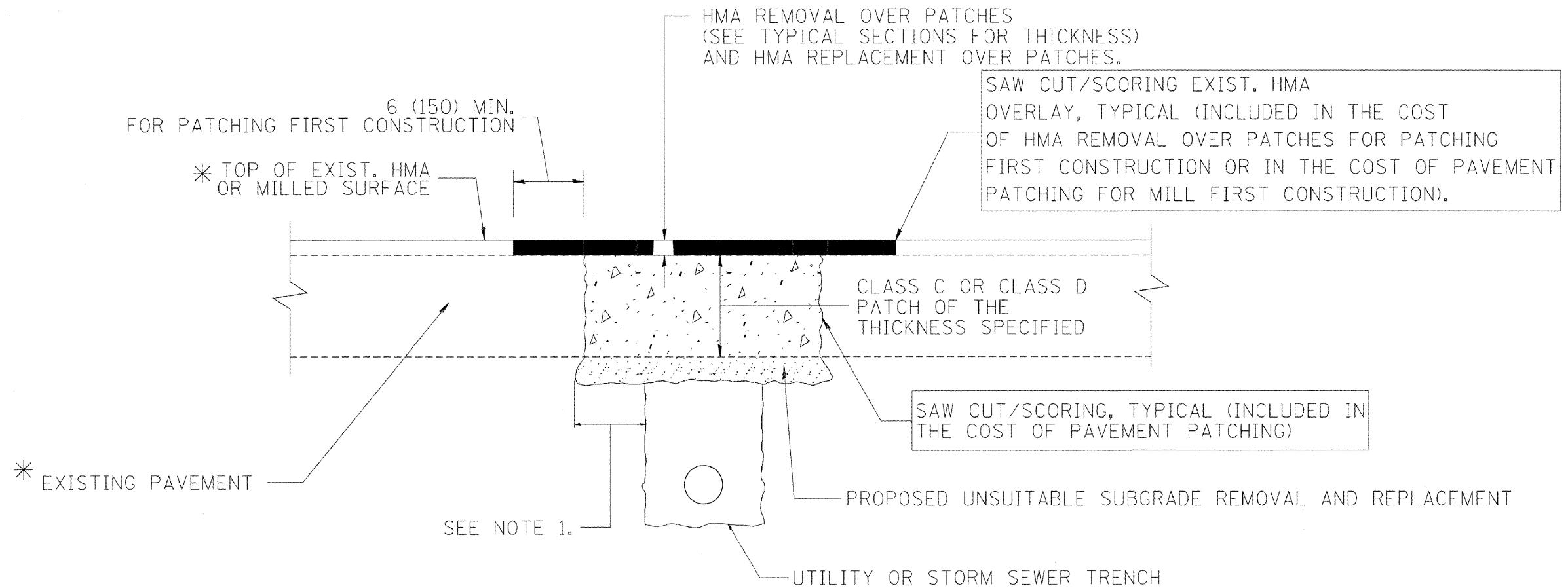
CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

LOVCO, INC. CONSULTING ENGINEERS 1560 WALL ST., SUITE 222 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	USER NAME = #USER#	DESIGNED - MJY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE DETAIL SHEETS W HOFF ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ST	REVISED -			297	1-G-RS-1	WILL	18	10
PLOT DATE = #DATE#	CHECKED - MJY	DATE - 04/15/2009	REVISED -	SCALE: NONE	SHEET NO. 10 OF 18 SHEETS	STA. 43+00 TO STA. 173+00	D-91-550-09 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 60G94	



* 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.

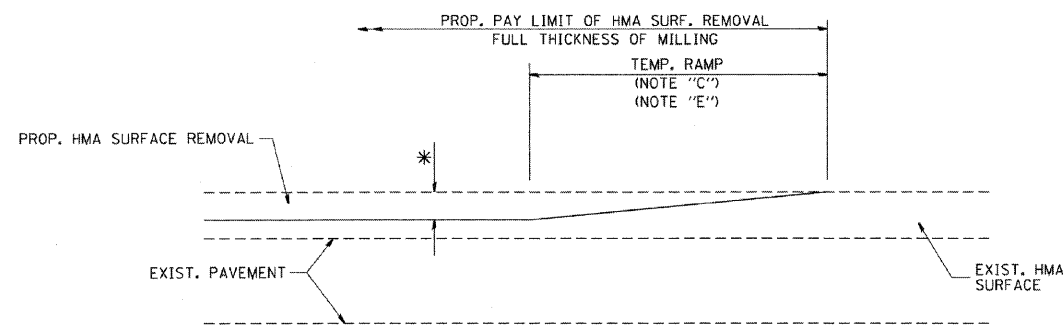
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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.

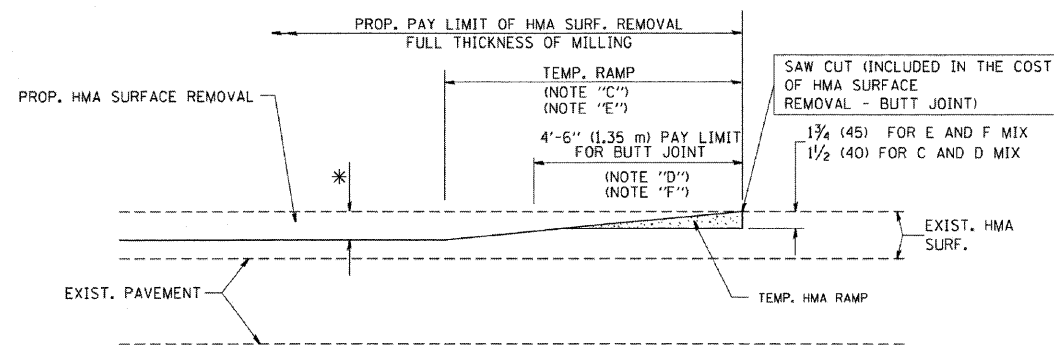
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

<p>CONSULTING ENGINEERS 1500 WALL ST. SUITE 222 NAPEVILLE, ILLINOIS 60563 PH (630) 577-9100</p>	USER NAME = #USER#	DESIGNED - MJY	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DISTRICT ONE DETAIL SHEETS W HOFF ROAD</p>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ST	REVISOR -		SCALE: NONE	SHEET NO. 11 OF 18 SHEETS	STA. 43+00 TO STA. 173+00	297	1-G-RS-1	WILL	18
PLOT DATE = #DATE#	CHECKED - MJY	DATE - 04/15/2009	REVISOR -			<p align="center">D-91-550-09</p>		<p align="center">CONTRACT NO. 60G94</p>			
	DATE -	REVISOR -				<p align="center">FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</p>					



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

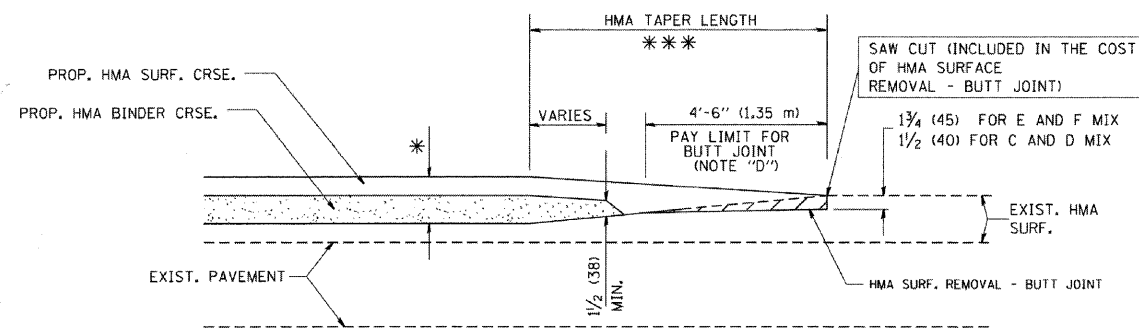
OPTION 1



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

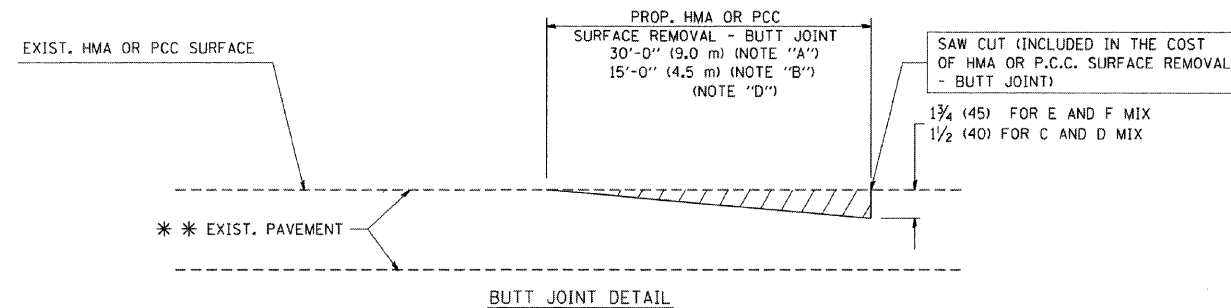
OPTION 2

TYPICAL TEMPORARY RAMP

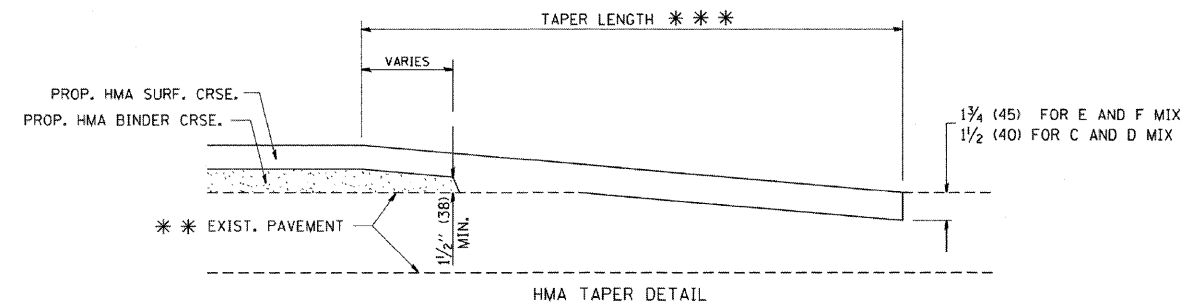


BUTT JOINT AND
HMA TAPER

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")

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

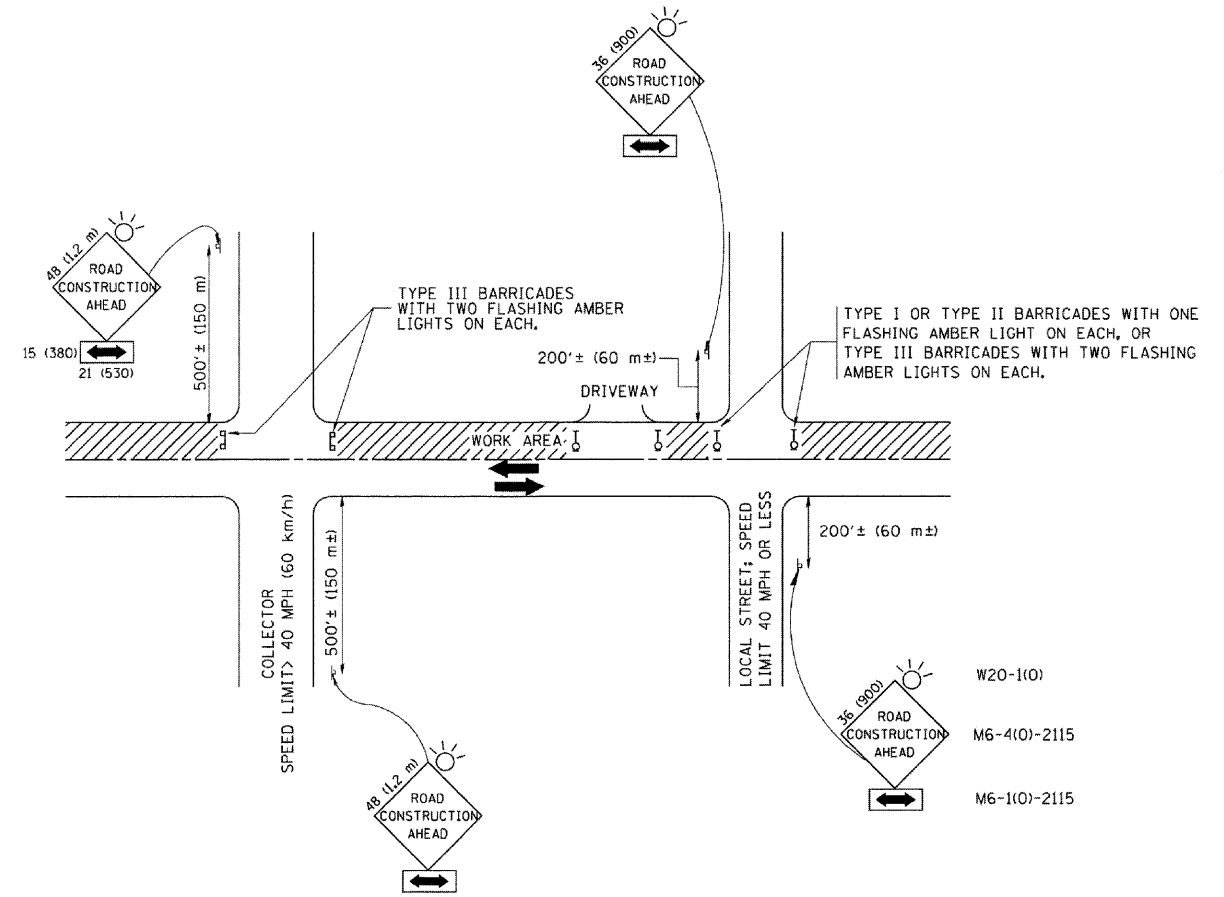
BASIS OF PAYMENT:

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".

BUTT JOINT AND HMA TAPER DETAILS

USER NAME = \$USER\$	DESIGNED - MJY	REVISED -
	DRAWN - ST	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - MJY	REVISED -
PLOT DATE = \$DATE\$	DATE - 04/15/2009	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	12
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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:
 - a) 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:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

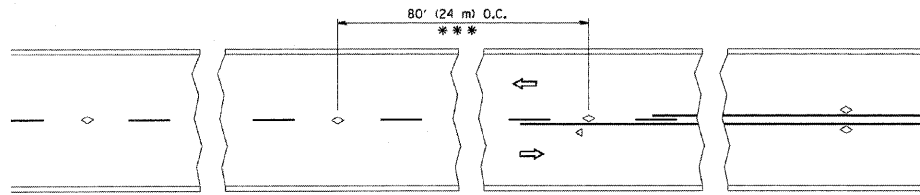
B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- 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.

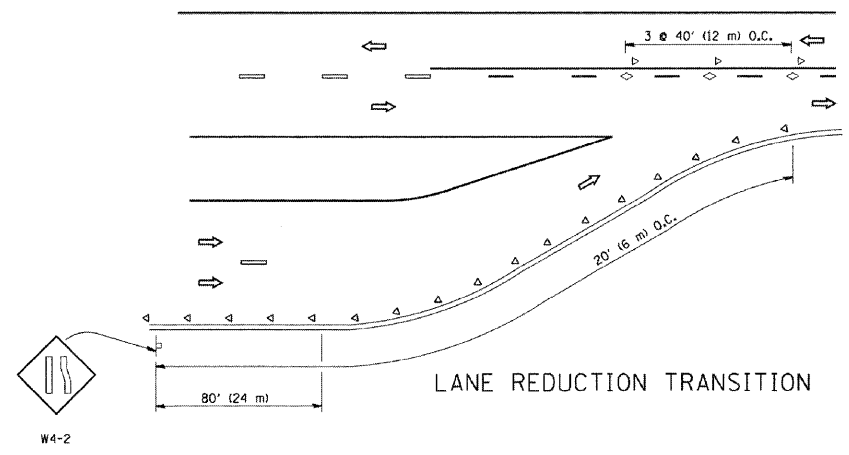
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

LOWCO, INC. CONSULTING ENGINEERS 1540 WALL ST., SUITE 222 NAPERVILLE, ILLINOIS 60563 PH (630) 577-9100	USER NAME = #USER#	DESIGNED - MJY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE DETAIL SHEETS W HOFF ROAD	F.A.U. RTE. 297	SECTION 1-G-RS-1	COUNTY WILL	TOTAL SHEETS 18	SHEET NO. 13
	PLOT SCALE = #SCALE#	CHECKED - MJY	REVISED -			SCALE: NONE	SHEET NO. 13 OF 18 SHEETS	STA. 43+00 TO STA. 173+00	D-91-550-09	
	PLOT DATE = #DATE#	DATE - 04/15/2009	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

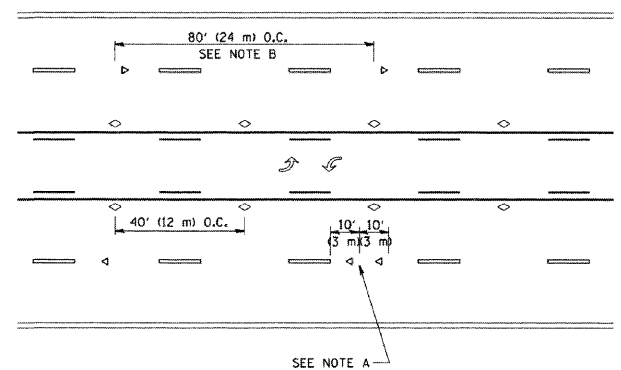


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

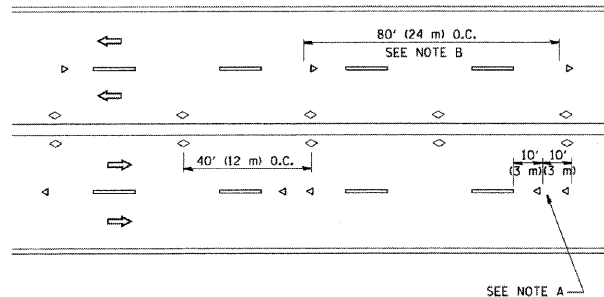
TWO-LANE/TWO-WAY



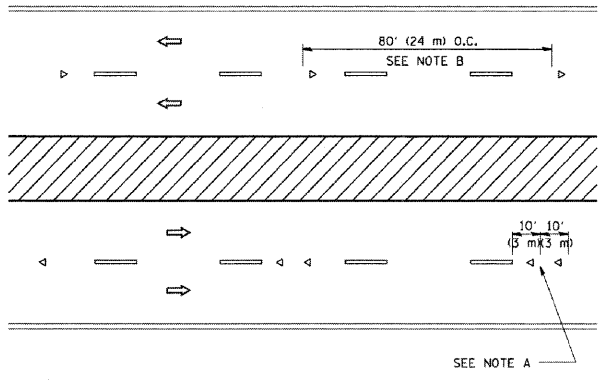
LANE REDUCTION TRANSITION



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

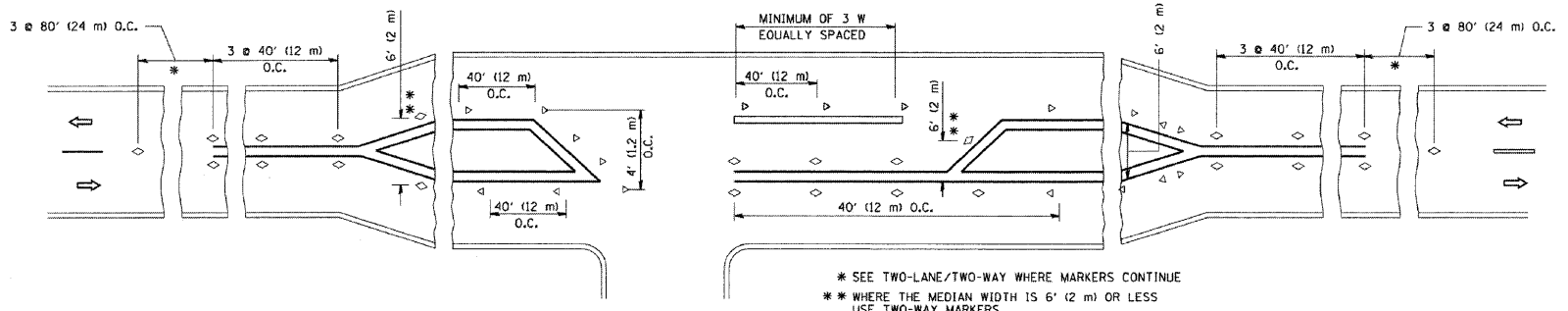
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

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

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

LOWCO, INC.
CONSULTING ENGINEERS
1560 WALL ST., SUITE 222
NAPEVILLE, ILLINOIS 60563 PH: (630) 577-9100

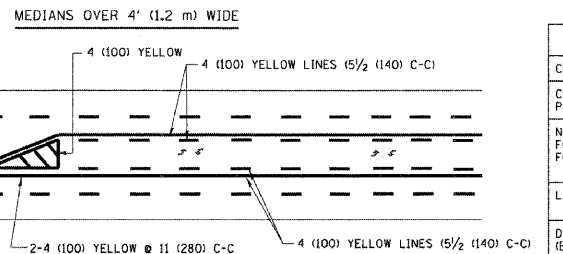
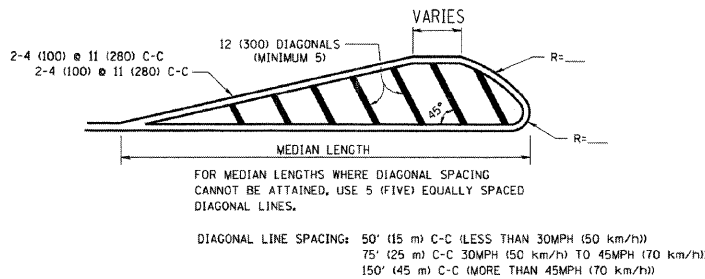
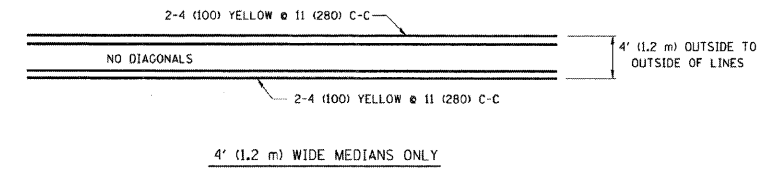
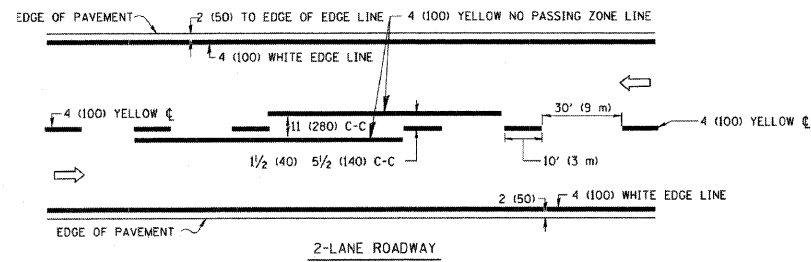
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PLOT SCALE = #SCALE#	DRAWN - ST	REVISD -
PLOT DATE = #DATE#	CHECKED - MJY	REVISD -
	DATE - 04/15/2009	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

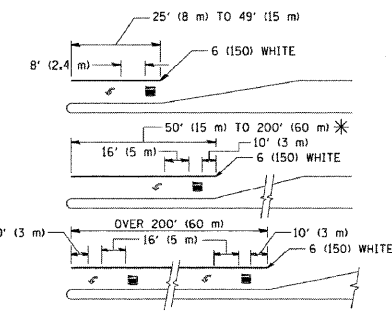
DISTRICT ONE DETAIL SHEETS
W HOFF ROAD

SCALE: NONE SHEET NO. 14 OF 18 SHEETS STA. 43+00 TO STA. 173+00

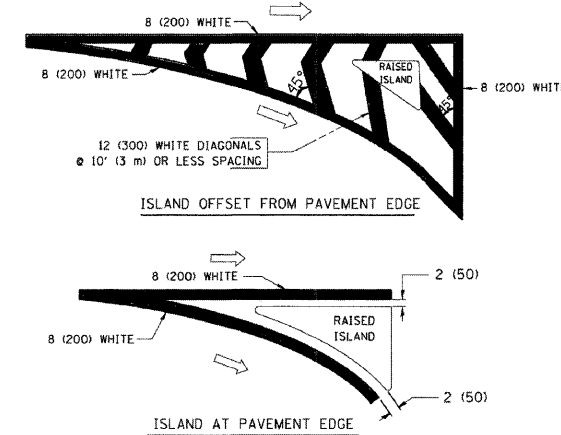
F.A.U. R.T.F. 297	SECTION 1-G-RS-1	COUNTY WILL	TOTAL SHEETS 18	SHEET NO. 14
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

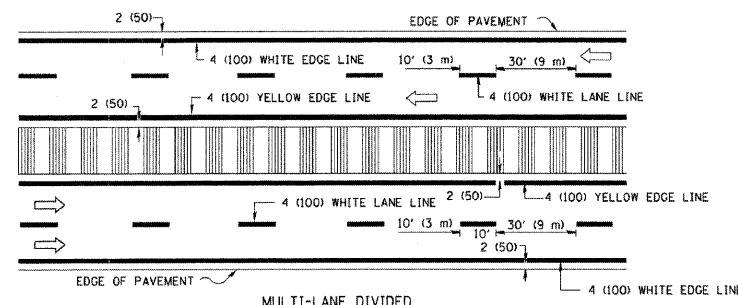
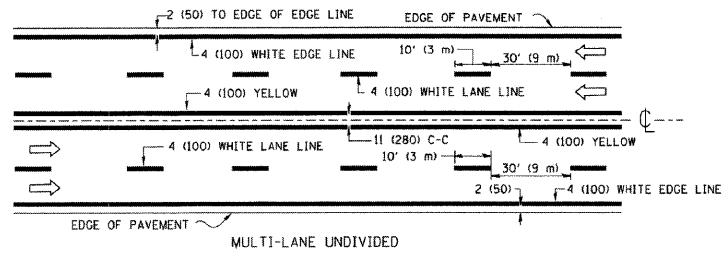


TYPICAL ISLAND MARKING

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	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) 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; 5/2 (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 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.
CORE 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

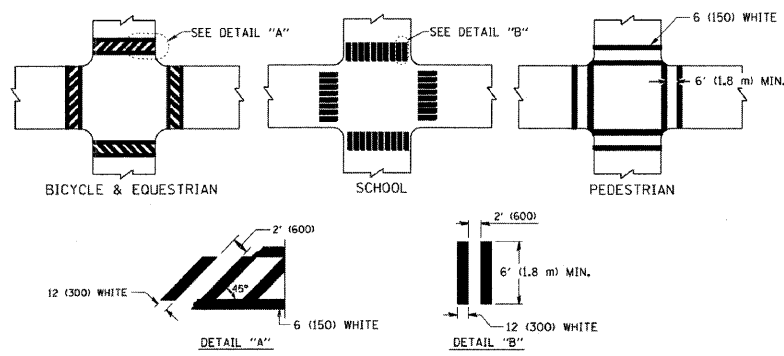
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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



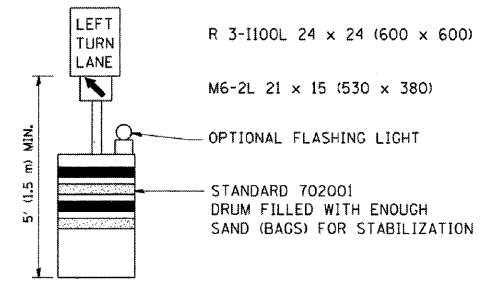
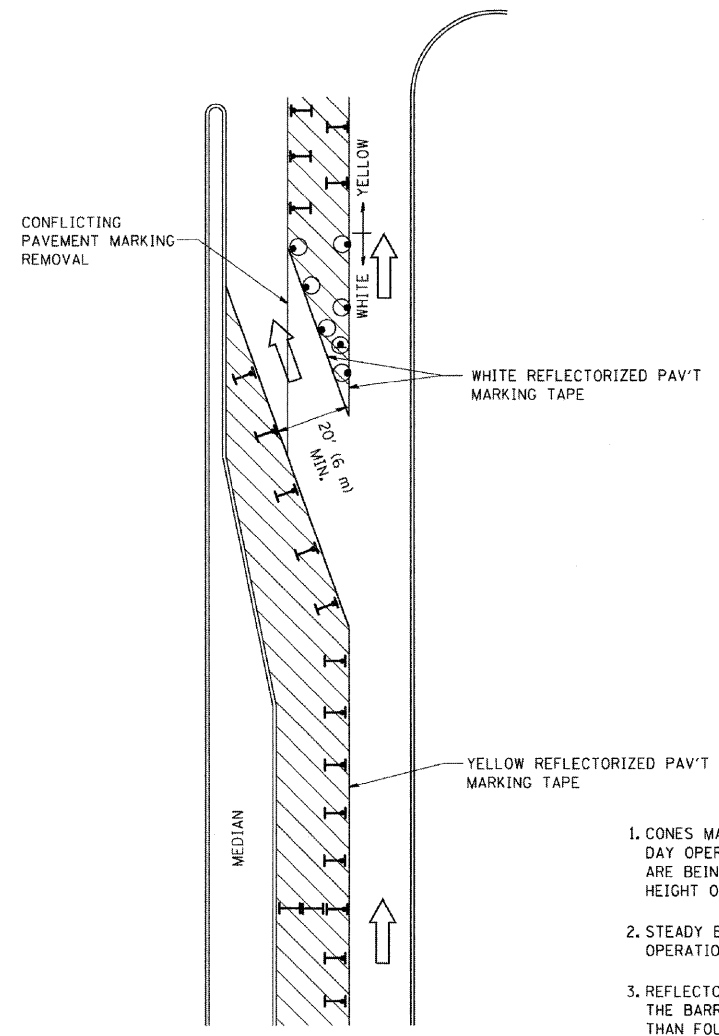
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

DISTRICT ONE TYPICAL PAVEMENT MARKINGS



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

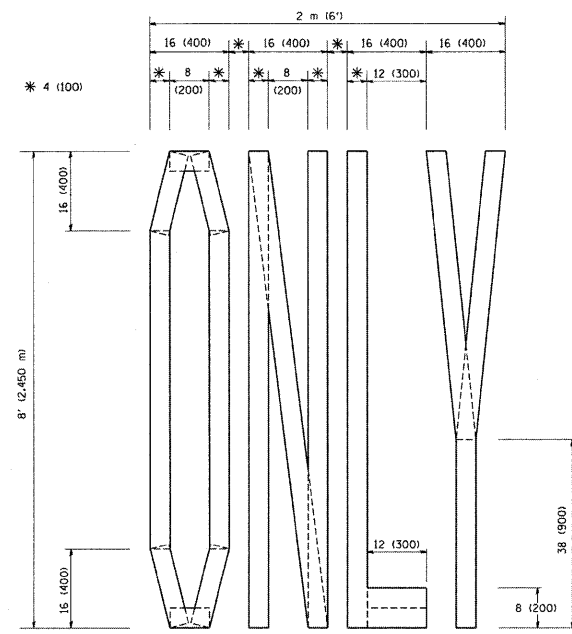
LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

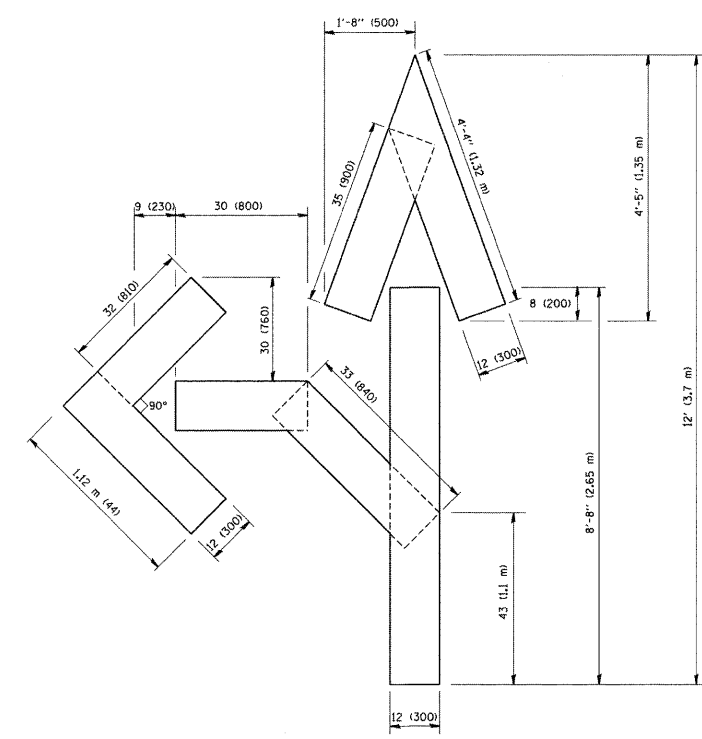
All dimensions are in inches (millimeters) unless otherwise shown.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

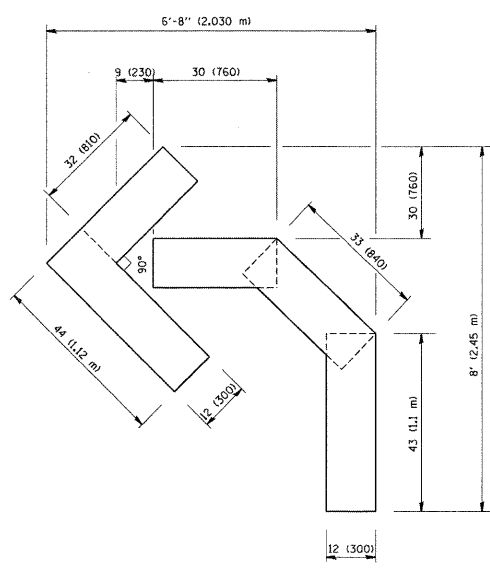
<p>CONSULTING ENGINEERS 1500 WALL ST., SUITE 222 NAPERVILLE, ILLINOIS 60563 PH (630) 577-9100</p>	USER NAME = #USER#	DESIGNED - MJY	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DISTRICT ONE DETAIL SHEETS W HOFF ROAD</p>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - MJY	REVISED -		SCALE: NONE	SHEET NO. 16 OF 18 SHEETS	STA. 43+00 TO STA. 173+00	297	1-G-RS-1	WILL	18
PLOT DATE = #DATE#	DATE - 04/15/2009	REVISED -					<p align="center">D-91-550-09</p>		<p align="center">CONTRACT NO. 60G94</p>		
							<p align="center">FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</p>				



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.

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

LONCO, INC.
 CONSULTING ENGINEERS
 1560 WALL ST., SUITE 222
 NAPERVILLE, ILLINOIS 60563 PH (630) 577-9100

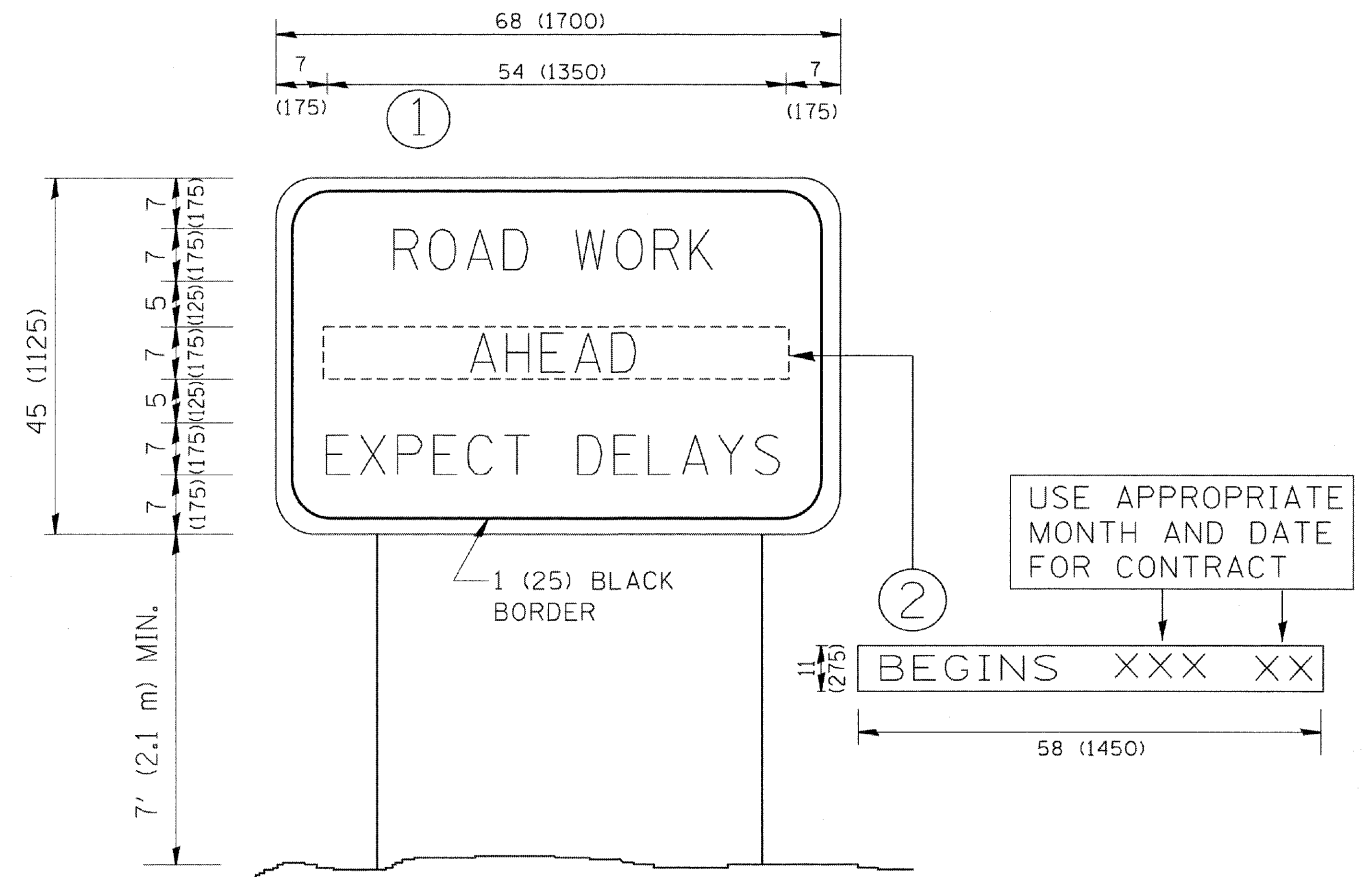
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PLOT SCALE = \$SCALE\$	CHECKED - MJY	REVISED -
PLOT DATE = \$DATE\$	DATE - 04/15/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE DETAIL SHEETS
 W HOFF ROAD**

SCALE: NONE SHEET NO. 17 OF 18 SHEETS STA. 43+00 TO STA. 173+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	17
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

ARTERIAL ROAD INFORMATION SIGN

USER NAME = \$USER#	DESIGNED - MJY	REVISIONS
	DRAWN - ST	REVISED -
PLOT SCALE = \$SCALE#	CHECKED - MJY	REVISED -
PLOT DATE = \$DATE#	DATE - 04/15/2009	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	1-G-RS-1	WILL	18	18
D-91-550-09		CONTRACT NO. 60G94		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				