

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60A50	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. RTE. 350 / IL. RTE. 50 (CICERO AVENUE)
SECTION: 2005-060 RS
NORTH OF IL. 19 (IRVING PARK ROAD)
TO I-94 (EDENS EXPRESSWAY)
RESURFACING (3P)
PROJECT: *ESP-0350(029)*
COUNTY: COOK
C-91-063-06
JEFFERSON TOWNSHIP
R. 13 E.

D-91-063-06



LOCATION OF SECTION INDICATED THIS: - - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 13, 20 09
Diana M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER
March 13, 20 09
Charles G. Ingersoll ENGINEER OF DESIGN AND ENVIRONMENT
March 13, 20 09
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

Birinder S. Sachdeva January 7, 2009
BIRINDER S. SACHDEVA, P.E. DATE
EXPIRES: 11-30-2009

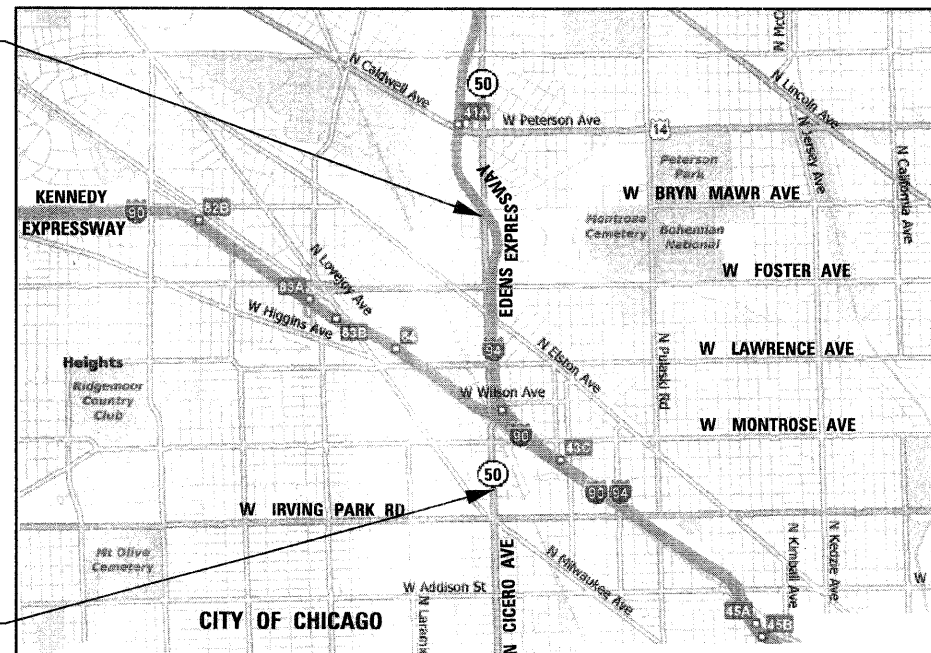
**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:
SPEED LIMIT : 30 M.P.H.
2007 ADT = 29,700

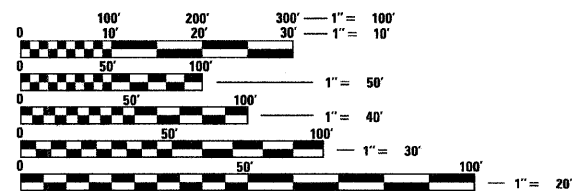
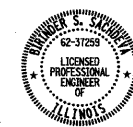
PROJECT LOCATED IN THE
CITY OF CHICAGO

- PROJECT ENDS
STA. 118 + 57
- PAVING OMISSION
STA. 95 + 30.0 TO
STA. 96 + 95.0
- PAVING OMISSION
STA. 86 + 43.0 TO
STA. 88 + 05.0
- PAVING OMISSION
STA. 72 + 10.0 TO
STA. 73 + 40.0
- PAVING OMISSION
STA. 50 + 48.9 TO
STA. 52 + 66.9
- PROJECT BEGINS
STA. 22 + 20



GROSS LENGTH OF PROJECT = 9,591 FEET = 1.817 MILES
NET LENGTH OF PROJECT = 8,916 FEET = 1.689 MILES

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



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
AND
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

CONTRACT NO. 60A50

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

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420701-02	PAVEMENT FABRIC
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
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 AND CHICAGO UTILITY ALERT NETWORK AT 312-744-7000 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 AND THE CITY OF CHICAGO.
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 MR. WALTER CZARNY, THE AREA TRAFFIC FIELD ENGINEER, AT (773) 685-8386 AT LEAST 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. "PATCHING" IN THE AREAS OF THE EXISTING RAILROAD TRACKS SHALL CONSIST OF REMOVING ALL LOOSE PAVEMENT, DEBRIS AND/OR PAVERS AFTER MILLING AND THE PLACEMENT OF HMA PATCHING MATERIAL. THE RAILS AND TIES SHALL REMAIN IN PLACE. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR CLASS D PATCHES. QUANTITY ADJUSTMENTS SHALL BE AS SPECIFIED IN ARTICLE 442.10.
18. OVERNIGHT LANE CLOSURES SHALL BE ALLOWED FOR CONSTRUCTION OF CLASS B PATCHES AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE LANE CLOSURES SHALL BE COORDINATED WITH THE TRAFFIC CONTROL SUPERVISOR. SEE NOTE 12.
19. PAY ITEM 55039700 - STORM SEWERS TO BE CLEANED - SHALL ONLY BE UTILIZED TO CLEAN STORM SEWER LATERAL PIPES BETWEEN INLETS OR CATCH BASINS AND MAIN SEWERS.

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST OF THE WORK INVOLVED.

PLAN NOTES - CITY OF CHICAGO

1. ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
2. SEWER SIZES 525 MM (21") DIAMETER OR SMALLER MUST BE EXTRA STRENGTH VITRIFIED CLAY PIPE C-700 OR DUCTILE IRON PIPE WITH PUSH-ON OR MECHANICAL JOINTS. SEWER SIZES 600 MM (24") DIAMETER OR LARGER MUST BE REINFORCED CONCRETE PIPE TYPE C-76, CLASS III, WALL "B" WITH "O-RING" JOINTS.
3. PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR ALL WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR / SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF THE SEWER PERMIT TO SUITE 410, 333 SOUTH STATE STREET, CHICAGO, IL 60604-3971. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.
4. IF THE SEWER PIPE COVER IS REDUCED TO LESS THAN 1 METER (3 FT.), CONCRETE ENCASEMENT OF THE SEWER OR REPLACEMENT OF THE SEWER WITH CLASS 52 DUCTILE IRON PIPE WILL BE REQUIRED.
5. IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND / OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF SEWERS AT (312) 747-7892 OR (312) 747-7893.
6. PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
7. BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF SEWERS AT SUITE 410, 333 SOUTH STATE STREET, CHICAGO, IL 60604-3971. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACING ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
8. SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
9. ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND GRATES OR LIDS ON SEWER STRUCTURES SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND GRATES OR LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF SEWERS AT 39TH STREET AND ASHLAND AVENUE.
10. CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER AND / OR DEPARTMENT OF SEWERS.
11. CURB AND GUTTER CONSTRUCTION SHALL PROVIDE A MINIMUM CURB HEIGHT OF 75 MM (3").
12. BACKFILL MATERIAL UNDER SIDEWALKS SHALL BE FA-2.
13. PAVEMENT REPLACEMENT AROUND FRAMES AND GRATES OR LIDS WHERE DRAINAGE, WATER MAIN OR ELECTRICAL STRUCTURES ARE ADJUSTED OR RECONSTRUCTED, SHALL BE WITH CLASS SI CONCRETE.
14. NOT USED.

FILE NAME = D168950-shr-gennote.dgn
PLOT DATE = 1/8/2009



DESIGNED -	D.L.	REVISED -	
DRAWN -	B.K.	REVISED -	
CHECKED -	M.P.	REVISED -	
DATE -	DECEMBER 1, 2008	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES & CITY OF CHICAGO
NOTES IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 12+17 TO STA. 118+57	F.A.P. RTE. 350	SECTION 2005-060 RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 2
							CONTRACT NO. 60A50
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES			100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 1000-2A URBAN
CODE NO	ITEM	UNIT		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	51	51
40600300	AGGREGATE (PRIME COAT)	TON	255	255
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,010	1,010
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	69	69
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	6,244	6,244
42001300	PROTECTIVE COAT	SQ YD	565	565
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	124	124
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,530	1,530
42400800	DETECTABLE WARNINGS	SQ FT	56	56
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	63,719	63,719
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	124	124
44000600	SIDEWALK REMOVAL	SQ FT	1,600	1,600
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,219	1,219
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	583	583
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	30	30
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	150	150
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	31	31
44213100	PAVEMENT FABRIC	SQ YD	181	181
44213200	SAW CUTS	FOOT	720	720
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	240	240
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	110	110
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	70	70
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	740	740
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	380	380
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	2,400	2,400
NP 55039700	STORM SEWERS TO BE CLEANED	FOOT	4,327	4,327
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	12	12
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	133	133
60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	64	64
60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	2	2

SUMMARY OF QUANTITIES			100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 1000-2A URBAN
CODE NO	ITEM	UNIT		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	33,000	33,000
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	764	764
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	30,386	30,386
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6,152	6,152
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	746	746
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	385	385
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	703	703
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	19,890	19,890
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	764	764
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	30,386	30,386
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6,152	6,152
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	746	746
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	385	385
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	703	703
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,330	1,330
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	320	320
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	160	160
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,676	2,676
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1
Z0017202	DOWEL BARS 1 1/2"	EACH	200	200
NP Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	139	139
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
⊙ Z0076600	TRAINEES	HOUR	1000	1000

⊙ 1080
NP - Non-participating
* SPECIALTY ITEM

FILE NAME = D168A50-sh-t-500.dgn
PLOT DATE = 1/8/2009



DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL RTE. 50 (CICERO AVENUE) SOUTH OF IL RTE. 19 TO EDENS EXPY.

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 12+17 TO STA. 118+57

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	3
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60A50	

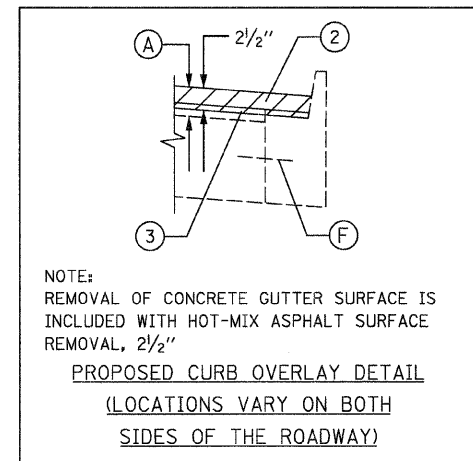
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ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
IL. RTE. 50 (CICERO AVENUE)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	SBS/SBR PG 70-22	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 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 (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 HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTES:

1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING FROM STA. 12+17 TO STA. 56+08.
2. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING FROM STA. 56+08 TO STA. 118+57.

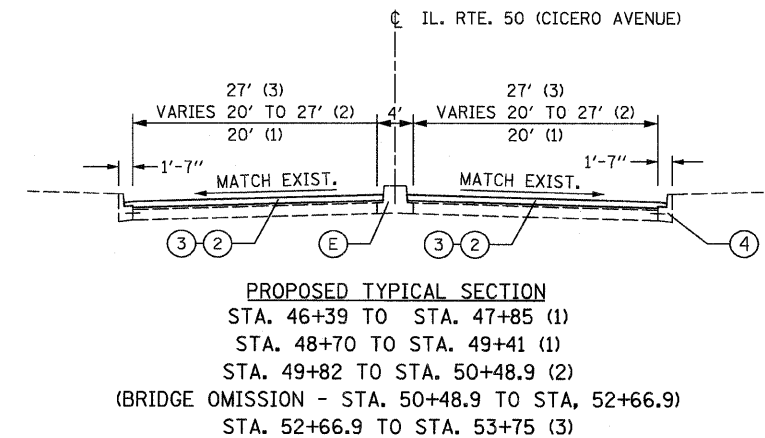
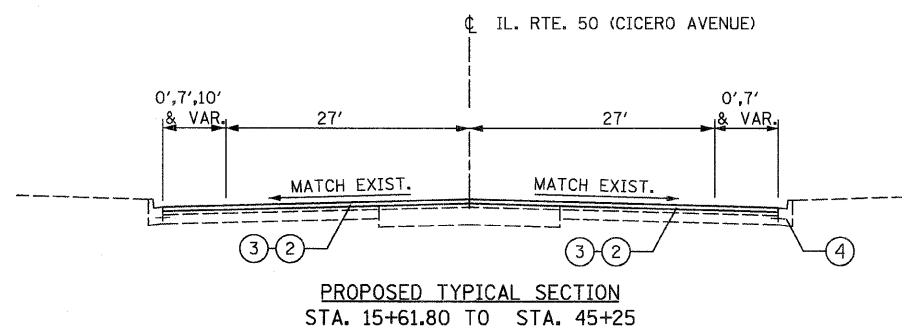
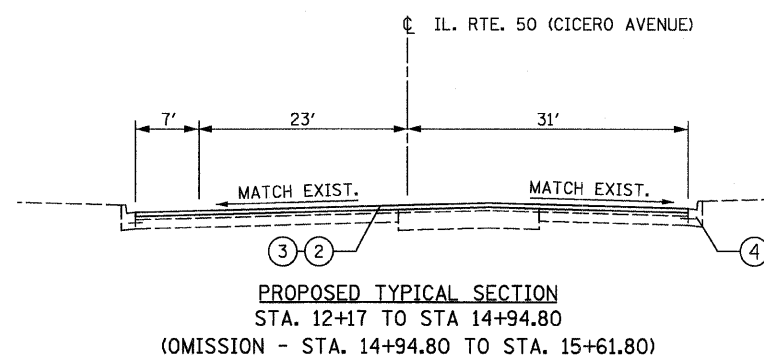
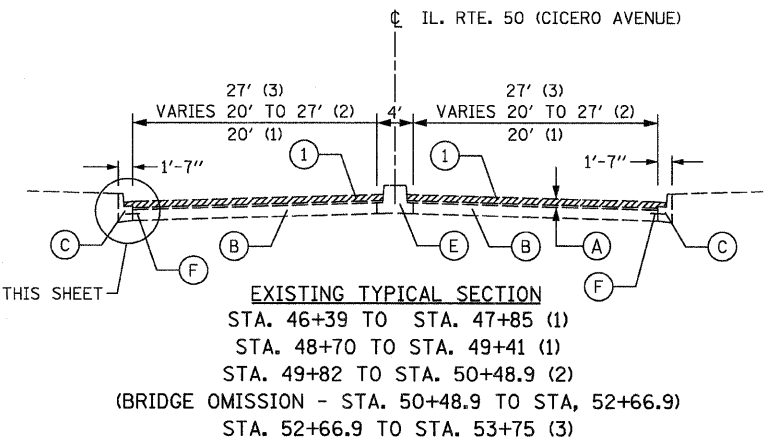
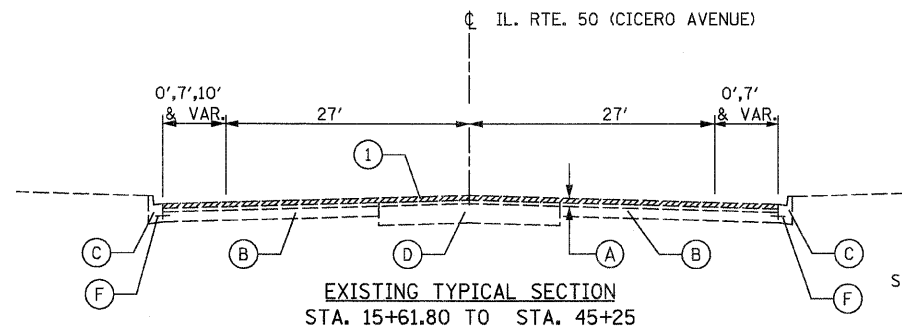
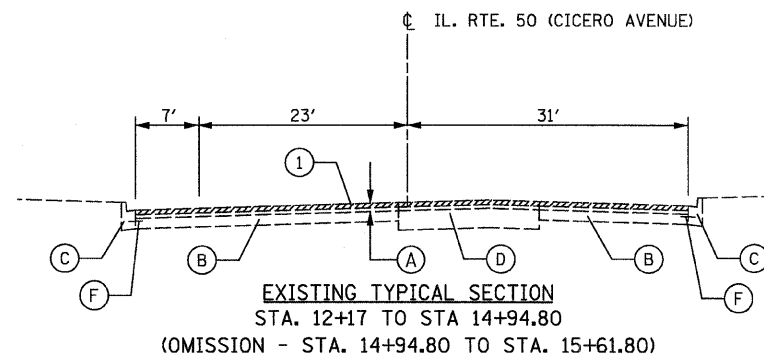


EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" & VARIES
- (A1) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 6", 7" & VARIES
- (B) PCC BASE COURSE, 9"
- (B1) PCC BASE COURSE, 8"
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (D) ABANDONED STREETCAR TRACKS (RAIL, WOODEN TIES, PAVERS)
- (E) CONCRETE MEDIAN, CONCRETE BARRIER WALL
- (F) TIE BARS

PROPOSED IMPROVEMENTS:

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)



FILE NAME = D168A58-sh-typical.dgn
PLOT DATE = 1/8/2009

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

DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

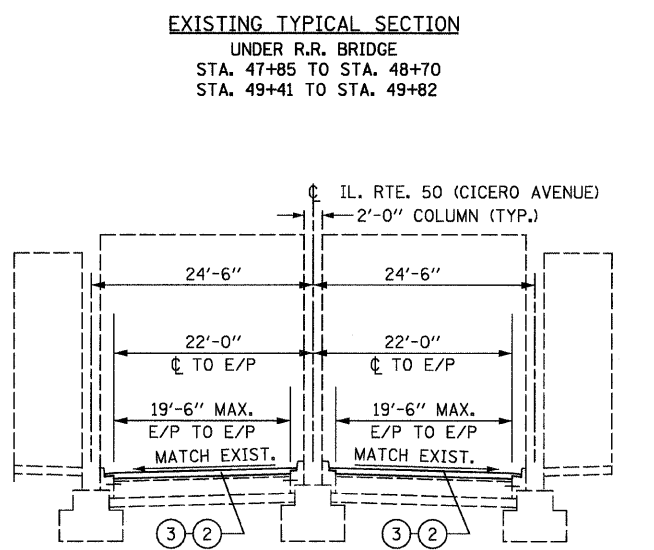
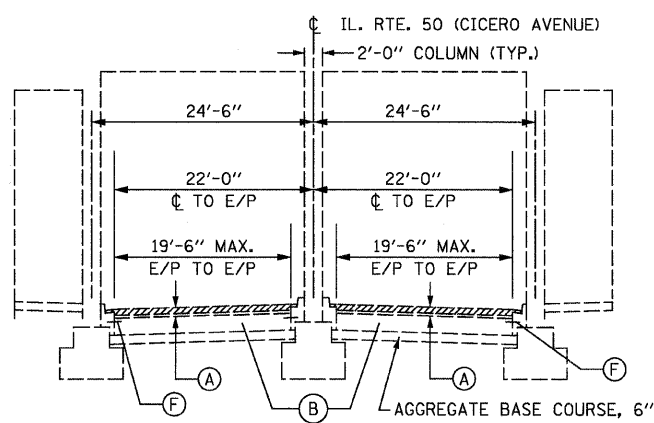
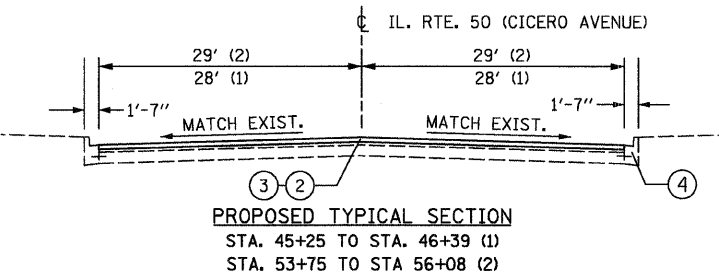
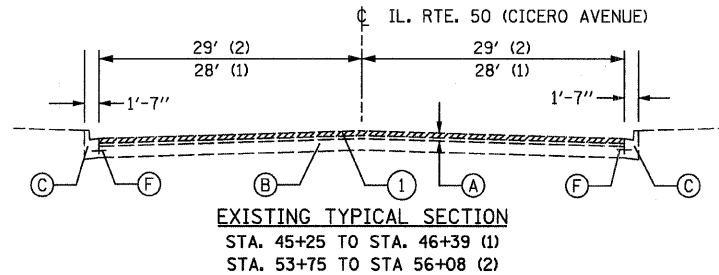
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

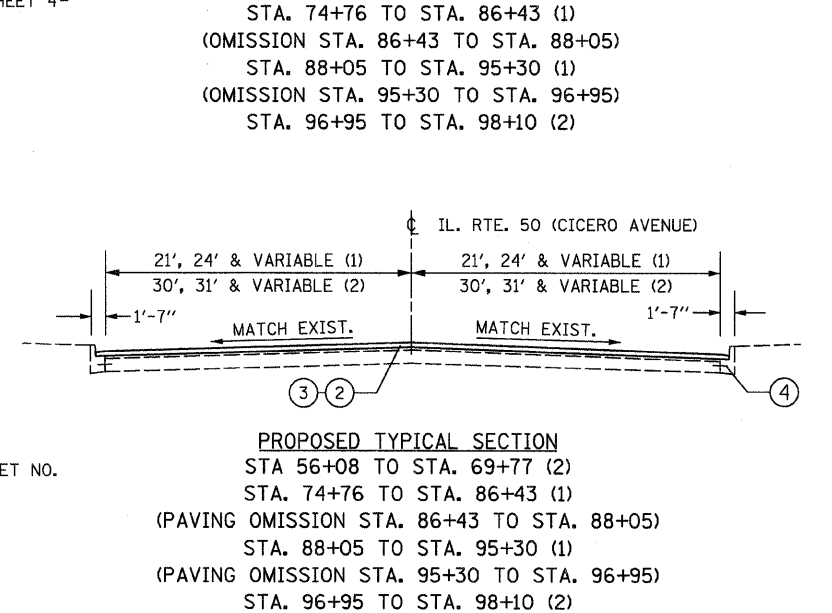
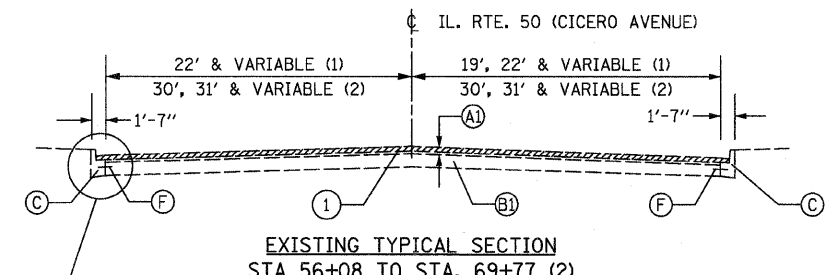
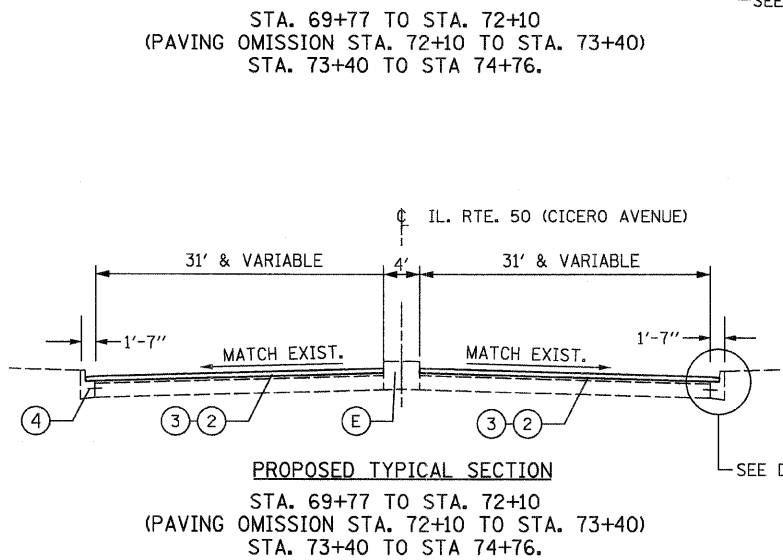
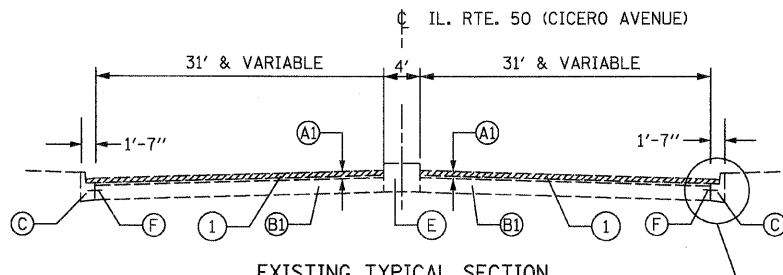
TYPICAL SECTIONS
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. 12+17 TO STA. 53+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	4
CONTRACT NO. 60A50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
* UNDER R.R. BRIDGE
STA. 47+85 TO STA. 48+70
STA. 49+41 TO STA. 49+82



NOTES:

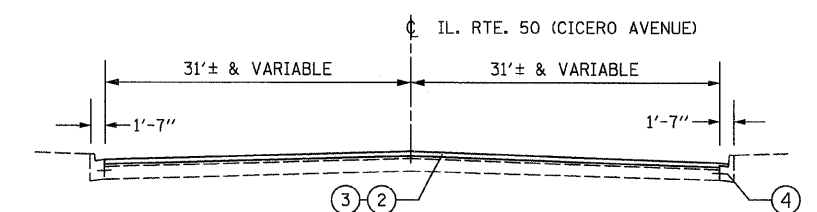
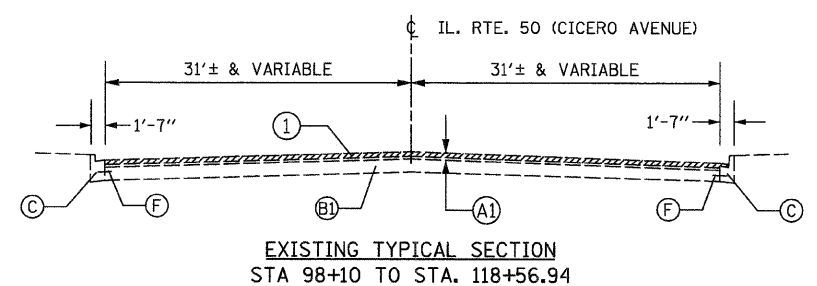
1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING FROM STA. 12+17 TO STA. 56+08.
2. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING FROM STA. 56+08 TO STA. 118+57.

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" & VARIES
- (A1) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 6", 7" & VARIES
- (B) PCC BASE COURSE, 9"
- (B1) PCC BASE COURSE, 8"
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (D) ABANDONED STREETCAR TRACKS (RAIL, WOODEN TIES, PAVERS)
- (E) CONCRETE MEDIAN, CONCRETE BARRIER WALL
- (F) TIE BARS

PROPOSED IMPROVEMENTS:

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)



PROPOSED TYPICAL SECTION
STA. 98+10 TO STA. 118+57

* NOTE: CONTRACTOR SHALL MAINTAIN EXISTING MINIMUM VERTICAL CLEARANCE AS SHOWN ON PLANS.

FILE NAME = D160A50-shr-typical.dgn
PLOT DATE = 1/8/2009

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

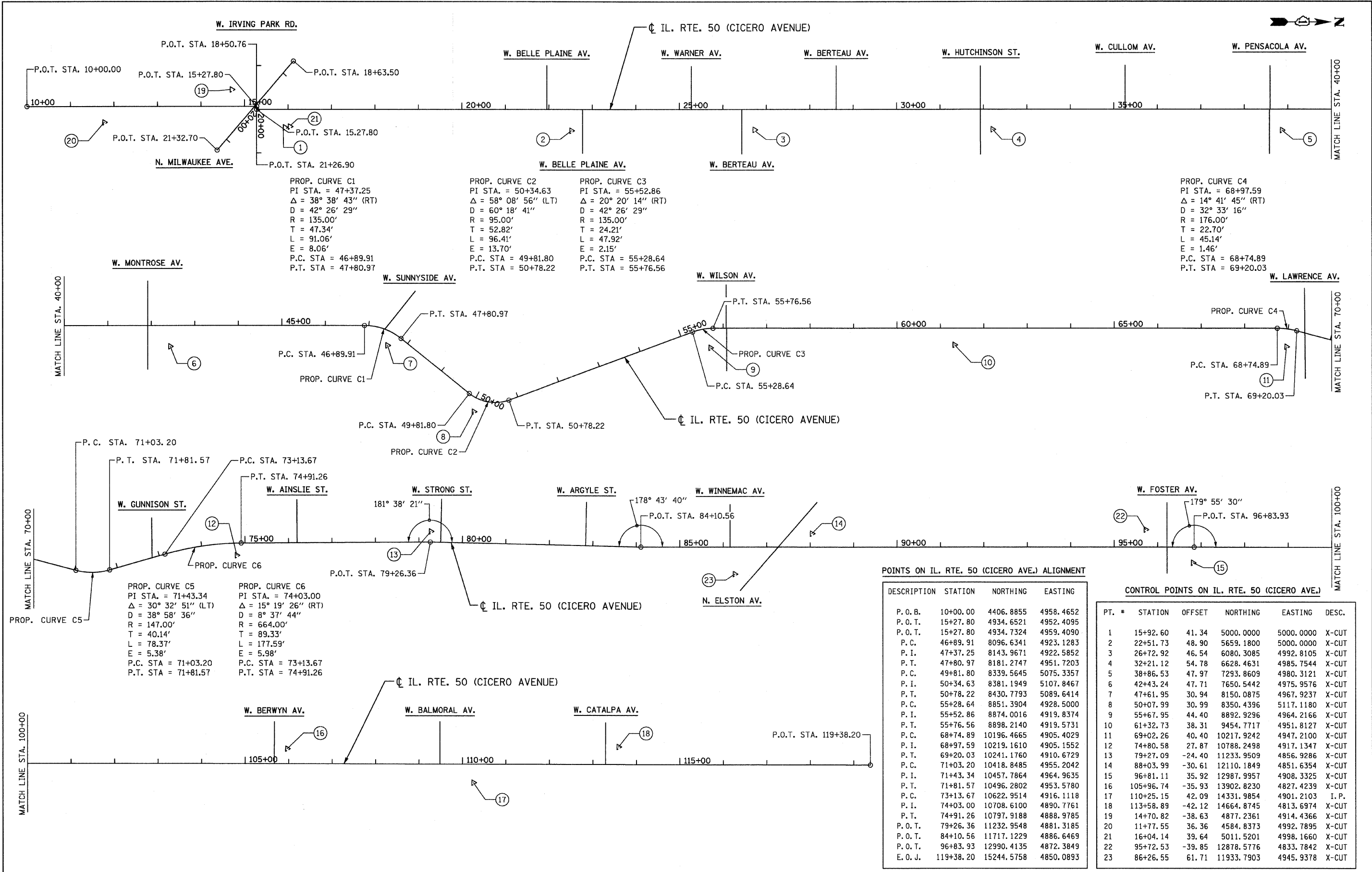
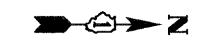
DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. 53+75 TO STA. 118+57

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	5
CONTRACT NO. 60A50			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



POINTS ON IL. RTE. 50 (CICERO AVE.) ALIGNMENT

DESCRIPTION	STATION	NORTHING	EASTING
P. O. B.	10+00.00	4406.8855	4958.4652
P. O. T.	15+27.80	4934.6521	4952.4095
P. O. T.	15+27.80	4934.7324	4959.4090
P. C.	46+89.91	8096.6341	4923.1283
P. I.	47+37.25	8143.9671	4922.5852
P. T.	47+80.97	8181.2747	4951.7203
P. C.	49+81.80	8339.5645	5075.3357
P. I.	50+34.63	8381.1949	5107.8467
P. T.	50+78.22	8430.7793	5089.6414
P. C.	55+28.64	8851.3904	4928.5000
P. I.	55+52.86	8874.0016	4919.8374
P. T.	55+76.56	8898.2140	4919.5731
P. C.	68+74.89	10196.4665	4905.4029
P. I.	68+97.59	10219.1610	4905.1552
P. T.	69+20.03	10241.1760	4910.6729
P. C.	71+03.20	10418.8485	4955.2042
P. I.	71+43.34	10457.7864	4964.9635
P. T.	71+81.57	10496.2802	4953.5780
P. C.	73+13.67	10622.9514	4916.1118
P. I.	74+03.00	10708.6100	4890.7761
P. T.	74+91.26	10797.9188	4888.9785
P. O. T.	79+26.36	11232.9548	4881.3185
P. O. T.	84+10.56	11717.1229	4886.6469
P. O. T.	96+83.93	12990.4135	4872.3849
E. O. J.	119+38.20	15244.5758	4850.0893

CONTROL POINTS ON IL. RTE. 50 (CICERO AVE.)

PT. #	STATION	OFFSET	NORTHING	EASTING	DESC.
1	15+92.60	41.34	5000.0000	5000.0000	X-CUT
2	22+51.73	48.90	5659.1800	5000.0000	X-CUT
3	26+72.92	46.54	6080.3085	4992.8105	X-CUT
4	32+21.12	54.78	6628.4631	4985.7544	X-CUT
5	38+86.53	47.97	7293.8609	4980.3121	X-CUT
6	42+43.24	47.71	7650.5442	4975.9576	X-CUT
7	47+61.95	30.94	8150.0875	4967.9237	X-CUT
8	50+07.99	30.99	8350.4396	5117.1180	X-CUT
9	55+67.95	44.40	8892.9296	4964.2166	X-CUT
10	61+32.73	38.31	9454.7717	4951.8127	X-CUT
11	69+02.26	40.40	10217.9242	4947.2100	X-CUT
12	74+80.58	27.87	10788.2498	4917.1347	X-CUT
13	79+27.09	-24.40	11233.9509	4856.9286	X-CUT
14	88+03.99	-30.61	12110.1849	4851.6354	X-CUT
15	96+81.11	35.92	12987.9957	4908.3325	X-CUT
16	105+96.74	-35.93	13902.8230	4827.4239	X-CUT
17	110+25.15	42.09	14331.9854	4901.2103	I. P.
18	113+58.89	-42.12	14664.8745	4813.6974	X-CUT
19	14+70.82	-38.63	4877.2361	4914.4366	X-CUT
20	11+77.55	36.36	4584.8373	4992.7895	X-CUT
21	16+04.14	39.64	5011.5201	4998.1660	X-CUT
22	95+72.53	-39.85	12878.5776	4833.7842	X-CUT
23	86+26.55	61.71	11933.7903	4945.9378	X-CUT

FILE NAME = D162450-shr-ATB.dgn
PLOT DATE = 1/8/2009

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

DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

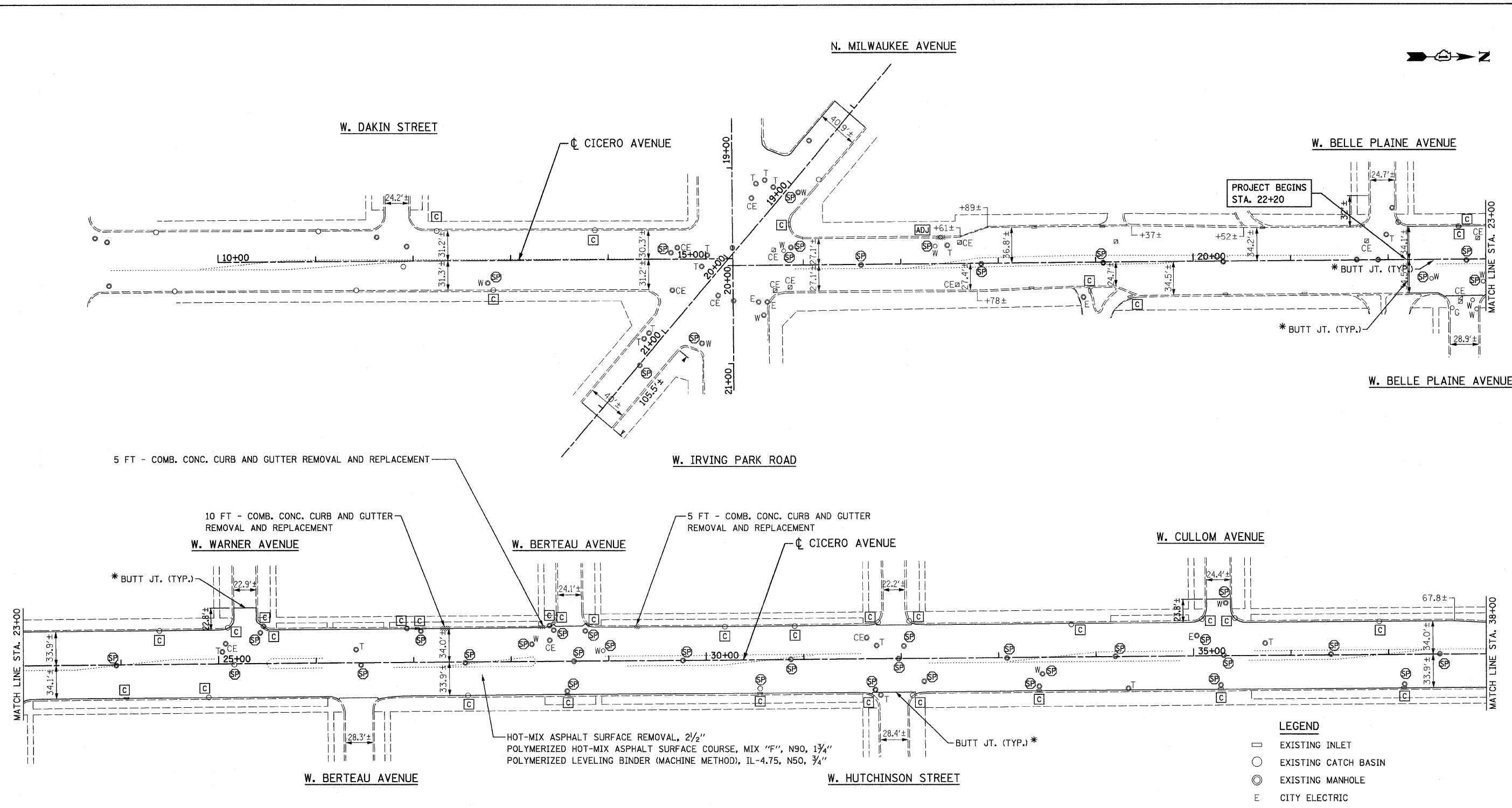
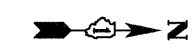
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.
SCALE: 1" = 100'
SHEET NO. 1 OF 1 SHEETS
STA. 12+17 TO STA. 118+57

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	6

CONTRACT NO. 60A50
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



- LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - ⊙ EXISTING MANHOLE
 - E CITY ELECTRIC
 - W CITY WATER
 - CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
 - T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
 - MWRD METROPOLITAN WATER RECLAMATION DISTRICT (ADJUSTMENTS PERFORMED BY OTHERS)
 - G GAS
 - ⊕ SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
 - C DRAINAGE STRUCTURES TO BE CLEANED
 - ⊕ ADJ FRAMES AND LIDS TO BE ADJUSTED
 - ⊕ REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED

* SHALL BE PAID FOR AS "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT"

FILE NAME = D160450-pla01.dgn
PLOT DATE = 1/8/2009

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

DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

REVISED -
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.**

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 10+00 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	7
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60A50	

W. MONTROSE AVENUE

46.1' BUTT JT. (TYP.)*

N. LA CROSSE AVENUE

W. PENSACOLA AVENUE

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

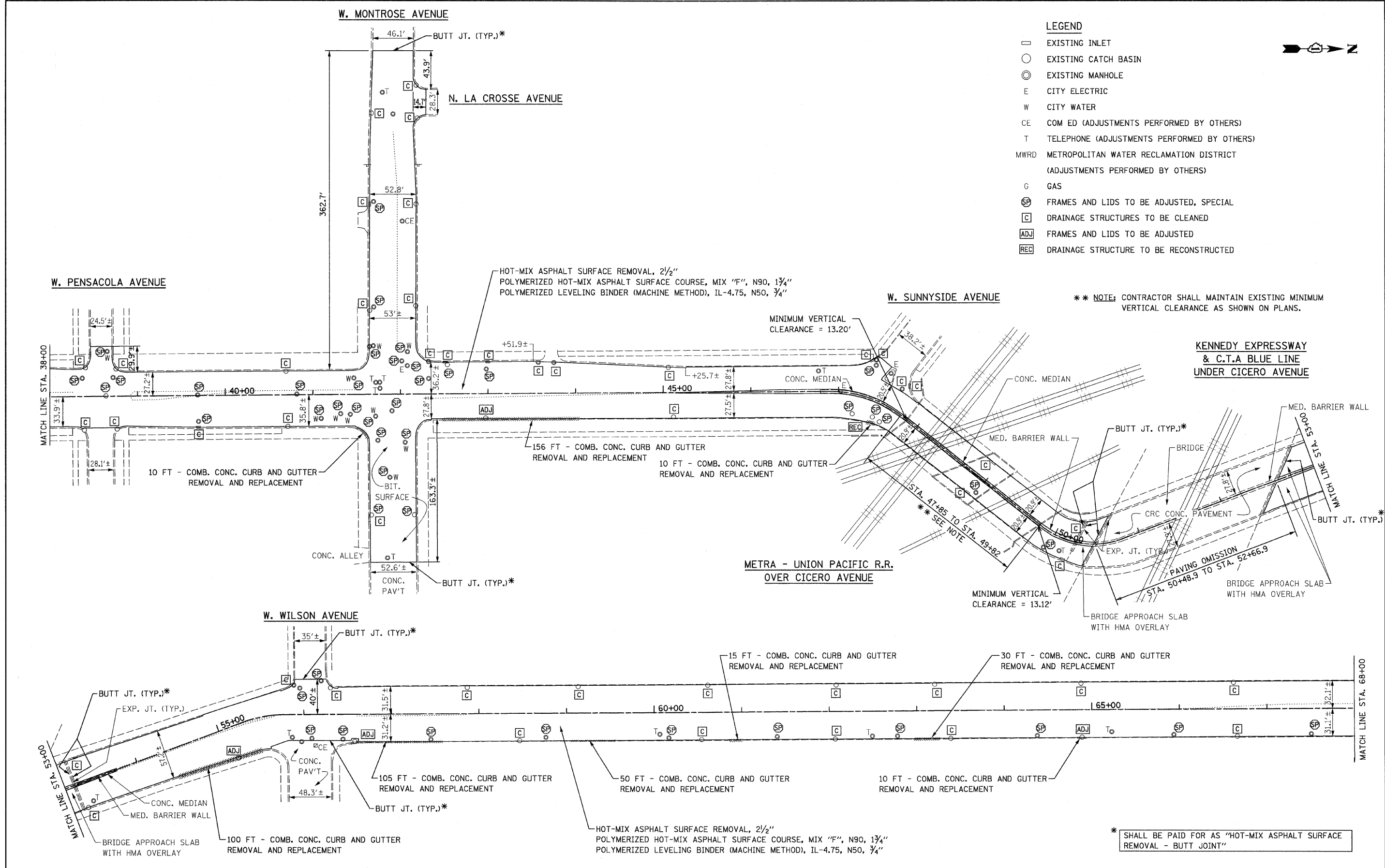
W. SUNNYSIDE AVENUE

** NOTE: CONTRACTOR SHALL MAINTAIN EXISTING MINIMUM VERTICAL CLEARANCE AS SHOWN ON PLANS.

KENNEDY EXPRESSWAY
& C.T.A BLUE LINE
UNDER CICERO AVENUE

METRA - UNION PACIFIC R.R.
OVER CICERO AVENUE

W. WILSON AVENUE



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- E CITY ELECTRIC
- W CITY WATER
- CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- MWRD METROPOLITAN WATER RECLAMATION DISTRICT (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS
- SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- C DRAINAGE STRUCTURES TO BE CLEANED
- ADJ FRAMES AND LIDS TO BE ADJUSTED
- REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED



FILE NAME = 0160A50-plan02.dgn
PLOT DATE = 1/8/2009

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

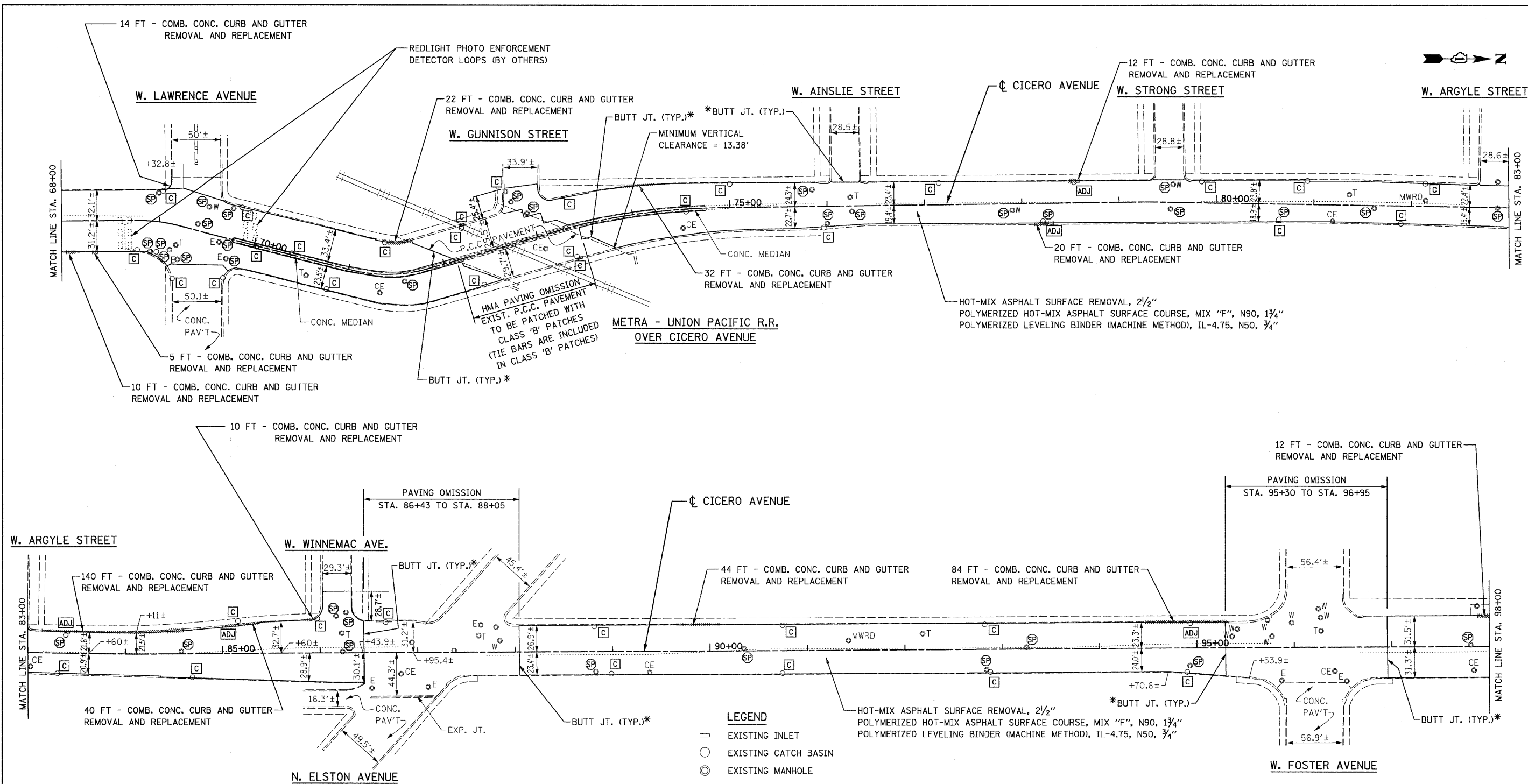
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DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 1, 2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 38+00 TO STA. 68+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60A50	



- LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - ⊙ EXISTING MANHOLE
 - E CITY ELECTRIC
 - W CITY WATER
 - CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
 - T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
 - MWRD METROPOLITAN WATER RECLAMATION DISTRICT (ADJUSTMENTS PERFORMED BY OTHERS)
 - G GAS
 - SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
 - C DRAINAGE STRUCTURES TO BE CLEANED
 - ADJ FRAMES AND LIDS TO BE ADJUSTED
 - REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED

* SHALL BE PAID FOR AS "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT"

FILE NAME = D160A50-plen03.dgn
PLOT DATE = 1/8/2009

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

DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

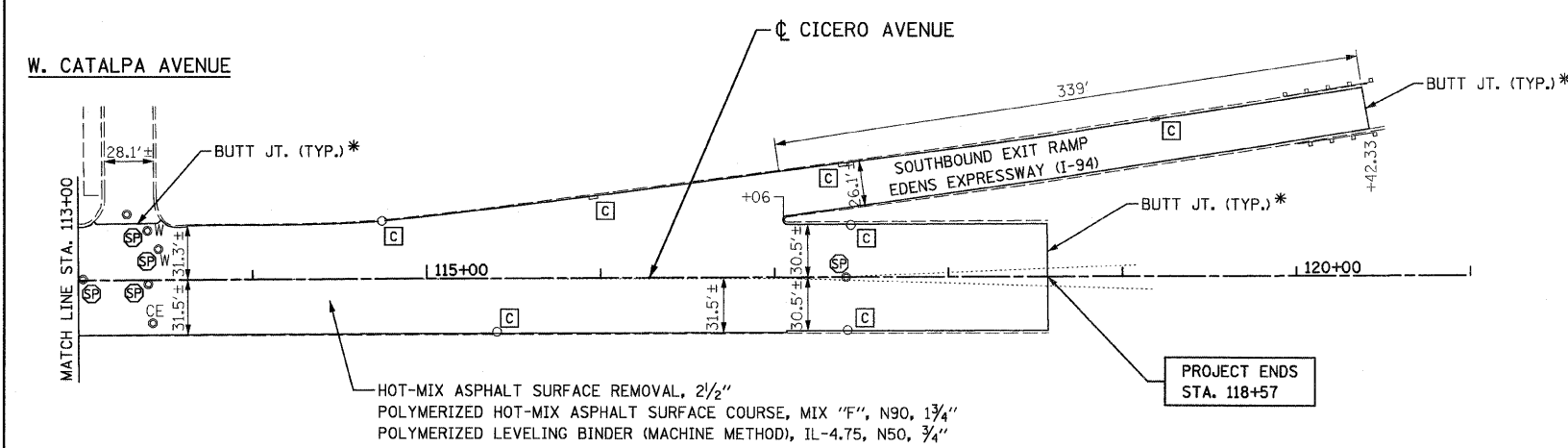
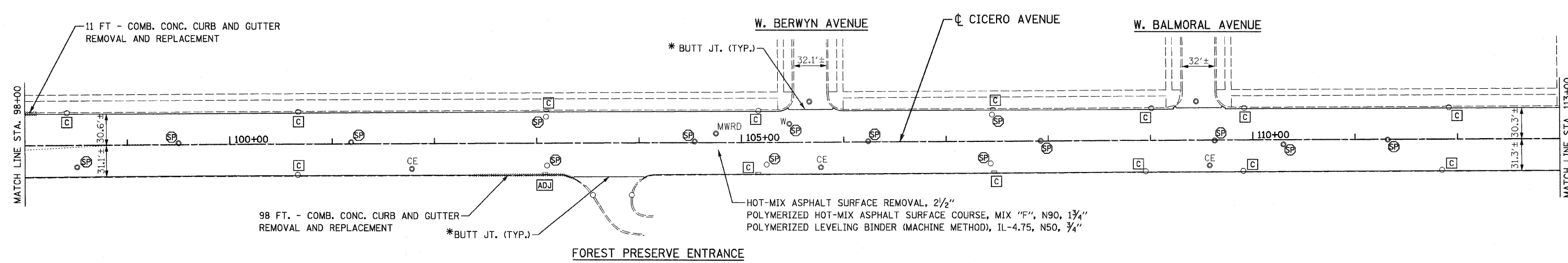
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	9
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60A50	

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 68+00 TO STA. 98+00



- LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - ⊙ EXISTING MANHOLE
 - E CITY ELECTRIC
 - W CITY WATER
 - CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
 - T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
 - MWRD METROPOLITAN WATER RECLAMATION DISTRICT (ADJUSTMENTS PERFORMED BY OTHERS)
 - G GAS
 - SP FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
 - C DRAINAGE STRUCTURES TO BE CLEANED
 - ADJ FRAMES AND LIDS TO BE ADJUSTED
 - REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED

* SHALL BE PAID FOR AS "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT"

FILE NAME = D168A50-p1en04.dgn
PLOT DATE = 1/8/2009

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

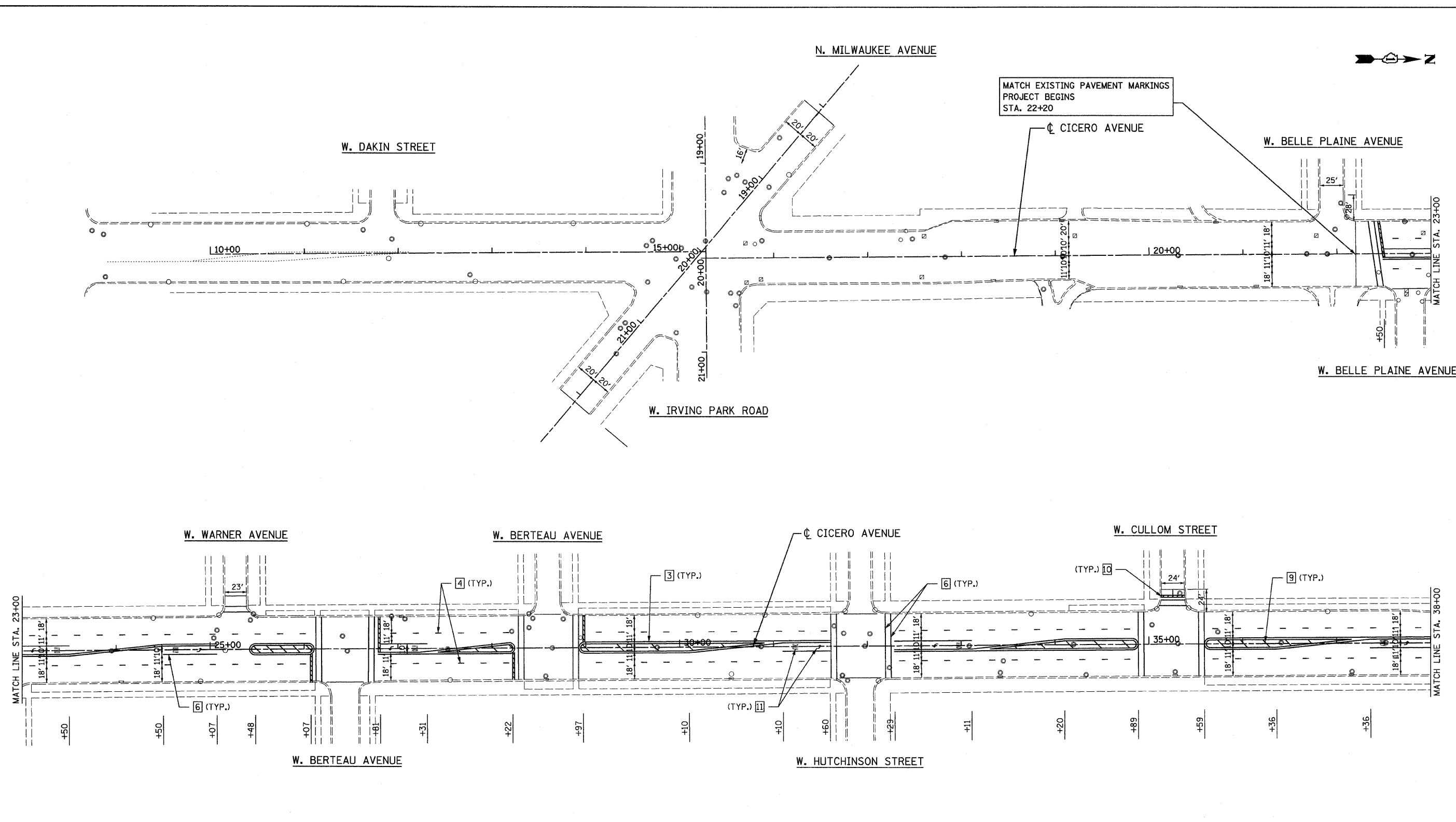
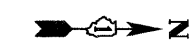
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DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 1, 2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.**

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 98+00 TO STA. 119+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	10
CONTRACT NO. 60A50			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



NOTE:

1. FOR CROSSWALK DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS ON SHEET NO. 28.

LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 6' DASH, 18' SKIP)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)

- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)

- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
- 12 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
- 13 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (YELLOW SOLID LINE)
- 14 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
- 15 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE SOLID LINE)

FILE NAME = D162A50-pm01.dgn
PLOT DATE = 1/8/2009

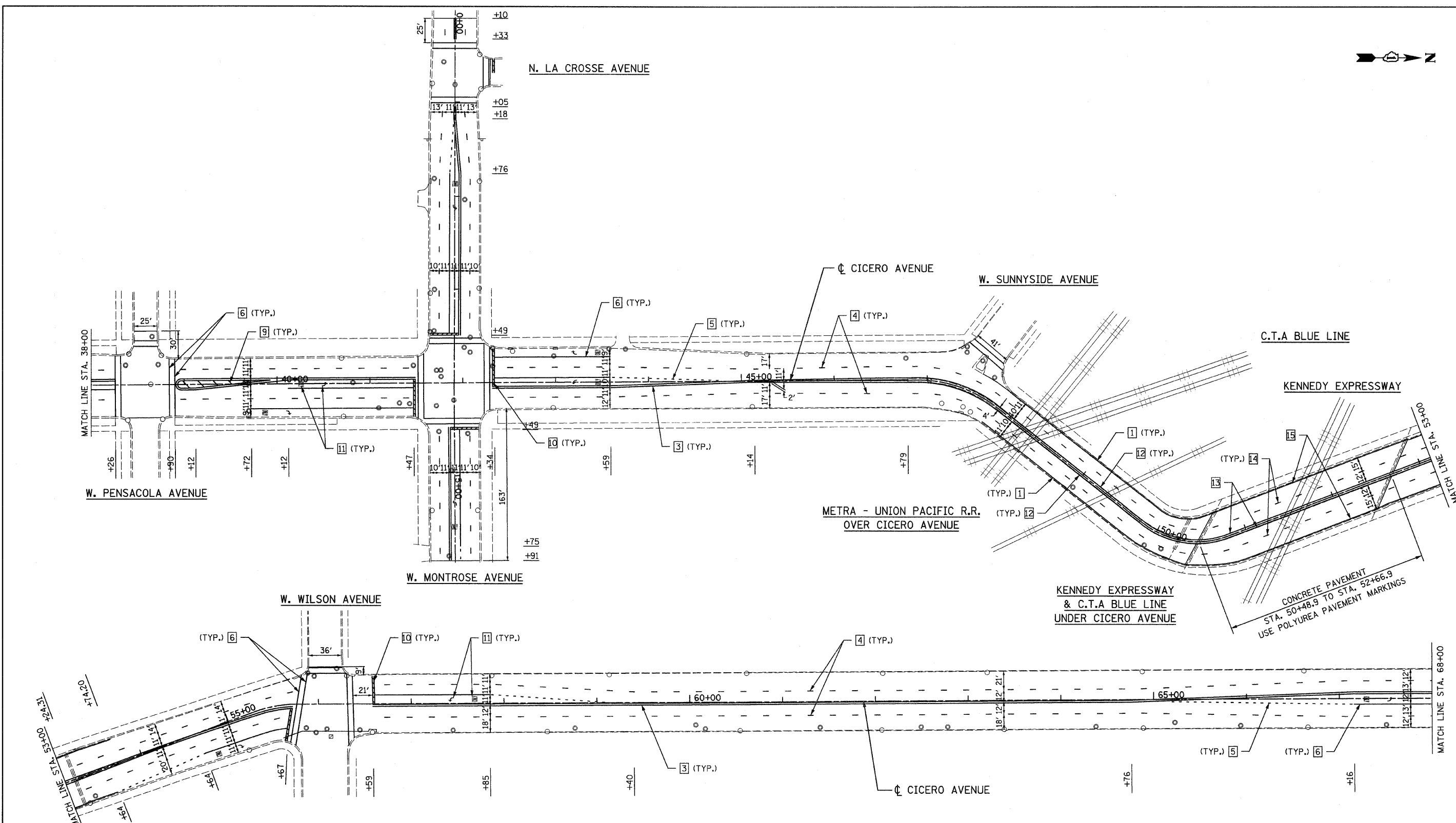
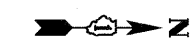
CHRISTIAN-ROSE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 1, 2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.
SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 10+00 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	11
CONTRACT NO. 60A50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:

1. FOR CROSSWALK DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS ON SHEET NO. 28.

LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 6' DASH, 18' SKIP)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)

- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)

- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
- 12 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
- 13 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (YELLOW SOLID LINE)
- 14 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
- 15 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE SOLID LINE)

FILE NAME = D160A58-pm02.dgn
PLOT DATE = 1/9/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-8274

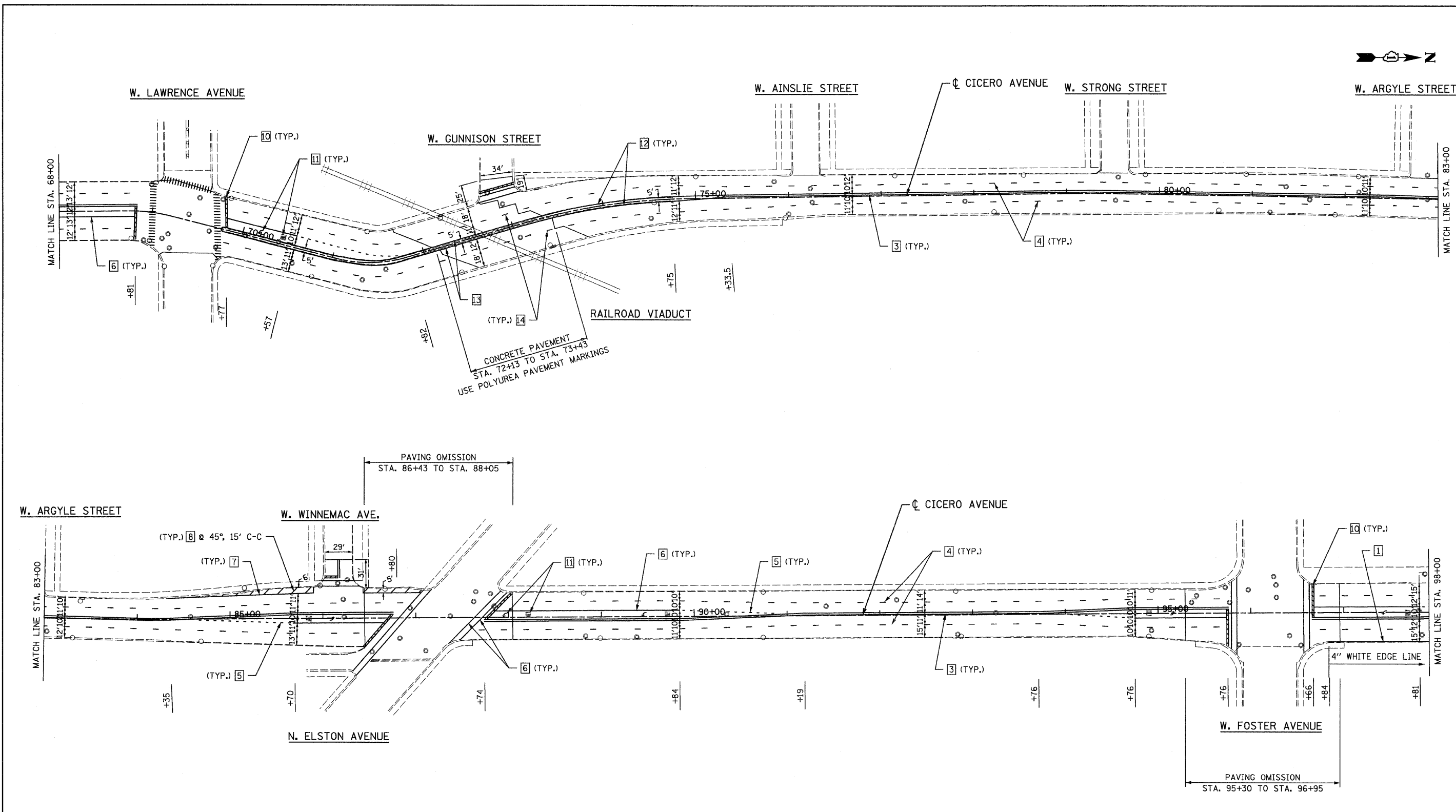
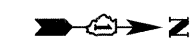
DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 1, 2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.**

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 38+00 TO STA. 68+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	12
CONTRACT NO. 60A50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONCRETE PAVEMENT
STA. 72+13 TO STA. 73+43
USE POLYUREA PAVEMENT MARKINGS

NOTE:
1. FOR CROSSWALK DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS ON SHEET NO. 28.

- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
 - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 6' DASH, 18' SKIP)
 - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)
 - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
 - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
 - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
 - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
 - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
 - 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
 - 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
 - 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
 - 12 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
 - 13 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (YELLOW SOLID LINE)
 - 14 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)
 - 15 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE SOLID LINE)

FILE NAME = D160A58-pm03.dgn
PLOT DATE = 1/8/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
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211 WEST WACKER DRIVE
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PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - D.L.
DRAWN - B.K.
CHECKED - M.P.
DATE - DECEMBER 1, 2008

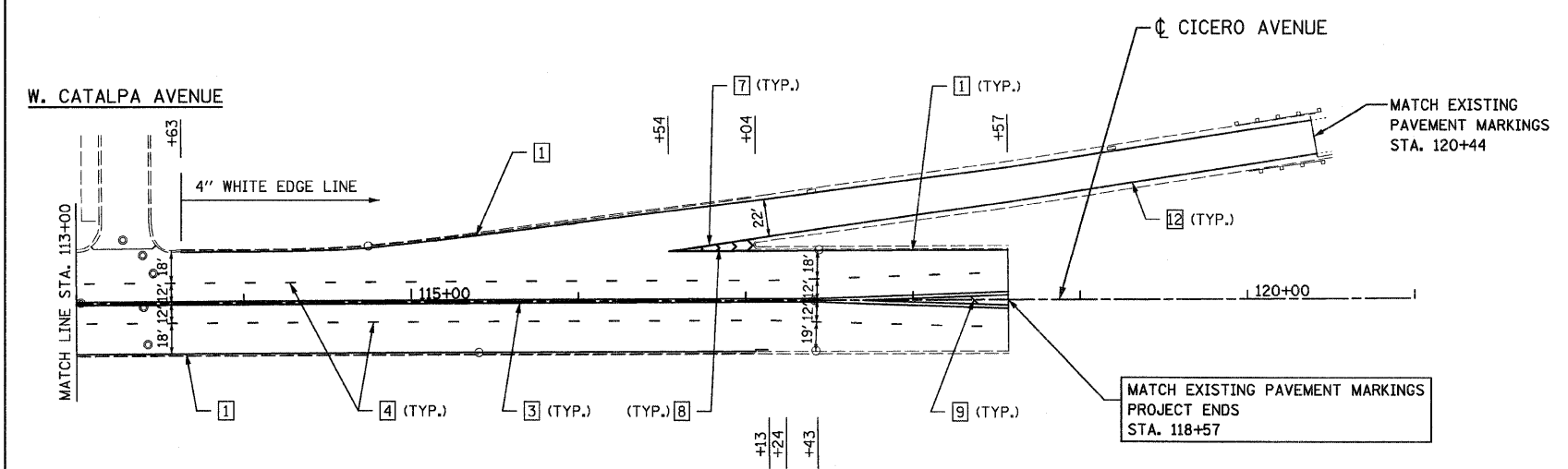
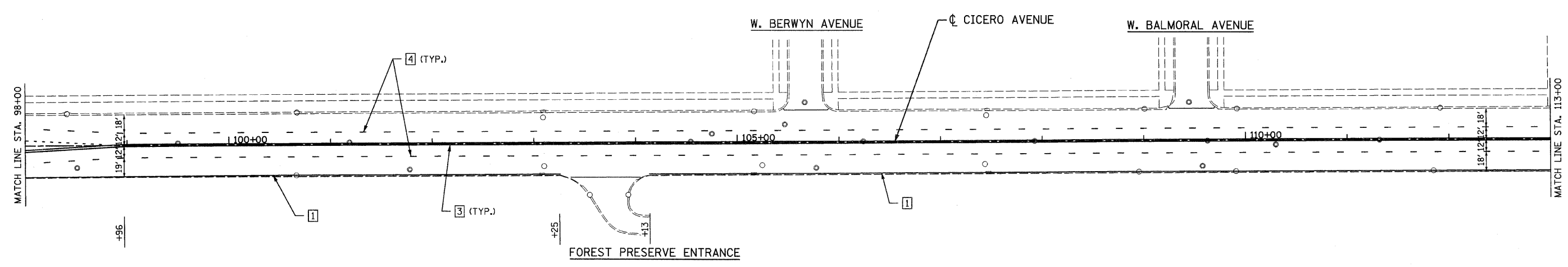
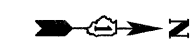
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 68+00 TO STA. 98+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	13
CONTRACT NO. 60A50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:

1. FOR CROSSWALK DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS ON SHEET NO. 28.

LEGEND

- | | | |
|--|--|--|
| <p>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)</p> <p>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 6' DASH, 18' SKIP)</p> <p>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)</p> | <p>4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)</p> <p>5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</p> <p>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</p> <p>7 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)</p> <p>8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)</p> <p>9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</p> | <p>10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)</p> <p>11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)</p> <p>12 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</p> <p>13 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (YELLOW SOLID LINE)</p> <p>14 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE LANE LINE - 6' DASH, 18' SKIP)</p> <p>15 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE SOLID LINE)</p> |
|--|--|--|

FILE NAME = D168A58-pm04.dgn
PLOT DATE = 1/8/2009

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

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 1, 2008	REVISED -

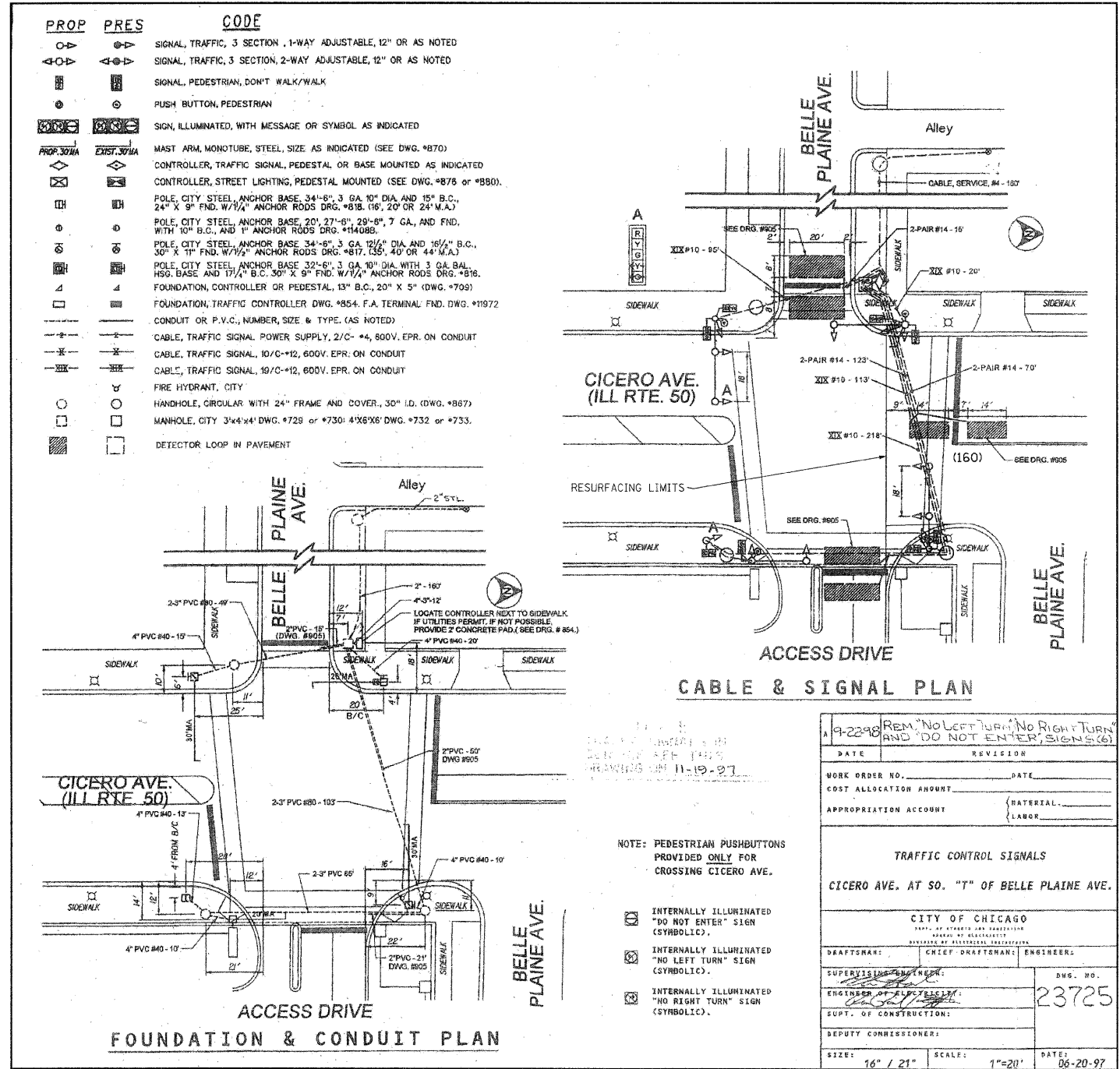
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL. RTE. 50 (CICERO AVENUE) SOUTH OF IL. RTE. 19 TO EDENS EXPY.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	14
CONTRACT NO. 60A50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 98+00 TO STA. 119+00

NOTE:
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

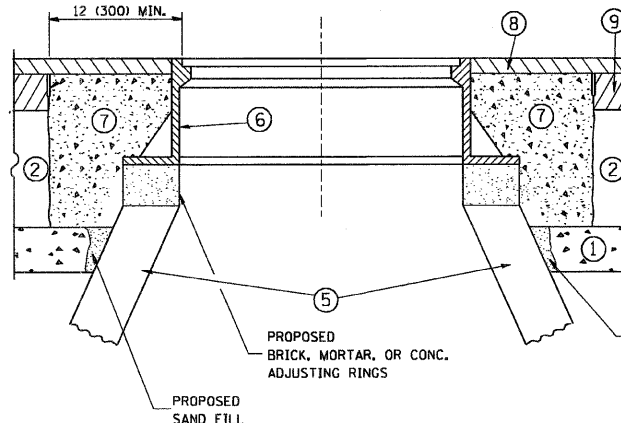
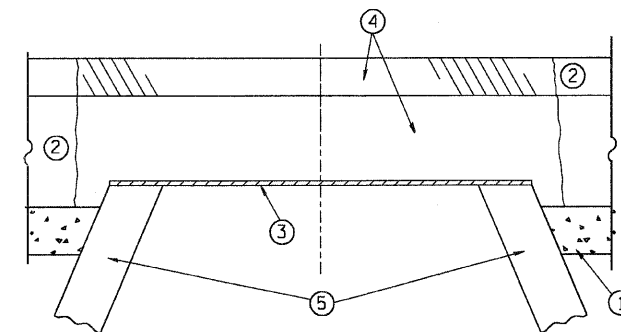


NOTE: THE BUREAU OF ELECTRICITY HAS VEHICLE DETECTORS AT THE INTERSECTION OF CICERO AND BELLE PLAINE. CALL BRUCE SPYCHALA AT (312) 746-5048, 48 HOURS IN ADVANCE OF DETECTOR REMOVAL AND REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
85000200	160	FOOT	DETECTOR LOOP REPLACEMENT



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.

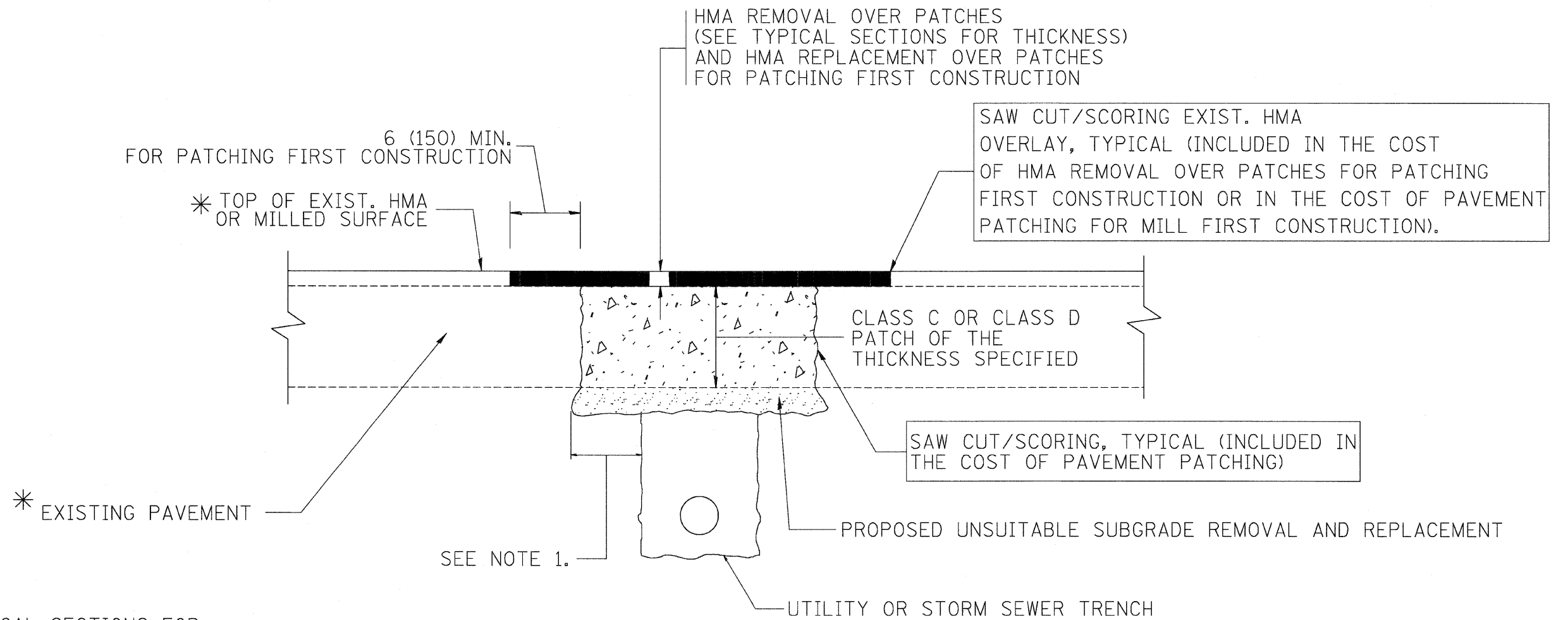
WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\bd88.dgn	USER NAME = geglenobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97			350	2005-060 RS	COOK	30	16	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - R. WIEDEMAN 05-14-04			BD600-03 (BD-8)		CONTRACT NO. 60A50			
		DATE - 10-25-94	REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 12+17 TO STA. 118+57



* 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)

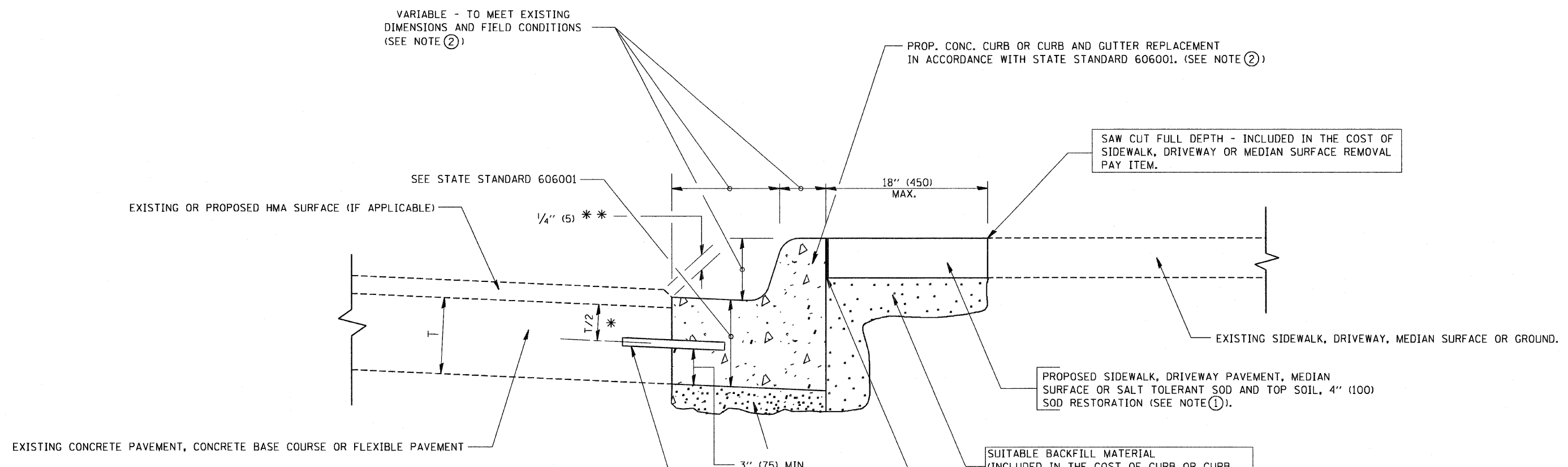
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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\dststd22x34\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		350	2005-060 RS	COOK	30	17		
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA. 12+17	TO STA. 118+57	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)		CONTRACT NO. 60A50				



* 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.

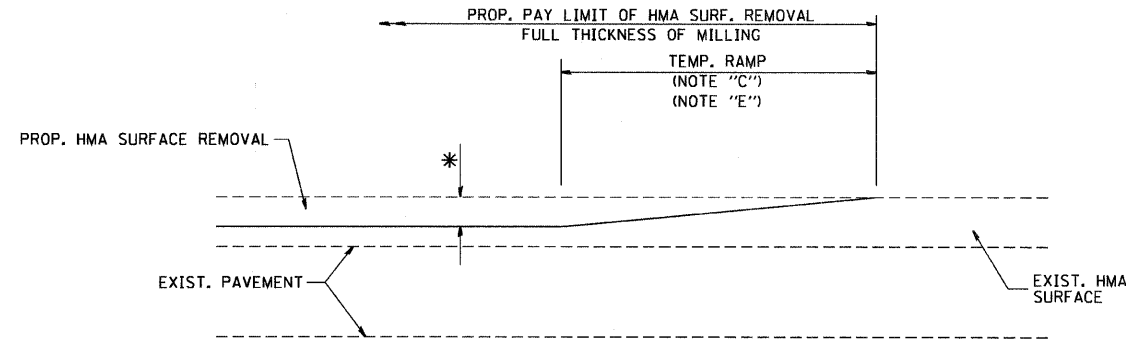
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB 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.

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

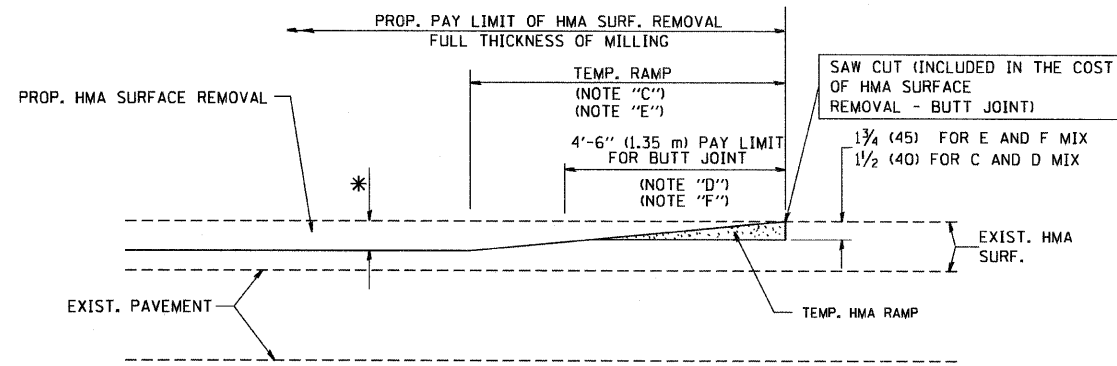
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 5/8" = 1' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97				BD600-06 (BD-24)	CONTRACT NO. 60A50		
	PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 12+17	TO STA. 118+57	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



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

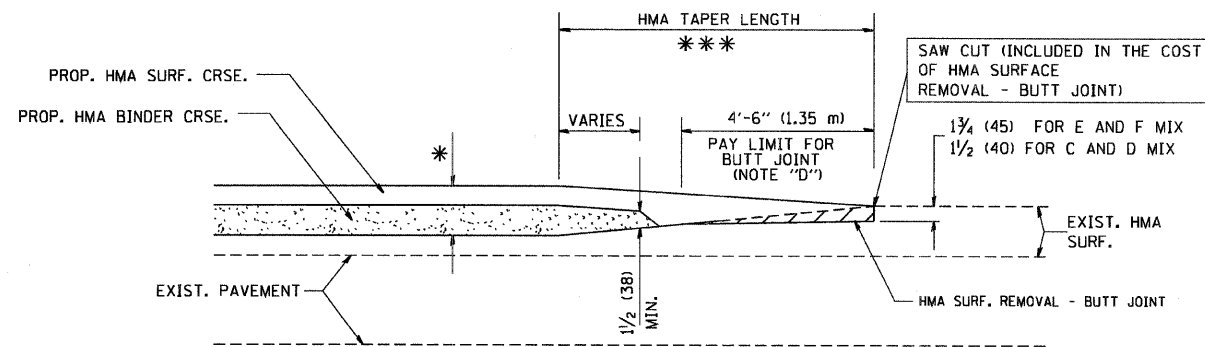
OPTION 1



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

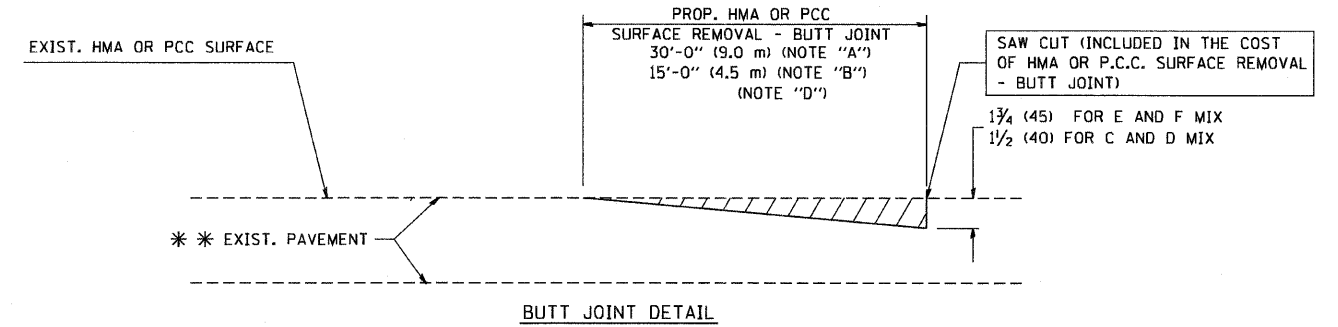
OPTION 2

TYPICAL TEMPORARY RAMP

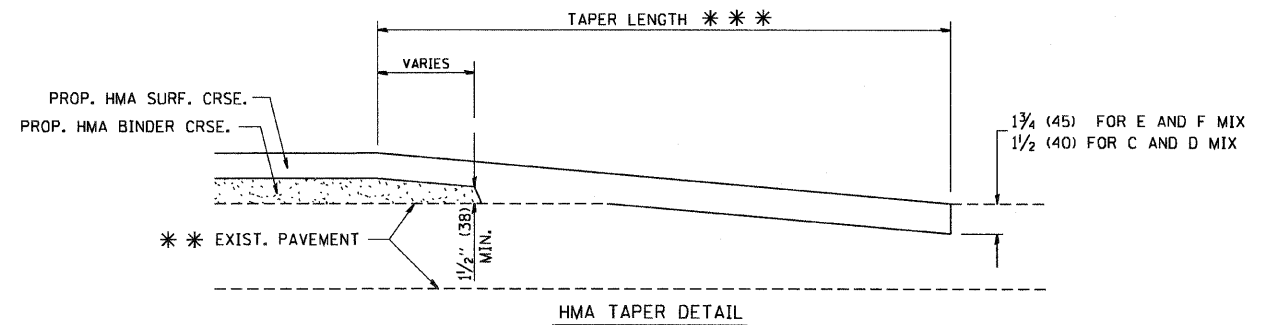


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

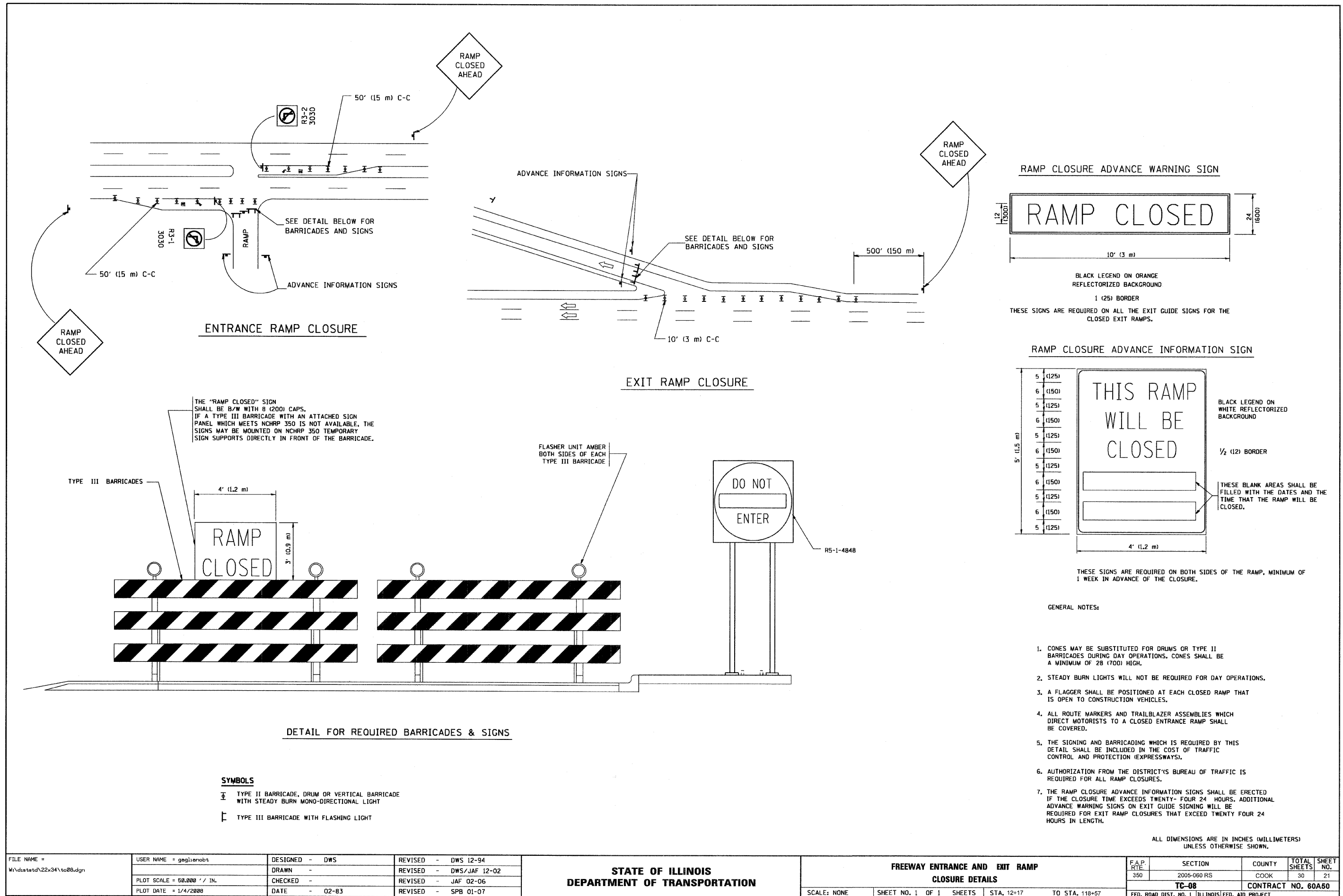
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	PLOT SCALE = 50.0000 / 1 IN.	DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

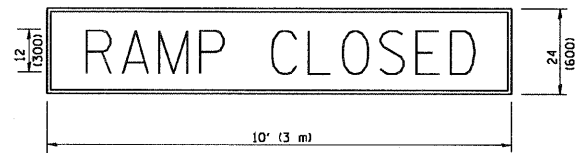
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 12+17 TO STA. 118+57

F.A.P. RTE. 350	SECTION 2005-060 RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 19
BD400-05 BD32		CONTRACT NO. 60A50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

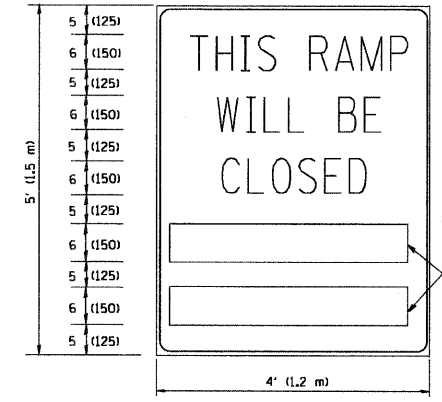


RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND
1/2 (12) BORDER
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.

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

ENTRANCE RAMP CLOSURE

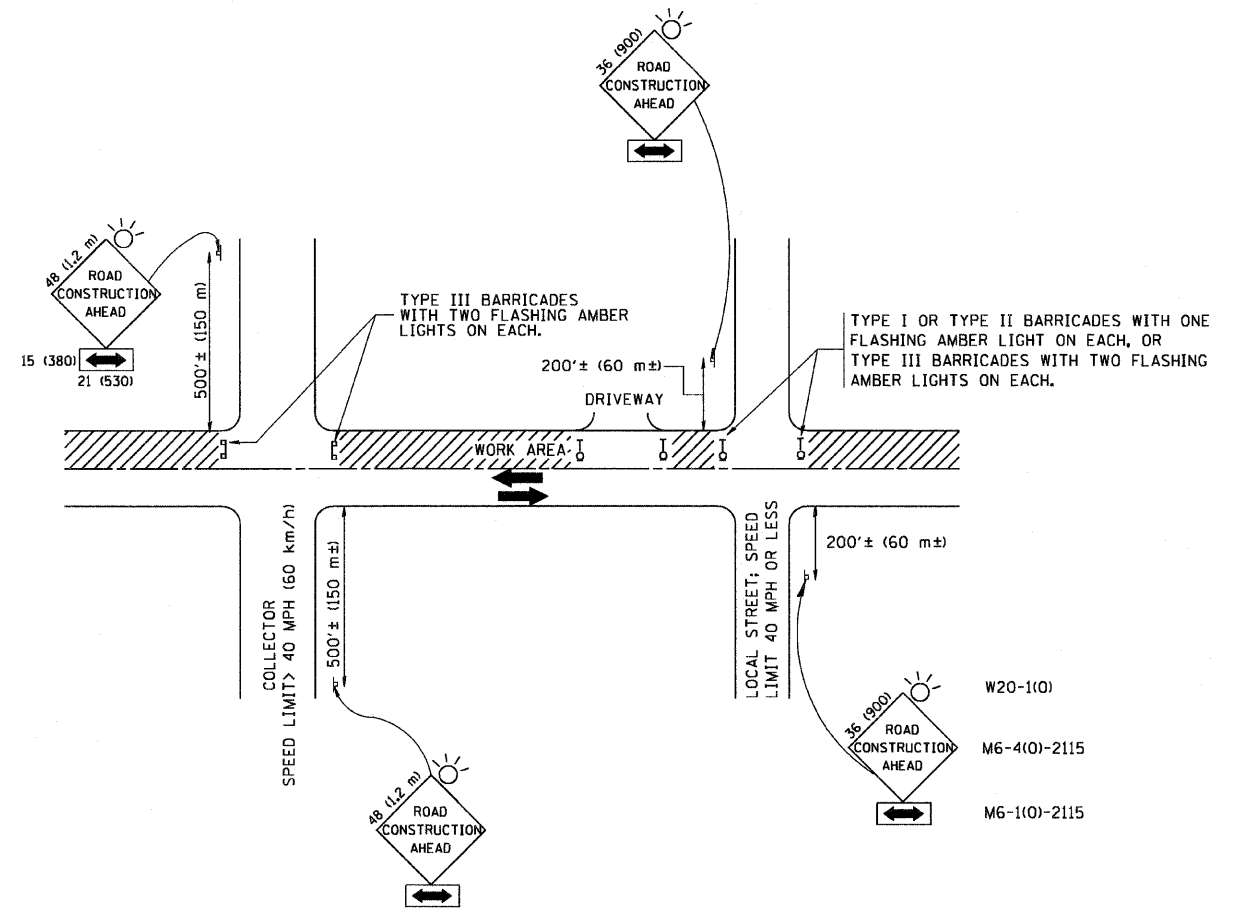
EXIT RAMP CLOSURE

DETAIL FOR REQUIRED BARRICADES & SIGNS

SYMBOLS

- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT

FILE NAME = W:\dstatd\22x34\to88.dgn	USER NAME = geglienobt	DESIGNED - DWS	REVISED - DWS 12-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS		F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.		
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - DWS/JAF 12-02				350 2005-060 RS COOK 30 21		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - JAF 02-06				TC-08		CONTRACT NO. 60A50
		DATE - 02-83	REVISED - SPB 01-07				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 12+17 TO STA. 118+57		



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.

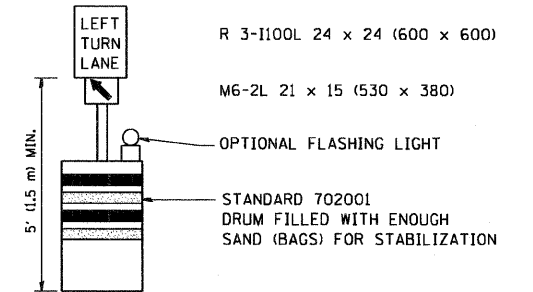
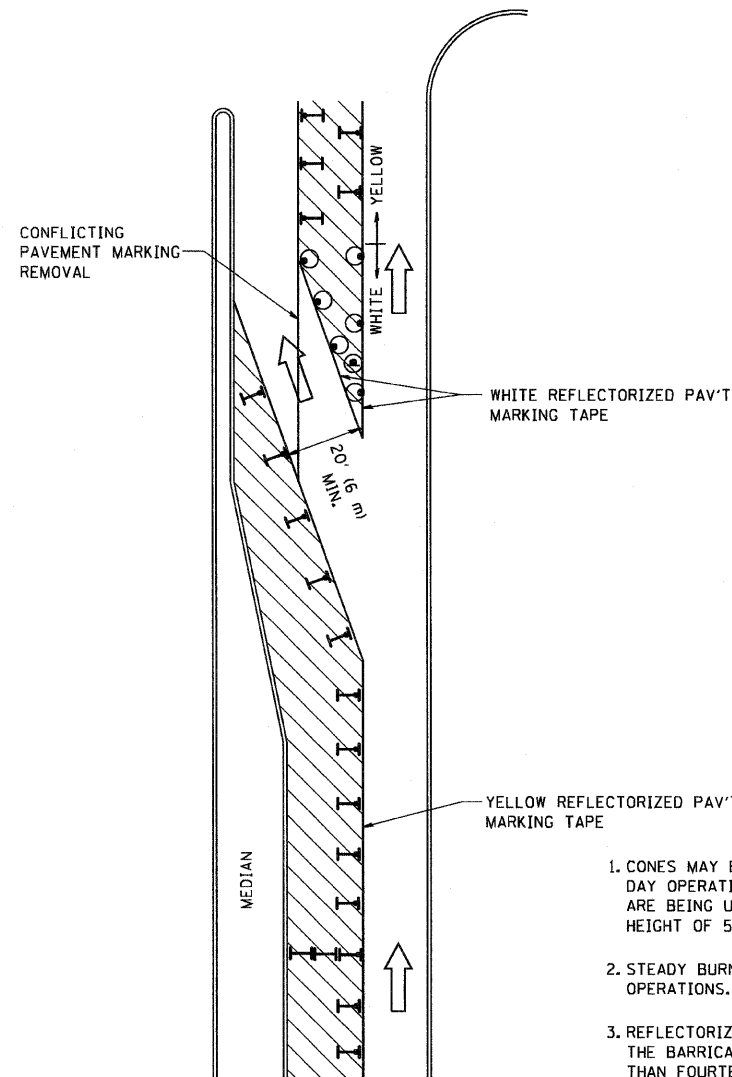
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

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. 12+17 TO STA. 118+57

F.A.P. RTE. 350	SECTION 2005-060 RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 22
TC-10			CONTRACT NO. 60A50	
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

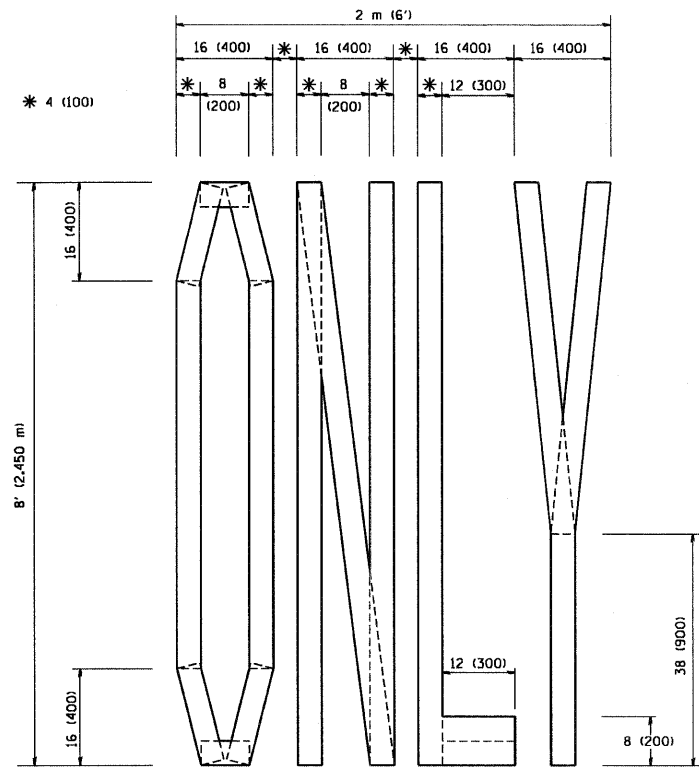
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		DRAWN -	REVISED - A. HOUSEH 11-07-95
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-12-96
	PLOT DATE = 1/4/2000	DATE -	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

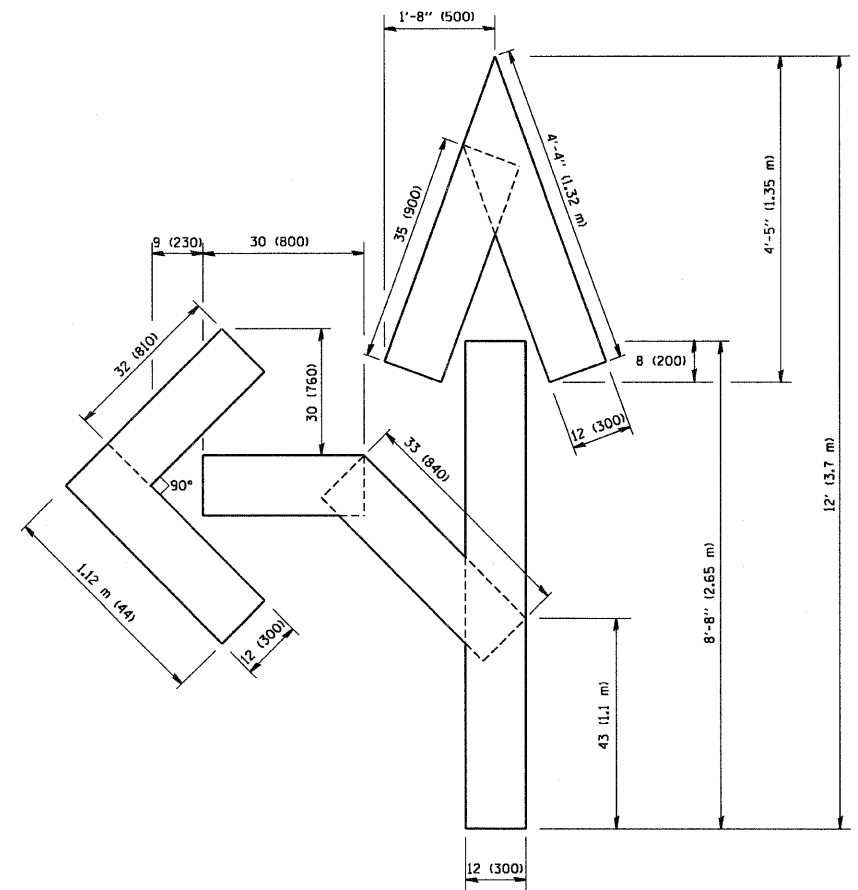
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 12+17 TO STA. 118+57

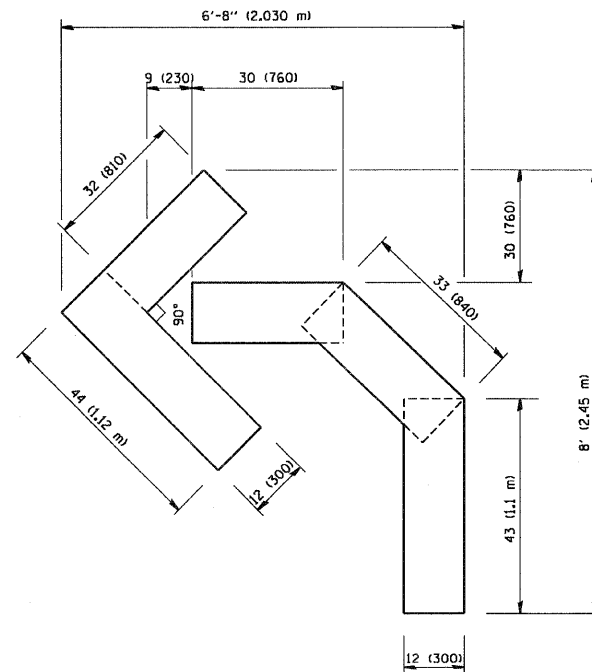
F.A.P. RTE. 350	SECTION 2005-060 RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 25
TC-14			CONTRACT NO. 60A50	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



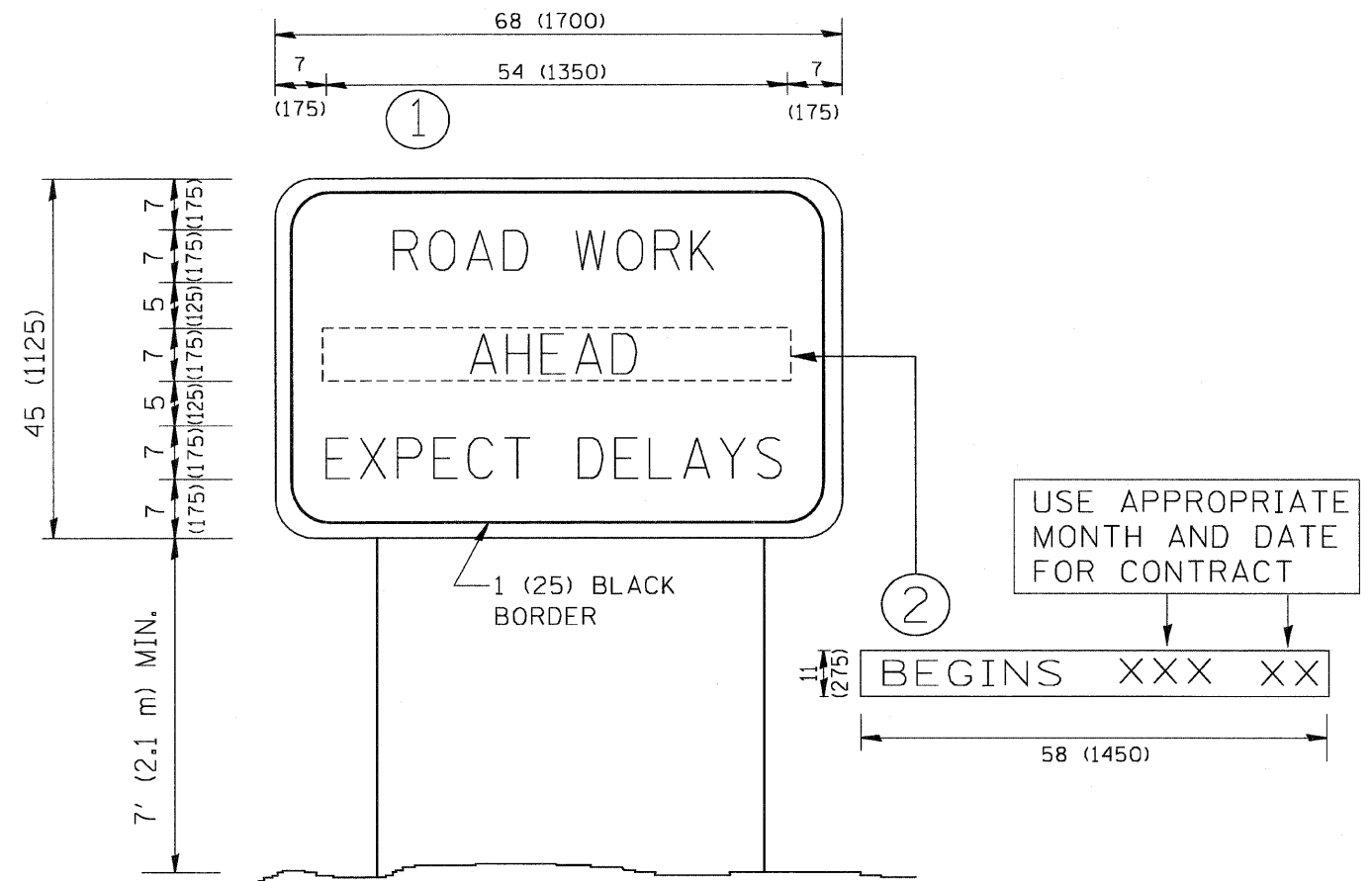
QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



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:\distd\22x34\tbl6.dgn	USER NAME = geglennob	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 11-04-97				350	2005-060 RS	COOK	30	26
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -T. RAMMACHER 03-02-98				TC-16		CONTRACT NO. 60A50		
		REVISED -E. GOMEZ 08-28-00	SCALE: NONE				SHEET NO. 1 OF 1 SHEETS	STA. 12+17	TO STA. 118+57	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

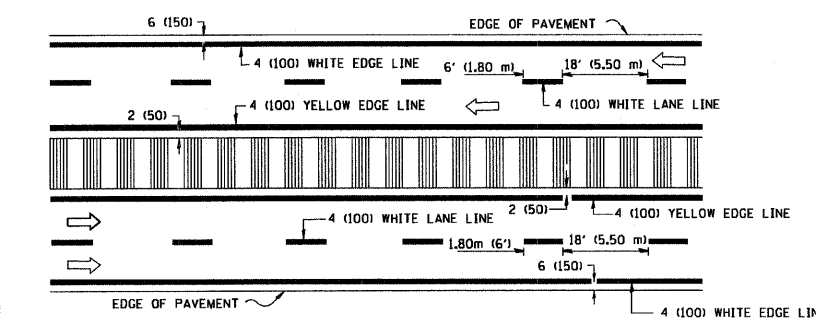
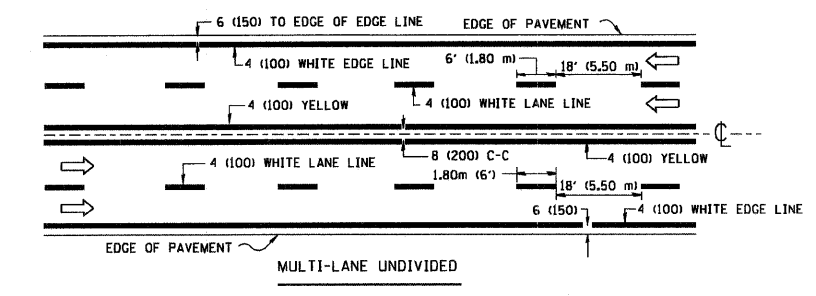
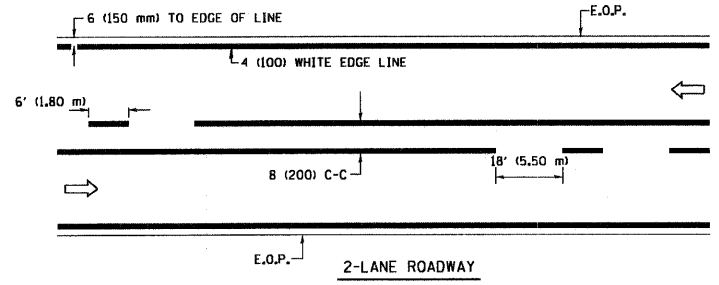


NOTES:

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.

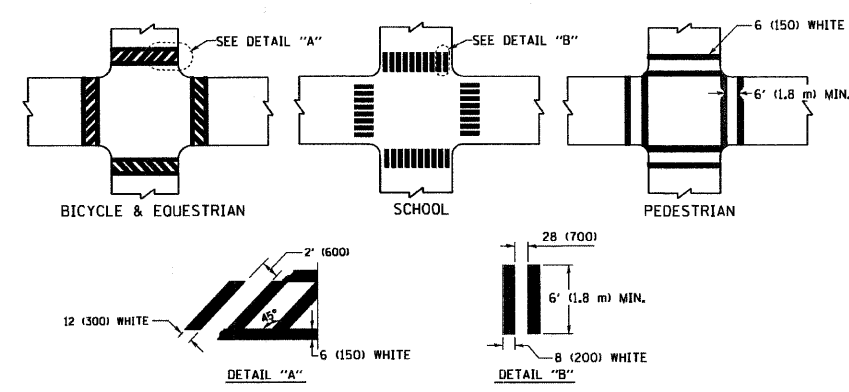
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. MIRS 12-11-97	TC-22			CONTRACT NO. 60A50				
PLOT DATE = 1/4/2006	DATE -	REVISED - T. RAMMACHER 02-02-99	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							
		REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. 12+17 TO STA. 118+57			

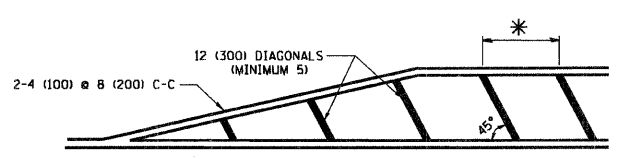


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

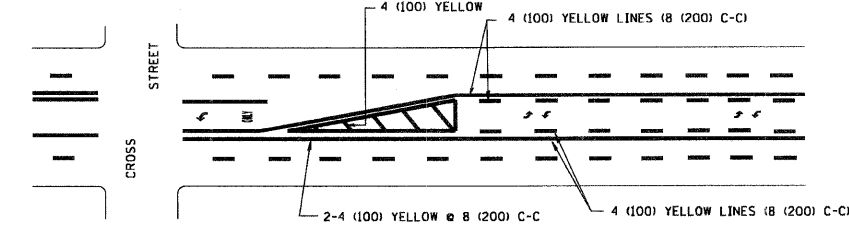


TYPICAL CROSSWALK MARKING

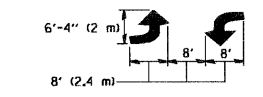


* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

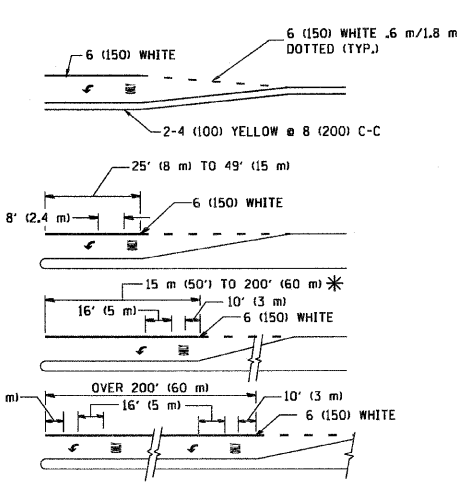


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

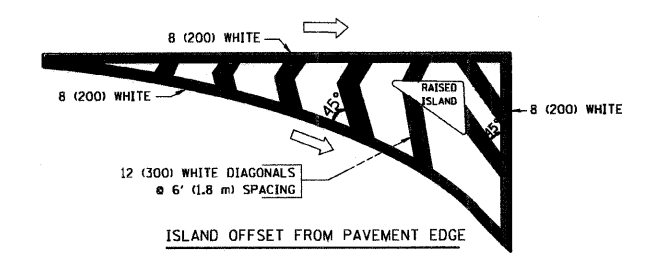
TYPICAL PAINTED MEDIAN MARKING



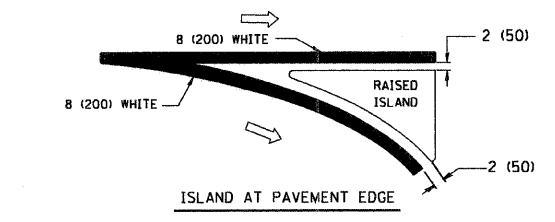
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



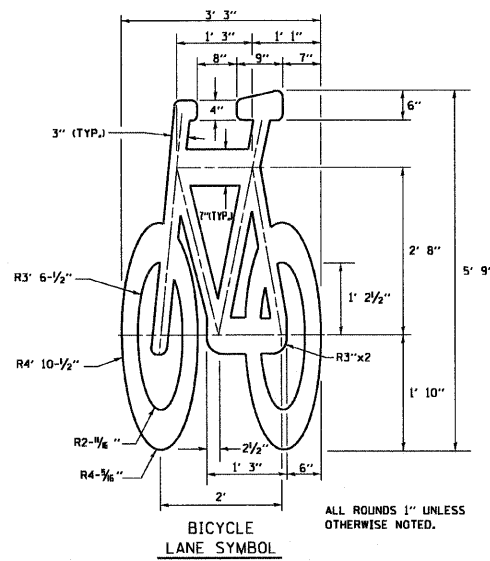
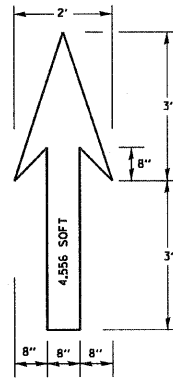
ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) 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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) 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° 8 (200) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"-54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

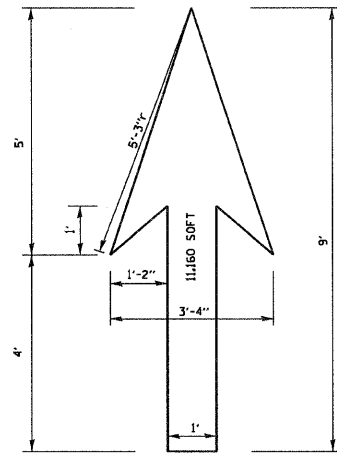


NOTE:

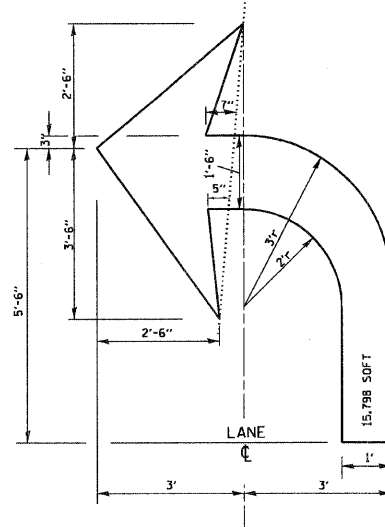
- 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28

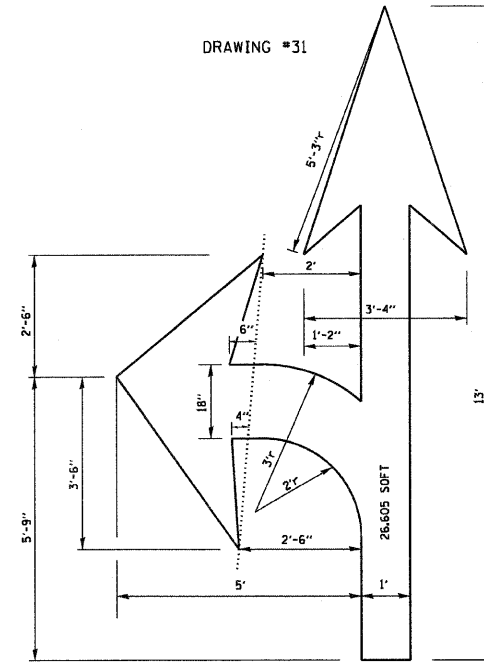
DRAWING #29



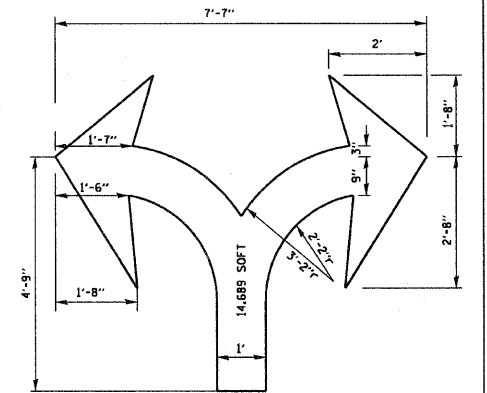
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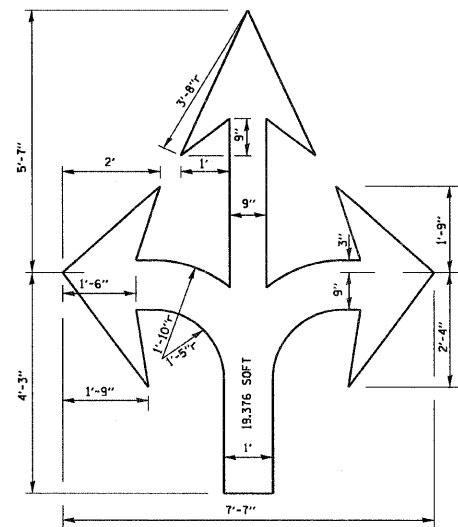
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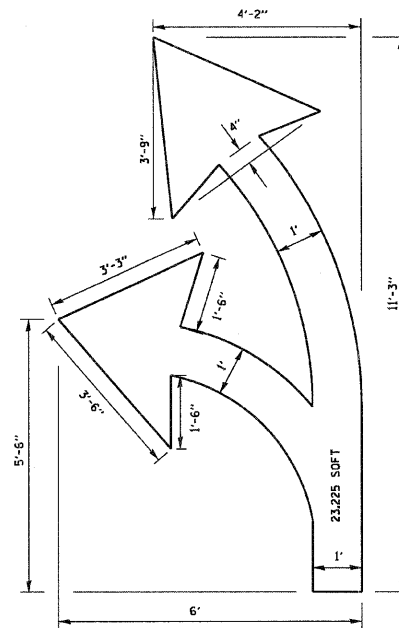
DRAWING #32



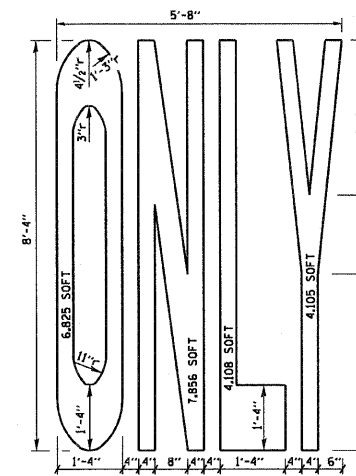
DRAWING #33



DRAWING #34



DRAWING #35



NOTE: ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

FILE NAME = W:\disto\td\22x34\to24.dgn

USER NAME = gegl1enobt
PLOT SCALE = 50.000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - T. RAMMACHER 12-07-00
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. 12+17 TO STA. 118+57

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2005-060 RS	COOK	30	29
TC-24			CONTRACT NO. 60A50	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

