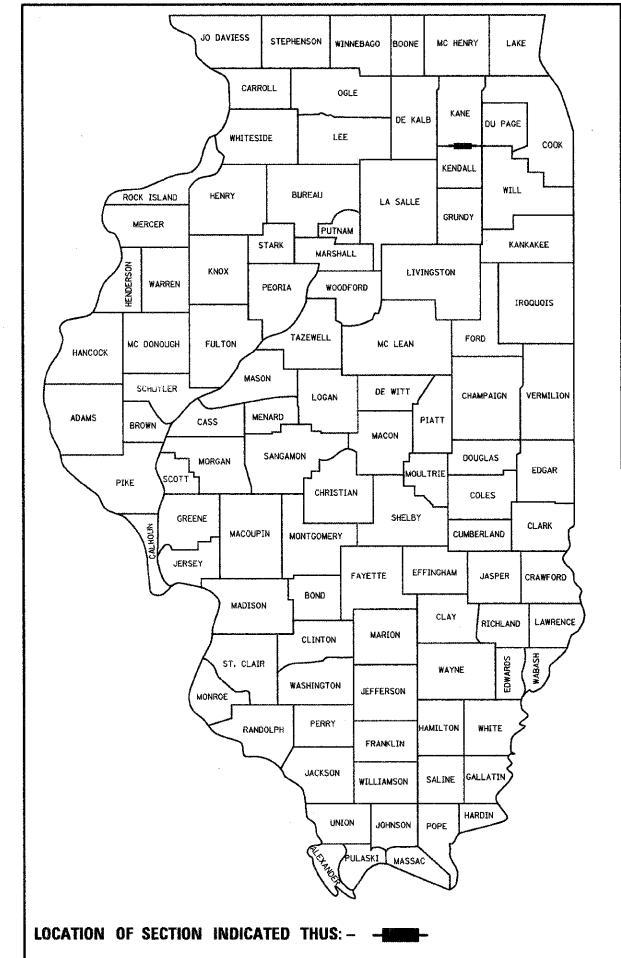


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE	29	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60F27		

* 29+4=33

D-91-058-09



LOCATION OF SECTION INDICATED THIS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. 349 / US 30
SECTION: 10 RS-6
IL 47 TO ORCHARD ROAD
RESURFACING (3P)
PROJECT: *ESP-0349(014)*
KANE AND KENDALL COUNTIES
C-91-058-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

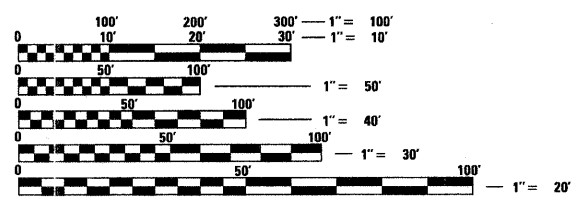
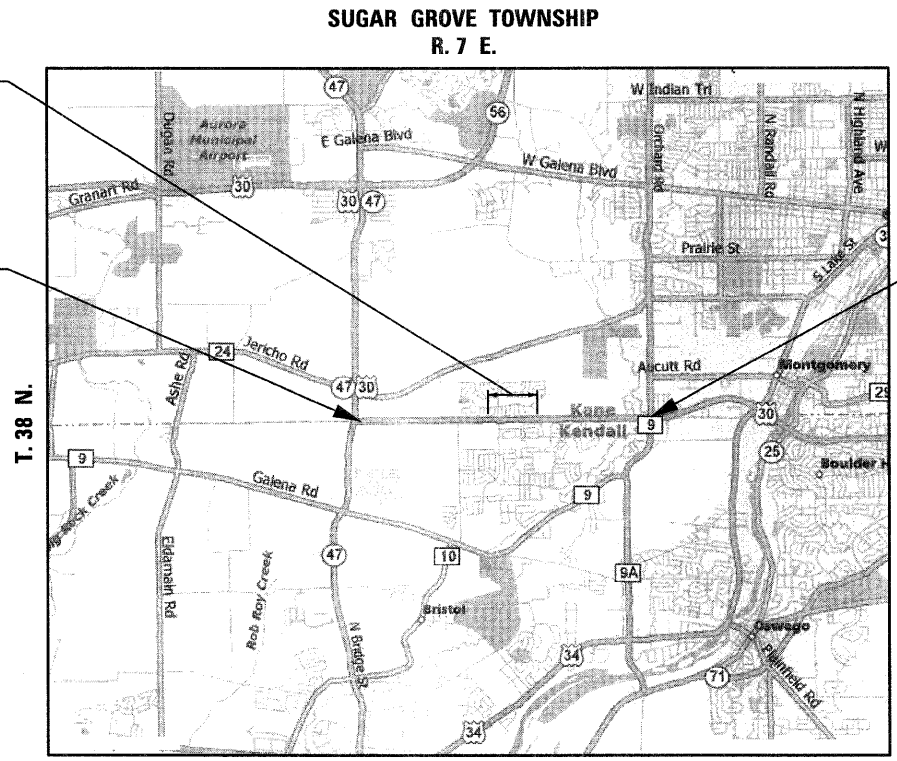
DESIGN DESIGNATION:
SPEED LIMIT : 55 M.P.H.
2007 ADT = 17,600

PROJECT IS LOCATED IN THE
VILLAGE OF MONTGOMERY

OMISSION:
STA. 94 + 00 TO
STA. 124 + 76

PROJECT BEGINS
STA. 10 + 29

PROJECT ENDS
STA. 187 + 86



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 LOCATING INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

GROSS LENGTH OF PROJECT = 17,757 FEET = 3.363 MILES
NET LENGTH OF PROJECT = 14,681 FEET = 2.781 MILES

DISTRICT ONE - DESIGN
PLAN PREP ENGINEER: KEN ENG (847) 705-4247

CONTRACT NO. 60F27

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 29, 2009
Dina M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER
March 27, 2009
Charles J. Ingemoll ENGINEER OF DESIGN AND ENVIRONMENT
March 27, 2009
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



Birinder S. Sachdeva
BIRINDER S. SACHDEVA, P.E.
EXPIRES: 11-30-2009

January 28, 2009
DATE

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

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

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5 - 11	ROADWAY PLAN
12 - 18	PAVEMENT MARKING PLAN
18A - 18D	BRIDGE REPAIR DETAILS
19	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
20	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
21	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
22	BUTT JOINT AND HMA TAPER DETAILS
23	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
24	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
25	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
26	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
27	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
28	ARTERIAL ROAD INFORMATION SIGN
29	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
604001-03	FRAME AND LIDS, TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-05	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
2. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
4. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 40 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).
10. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING. SEE NOTE 18 FOR CLASS B PATCHING.
11. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
12. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
13. THE CONTRACTOR SHALL CONTACT DON CHIARUGI, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
14. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
15. MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT AND OMISSION LIMITS.
16. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
17. PAY ITEM 55039700 - STORM SEWERS TO BE CLEANED - SHALL ONLY BE UTILIZED TO CLEAN STORM SEWER PIPES BETWEEN INLETS AND CATCH BASINS.

FILE NAME = 0168F27-sht-gennote.dgn
PLOT DATE = 2/4/2009



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
US 30 (IL 47 TO ORCHARD ROAD)

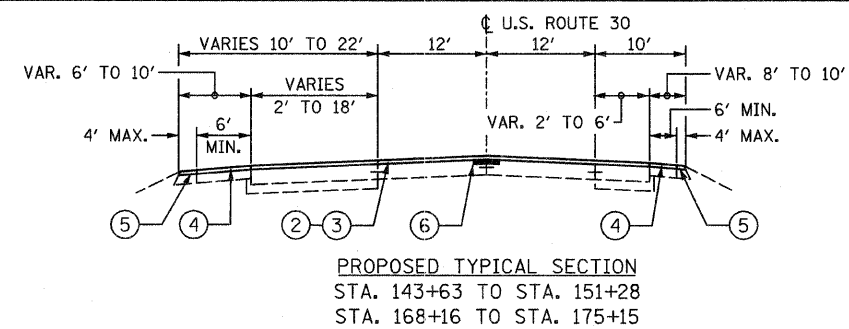
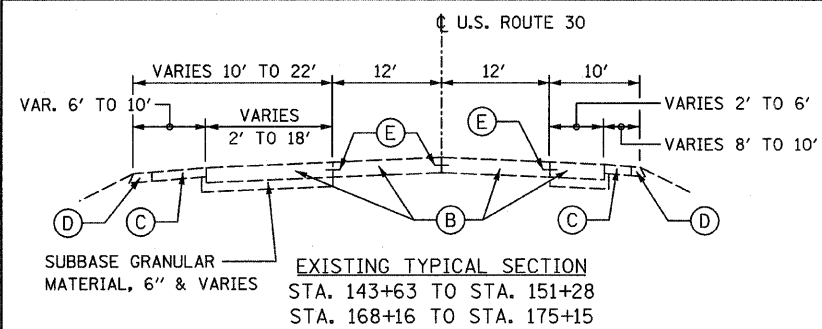
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 10+29 TO STA. 187+86

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	2
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

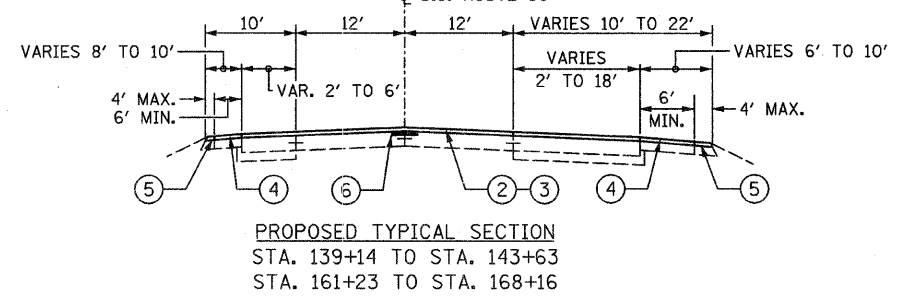
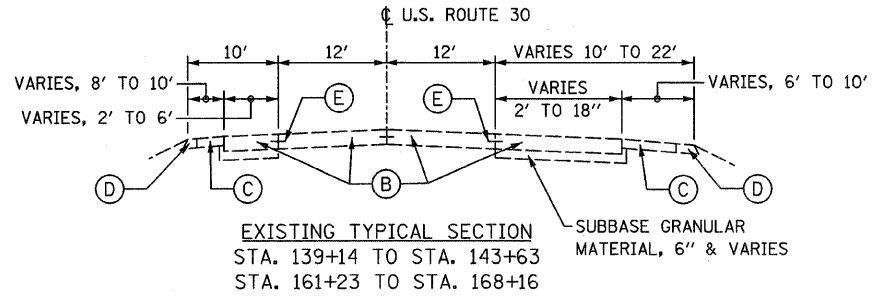
SUMMARY OF QUANTITIES			100% FED. URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		TOTAL QUANTITIES	I000	SFTY-2A	I000
				KANE COUNTY		KENDALL COUNTY	
20300100	CHANNEL EXCAVATION	CU YD	15		7		8
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	34	17		17	
40600300	AGGREGATE (PRIME COAT)	TON	191	95		96	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	10		10	
40600895	CONSTRUCTING TEST STRIP	EACH	2	1		1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	273	112		161	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	533	200		333	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	18	5	4	5	4
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,924	1,934	2	1,986	2
42001300	PROTECTIVE COAT	SQ YD	10	5		5	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1,019	306	20	673	20
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	2,290	1,145		1,145	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	40	20		20	
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	60	30		30	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1,080	540		540	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1,282	625	16	625	16
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	600	300		300	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,868	1,934		1,934	
48203007	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SQ YD	3,498	1,749		1,749	
51500100	NAME PLATES	EACH	1				1
NP 55039700	STORM SEWERS TO BE CLEANED	FOOT	10	5		5	
58700300	CONCRETE SEALER	SQ FT	7,812		3,906		3,906
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3		3	
67100100	MOBILIZATION	L SUM	1	0.5		0.5	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5		0.5	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	0.5		0.5	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5		0.5	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5		0.5	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.5		0.5	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1		0.5		0.5
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.5		0.5	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5		0.5	

SUMMARY OF QUANTITIES			100% FED. URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		TOTAL QUANTITIES	I000	SFTY-2A	I000
				KANE COUNTY		KENDALL COUNTY	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	10,000	5,000		5,000	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348	174		174	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	43,372	21,650	36	21,650	36
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,414	707		707	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	172	86		86	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	608	304		304	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	222	111		111	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,400	700		700	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348	174		174	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	43,372	21,650	36	21,650	36
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,414	707		707	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	172	86		86	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	608	304		304	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	222	111		111	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	403	201		202	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	403	201		202	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	682	341		341	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	26		26	
X0323076	SILICONE JOINT SEALER, 1 3/4"	FOOT	118		59		59
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	48		24		24
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,522	1,261		1,261	
X4421000	PARTIAL DEPTH PATCHING	TON	538	269		269	
X4422030	PARTIAL DEPTH REMOVAL 3"	SQ YD	3,200	1,600		1,600	
* X8950200	REBUILD EXISTING HANDHOLE	EACH	2	1		1	
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	4		2		2
NP Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	3		1		1

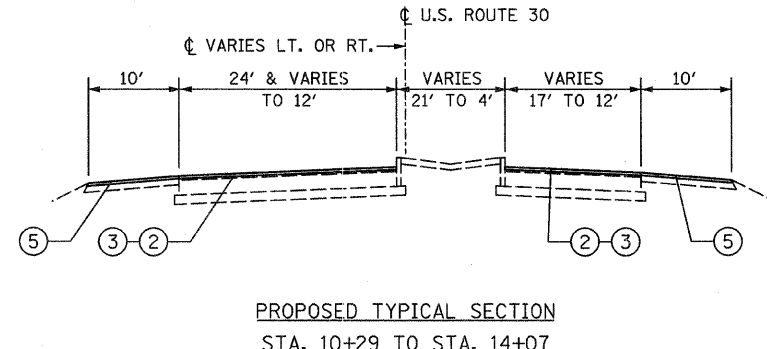
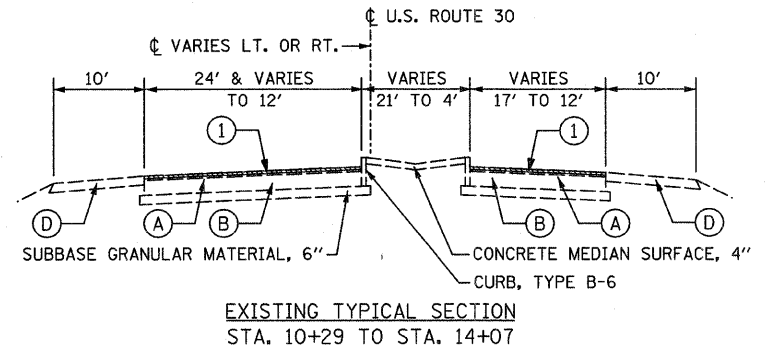
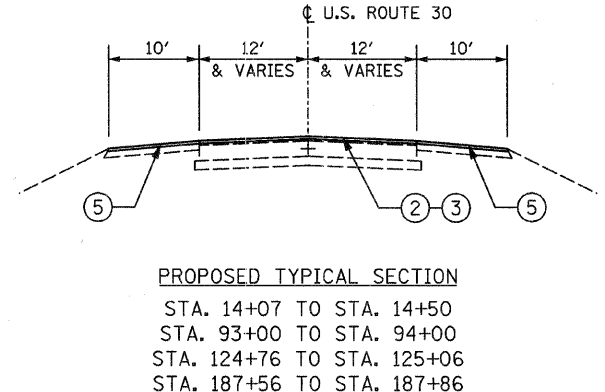
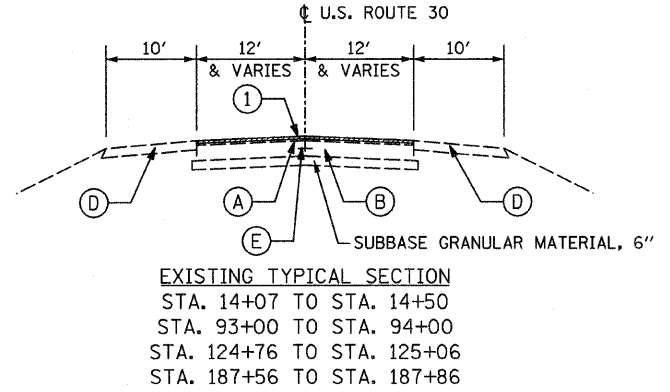
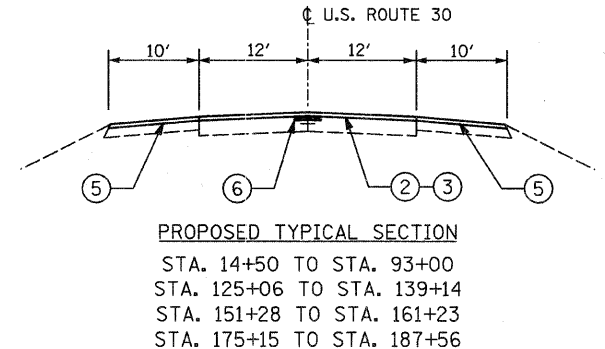
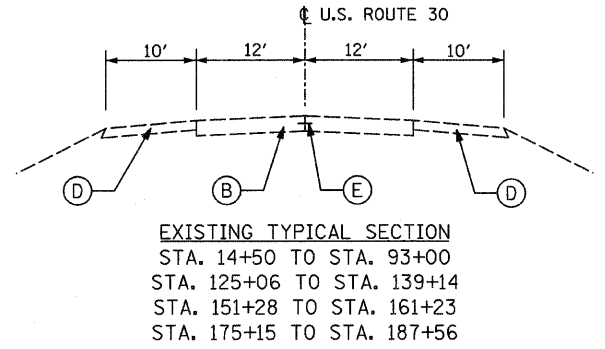
* SPECIALTY ITEM
NP = Non-participating



- EXISTING CONDITIONS:**
- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 2 1/2" & VARIES
 - (B) P.C.C. PAVEMENT, 10"
 - (C) HMA SHOULDER
 - (D) AGGREGATE SHOULDER
 - (E) TIE BARS

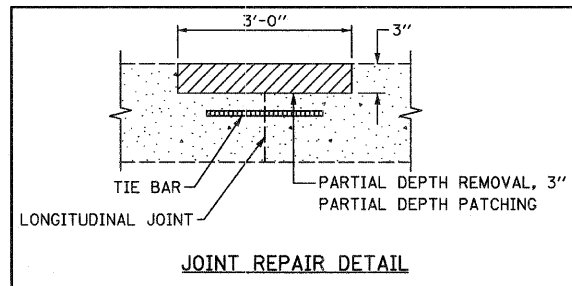
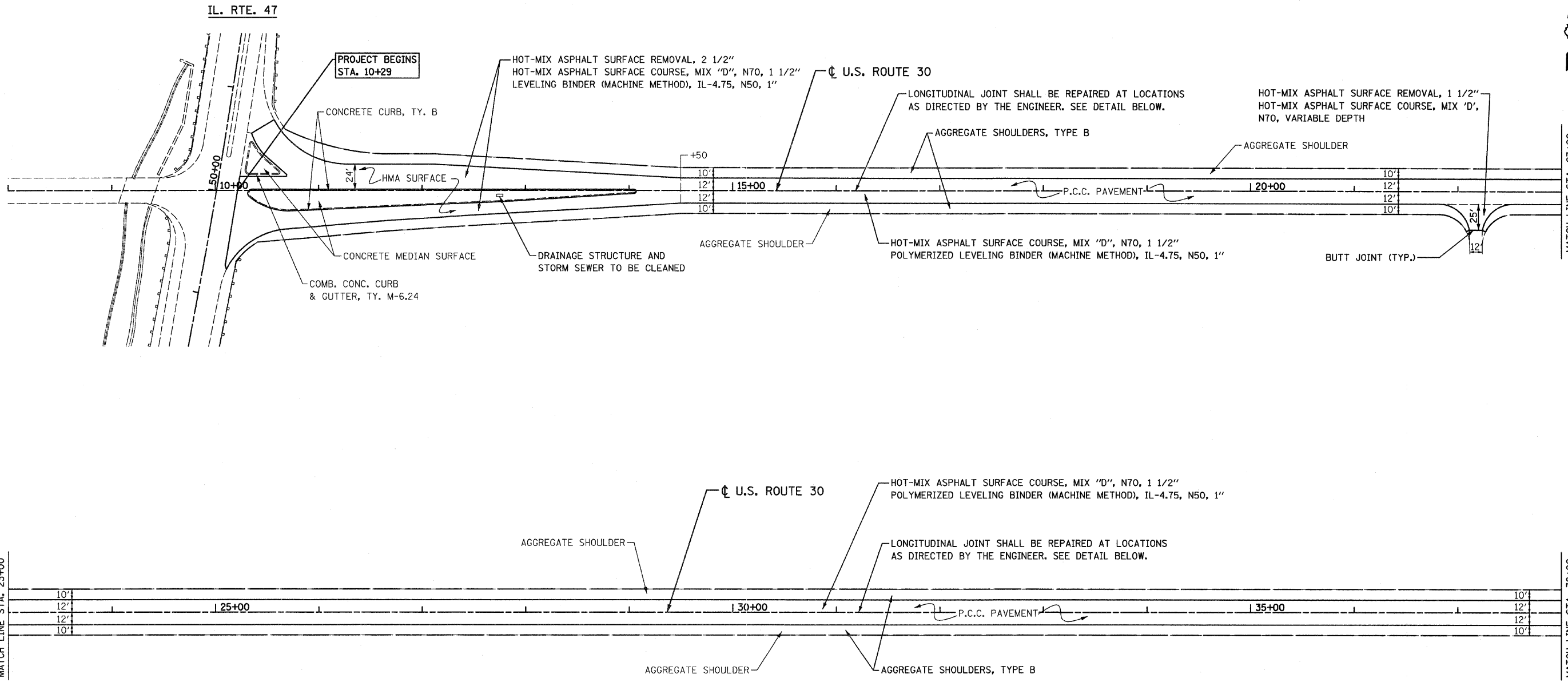


- PROPOSED IMPROVEMENTS:**
- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 - (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - (4) HOT-MIX ASPHALT SHOULDERS, 2 1/2"
 - (5) AGGREGATE SHOULDERS, TYPE B, 2 1/2"
 - (6) LONGITUDINAL JOINT REPAIR (AT LOCATIONS AS DETERMINED BY THE ENGINEER - SEE DETAIL ON PLAN SHEET NO. 5)



ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
U.S. ROUTE 30	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	PG 64-22	4% @ 70 GYR
	HOT-MIX ASPHALT SHOULDERS, 2 1/2" (HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm))	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)	* PG 64-22	4% @ 70 GYR.
	HMA REPLACEMENT OVER PATCHES AND PARTIAL DEPTH PATCHING (HMA BINDER, IL-19)	* PG 64-22	4% @ 70 GYR.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22. THE UNIT WEIGHT USED TO CALCULATE ALL THE HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.



FILE NAME = D180F27-sht-plan01.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

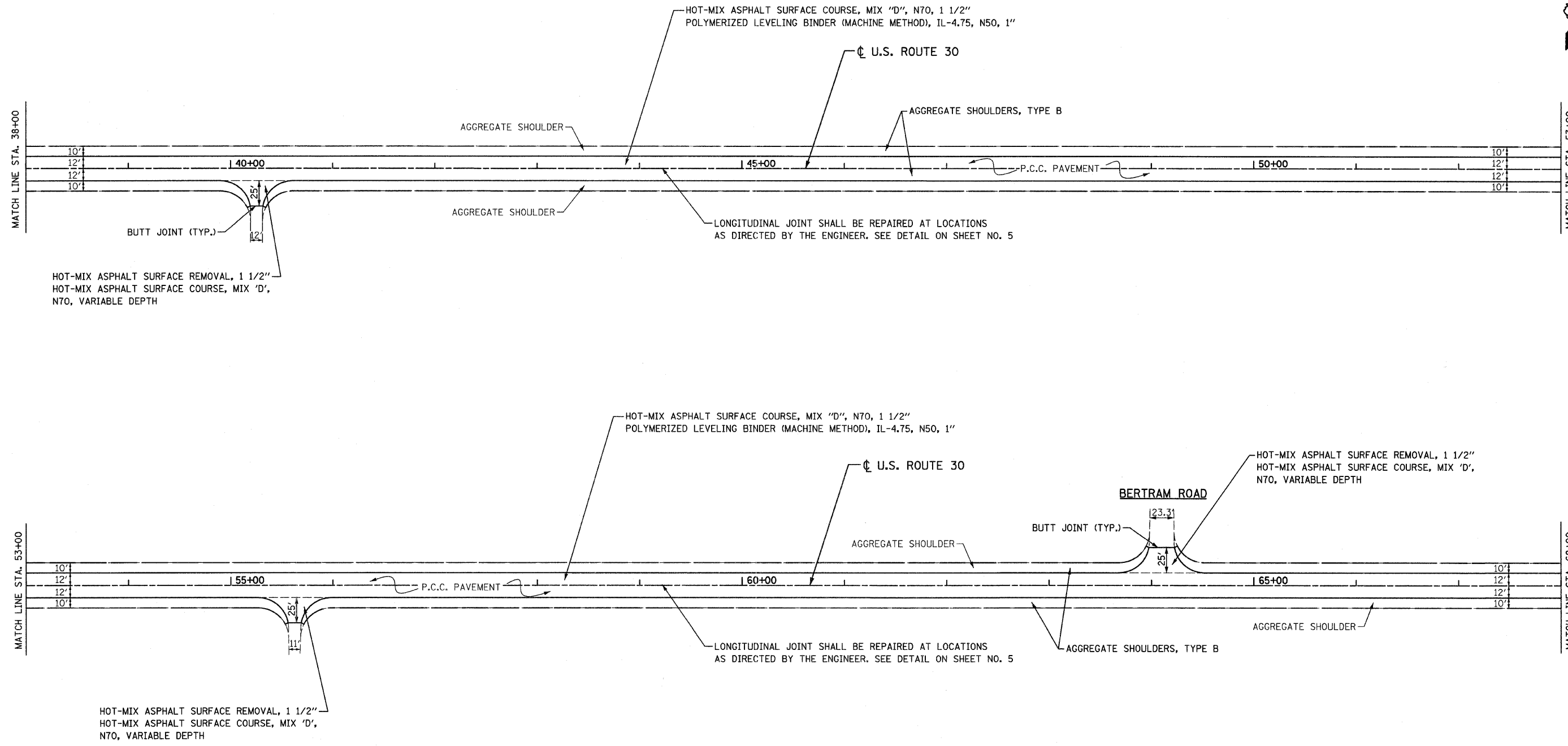
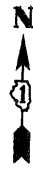
DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 US 30 (IL 47 TO ORCHARD ROAD)**

SCALE: 1" = 50' SHEET NO. 1 OF 7 SHEETS STA. 10+29 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F27	



FILE NAME = D160F27-sht-plan02.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

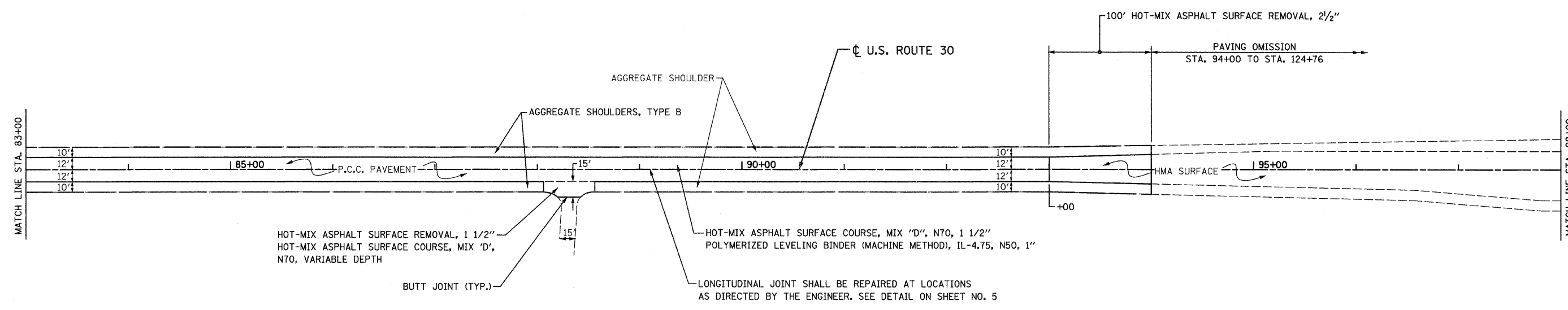
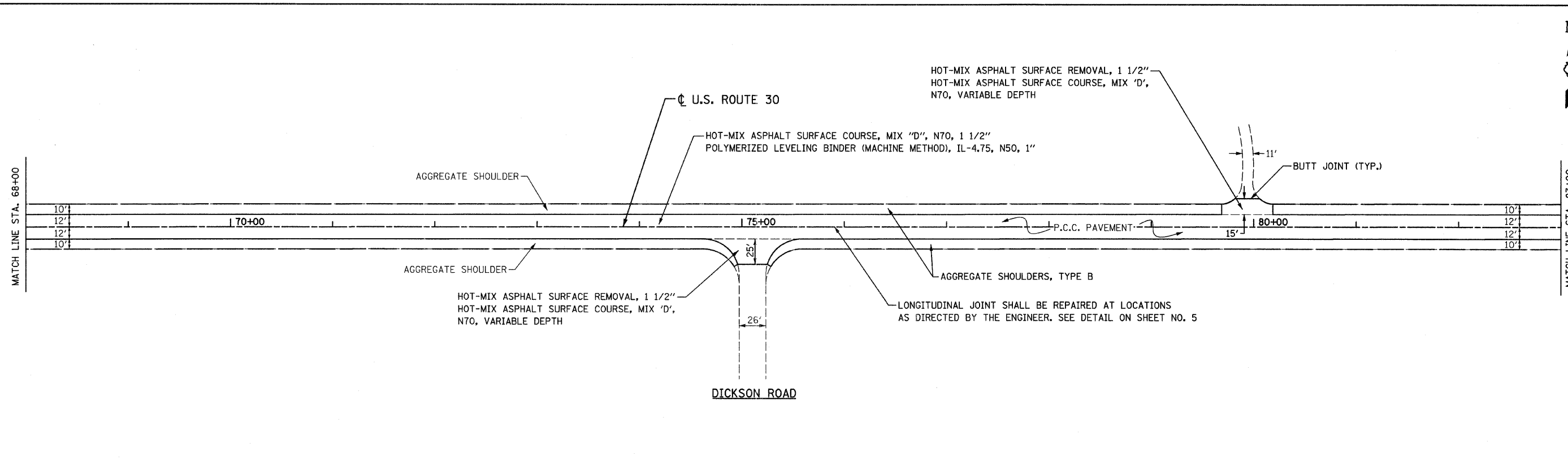
DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US 30 (IL 47 TO ORCHARD ROAD)

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 38+00 TO STA. 68+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	6
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = D160F27-aht-plan03.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

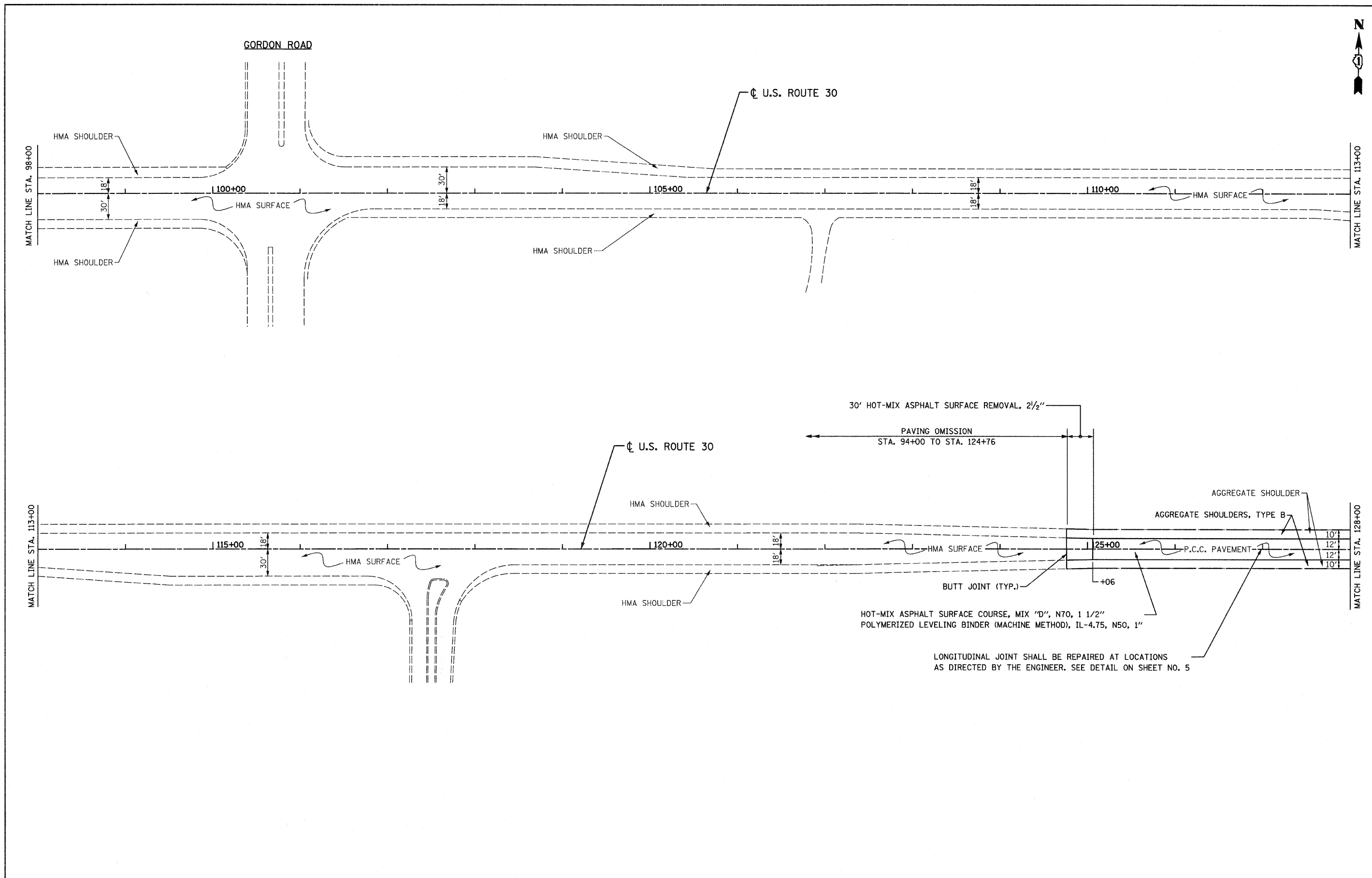
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 US 30 (IL 47 TO ORCHARD ROAD)**

SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. 68+00 TO STA. 98+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60F27



FILE NAME = D160F27-shr-plan@4.dgn
 PLOT DATE = 2/4/2009

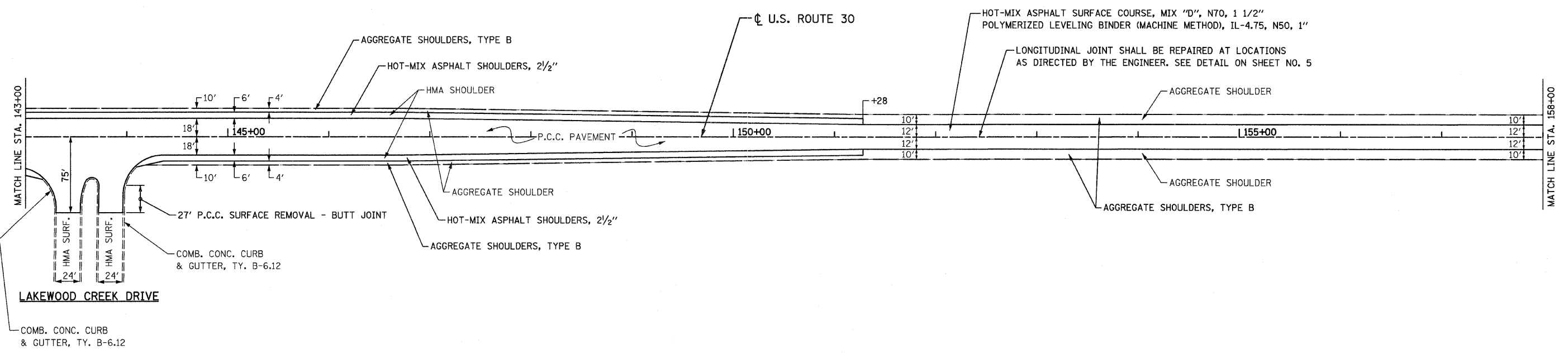
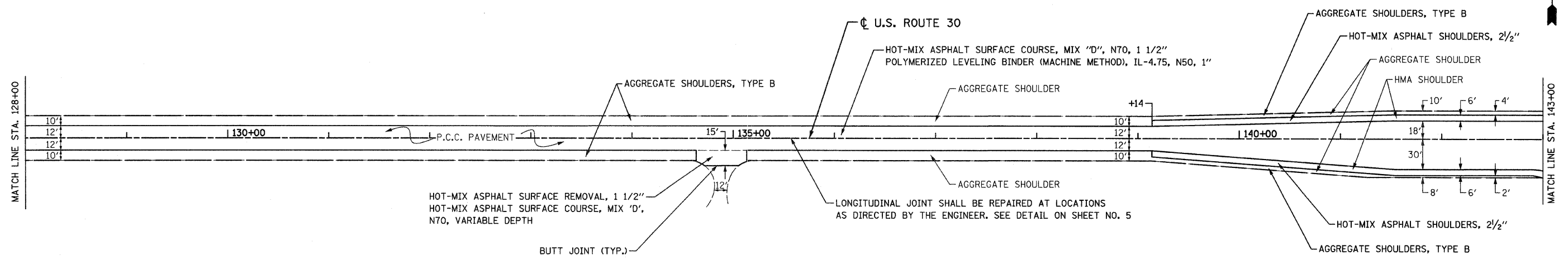
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US 30 (IL 47 TO ORCHARD ROAD)
 SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. 98+00 TO STA. 128+00

F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 8
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = D160F27-sht-plan05.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

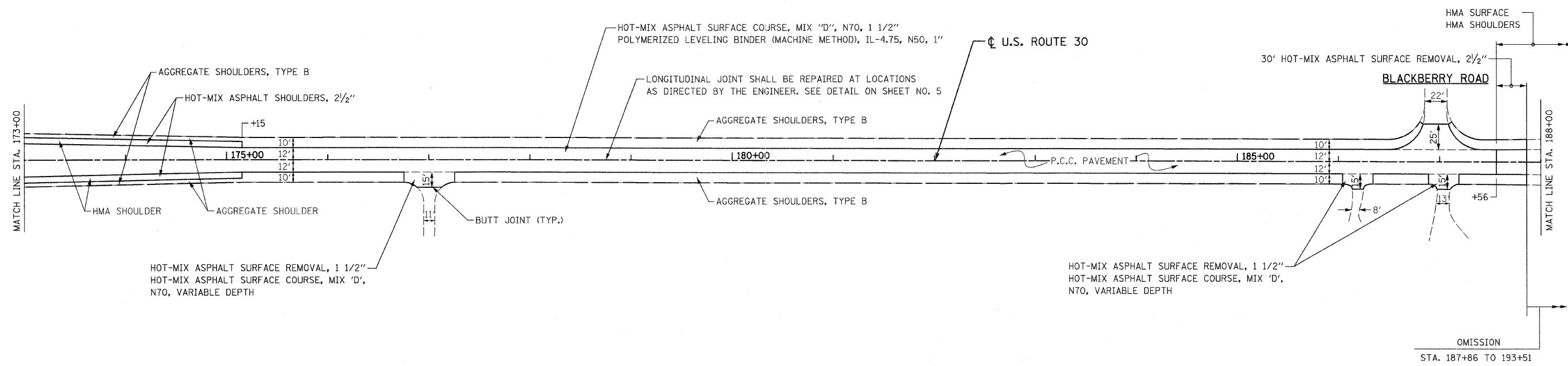
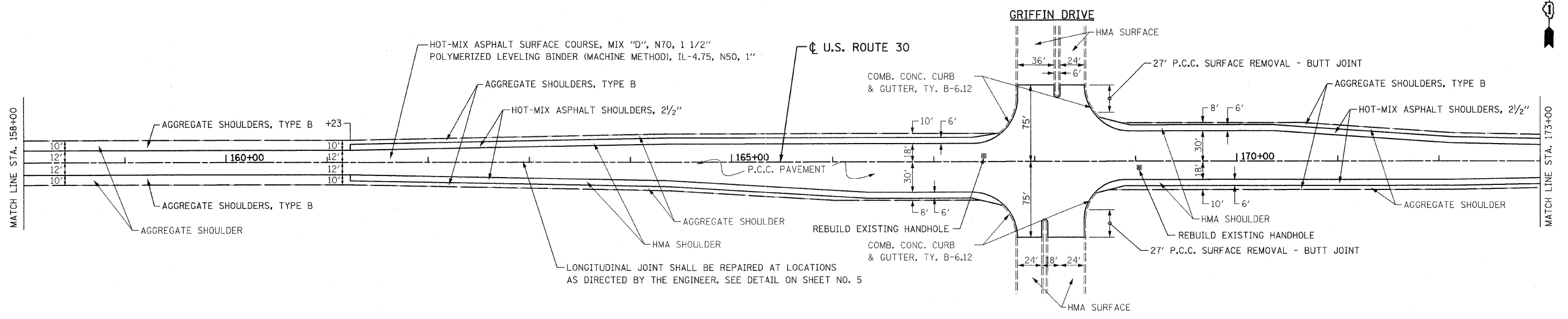
DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US 30 (IL 47 TO ORCHARD ROAD)

SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. 128+00 TO STA. 158+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	9
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = D168F27-shr-plan06.dgn
 PLOT DATE = 2/26/2009
 2-26-09

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

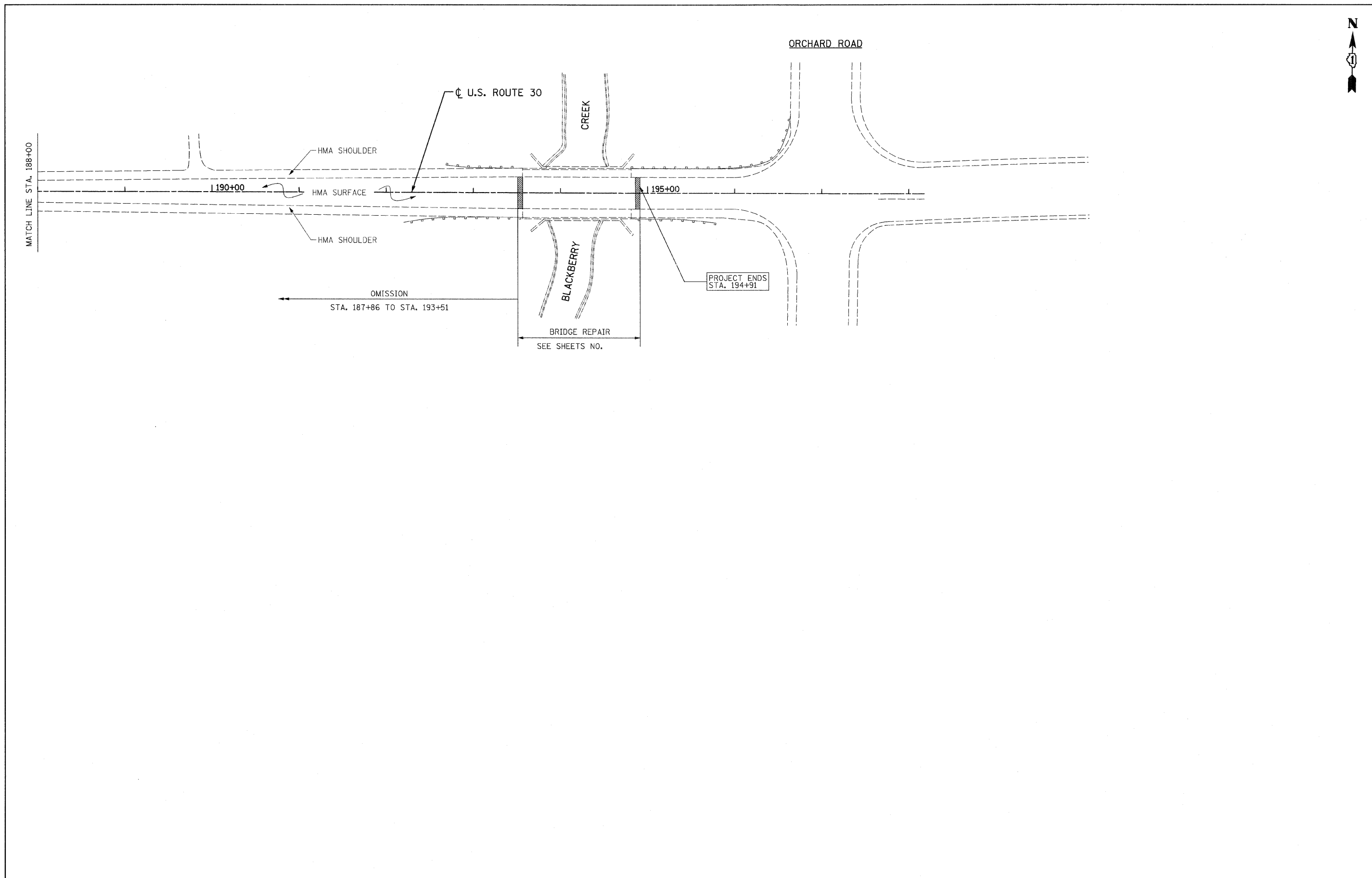
DESIGNED - G.F.L.	REVISED FEBRUARY 26, 2009
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US 30 (IL 47 TO ORCHARD ROAD)
 SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. 158+00 TO STA. 188+00

F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60F27



FILE NAME = D160F27-sht-plan07.dgn
 PLOT DATE = 2/26/2009
 2-26-09

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

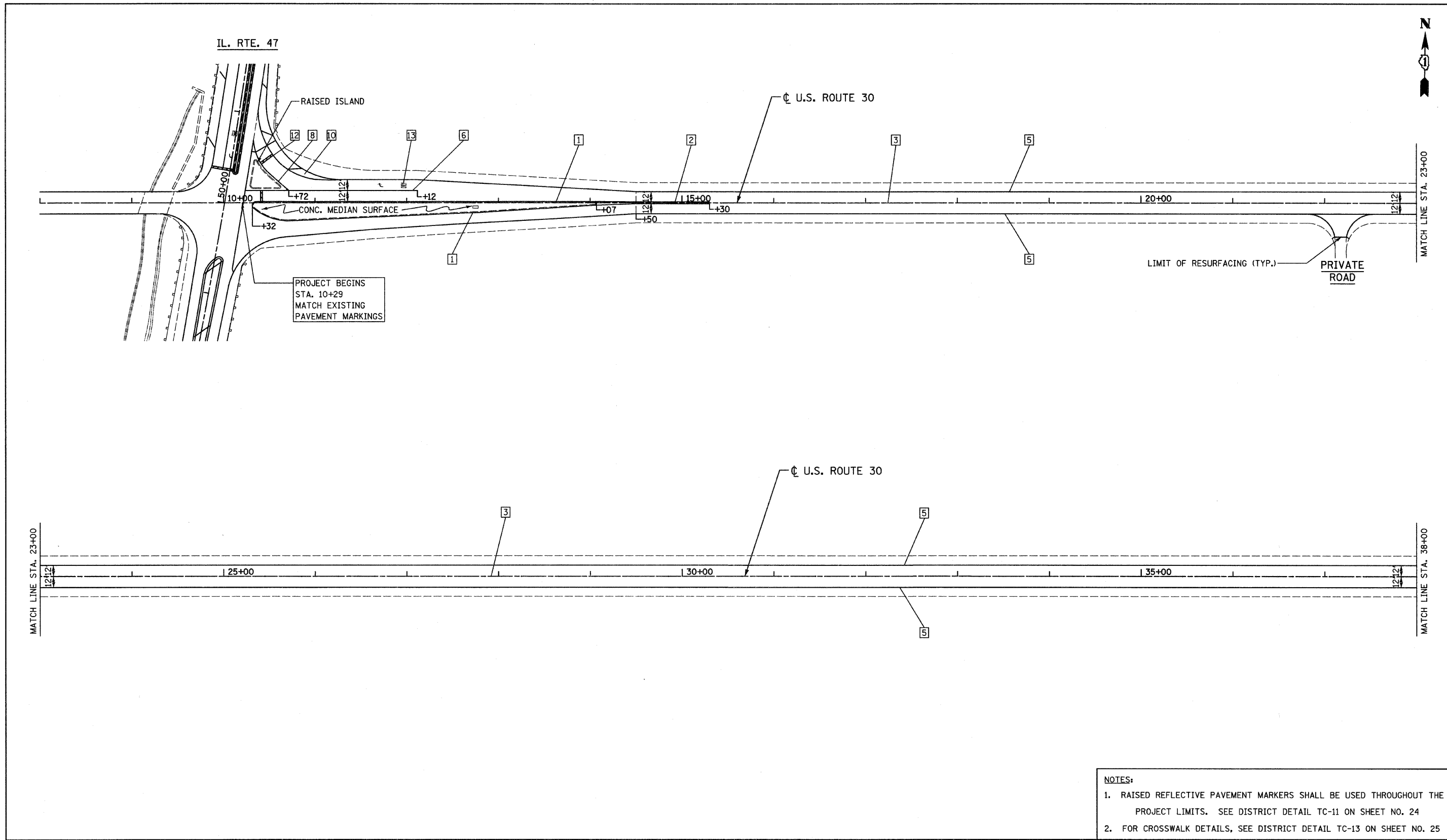
DESIGNED - G.F.L.	REVISED FEBRUARY 26, 2009
DRAWN - B.K.	REVISED -
CHECKED - D.L.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
US 30 (IL 47 TO ORCHARD ROAD)
 SCALE: 1" = 50' SHEET NO. 7 OF 7 SHEETS STA. 188+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				


CONTRACT NO. 60F27



PROJECT BEGINS
STA. 10+29
MATCH EXISTING
PAVEMENT MARKINGS

NOTES:
 1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND		DESIGNED - G.F.L.		REVISED -		PAVEMENT MARKING PLAN		F.A.P. RTE.		COUNTY		TOTAL SHEETS		SHEET NO.	
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	DRAWN - J.V.	REVISED -	5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)	349	10 RS-6	KANE/KENDALL	29	12			
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	CHECKED - M.P.	REVISED -	6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)								
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	DATE - FEBRUARY 2009	REVISED -	7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)								
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)		REVISED -	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)								
						13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)								

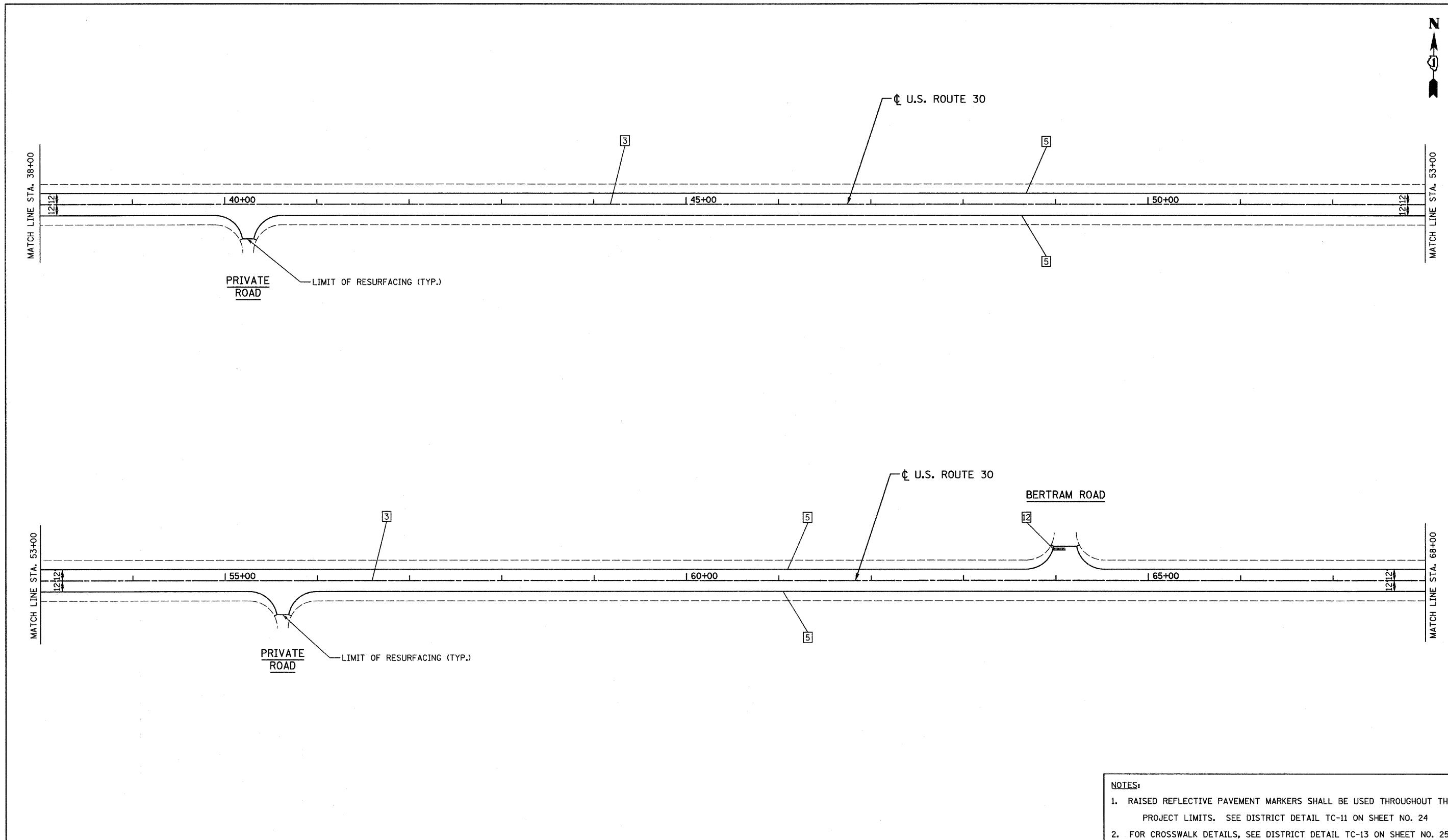
FILE NAME = D160F27-sh1-pm01.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROEG & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
 DRAWN - J.V.
 CHECKED - M.P.
 DATE - FEBRUARY 2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
US 30 (IL 47 TO ORCHARD ROAD)
 SCALE: 1" = 50' SHEET NO. 1 OF 7 SHEETS STA. 10+29 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	12
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



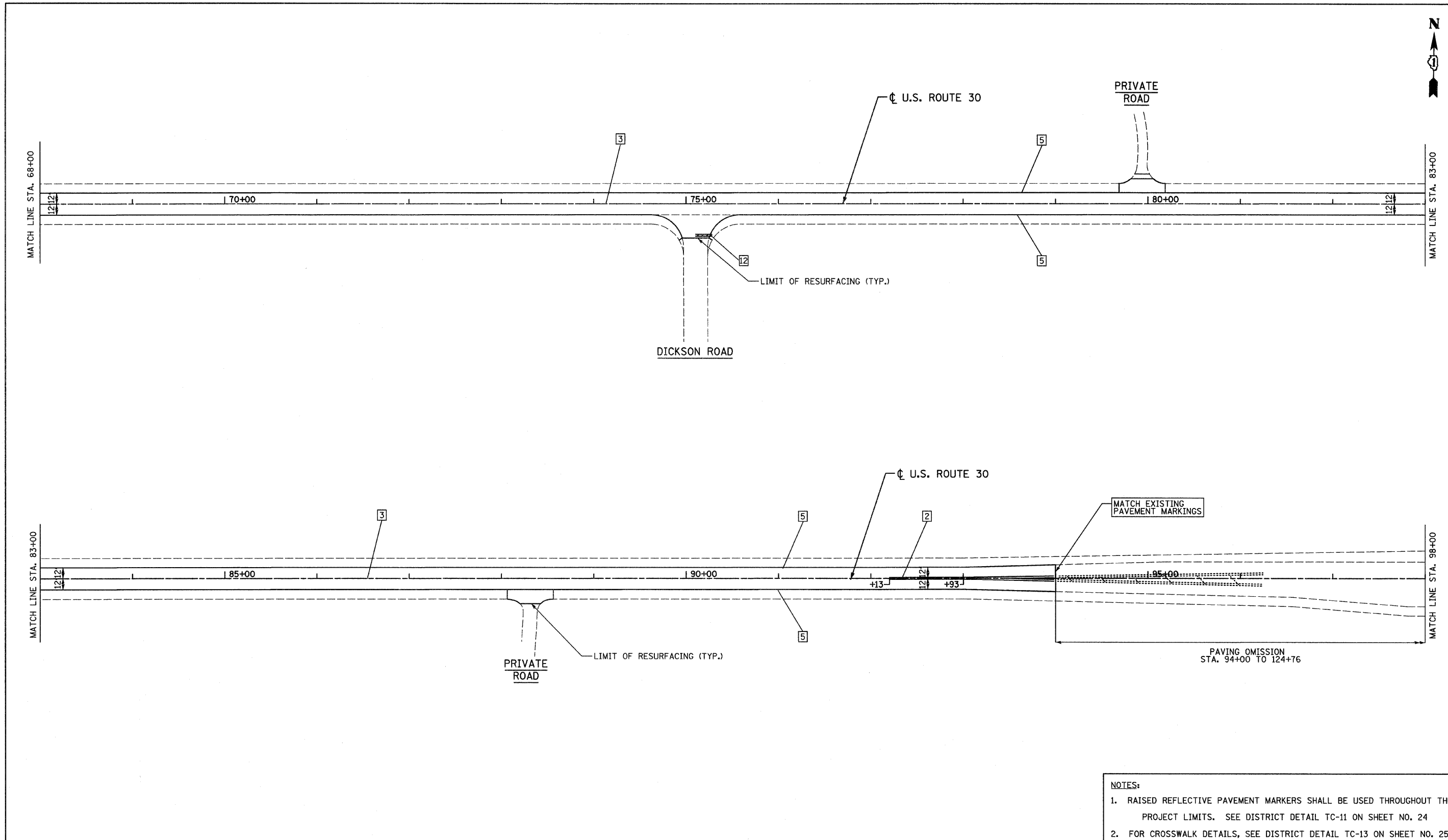
NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND							
[1] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	[5] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	[9] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)					
[2] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	[6] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	[10] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)					
[3] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	[7] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	[11] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)					
[4] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	[8] THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	[12] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)					
		[13] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)					

FILE NAME = D160F27-sh1-pm02.dgn PLOT DATE = 2/4/2009	<p>CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274</p>	DESIGNED - G.F.L. DRAWN - J.V. CHECKED - M.P. DATE - FEBRUARY 2009	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 30 (IL 47 TO ORCHARD ROAD)	F.A.P. RTE. 349 SECTION 10 RS-6 COUNTY KANE/KENDALL TOTAL SHEETS 29 SHEET NO. 13	CONTRACT NO. 60F27 FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT
----------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	--------------------------------------------------	-----------------------------------------------------------------	----------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-------------------------------------------------------------------------

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 38+00 TO STA. 68+00

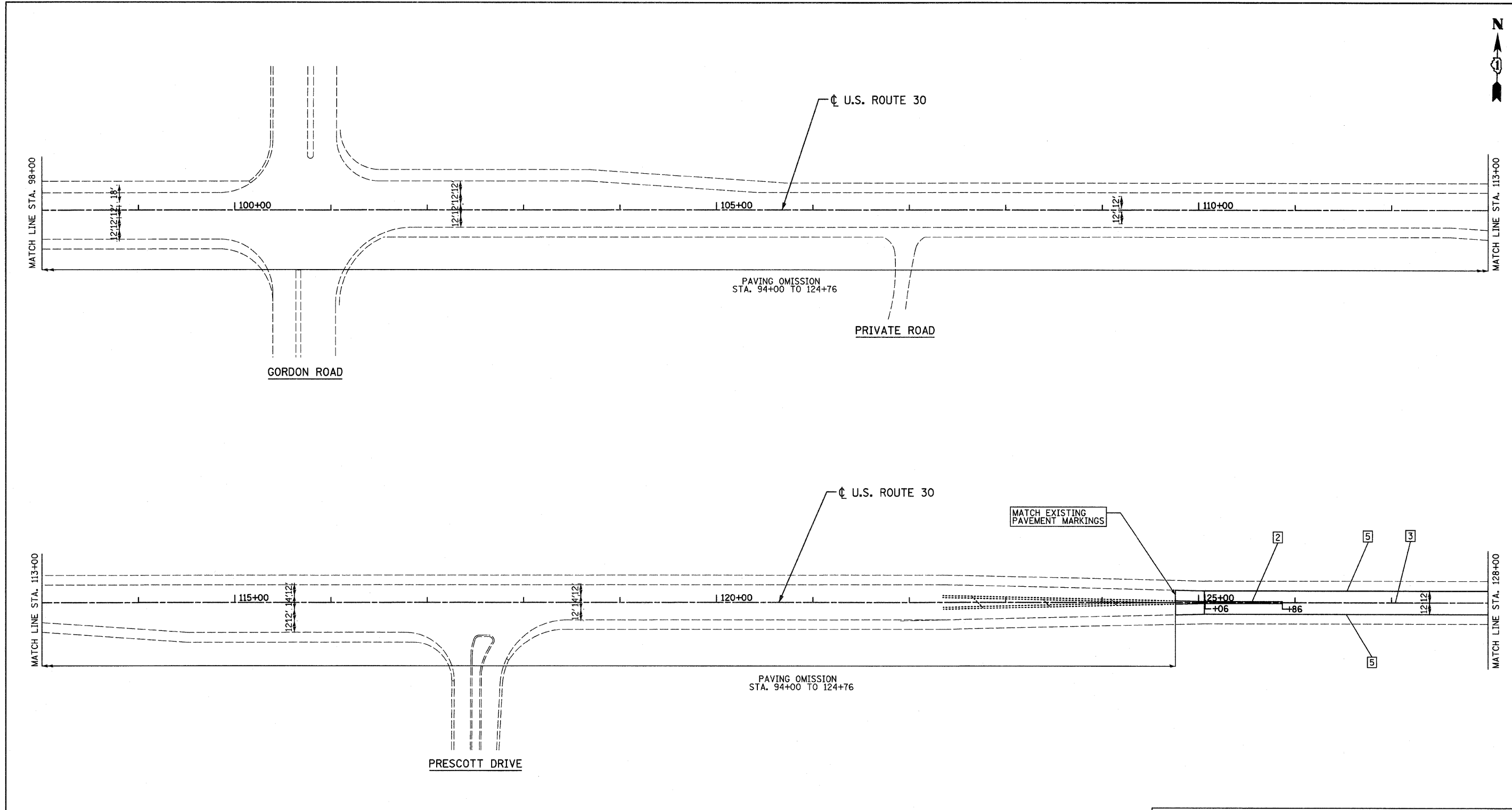
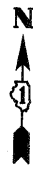


- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND							
1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)					
2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)					
3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)					
4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)					
		13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)					

FILE NAME = D168F27-sh1-pm03.dgn PLOT DATE = 2/4/2009	 CHRISTIAN-ROGGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274	DESIGNED - G.F.L. DRAWN - J.V. CHECKED - M.P. DATE - FEBRUARY 2009	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 30 (IL 47 TO ORCHARD ROAD)	F.A.P. RTE. 349 SECTION 10 RS-6 COUNTY KANE/KENDALL TOTAL SHEETS 29 SHEET NO. 14	CONTRACT NO. 60F27 <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>
----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	--------------------------------------------------	-----------------------------------------------------------------	----------------------------------------------------------------------	----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. 68+00 TO STA. 98+00

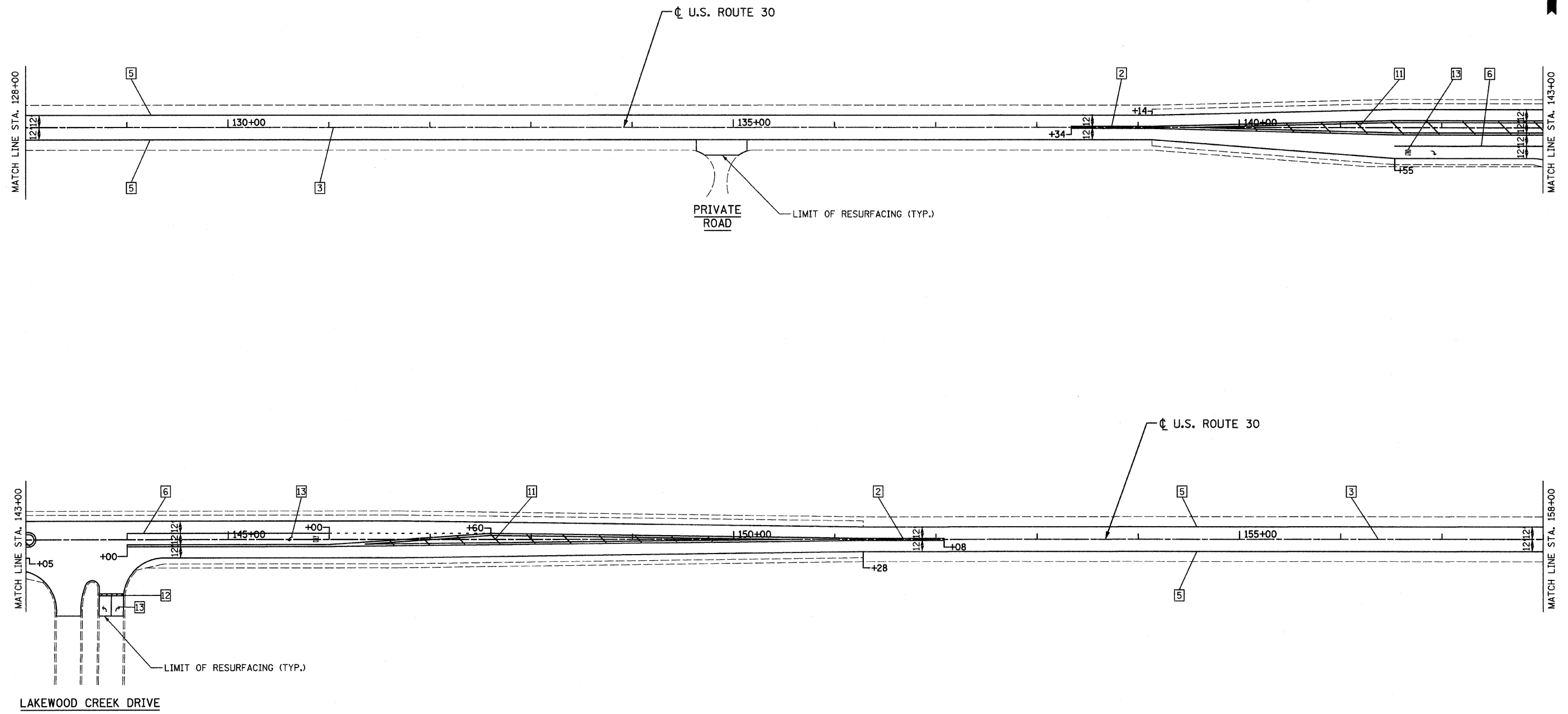


NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND							
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)	13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)		
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)		
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)		

FILE NAME = D160F27-shit-pm04.dgn PLOT DATE = 2/4/2009	 CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274	DESIGNED - G.F.L. DRAWN - J.V. CHECKED - M.P. DATE - FEBRUARY 2009	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 30 (IL 47 TO ORCHARD ROAD) SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. 98+00 TO STA. 128+00	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> </thead> <tbody> <tr> <td>349</td> <td>10 RS-6</td> <td>KANE/KENDALL</td> <td>29</td> <td>15</td> </tr> <tr> <td colspan="5" style="text-align: center;">CONTRACT NO. 60F27</td> </tr> <tr> <td colspan="5" style="text-align: center;">FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</td> </tr> </tbody> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	349	10 RS-6	KANE/KENDALL	29	15	CONTRACT NO. 60F27					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
349	10 RS-6	KANE/KENDALL	29	15																						
CONTRACT NO. 60F27																										
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT																										



- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND					
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
				13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)

FILE NAME = D168F27-shr-pm05.dgn
 PLOT DATE = 2/4/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-9274

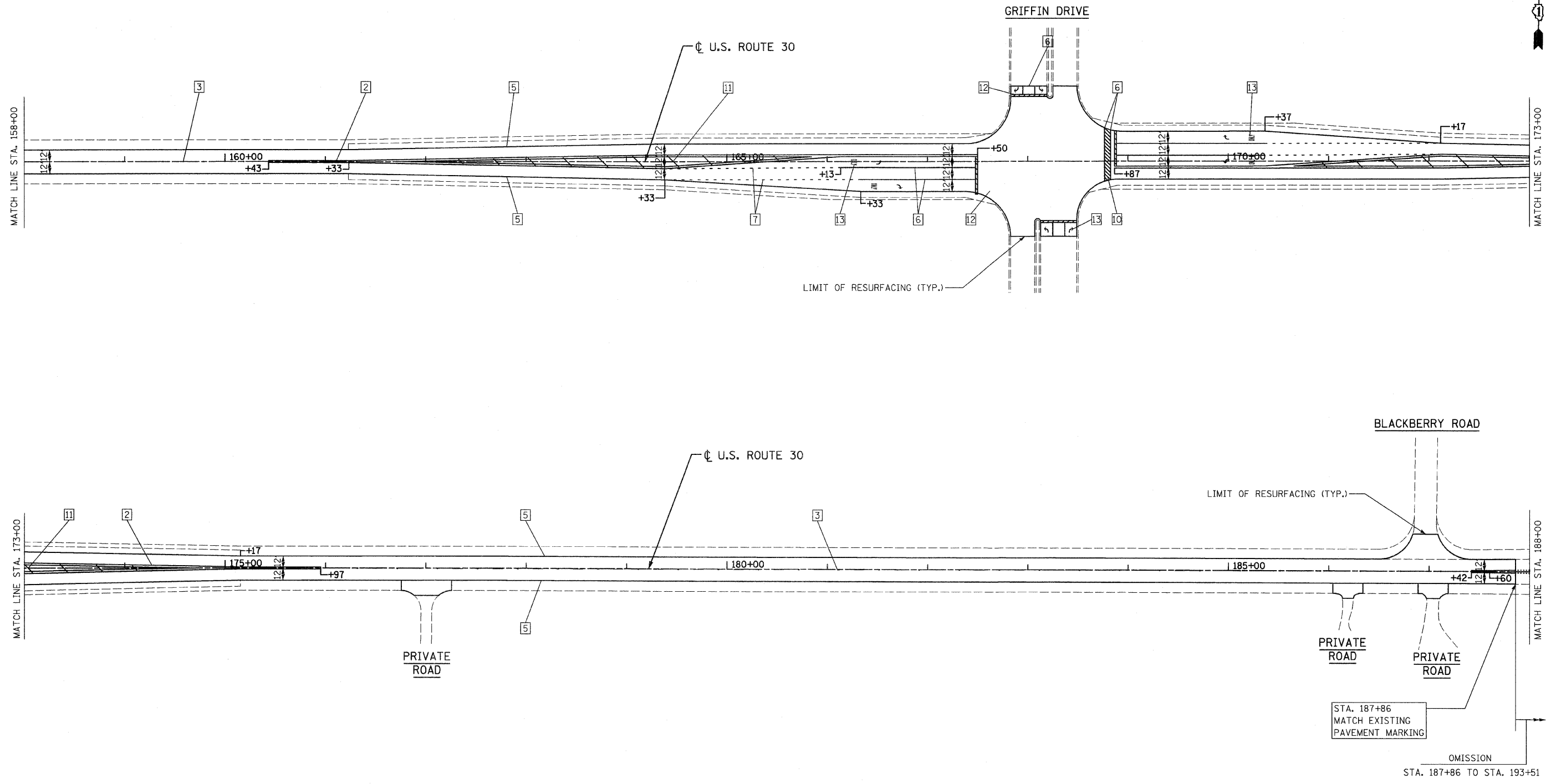
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
US 30 (IL 47 TO ORCHARD ROAD)

SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. 128+00 TO STA. 158+00

F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 16
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND	
1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
	9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
	10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)
	11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
	12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
	13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)

FILE NAME = D168F27-shr-pm06.dgn
 PLOT DATE = 2/26/2009
 2-26-09

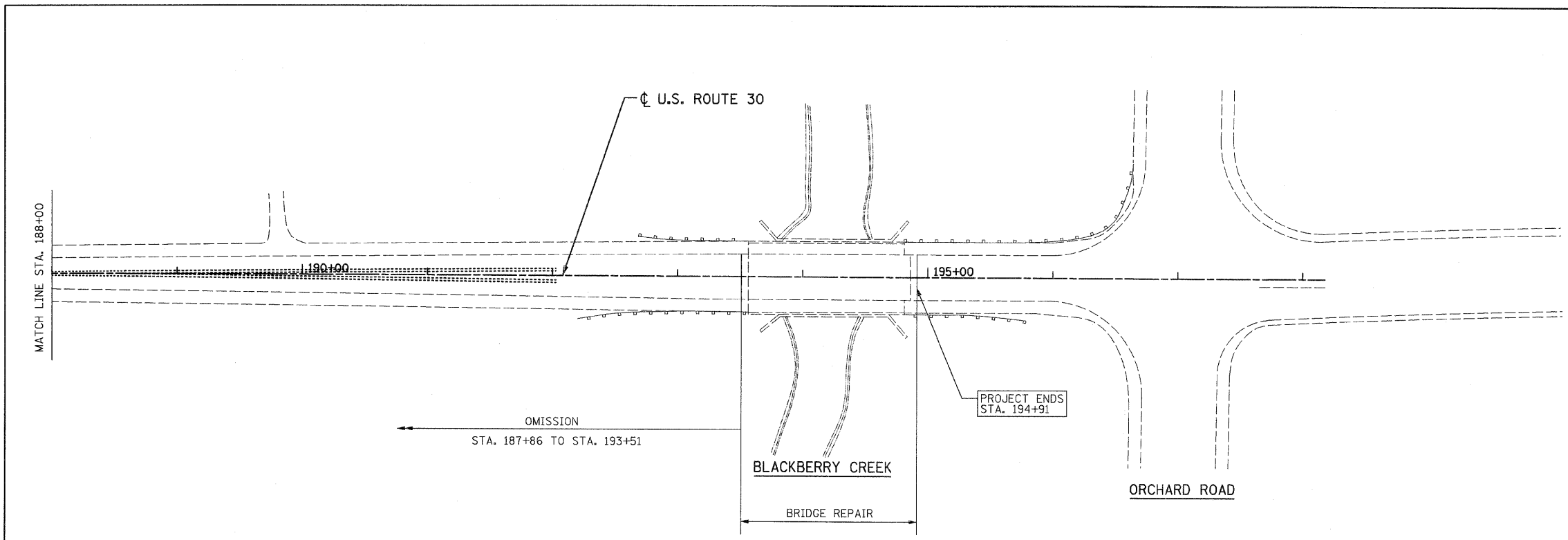
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED FEBRUARY 26, 2009
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
US 30 (IL 47 TO ORCHARD ROAD)
 SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. 158+00 TO STA. 188+00

F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 17
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 24
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 25

LEGEND	
1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)	8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
	9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
	10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)
	11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
	12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
	13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)

FILE NAME = D:\60F27-shr-pm07.dgn
 PLOT DATE = 2/26/2009
 2-26-09

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED FEBRUARY 26, 2009
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - FEBRUARY 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 US ROUTE 30 (IL 47 TO ORCHARD ROAD)**

SCALE: 1" = 50' SHEET NO. 7 OF 7 SHEETS STA. 188+00 TO STA. 198+00

F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 18
CONTRACT NO. 60F27				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

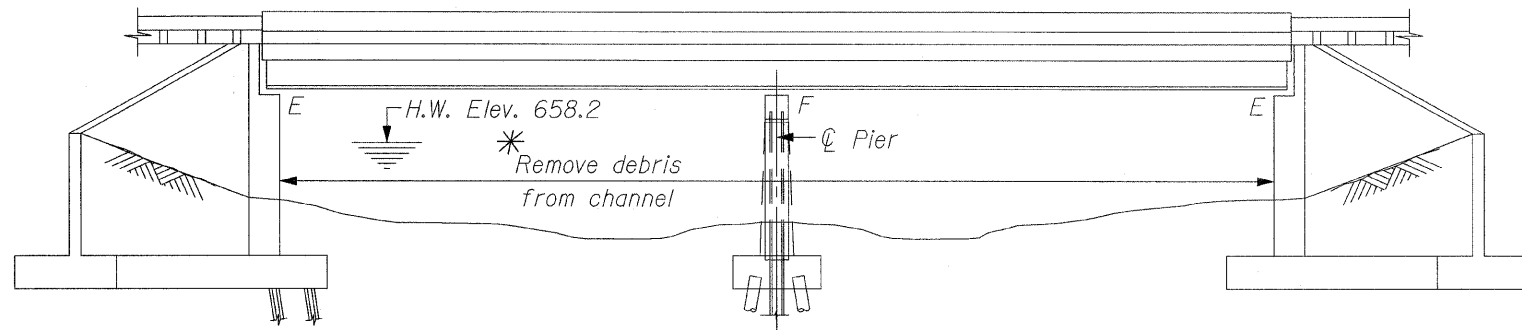
GENERAL NOTES:

Plan Dimensions and Details relative to existing plans are subject to nominal Construction variations. The Contractor shall field verify existing dimensions and details affecting new Construction and make necessary approved adjustments prior to Construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the Quantity actually furnished at the Unit Price Bid for the Work.

These Plans have been prepared from notes received from I.D.O.T. Field Maintenance Engineers.

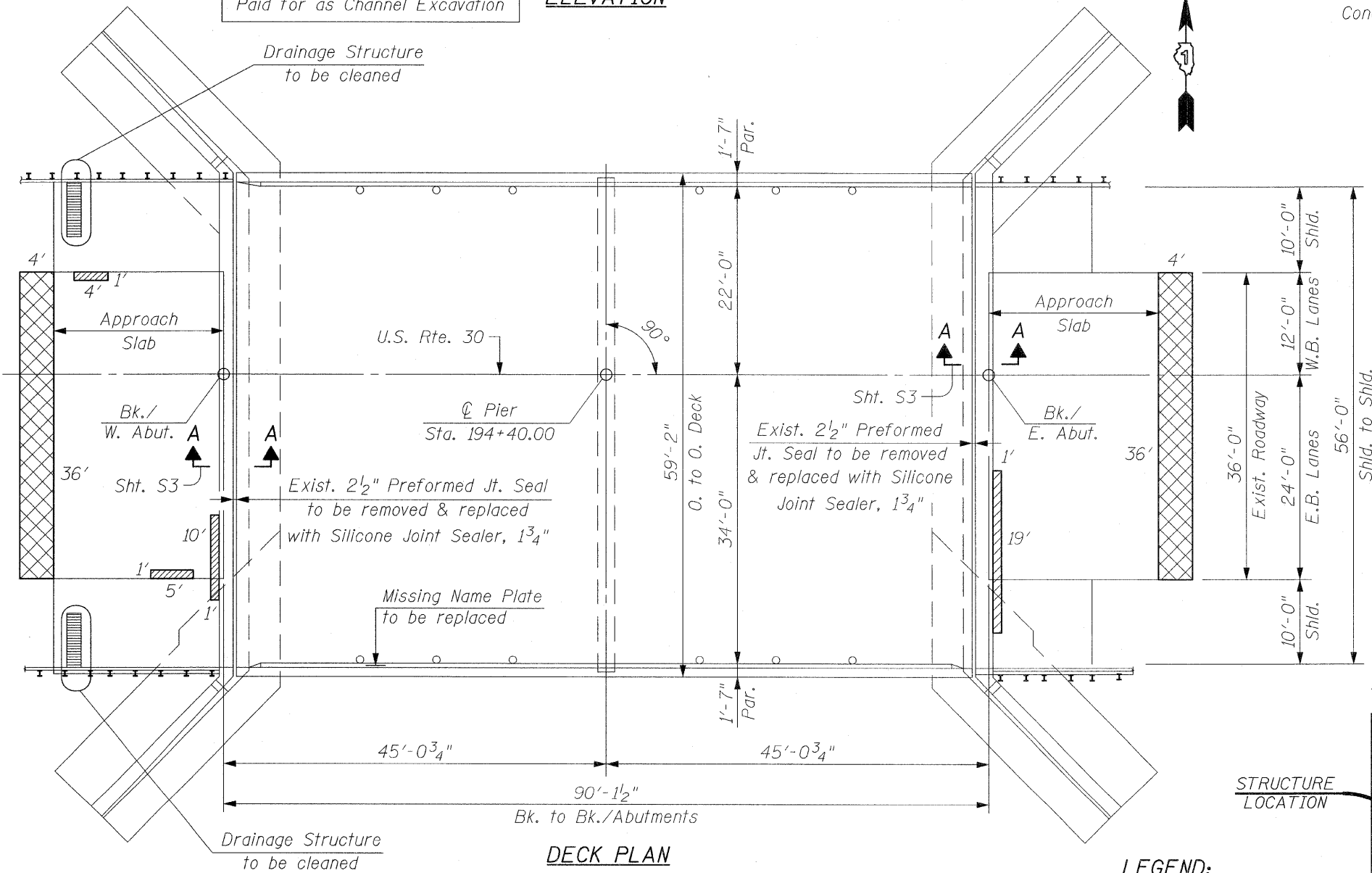
All Asphalt Primer and other debris should be removed from the deck prior to sealing.

Concrete Sealer shall be applied to the Deck Slab, Parapets & Approach Slabs.



* Paid for as Channel Excavation

ELEVATION



DECK PLAN

TOTAL BILL OF MATERIAL

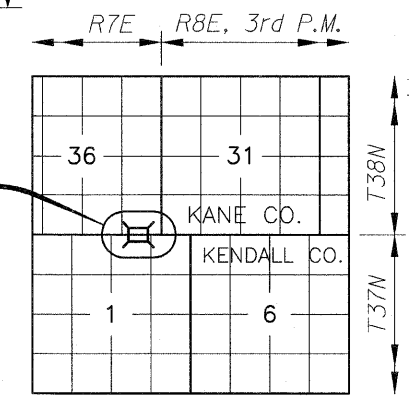
ITEM	UNIT	QUANTITY
Channel Excavation	Cu. Yd.	15
Concrete Sealer	Sq. Ft.	7,812
Class D Patches, Type III, 10 Inch	Sq. Yd.	32
Name Plates	Each	1
Silicone Joint Sealer, 1 ³ / ₄ "	Foot	118
Approach Slab Repair (Partial Depth)	Sq. Yd.	4.2
Drainage Structures to be Cleaned	Each	2
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	48

STATION 194+40.00
REBUILT 1991 BY
STATE OF ILLINOIS
F.A.U. RTE. 1555 SEC. 88-00027-00-PV
LOADING HS 20
STRUCTURE NO. 047-0029

NAME PLATE

See Std. 515001

(Taken from existing bridge plans dated 1991)



LOCATION SKETCH

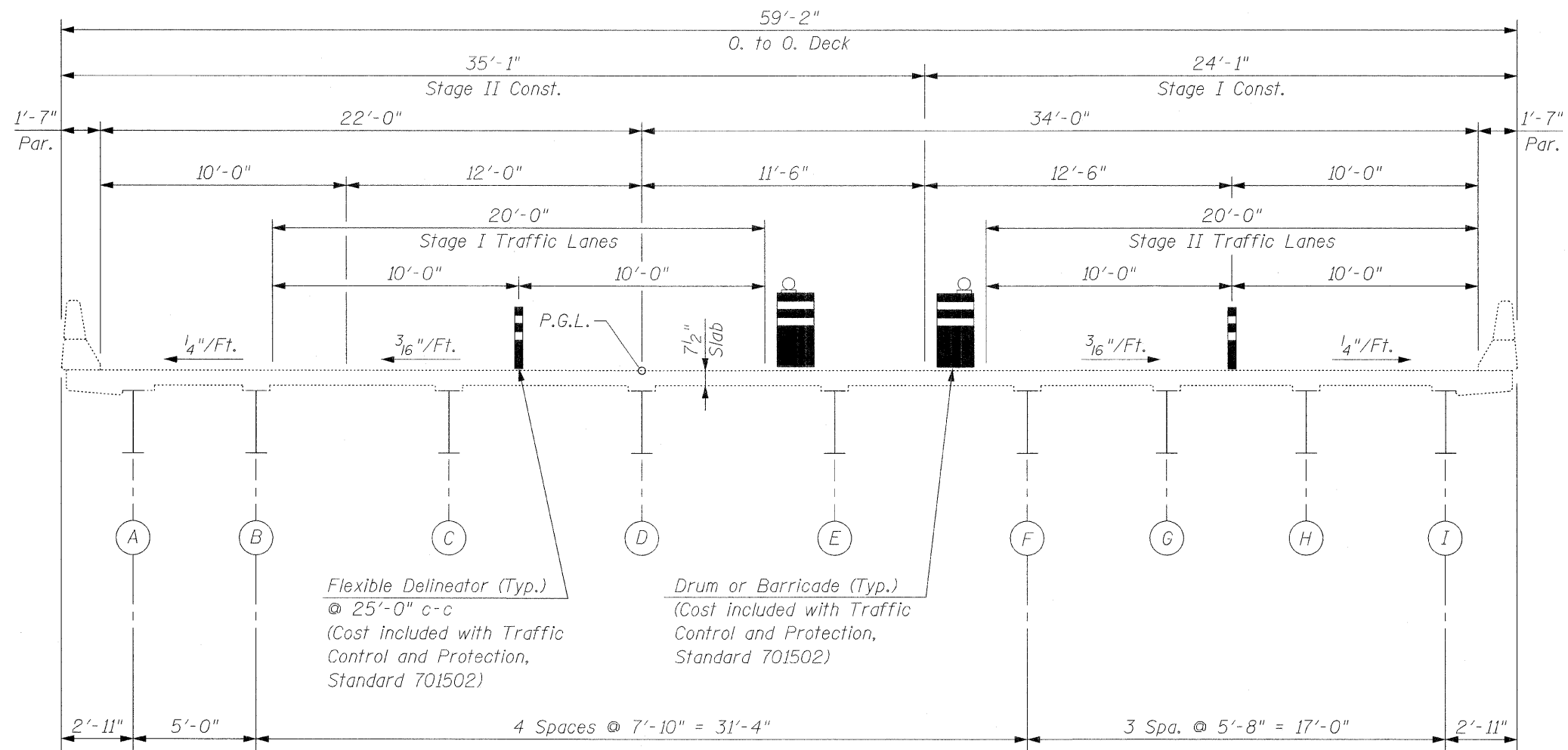
LEGEND:

- Class D Patches, Type III, 10 Inch
- Approach Slab Repair (Partial Depth)

INSPECTION WAS CONDUCTED ON FEBRUARY 22, 2009
BY I.D.O.T. FIELD MAINTENANCE ENGINEERS



Bhadresh N. Shah
BHADRESH N. SHAH Feb. 27, 2005
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS LIC. No. 081-004476
EXPIRES: 11-30-10



DECK CROSS SECTION
(Looking East)

FILE NAME = deck_x-section.dgn
PLOT DATE = 2/26/2009

2-26-09



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

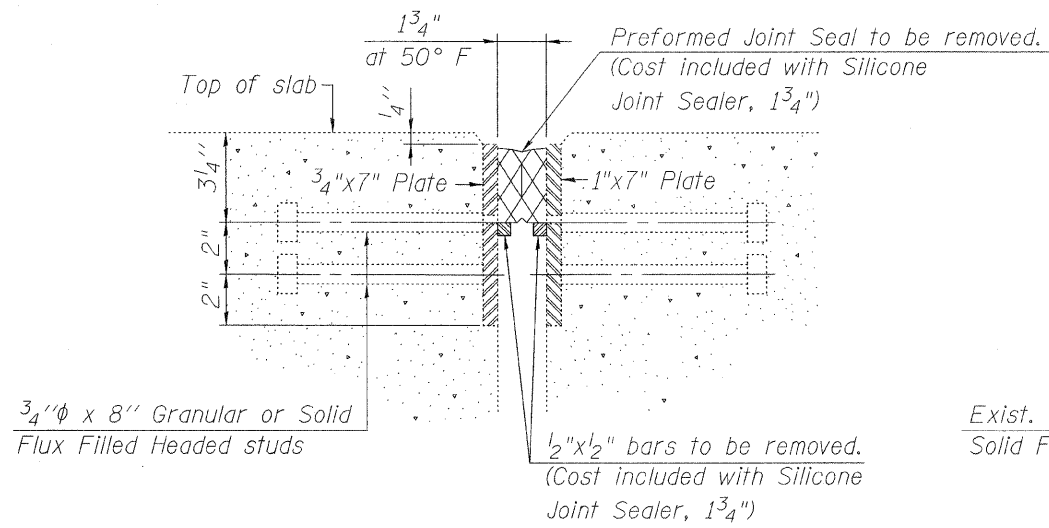
DESIGNED - B.N.S./J.C.N.	REVISED -
DRAWN - F.M.	REVISED -
CHECKED - B.N.S./J.C.N.	REVISED -
DATE - FEBRUARY, 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

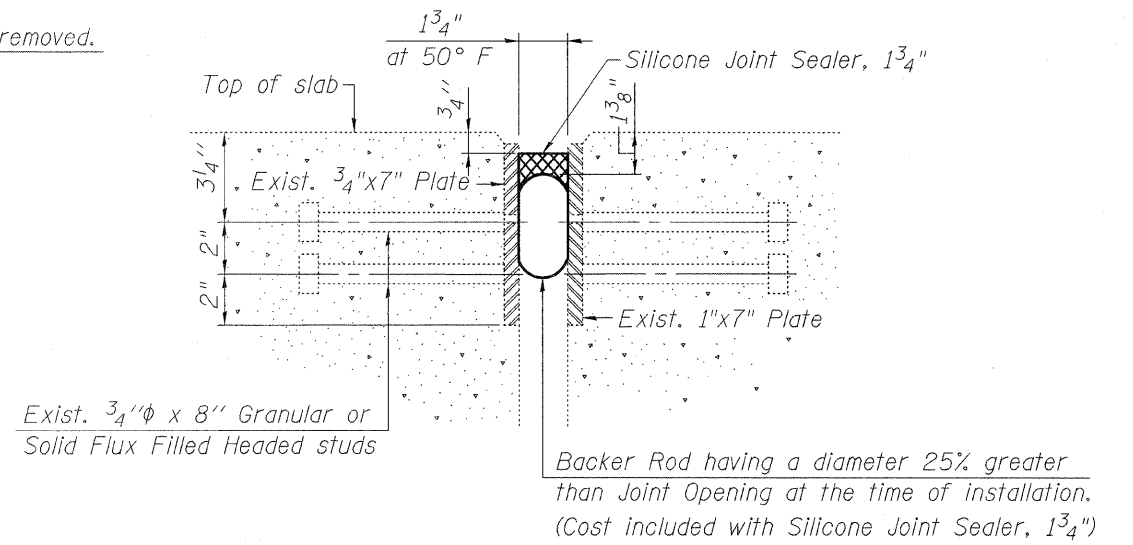
EXISTING DECK CROSS SECTION
U.S. RTE. 30 OVER BLACKBERRY CREEK S.N. 047-0029

SCALE: SHEET NO. S2 OF S4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	18B
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 60F27				



EXISTING
SECTION A-A



PROPOSED
SECTION A-A

BILL OF MATERIAL

Item	Unit	Total
Silicone Joint Sealer, 1 3/4"	Foot	118

NOTE:
Work this Sheet with Sht. S1

FILE NAME = joint_details.dgn
PLOT DATE = 2/26/2009

2-26-09



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - B.N.S./J.C.N.	REVISED -
DRAWN - F.M.	REVISED -
CHECKED - B.N.S./J.C.N.	REVISED -
DATE - FEBRUARY, 2009	REVISED -

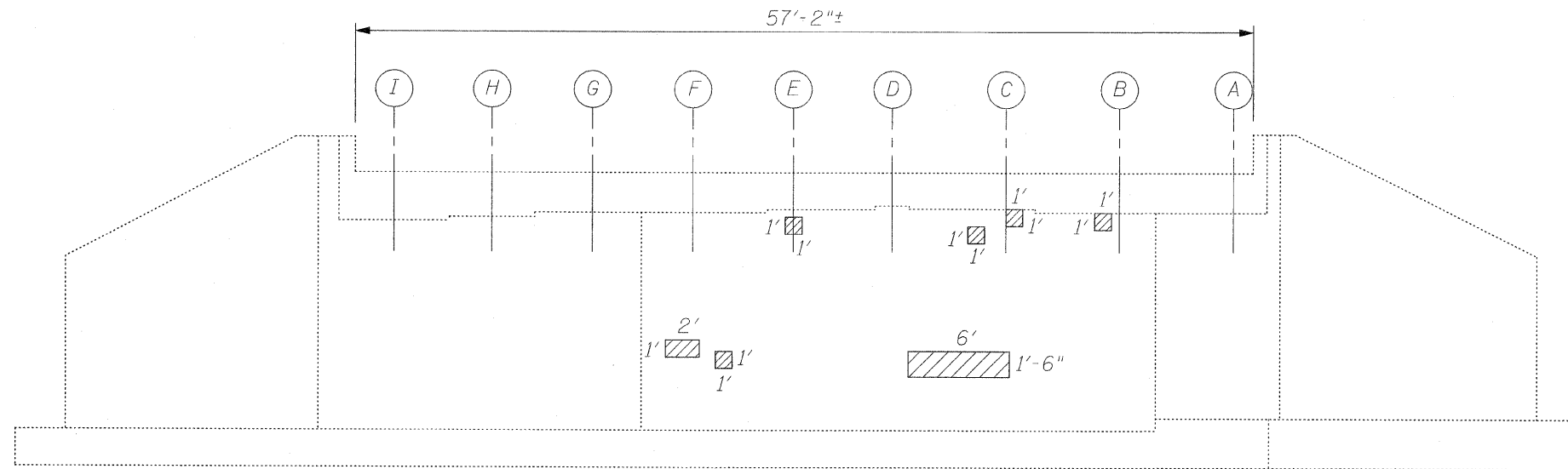
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS
U.S. RTE. 30 OVER BLACKBERRY CREEK S.N. 047-0029

SCALE: SHEET NO. S3 OF S4 SHEETS STA. TO STA.

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	18-C

CONTRACT NO. 60F27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT




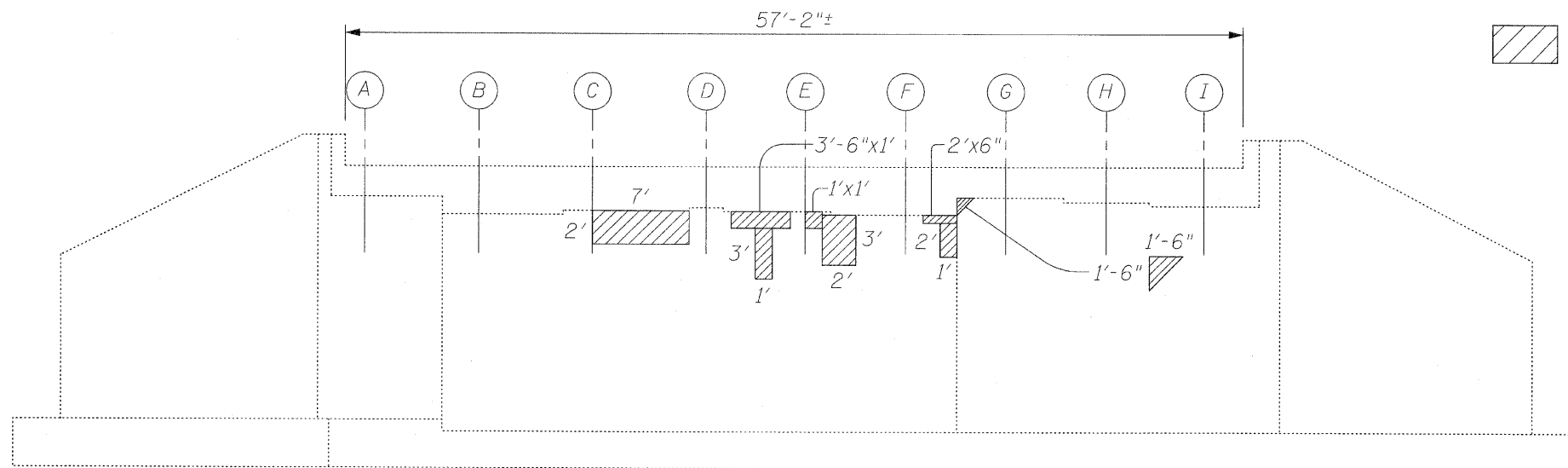
ELEVATION
WEST ABUTMENT
(Looking West)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	48

LEGEND:

 Structural Repair of Concrete
(Depth Equal to or Less Than 5 In.)



ELEVATION
EAST ABUTMENT
(Looking East)

FILE NAME = west_east_abutment.dgn
PLOT DATE = 2/26/2009

2-26-09



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

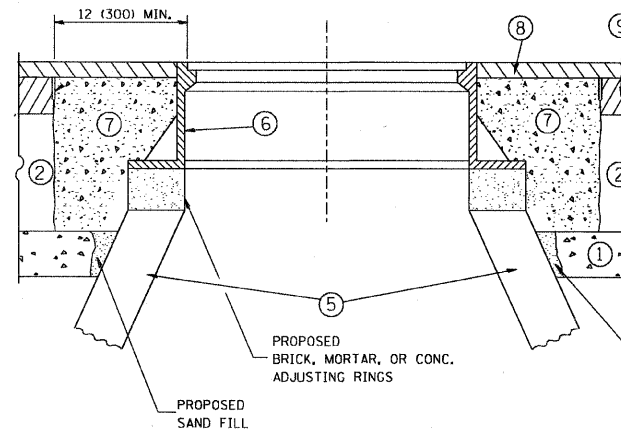
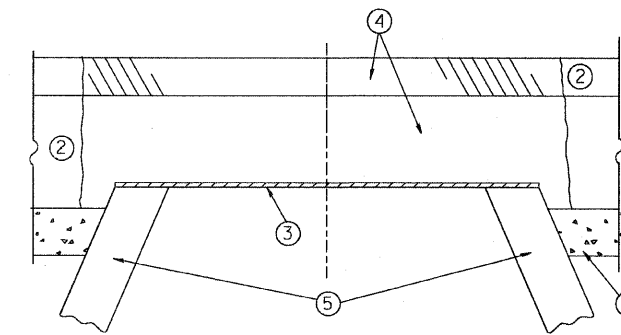
DESIGNED - B.N.S./J.C.N.	REVISED -
DRAWN - F.M.	REVISED -
CHECKED - B.N.S./J.C.N.	REVISED -
DATE - FEBRUARY, 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENTS
U.S. RTE. 30 OVER BLACKBERRY CREEK S.N. 047-0029

SCALE: SHEET NO. 54 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	16-B
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F27	



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 1/2 (40) 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.

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

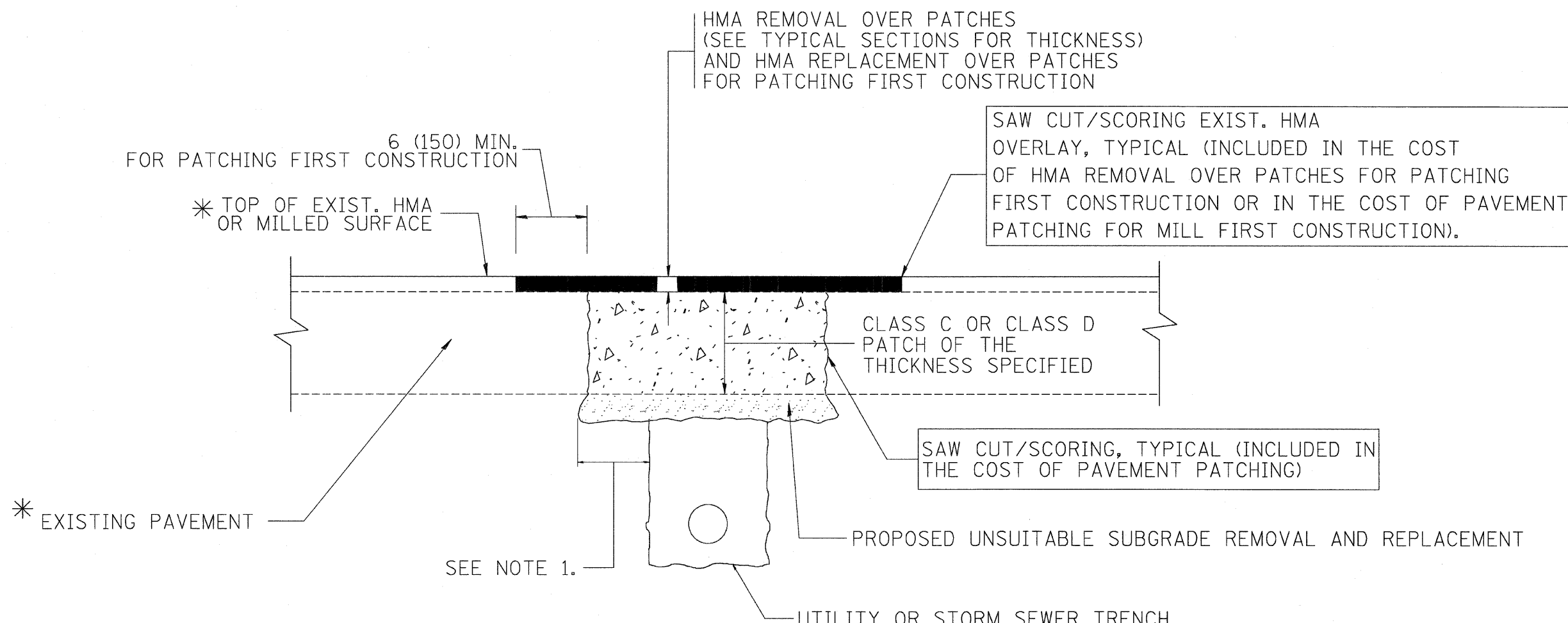
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = M:\diststd\22x34\bd08.dgn	USER NAME = geglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2000	DATE - 10-25-94	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	19
BD600-03 (BD-8)			CONTRACT NO. 60F27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* 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)

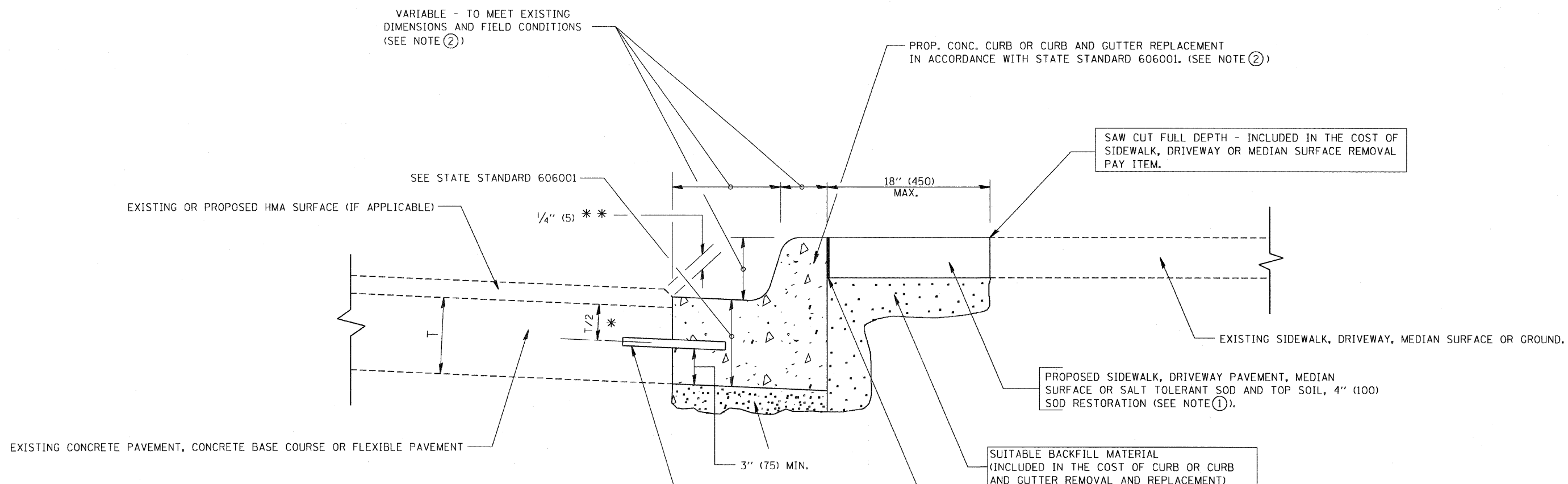
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		349	10 RS-6	KANE/KENDALL	29	20			
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60F27				
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
 - ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
 - ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
 - ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

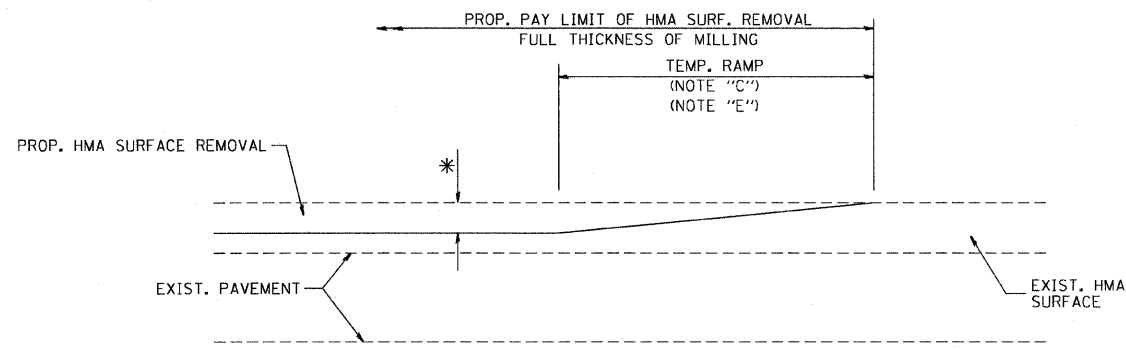
- PROPOSED CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)
- SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.
- EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.
- PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).
- SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

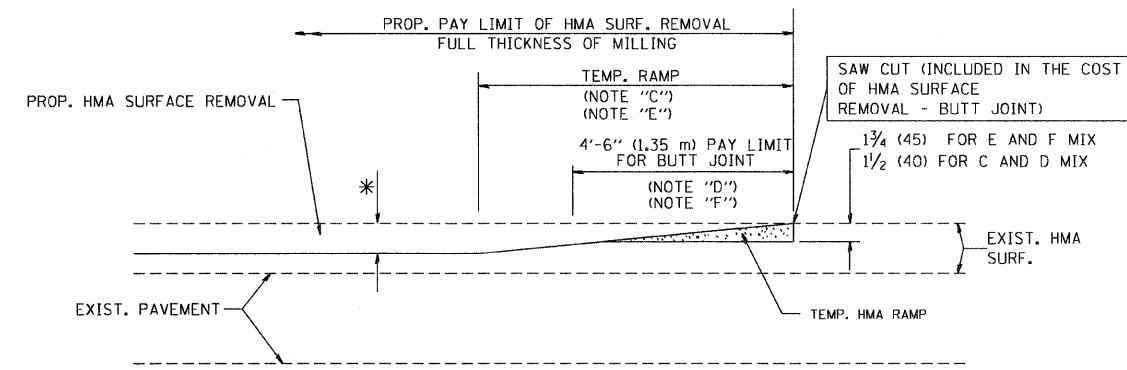
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distatd\22x34\bd24.dgn	USER NAME = geglennobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 21
PLOT SCALE = 50.000' / IN.	CHECKED -	DATE - 03-11-94	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		CONTRACT NO. 60F27		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



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

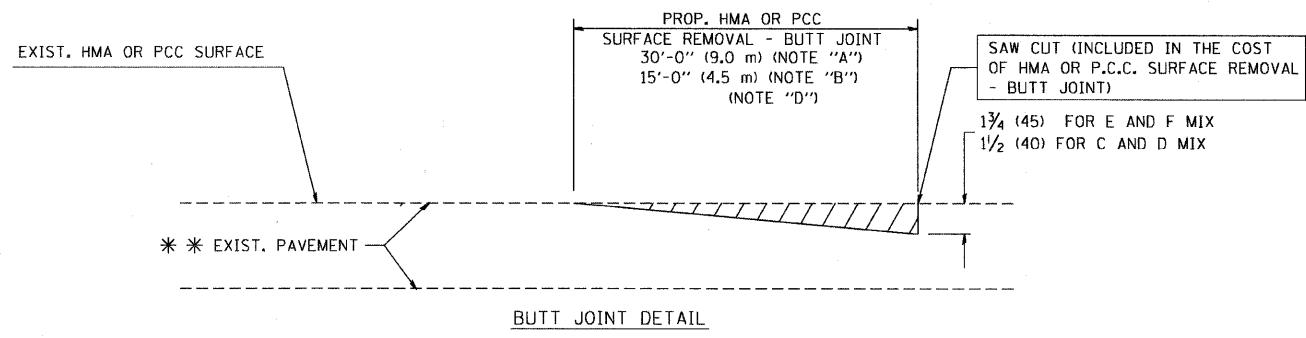
OPTION 1



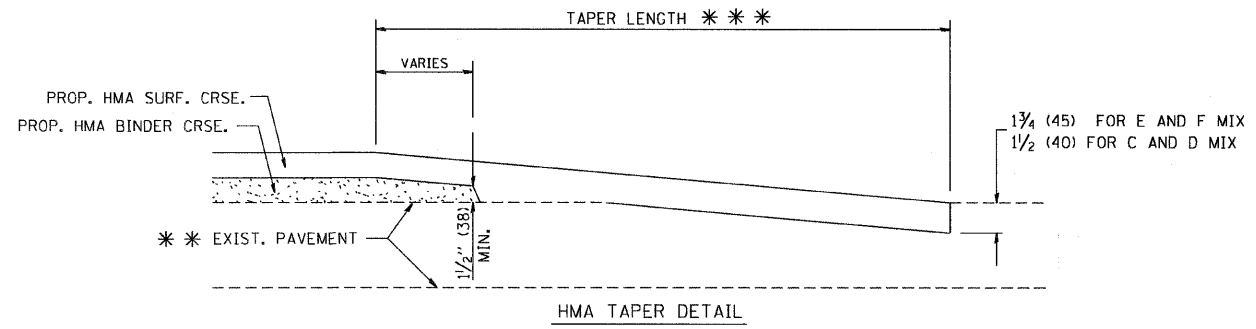
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

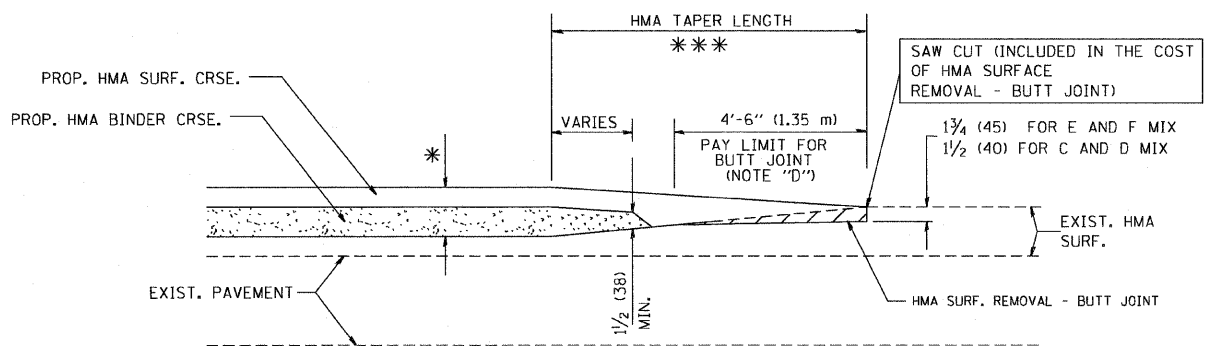
NOTES

- 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.



BUTT JOINT AND
HMA TAPER

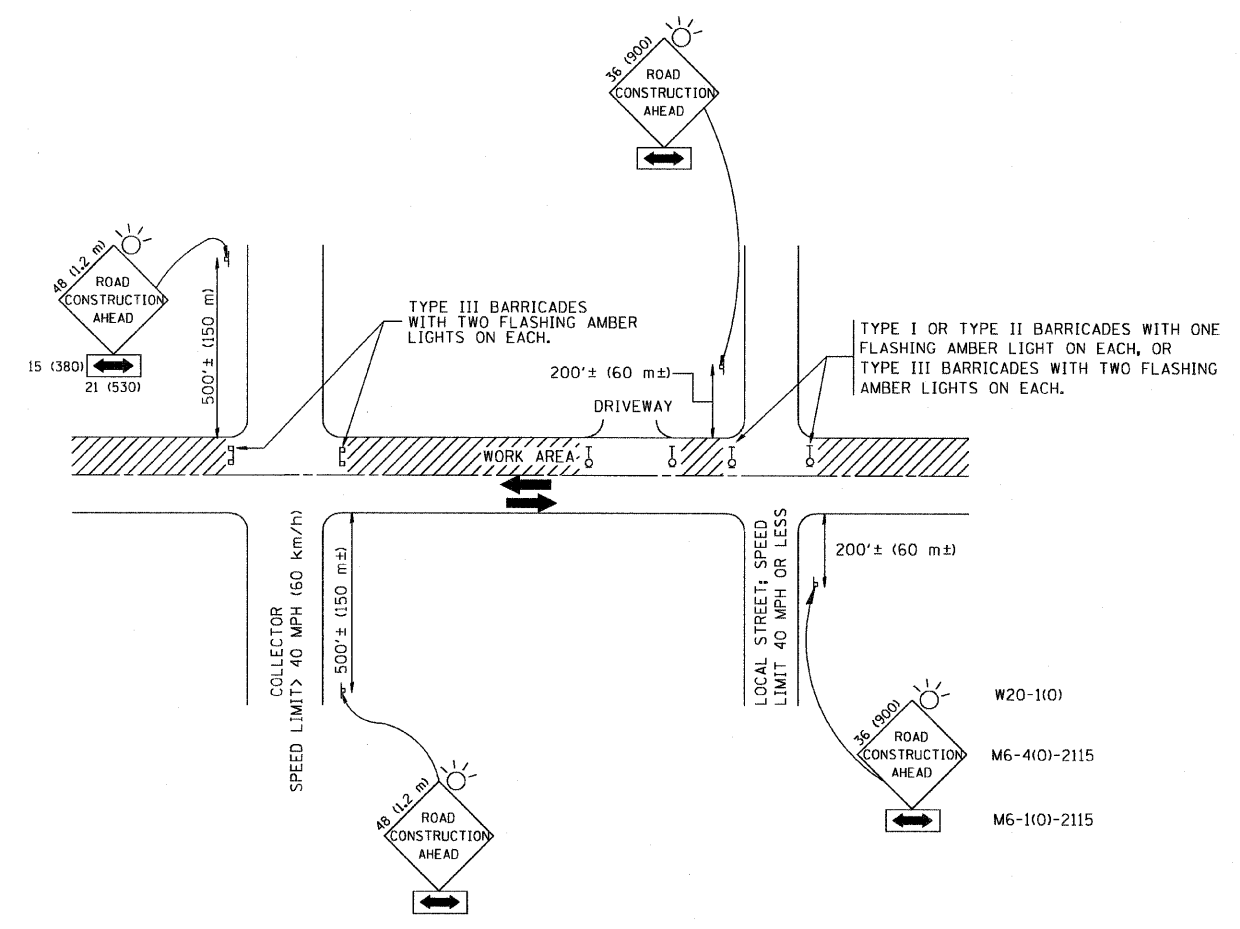
TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gsglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	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

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

BUTT JOINT AND HMA TAPER DETAILS		F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 22
		8D400-05 BD32		CONTRACT NO. 60F27		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID 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:
 - 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.

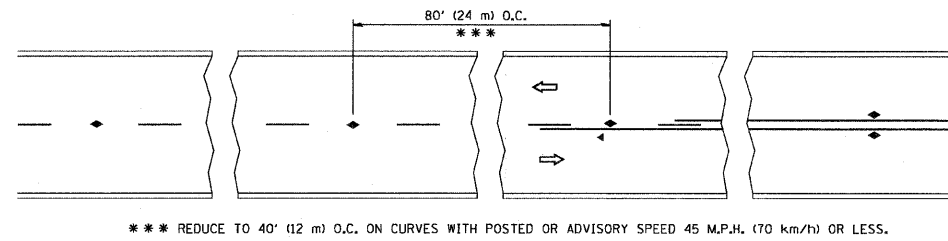
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc18.dgn	USER NAME = geglennobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 58.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

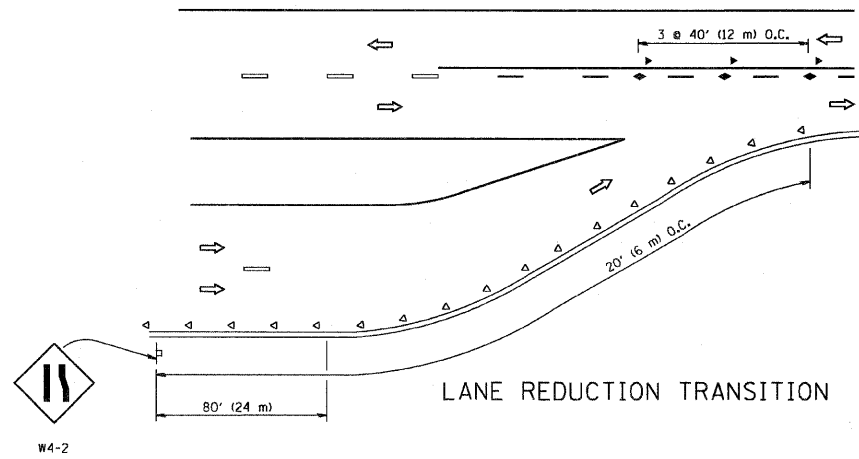
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

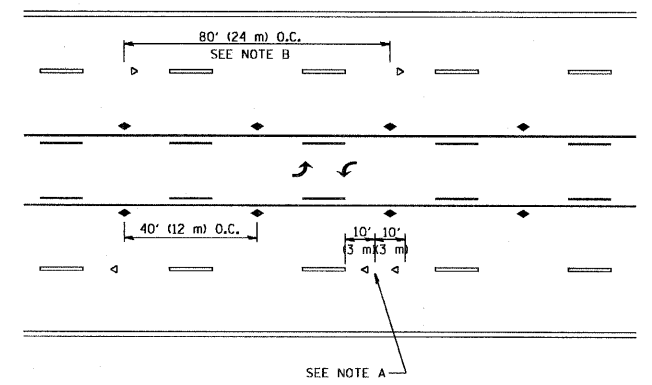
F.A.P. RTE. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 23
TC-10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 60F27				



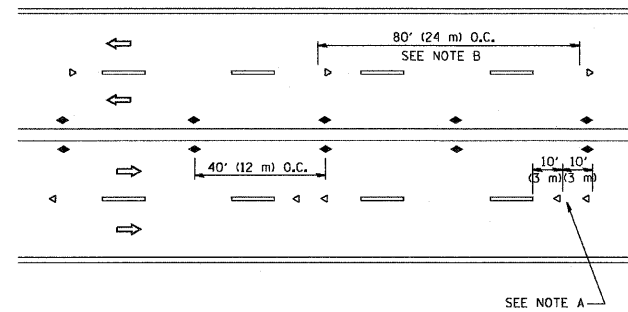
TWO-LANE/TWO-WAY



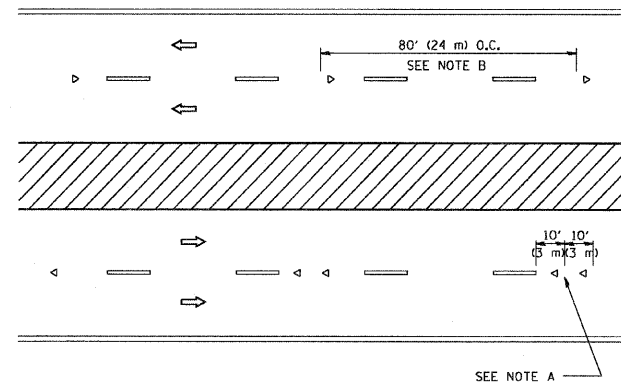
LANE REDUCTION TRANSITION



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

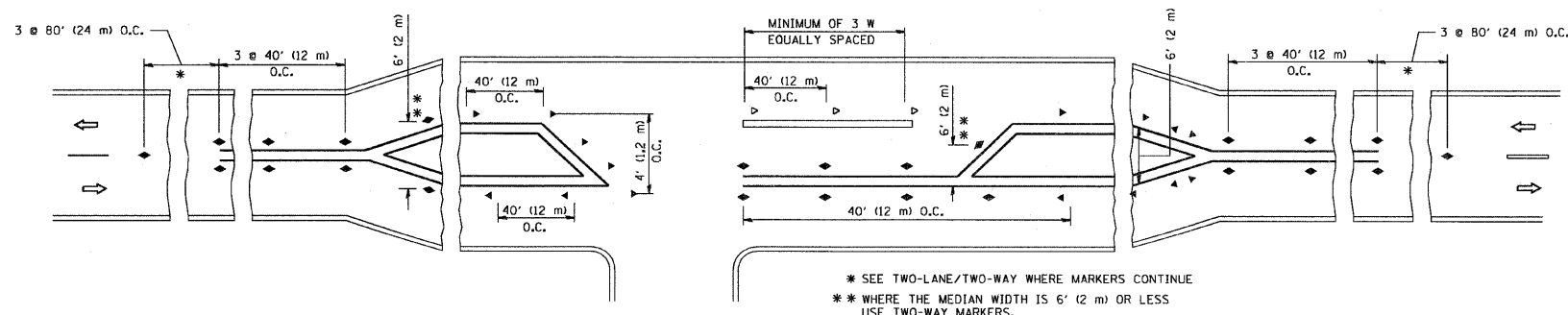
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- 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.

DESIGN NOTES

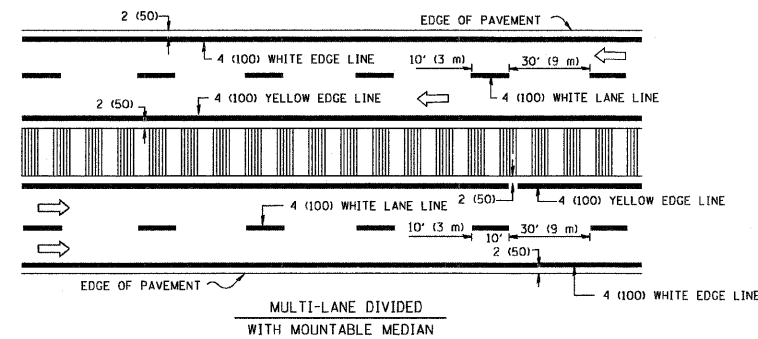
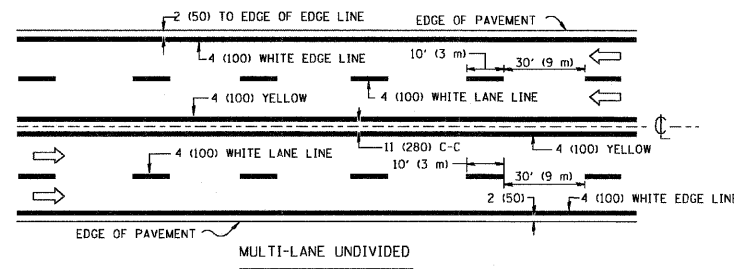
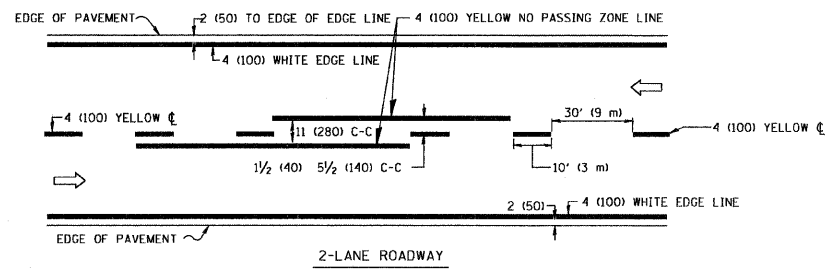
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD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



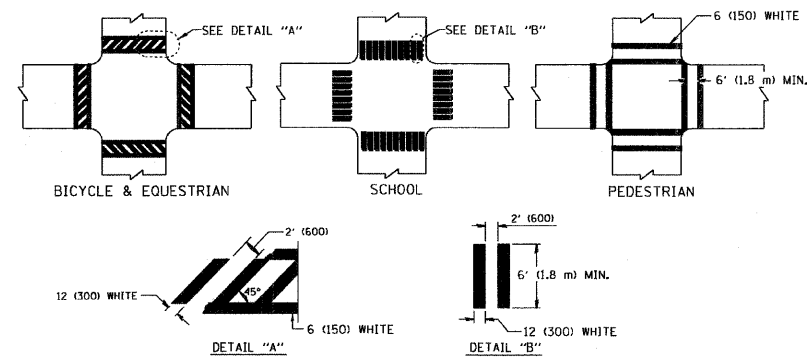
LEFT TURN

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

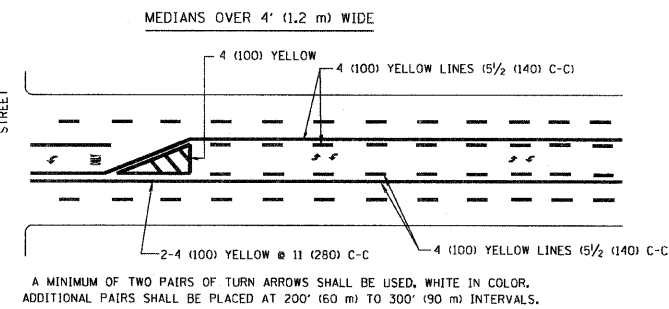
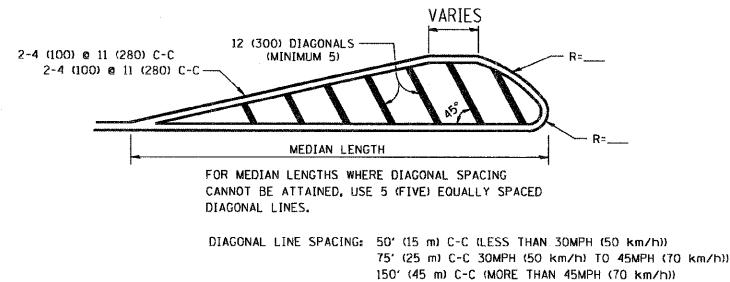
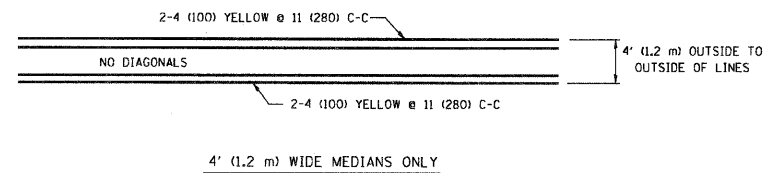
FILE NAME = W:\d\state\22x34\vol1.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		349	10 RS-6	KANE/KENDALL	29	24		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		TC-11		CONTRACT NO. 60F27		
		DATE -	REVISED -				FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



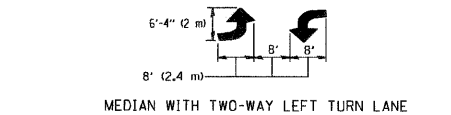
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE
TYPICAL LANE AND EDGE LINE MARKING



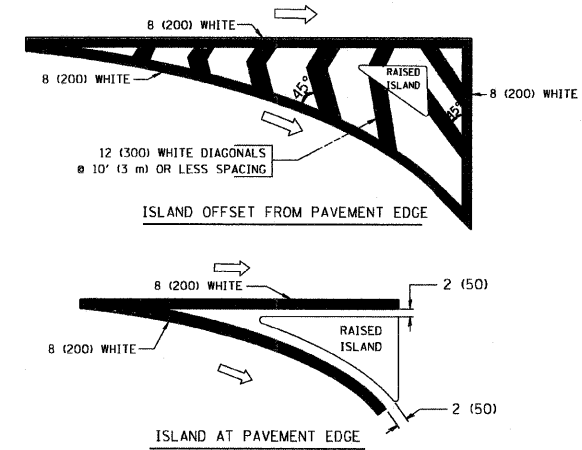
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



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	5/2 (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) 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 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.
GOPE 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 78001 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))

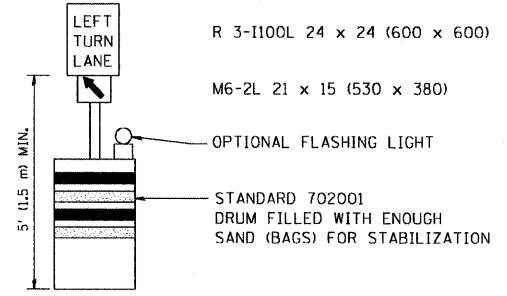
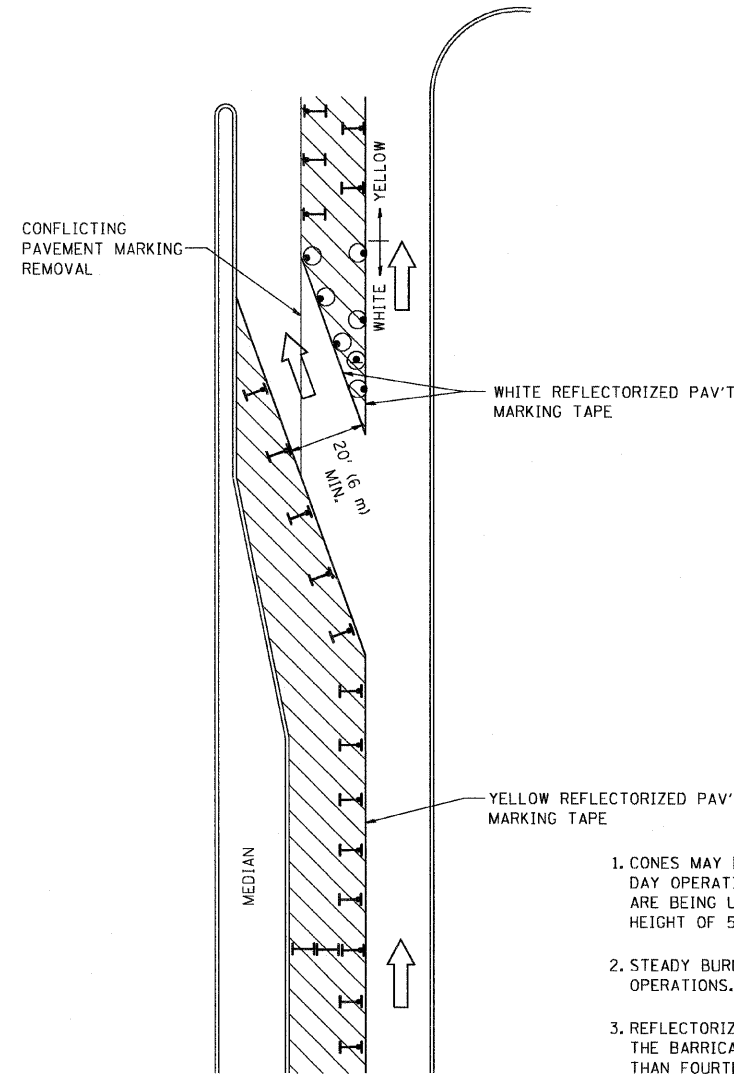
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78001.

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

FILE NAME = W:\diststd\22x34\td13.dgn	USER NAME = geglienobt	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
	PLOT SCALE = 50,000' / IN.	DRAWN - A. HOUSEH 10-09-96	REVISED - A. HOUSEH 10-09-96
	PLOT DATE = 1/4/2008	CHECKED - A. HOUSEH 10-17-96	REVISED - A. HOUSEH 10-17-96
		DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		349	10 RS-6	KANE/KENDALL	29	25
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 60F27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

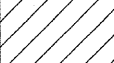







GENERAL NOTES

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.

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

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

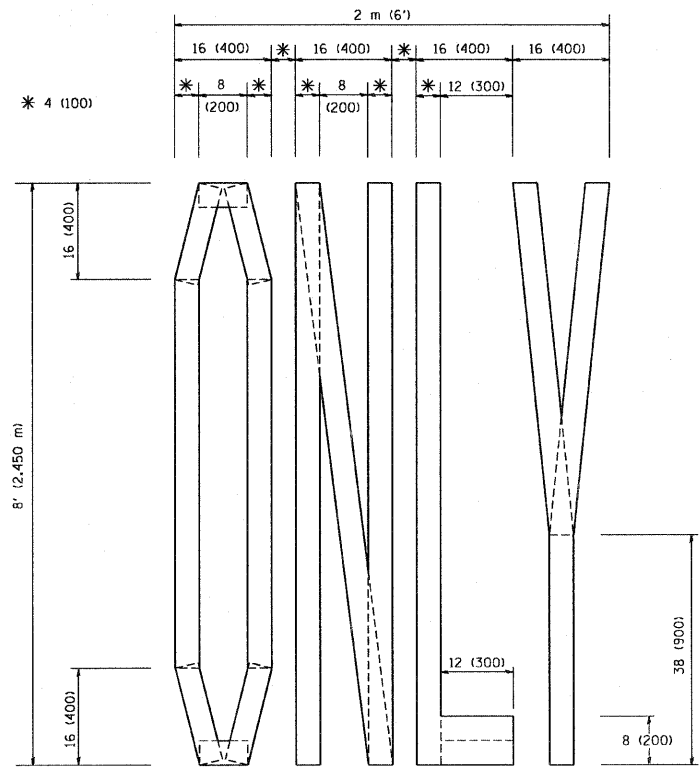
FILE NAME = W:\distatd\22x34\vc14.dgn	USER NAME = goglienobt	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
		DRAWN -	REVISED - A. HOUSEH 11-07-95
		CHECKED -	REVISED - A. HOUSEH 10-12-96
		DATE -	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

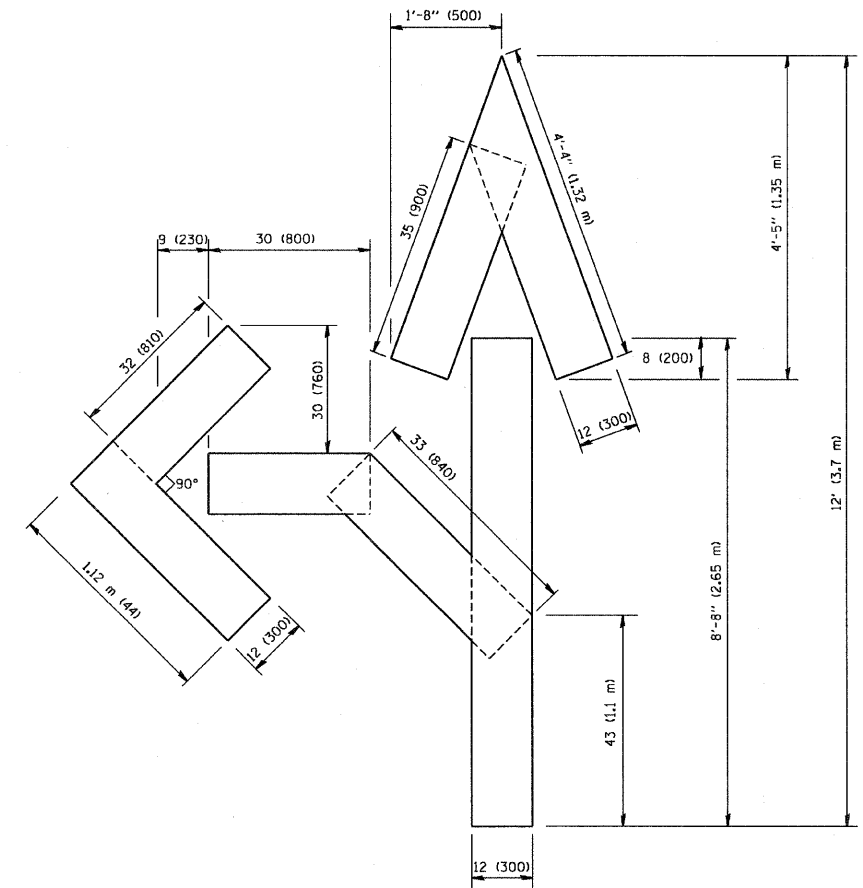
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

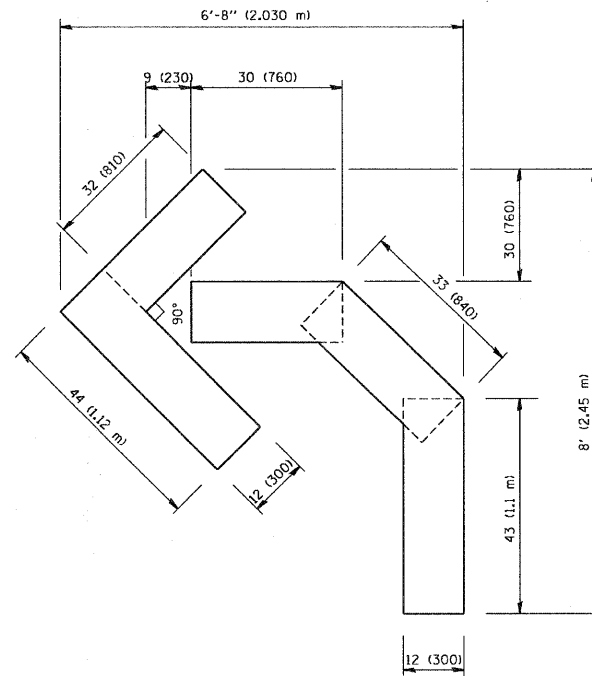
E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	26
TC-14				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



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.

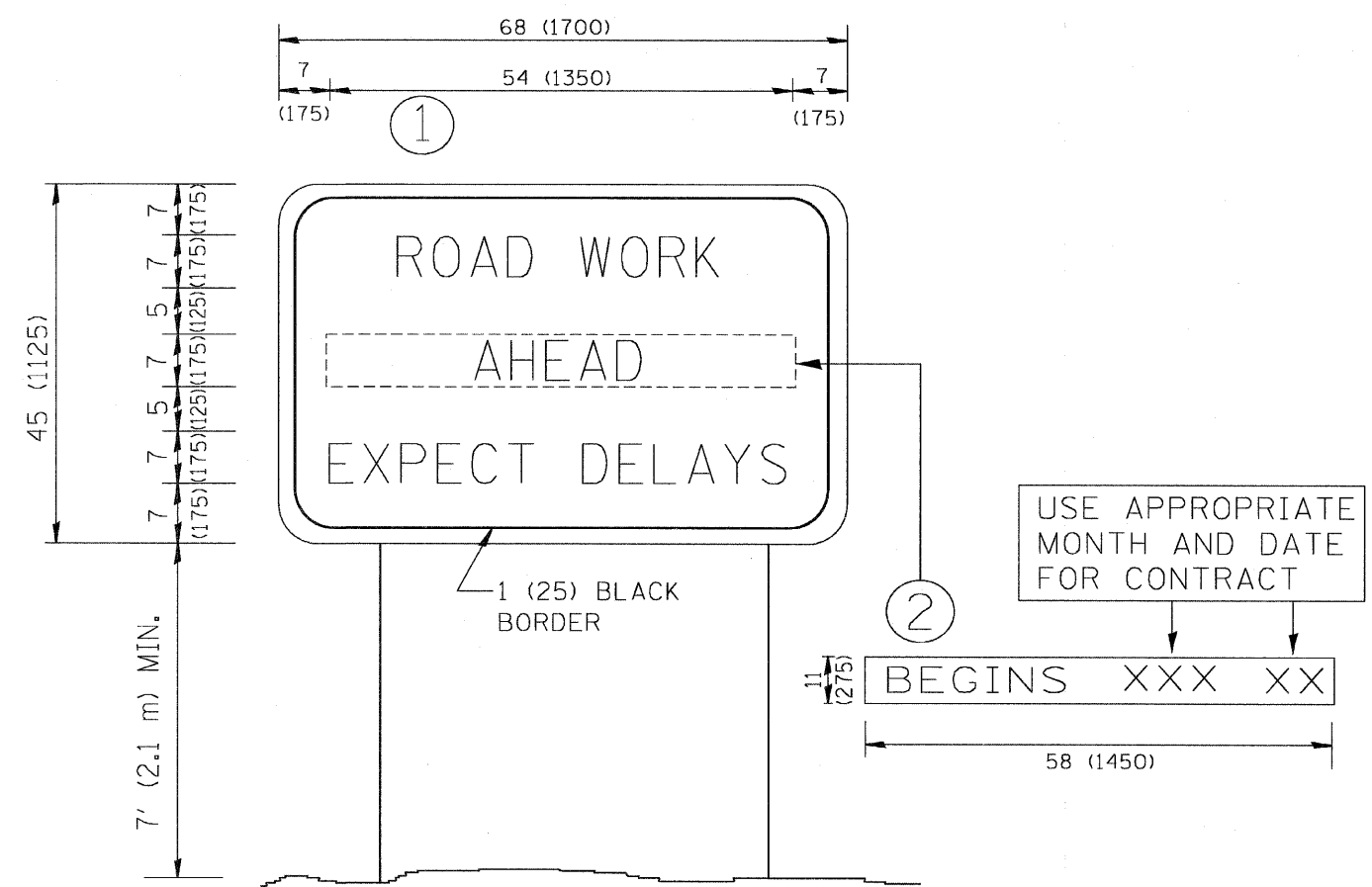
FILE NAME = W:\distcd\22x34\16.dgn	USER NAME = gsglienobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	27
TC-16			CONTRACT NO. 60F27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME = W:\dststd\22x34\to22.dgn	USER NAME = geglienobt	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

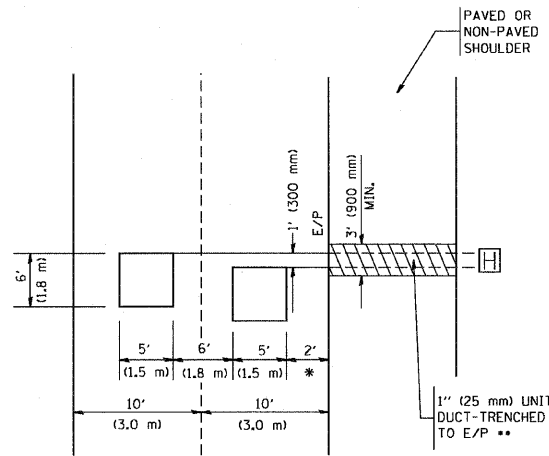
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	10 RS-6	KANE/KENDALL	29	28
TC-22			CONTRACT NO. 60F27	
<small>FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT</small>				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

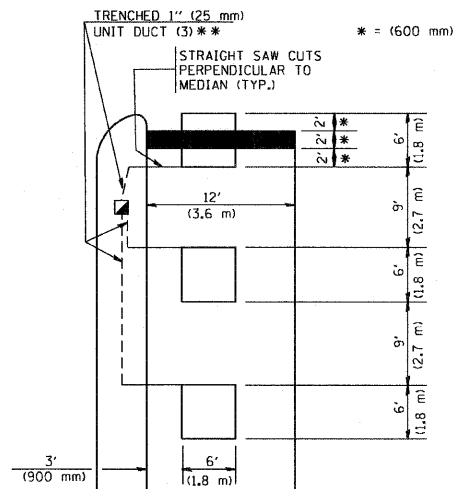


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

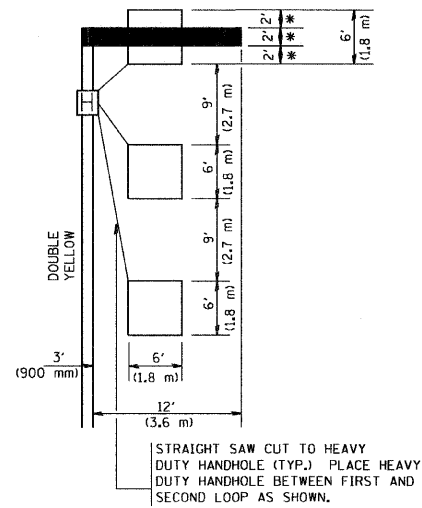


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

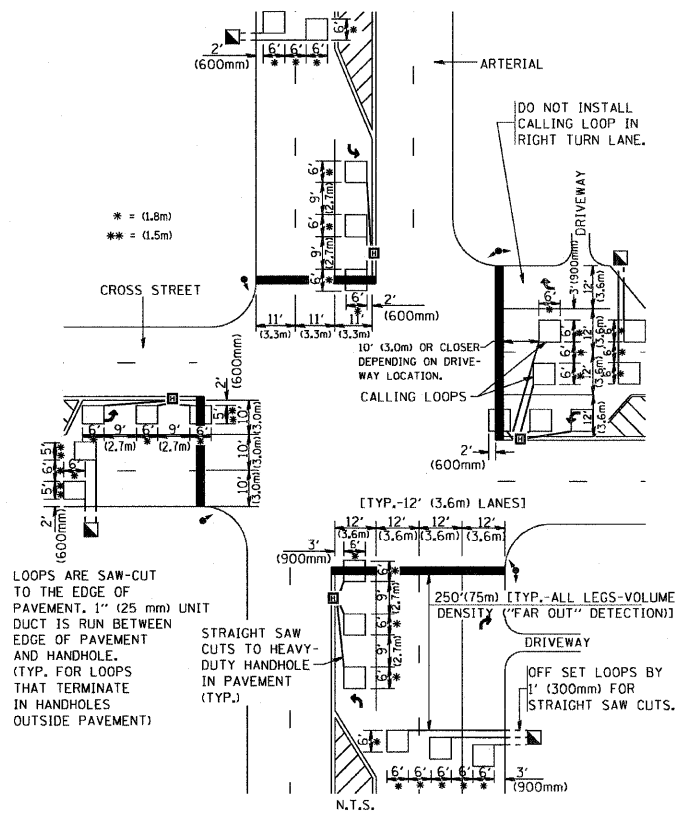
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)

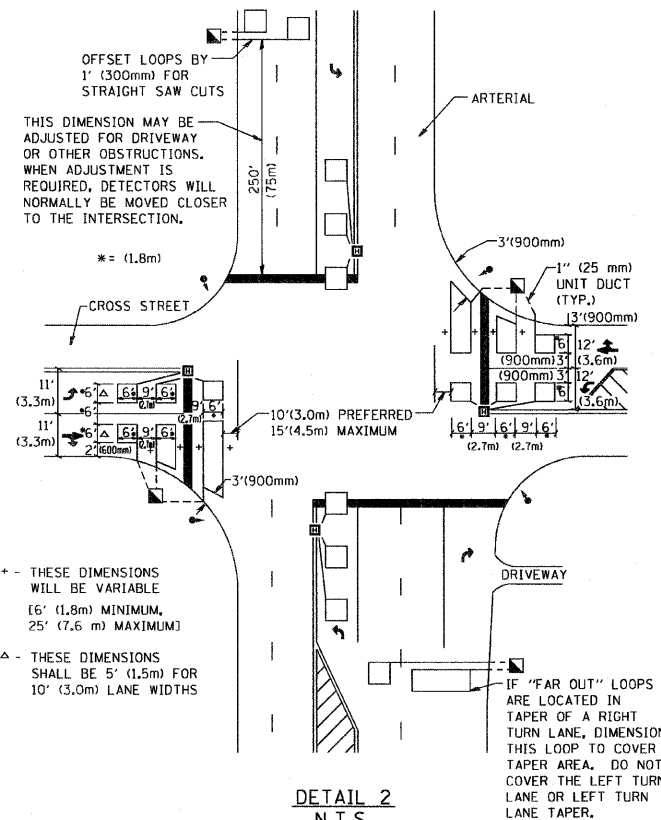


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



+- THESE DIMENSIONS WILL BE VARIABLE (6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM)

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
N.T.S.

NOTES:
VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\data\22\34\ts07.dgn	USER NAME = geglencbt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		F.A.P. R.T.E. 349	SECTION 10 RS-6	COUNTY KANE/KENDALL	TOTAL SHEETS 29	SHEET NO. 29
PLOT SCALE = 50.0000' / IN.	PLOT DATE = 1/4/2008	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TS-07		CONTRACT NO. 60F27	
		CHECKED - R.K.F.	REVISED -					FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			
		DATE -	REVISED -								