

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033 RS	COOK	23	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60K86	

D-91-611-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
F.A.U. 1453: CERMAK ROAD
HALSTED STREET TO MCCORMICK SQUARE
SECTION: 2010-033 RS
RESURFACING (3P)
PROJECT: M-1453(012)
COOK COUNTY
C-91-611-10

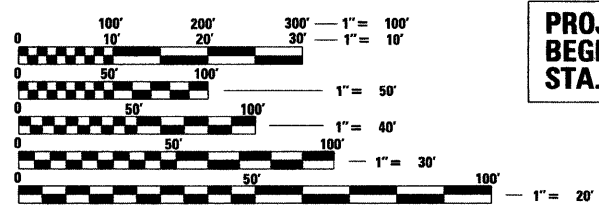


LOCATION OF SECTION INDICATED THUS: —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE CITY CHICAGO

TRAFFIC DATA
CERMAK ROAD
 2009 ADT=14,200
 SPEED LIMIT=30 MPH



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

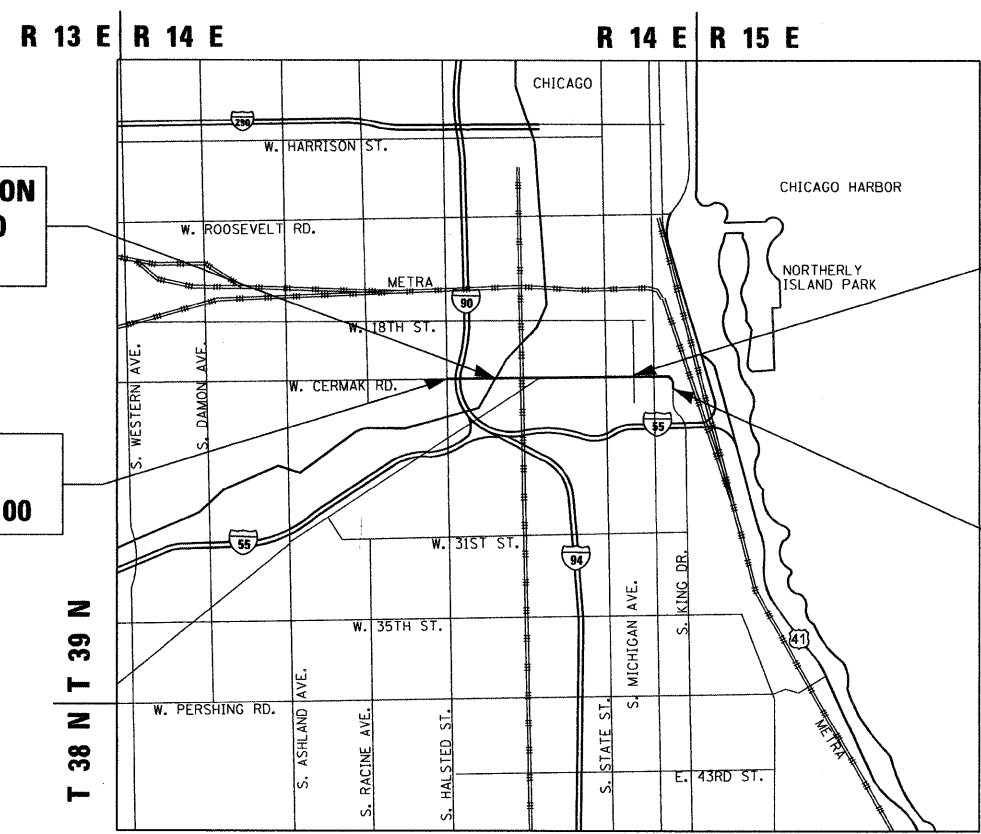
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123 OR 811
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
 1-312-744-7000

BRIDGE OMISSION
STA. 157 + 91 TO
STA. 161 + 93

PROJECT BEGINS
STA. 143 + 00

OMISSION OF
INDIANA AVE.

PROJECT ENDS
STA. 224 + 47



SCALE: NTS
SOUTH TOWNSHIP

GROSS LENGTH OF PROJECT = 8,100 FT = 1.53 MILES
NET LENGTH OF PROJECT = 7,698 FT = 1.46 MILES




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

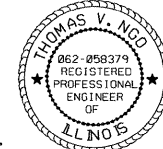
CONTRACT NO. 60K86

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 10, 20 11
Diane M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 05 20 11
Scott E. Stitt, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT
March 05 20 11
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER


 200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

MILLENNIA PROFESSIONAL SERVICES
 THOMAS V. NGO, P.E.
 * 062-058379


Thomas V. Ngo
 DATE: 02/09/2011
 SIGNATURE AND SEAL APPLIES TO DRWG.

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS


- 1 COVER SHEET
- 2-3 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6-8 ROADWAY PLAN
- 9-11 PAVEMENT MARKING PLAN
- 12 FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING (BD08)
- 13 PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT (BD22)
- 14 CURB OR CURB AND GUTTER REMOVAL AND REPLACE (BD24)
- 15 BUTT JOINTS AND HMA TAPER (BD32)
- 16 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
- 17 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC14) (TO REMAIN OPEN TO TRAFFIC) (TC14)
- 18 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
- 19 ARTERIAL ROAD INFORMATION SIGN (TC22)
- 20 SIGNING AND PAVEMENT MARKINGS TREATMENT FOR RAILROAD CROSSINGS (TC-23)
- 21-22 CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC24)
- 23 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACE (TS-07)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-~~06~~ STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 420001-~~07~~ PAVEMENT JOINTS
- 420701-~~02~~ PAVEMENT FABRIC
- 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-~~07~~ URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701606-~~07~~ URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-~~07~~ 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

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT



200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CERMAK ROAD
 HALSTED ST. TO McCORMICK SQUARE**

**INDEX OF SHEETS, LIST OF IDOT
 HIGHWAY STANDARD,
 AND COMMITMENTS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K86	

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.


GENERAL NOTES

GENERAL NOTES (CITY OF CHICAGO)

- 1 TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 2 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF CHICAGO.
- 3 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4 ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 5 ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 6 BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 7 THE ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS PRIOR TO THE PROJECT STARTING. IF DISCREPANCIES OCCUR BETWEEN EXISTING PAVEMENT MARKINGS AND THE PROPOSED PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT THE BUREAU OF TRAFFIC OPERATIONS.
- 8 ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 9 LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10 DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 11 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 12 FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 13 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 14 THE ENGINEER SHALL CONTACT PATRICE HARRIS (AREA TRAFFIC FIELD TECHNICIAN), AT (708) 597-9800 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 15 WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
- 16 THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 17 THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.

- 18 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.
- 19 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.
- 20 DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 21 PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 22 WHEN THE 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 (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 23 BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 24 OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

- 1 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312)744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 2 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
- 3 ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- 4 SEWER SIZES 21" DIAMETER OR SMALLER MUST BE EXTRA-STRENGTH VITRIFIED CLAY PIPE C-700 WITH C-425 JOINTS, OR DUCTILE IRON PIPE WITH PUSH-ON OR MECHANICAL JOINTS. SEWER SIZES 24" DIAMETER OR LARGER MUST BE REINFORCED CONCRETE PIPE TYPE C-76, CLASS III, WALL "B" WITH "O-RING" JOINTS.
- 5 PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING 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.
- 6 THE LICENSED SEWER CONTRACTOR/SUB-CONTRACTOR MUST SUBMIT TWO (2) SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF THE SEWER PERMIT IN SUITE 410 - 333 SOUTH STATE STREET, CHICAGO, IL 60604. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.
- 7 IF THE SEWER PIPE COVER IS REDUCED TO LESS THAN THREE (3) FEET, CONCRETE ENCASEMENT OF THE SEWER OR REPLACEMENT OF THESE SEWERS WITH CLASS 52 DUCTILE IRON PIPE WILL BE REQUIRED.
- 8 PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
- 9 BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED IN SUITE 410 - 333 SOUTH STATE STREET, CHICAGO, IL 60604. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACEMENT OF ANY BENCH MONUMENT IF DAMAGED OR DESTROYED DURING CONSTRUCTION.
- 10 SIDEWALK HANDICAPPED RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
- 11 ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND LIDS.
- 12 OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- 13 CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 14 THE CONTRACTOR SHALL CONTACT JOHN BILLS - OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS AT 312-743-1410, 7 WORKING DAYS PRIOR TO START OF WORK TO COORDINATE THE THE REPLACEMENT OF DETECTOR LOOPS FOR RED LIGHT ENFORCEMENT LOCATIONS. THE REPLACEMENT OF THE RED LIGHT DETECTOR LOOPS WILL BE DONE BY THE CITY.
- 15 THE CONTRACTOR SHALL CONTACT ROBERT NELSON - CITY OF CHICAGO BUREAU OF ELECTRICITY TRAFFIC SIGNAL MAINTENANCE SUPERVISOR AT (312)746-4525 SEVEN (7) WORKING DAYS PRIOR TO THE START OF PATCHING AND MILLING TO COORDINATE THE REPLACEMENT OF THE SIGNAL DETECTOR LOOPS.

	200 22ND Street, Suite 216, Lombard, IL 60148 630.705.0110 voice, 630.839.2566 fax www.mps-il.com	DESIGNED - CML DRAWN - JGH CHECKED - TVN DATE - 02/09/11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CERMAK ROAD HALSTED ST. TO McCORMICK SQUARE	GENERAL NOTES	F.A.U. RTE. 1453	SECTION 2010-033- RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 3
	SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.							CONTRACT NO. 60K86 FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITY 80% FED. 20% STATE		CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT		0005 QUANTITY		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	21	21		
25200110	SODDING, SALT TOLERANT	SQ YD	21	21		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	23	23		
40600300	AGGREGATE (PRIME COAT)	TON	112	112		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	84	84		
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	965	965		
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1199	1199		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4697	4697		
40600535	LEVELING BINDER (HAND METHOD), N70	TON	20	20		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	550	550		
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	350	350		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	54942	54942		
44000600	SIDEWALK REMOVAL	SQ FT	900	900		
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	5354	5354		
44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	74	74		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	20	20		
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	10	10		
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	260	260		
44201299	DOWEL BARS 1 1/2"	EACH	420	420		
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	354	354		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	593	593		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	351	351		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	3802	3802		
44213100	PAVEMENT FABRIC	SQ YD	250	250		
44213200	SAW CUTS	FOOT	1503	1503		
44213202	TIE BARS 1"	EACH	350	350		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2		
60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	5	5		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2		
60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	5	5		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		

Δ = Non-participating
* SPECIALTY ITEM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITY 80% FED. 20% STATE		CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT		0005 QUANTITY		
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	3490	3490		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	3456	3456		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	36605	36605		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	19404	19404		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3460	3460		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2714	2714		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2708	2708		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	389	389		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1728	1728		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18303	18303		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	9702	9702		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1730	1730		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1357	1357		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1354	1354		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	825	825		
X4060826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2349	2349		
Δ X55 39700	STORM SEWERS TO BE CLEANED	FOOT	7500	7500		
X6020083	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	5	5		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	129	129		
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	124	124		
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	215	215		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	156		
* 78000200	POLYUREA PAVEMENT MARKING TYPE I-LETTERS AND SYMBOLS	SQ FT	82	82		
* 78000210	POLYUREA PAVEMENT MARKING TYPE I-LINE 4"	FOOT	900	900		
* 78000230	POLYUREA PAVEMENT MARKING TYPE I-LINE 6"	FOOT	677	677		
* 78000240	POLYUREA PAVEMENT MARKING TYPE I-LINE 8"	FOOT	240	240		
* 78000250	POLYUREA PAVEMENT MARKING TYPE I-LINE 12"	FOOT	75	75		
* 78000270	POLYUREA PAVEMENT MARKING TYPE I-LINE 24"	FOOT	144	144		
Z0040665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		

FILE NAME = P:\2009\ME09006_VerVar_Phil.CADD\W024_Cermak\Shets\04-DIBK86-sht-Cermak-S00.dgn
USER NAME = Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
630.705.8110 voice, 630.839.2566 fax
www.mps-ll.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CERMAK ROAD
HALSTED ST. TO McCORMICK SQUARE

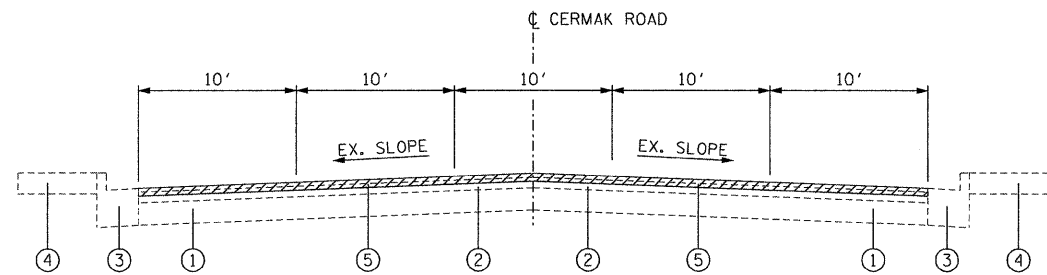
SUMMARY OF QUANTITIES

F.A.U. RTE. 1453	SECTION 2010-033- RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 4
CONTRACT NO. 60K86			Rev.	

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

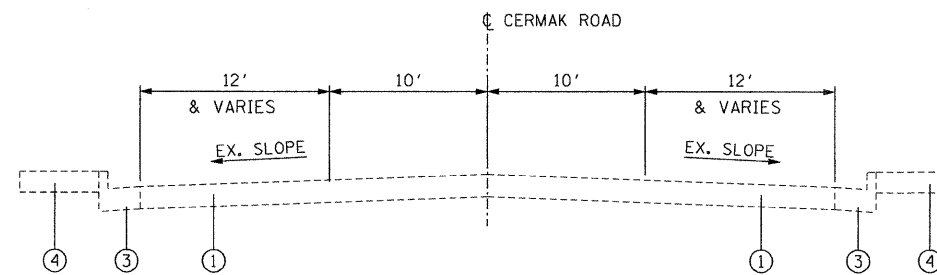
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

P:\2009\ME09006_VerVar_Phil.CADD\W024_Cermak\Shets\04-DIBK86-sht-Cermak-S00.dgn



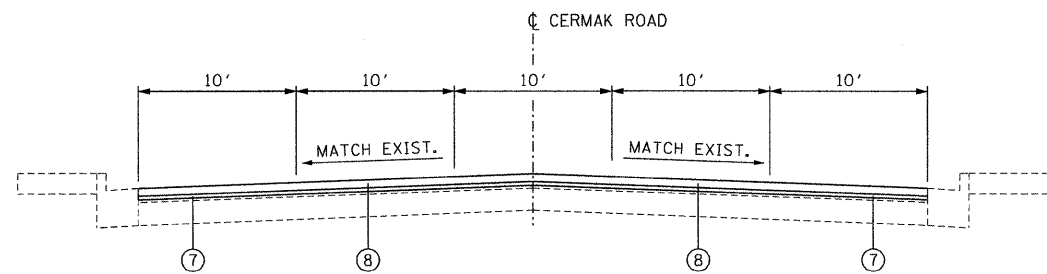
EXISTING TYPICAL SECTION

CERMAK ROAD
 STA 143+00 TO STA 157+91
 STA 161+93 TO STA 163+67



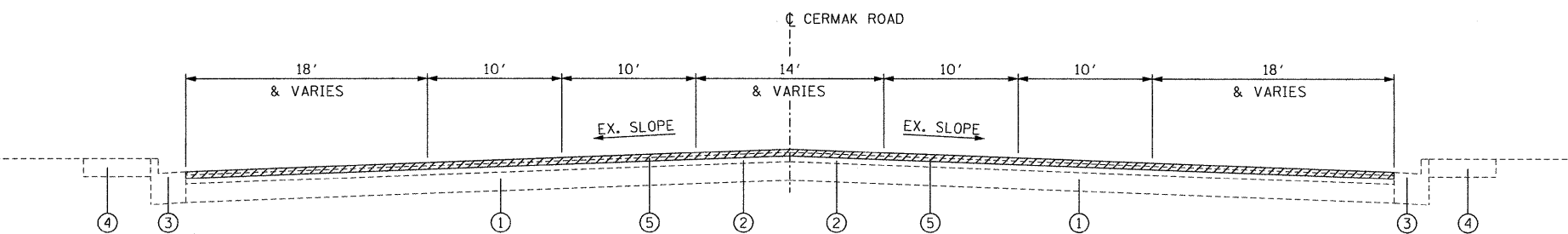
EXISTING TYPICAL SECTION

CERMAK ROAD
 STA 163+67 TO STA 173+12
 (SEE NOTE 2)



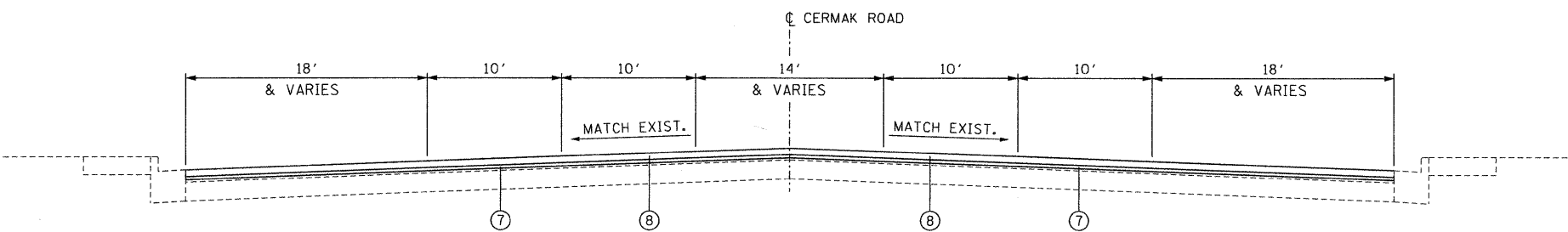
PROPOSED TYPICAL SECTION

CERMAK ROAD
 STA 143+00 TO STA 157+91
 STA 161+93 TO STA 163+67



EXISTING TYPICAL SECTION

CERMAK ROAD
 STA 173+12 TO STA 209+00
 STA 210+48 TO STA 218+00



PROPOSED TYPICAL SECTION

CERMAK ROAD
 STA 173+12 TO STA 209+00
 STA 210+48 TO STA 218+00

LEGEND

- ① EXISTING P.C.C. BASE (+/-9")
- ② EXISTING HMA SURFACE (+/-4")
- ③ EXISTING B-6.12 CURB & GUTTER
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ PROPOSED HMA SURFACE REMOVAL, 2 1/4" (SEE NOTE 1)
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE, MIX. "D", N70 (IL-9.5 MM), 1 1/2"

NOTES

1. THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATIONS PRIOR TO THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) FOR ADDITIONAL INFORMATION.
2. CLASS B PATCHING PERFORMED THROUGHOUT CONCRETE SECTION ONLY.

OMISSIONS

STA 157+91 TO STA 161+93
 STA 209+00 TO STA 210+48

HOT MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19MM)	4% @ 70 GYR.

MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
3. CONTRACTOR SHALL PATCH BEFORE MILLING.



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

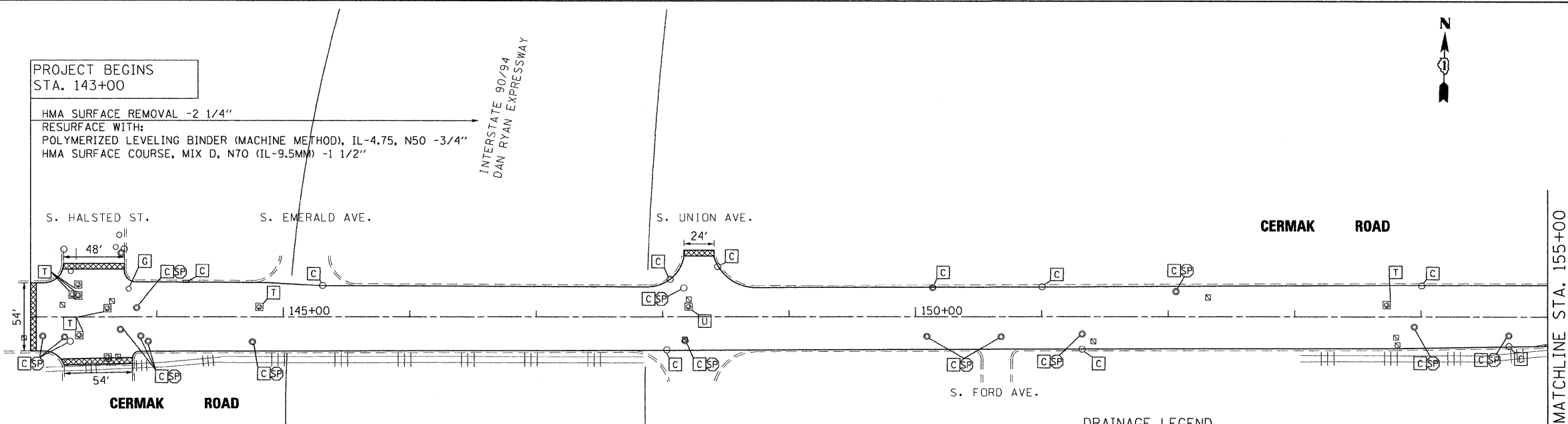
CERMAK ROAD
 HALSTED ST. TO McCORMICK SQUARE

TYPICAL SECTIONS

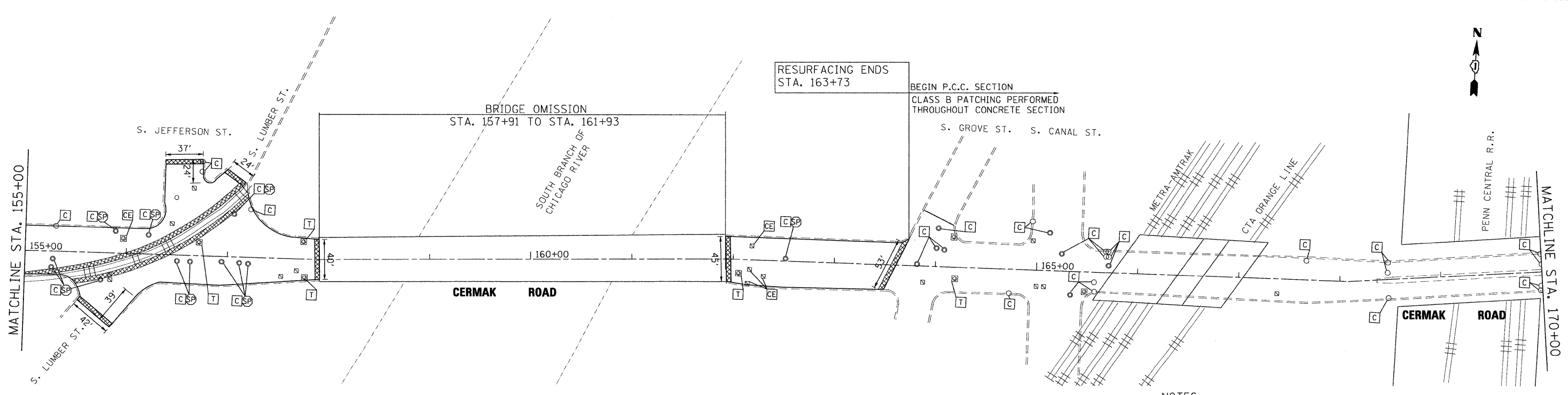
SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	5
CONTRACT NO. 60K86				

Rev. TYP-01



- DRAINAGE LEGEND**
- [A] FRAMES AND GRATES TO BE ADJUSTED
 - [C] STRUCTURE TO BE CLEANED
 - [CSP] FRAMES AND LIDS TO BE ADJUSTED SPECIAL
 - [REC] STRUCTURE TO BE RECONSTRUCTED
 - [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
 - [CE] COM ED-TO BE ADJUSTED BY OTHERS
 - [G] GAS TO BE ADJUSTED BY OTHERS
 - [U] UTILITIES TO BE ADJUSTED BY OTHERS



- ROADWAY LEGEND**
- [Hatched Box] PROPOSED HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

- NOTES**
1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33) (HMA TAPER AT EDGE OF PCC PAVEMENT).
 2. ALL DRAINAGE STRUCTURES LOCATED WITHIN THE RESURFACING LIMITS SHALL BE CLEANED.
 3. ALL STRUCTURES WITHIN THE RESURFACING LIMITS SHALL BE ADJUSTED ACCORDING TO THE SPECIAL PROVISIONS.

FILE NAME = P:\2009\ME09086_Ver-Var_Phil\CADD\W024_Cermak\Shets\06-0160K86-Prop-01.dgn
 PLOT SCALE = E02000
 USER NAME = Millennium Professional Services

MILLENNIA PROFESSIONAL SERVICES

200 22ND Street, Suite 216, Lombard, IL 60148
 630.795.0110 voice, 630.839.2566 fax
 www.mps-il.com

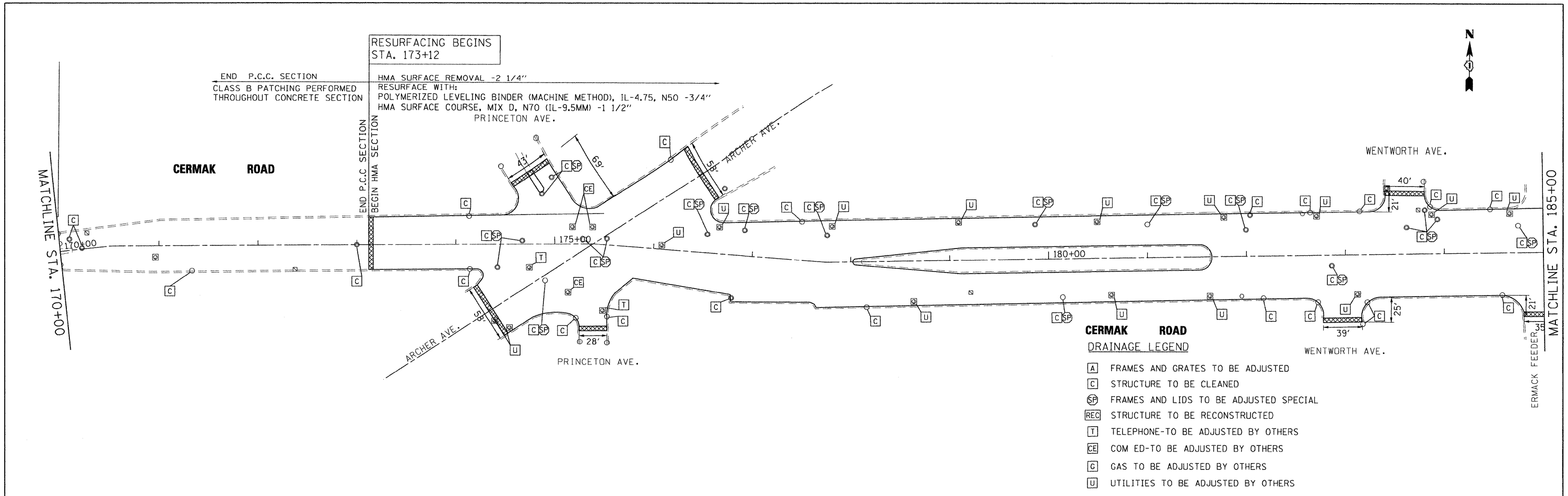
DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

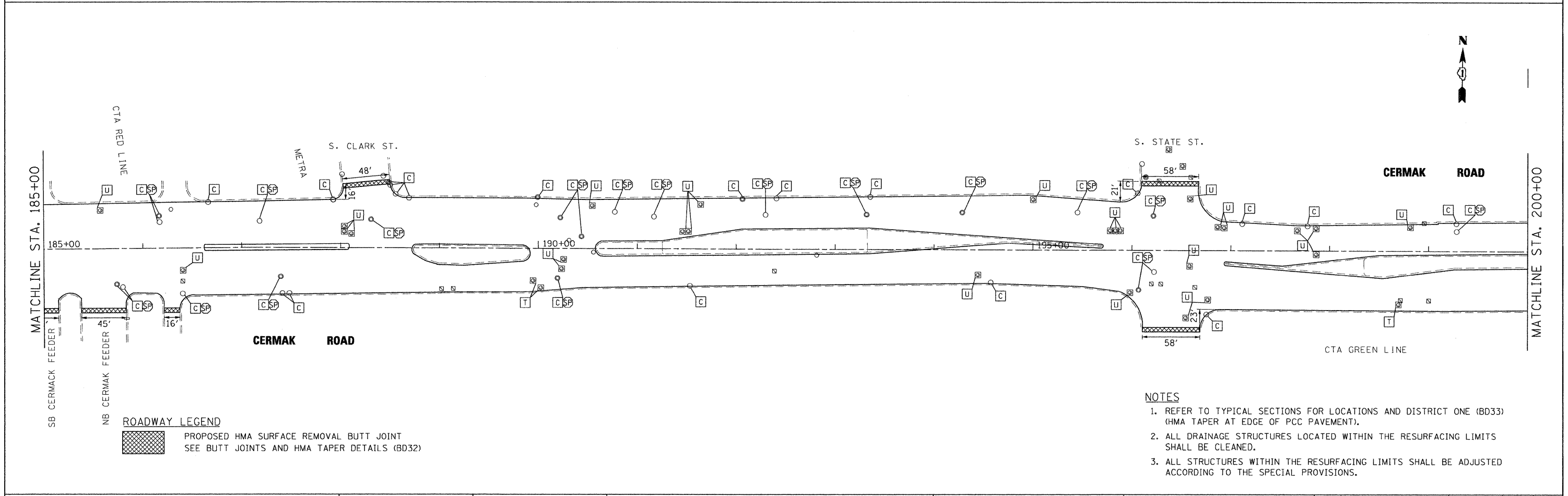
**CERMAK ROAD
 HALSTED ST. TO MCCORMICK SQUARE**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 143+00 TO STA. 170+00

F.A.U. RTE. 1453	SECTION 2010-033- RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 6
CONTRACT NO. 60K86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- CERMAIK ROAD DRAINAGE LEGEND**
- [A] FRAMES AND GRATES TO BE ADJUSTED
 - [C] STRUCTURE TO BE CLEANED
 - [SP] FRAMES AND LIDS TO BE ADJUSTED SPECIAL
 - [REC] STRUCTURE TO BE RECONSTRUCTED
 - [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
 - [CE] COM ED-TO BE ADJUSTED BY OTHERS
 - [G] GAS TO BE ADJUSTED BY OTHERS
 - [U] UTILITIES TO BE ADJUSTED BY OTHERS



- NOTES**
1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33) (HMA TAPER AT EDGE OF PCC PAVEMENT).
 2. ALL DRAINAGE STRUCTURES LOCATED WITHIN THE RESURFACING LIMITS SHALL BE CLEANED.
 3. ALL STRUCTURES WITHIN THE RESURFACING LIMITS SHALL BE ADJUSTED ACCORDING TO THE SPECIAL PROVISIONS.

200 22ND Street, Suite 216, Lombard, IL 60148
630.785.0110 voice, 630.839.2566 fax
www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

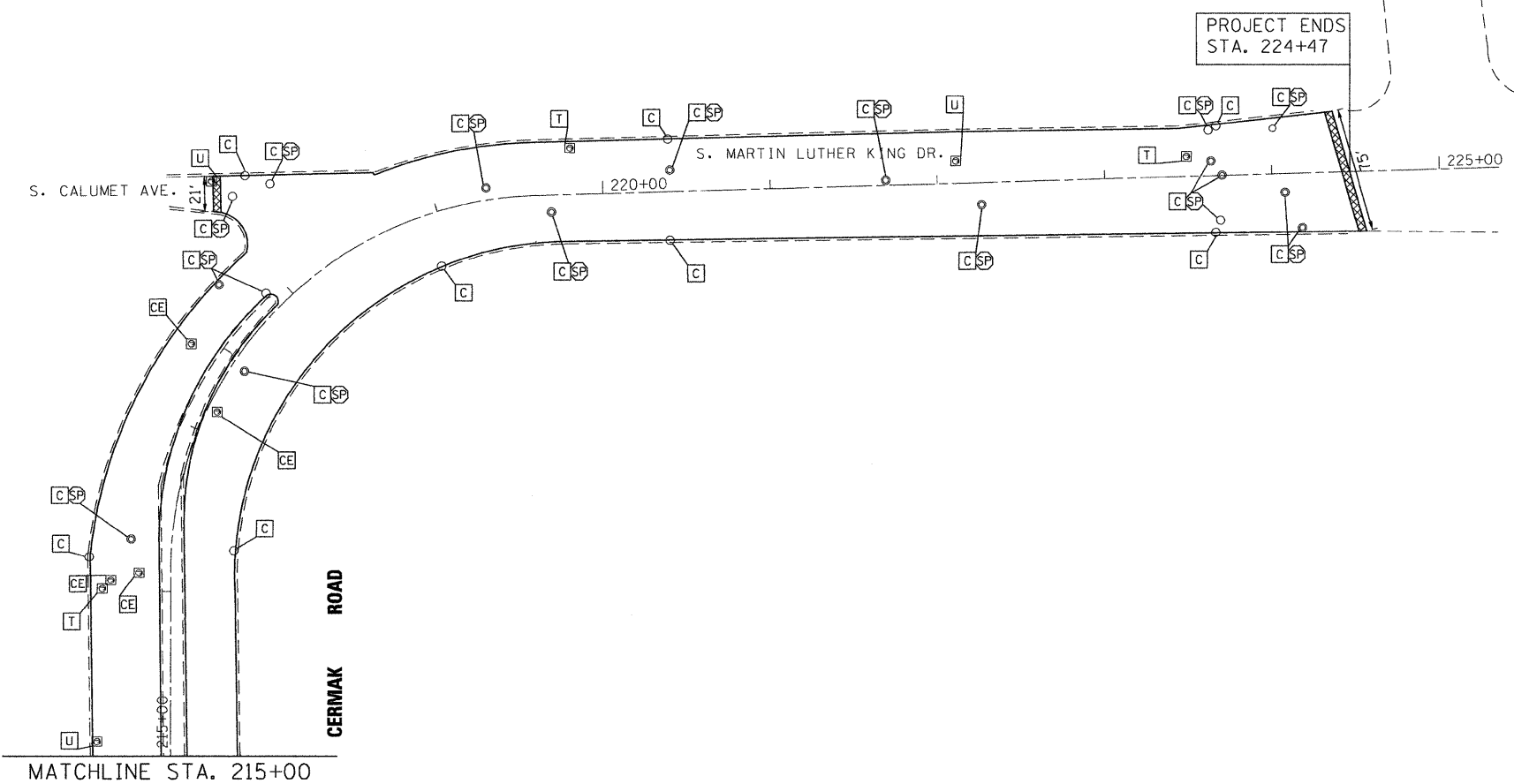
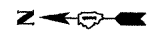
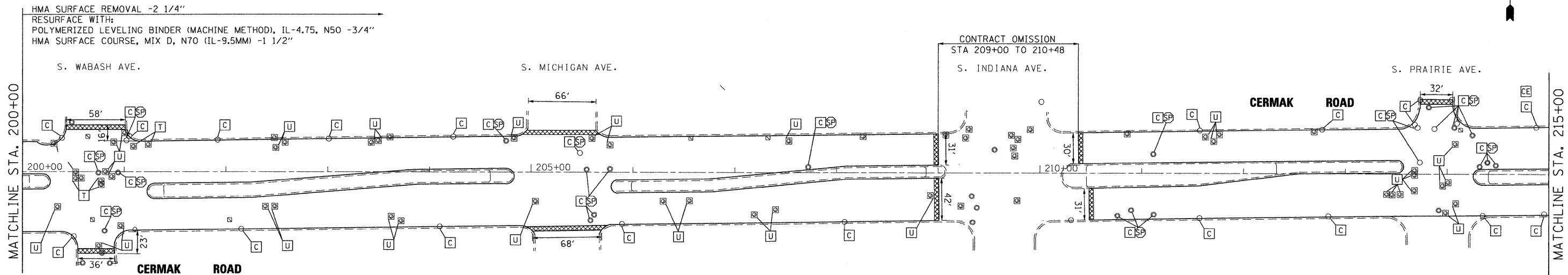
DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CERMAIK ROAD
HALSTED ST. TO McCORMICK SQUARE**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 170+00 TO STA. 200+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K86	



DRAINAGE LEGEND

- [A] FRAMES AND GRATES TO BE ADJUSTED
- [C] STRUCTURE TO BE CLEANED
- [SP] FRAMES AND LIDS TO BE ADJUSTED SPECIAL
- [REC] STRUCTURE TO BE RECONSTRUCTED
- [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
- [CE] COM ED-TO BE ADJUSTED BY OTHERS
- [G] GAS TO BE ADJUSTED BY OTHERS
- [U] UTILITIES TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33) (HMA TAPER AT EDGE OF PCC PAVEMENT).
2. ALL DRAINAGE STRUCTURES LOCATED WITHIN THE RESURFACING LIMITS SHALL BE CLEANED.
3. ALL STRUCTURES WITHIN THE RESURFACING LIMITS SHALL BE ADJUSTED ACCORDING TO THE SPECIAL PROVISIONS.

ROADWAY LEGEND

- [Hatched Box] PROPOSED HMA SURFACE REMOVAL BUTT JOINT
- SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = P:\2009\ME0906-Var-Vor-Phil\CADD\W024-Cermak\Shets\08-DIGK86-Prop-03.dgn
 PLOT SCALE = 50/0000
 USER NAME = Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

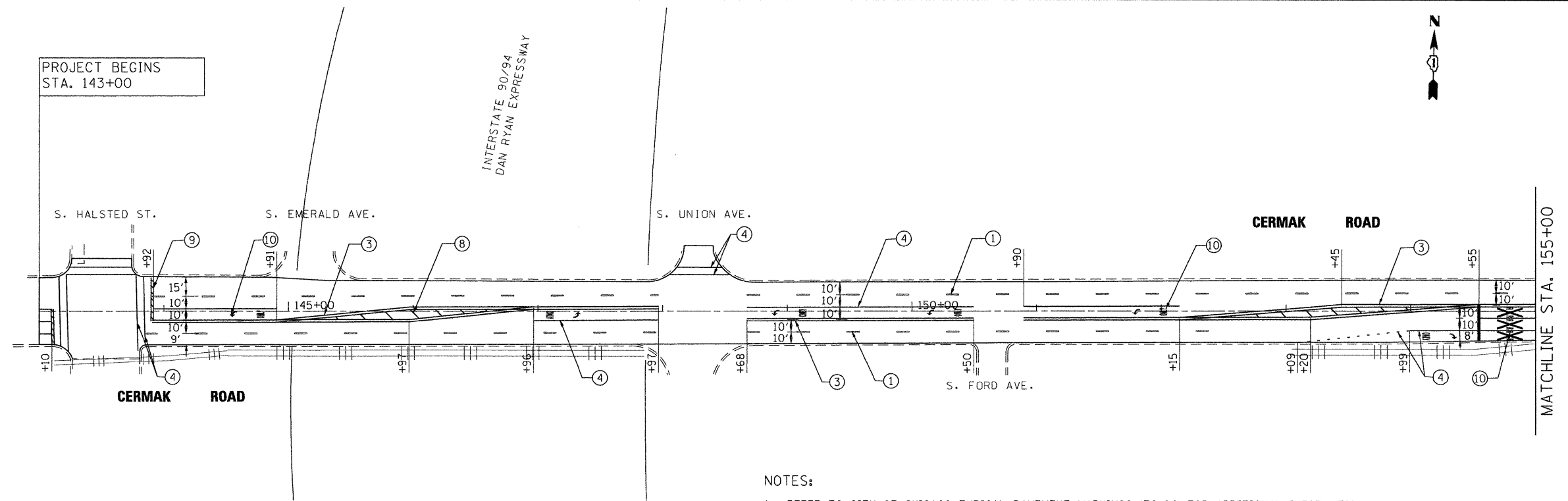
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CERMAK ROAD
HALSTED ST. TO MCCORMICK SQUARE

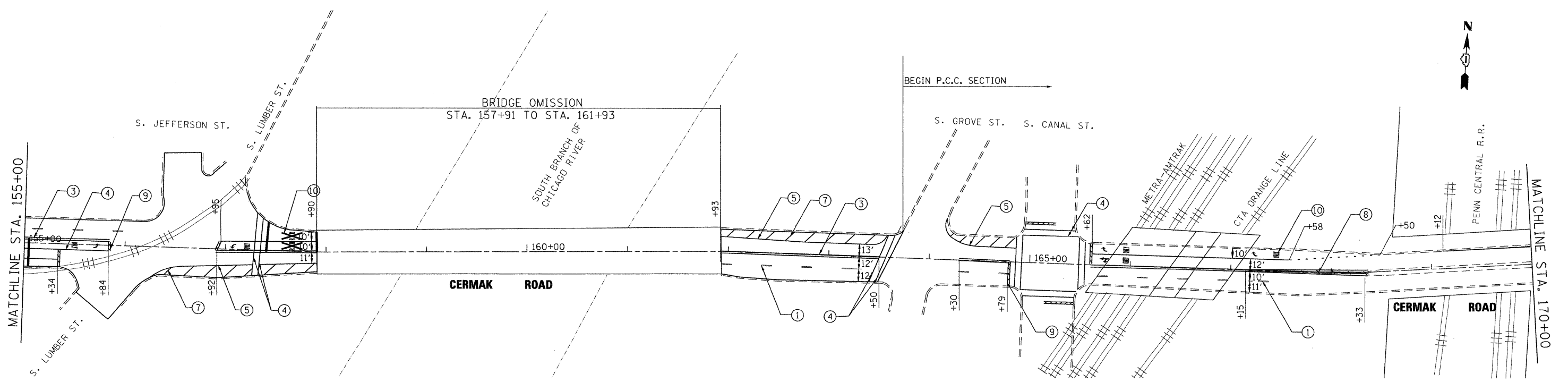
ROADWAY PLAN
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 200+00 TO STA. 224+47

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	8
CONTRACT NO. 60K86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

P:\2009\ME0906-Var-Vor-Phil\CADD\W024-Cermak\Shets\08-DIGK86-Prop-03.dgn



NOTES:
 1. REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.



- PAVEMENT MARKING LEGEND (SEE NOTE 1)
- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LINE
 - ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LINE
 - ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
 - ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE
 - ⑥ THERMOPLASTIC PAVEMENT MARKING 8" YELLOW LINE
 - ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL WHITE LINE
 - ⑧ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
 - ⑨ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR
 - ⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)

FILE NAME = P:\2009\ME09086-Var\Var_Plan\CADD\W024_Cermak\Shsta\10-D160K86-Pmk-01.dgn
 PLOT SCALE = 50/0000
 USER NAME = Millennium Professional Services

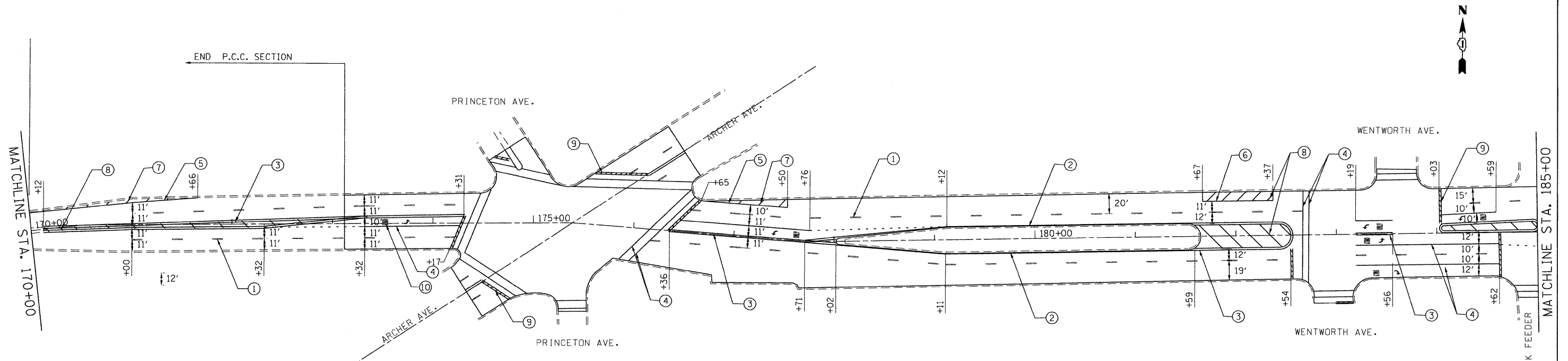
200 22ND Street, Suite 216, Lombard, IL 60148
 630.765.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

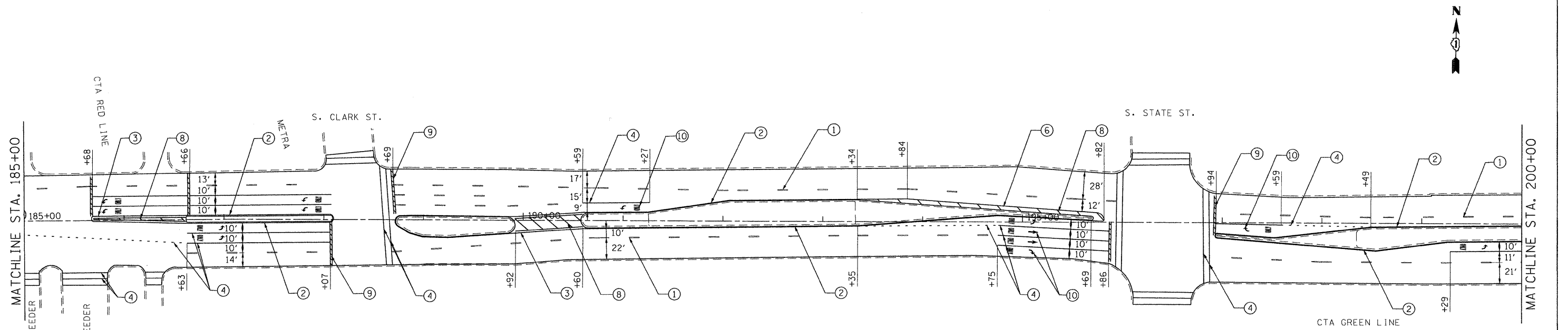
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CERMAK ROAD HALSTED ST. TO MCCORMICK SQUARE		PAVEMENT MARKING PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 143+00 TO STA. 170+00	

F.A.U. RTE. 1453	SECTION 2010-033- RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 9
CONTRACT NO. 60K86				



NOTES:
 1. REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LINE
- ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LINE
- ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
- ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE
- ⑥ THERMOPLASTIC PAVEMENT MARKING 8" YELLOW LINE
- ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL WHITE LINE
- ⑧ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
- ⑨ THERMOPLASTIC PAVEMENT MARKING 24" WHITE BAR
- ⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CERMAK ROAD
 HALSTED ST. TO MCCORMICK SQUARE

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 170+00 TO STA. 200+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	10
CONTRACT NO. 60K86				

FILE NAME : P:\2009\ME09086_Ver-Var-Phil\CADD\W024_Cermak\Shets\11-D160K86-Pmk-02.dgn
 PLOT SCALE : 50/8000 / IN.
 USER NAME : Millennia Professional Services

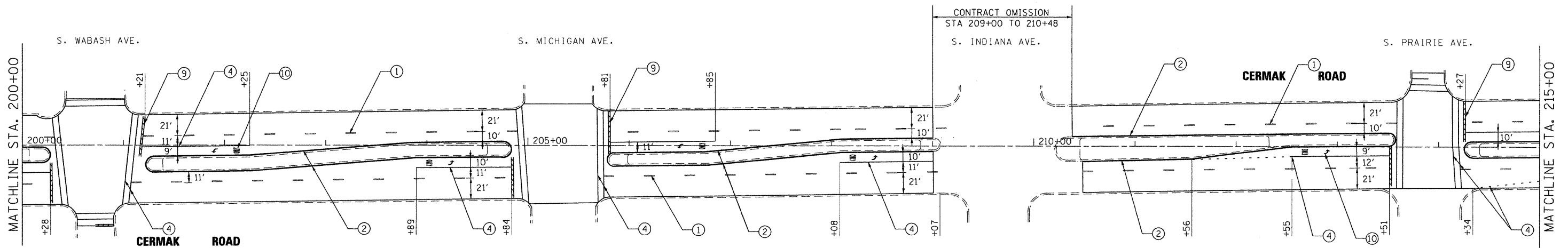
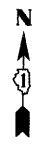


200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 www.mps-il.com

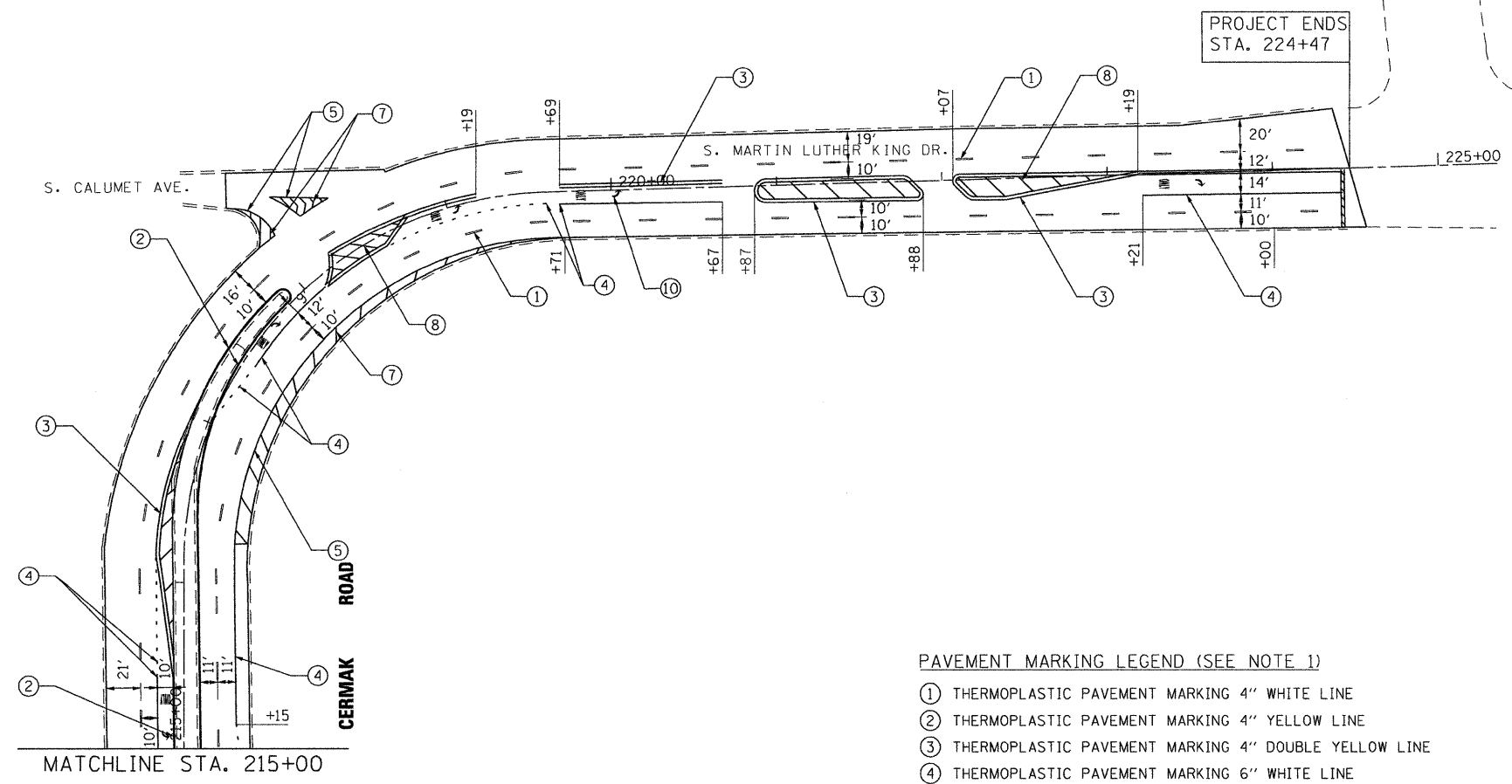
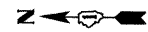
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

P:\2009\ME09086_Ver-Var-Phil\CADD\W024_Cermak\Shets\11-D160K86-Pmk-02.dgn



NOTES:
 1. REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.



- PAVEMENT MARKING LEGEND (SEE NOTE 1)
- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LINE
 - ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LINE
 - ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
 - ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE
 - ⑥ THERMOPLASTIC PAVEMENT MARKING 8" YELLOW LINE
 - ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL WHITE LINE
 - ⑧ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
 - ⑨ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR
 - ⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)

FILE NAME = P:\2009\ME09086-Var\Var_Plan\CADD\W024-Cermak\Shts\12-D160K86-Pmk-03.dgn
 PLOT SCALE = 1"=50'
 USER NAME = Millennium P-Professional Services

200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CML	REVISED -
DRAWN - JGH	REVISED -
CHECKED - TVN	REVISED -
DATE - 02/09/11	REVISED -

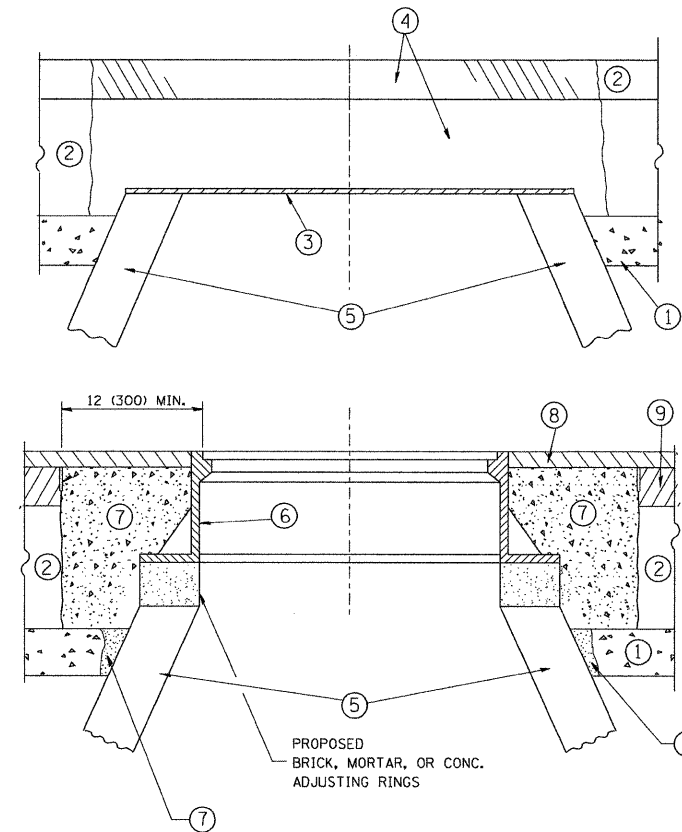
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CERMAK ROAD
HALSTED ST. TO MCCORMICK SQUARE

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 200+00 TO STA. 224+47

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033- RS	COOK	23	11
CONTRACT NO. 60K86				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

P:\2009\ME09086-Var\Var_Plan\CADD\W024-Cermak\Shts\12-D160K86-Pmk-03.dgn



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (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 PP CONCRETE EXISTING BASE COURSE OR THE BINDER COURSE.

* THE CLASS OF PP CONCRETE WILL BE AS DIRECTED BY THE ENGINEER.

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 PP* CONCRETE
- 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.

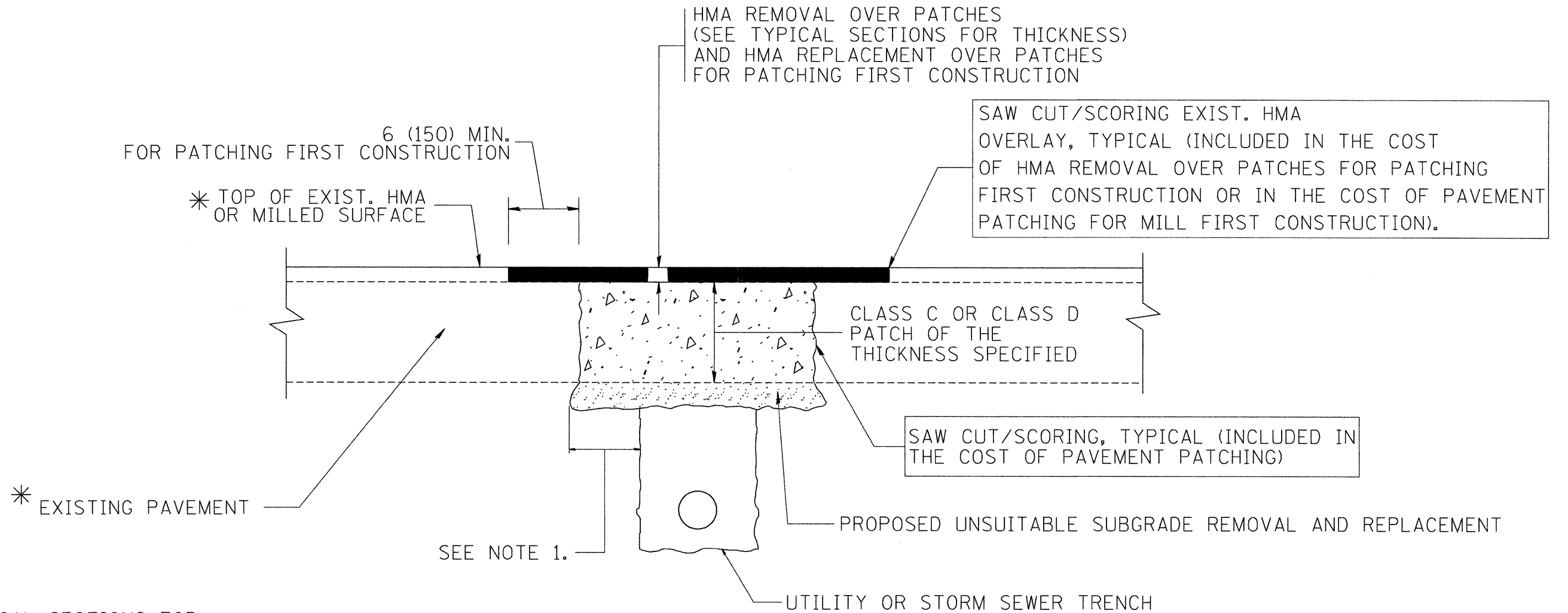
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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 =	USER NAME = lejso	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwwork\lejso\d0108315\bd88.dwg		DRAWN -	REVISED - R. WIEDEMAN 05-14-04		1453	2010-033 RS	COOK	23	12			
PLOT SCALE = 49.9999 / / IN.		CHECKED -	REVISED - R. BORO 01-01-07		BD600-03 (BD-8)			CONTRACT NO. 60K86				
PLOT DATE = 2/4/2011		DATE - 10-25-94	REVISED - R. BORO 02-01-11		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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\dist\td22x34\bd22.dgn	USER NAME = bouerd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 13
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22) CONTRACT NO. 60K86			
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07									
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. 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.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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.)

* 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.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ 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.

⑥ 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.

⑦ 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.

⑧ 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.

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).

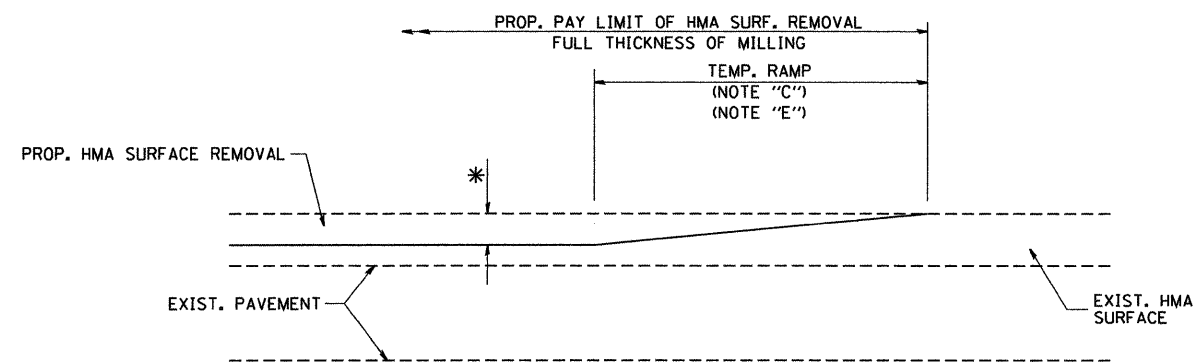
BASIS OF PAYMENT:

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

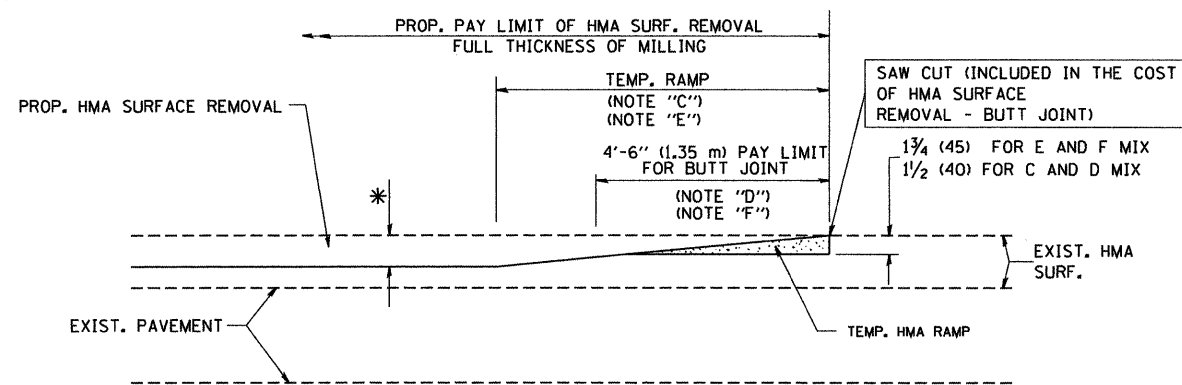
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drvakosgn	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.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 14
es:\pw\work\pwwdot\drvakosgn\d0108315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-06 (BD-24)			
PLOT SCALE = 50.000 "/ IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01		CONTRACT NO. 60K86							
PLOT DATE = 12/15/2009		DATE - 03-11-94	REVISED - R. BORO 12-15-09		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



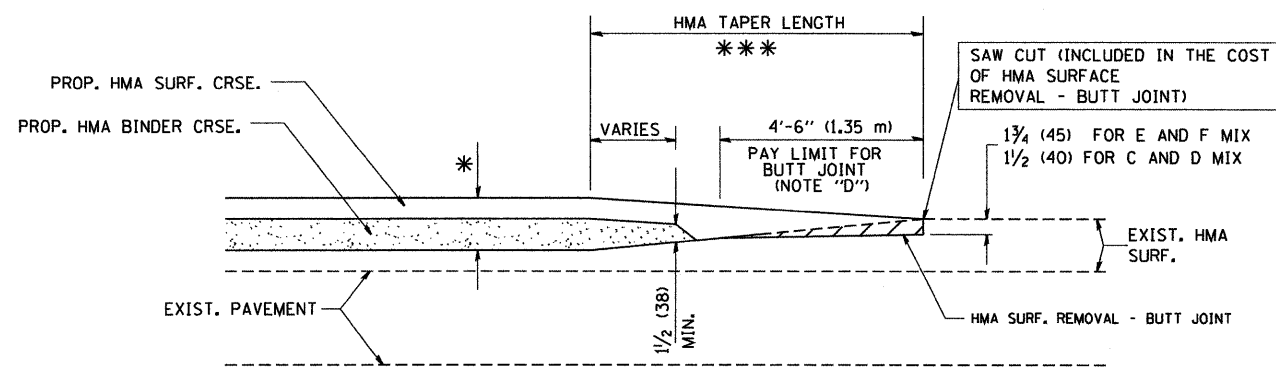
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



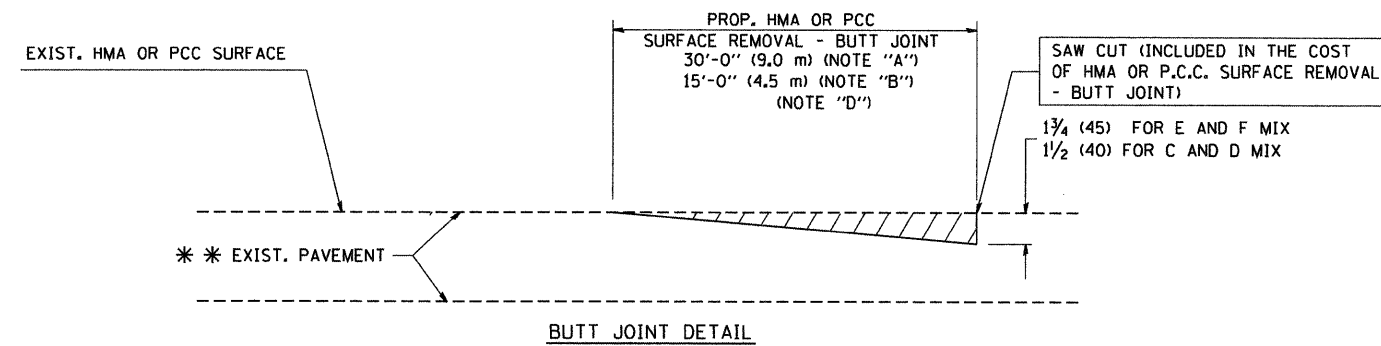
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

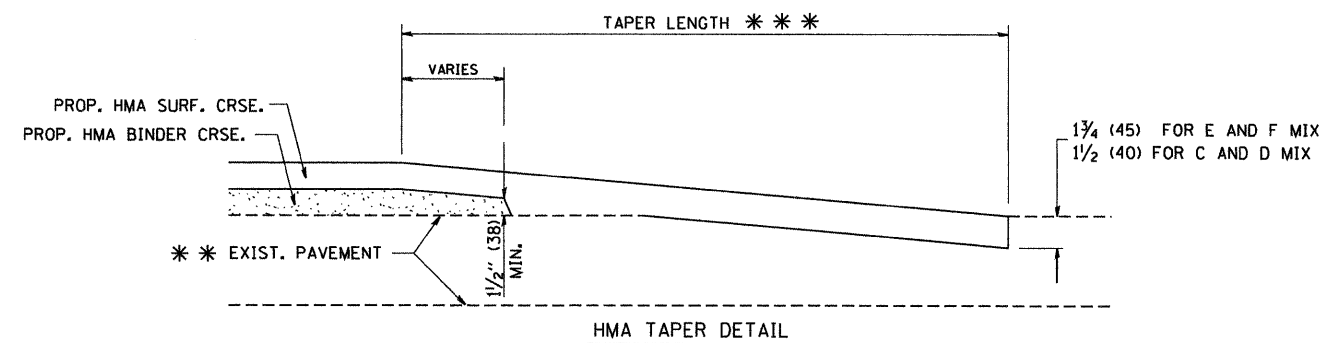


BUTT JOINT AND
HMA TAPER

**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.

FILE NAME =
M:\distatd\22x34\bd32.dgn

USER NAME = geglianobt

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

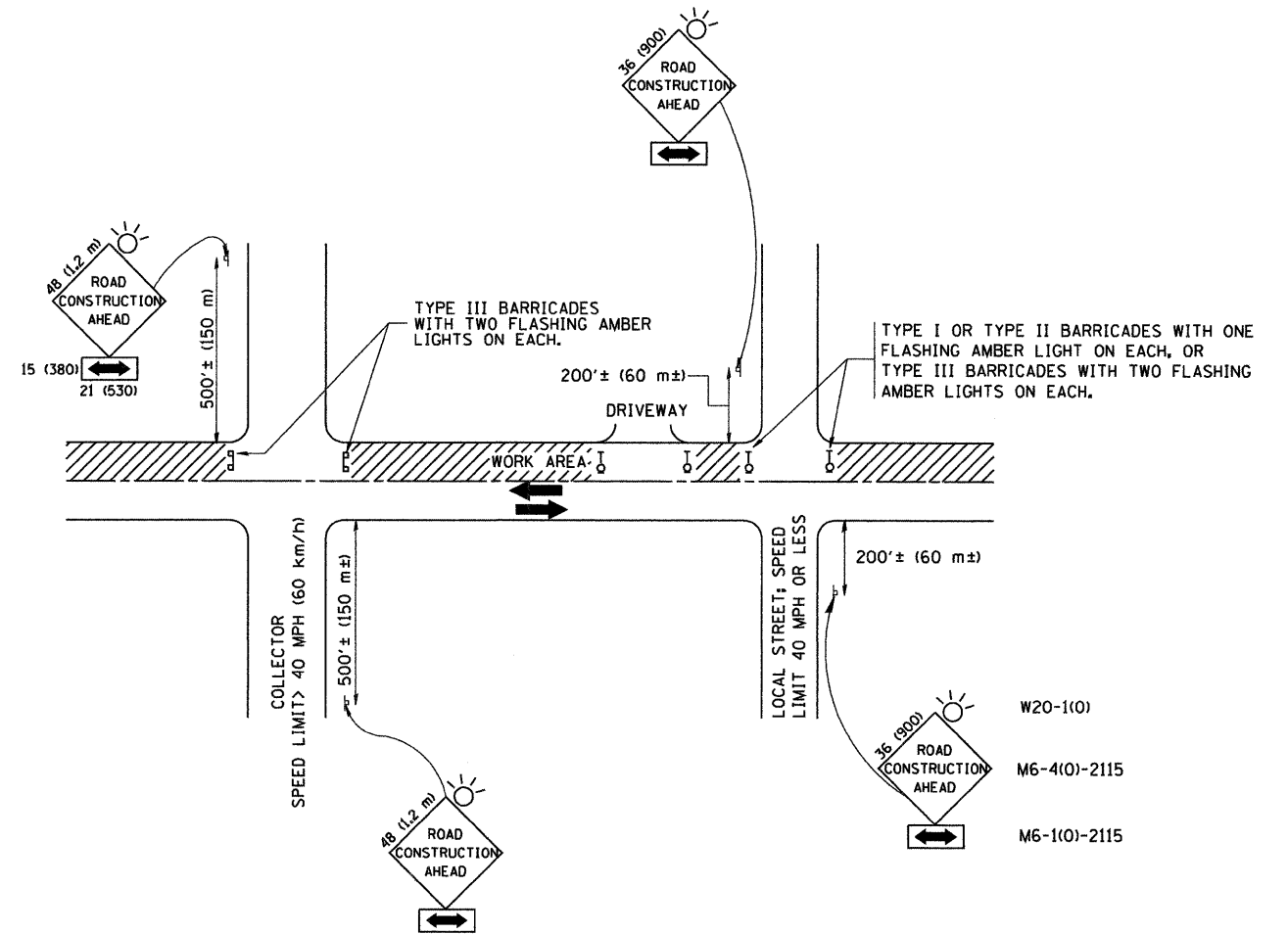
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033 RS	COOK	23	15
BD400-05 BD32			CONTRACT NO. 60K86	
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.

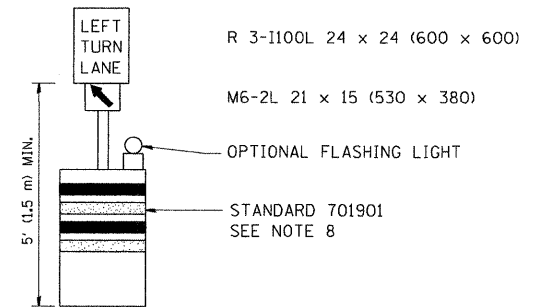
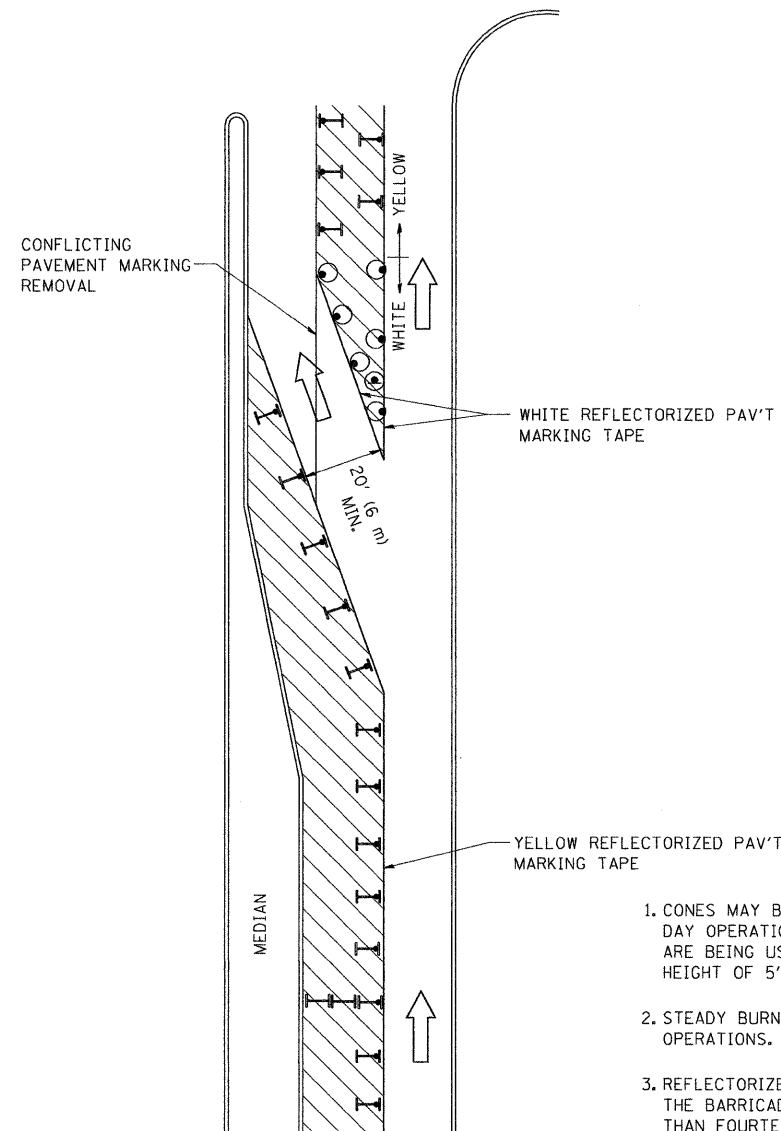
FILE NAME = M:\diststd\22x34\tcl@dgn	USER NAME = geglionbt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 16
TC-10			CONTRACT NO. 60K86	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

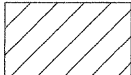







GENERAL NOTES

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 OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. 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

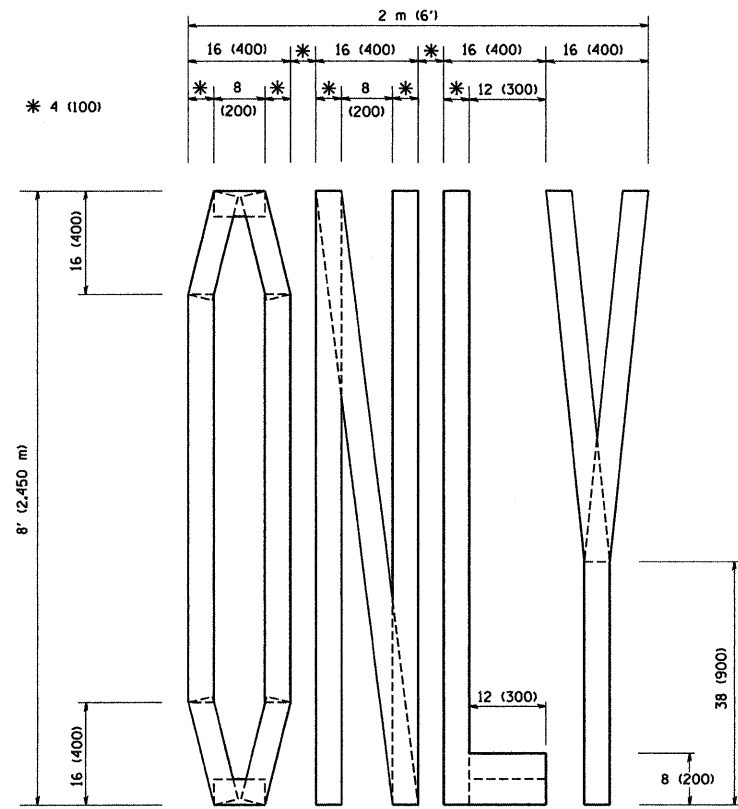
FILE NAME =	USER NAME = drvakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
es:\pwwork\PWIDOT\DRIVAKOSGN\d0108315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 49.9999' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

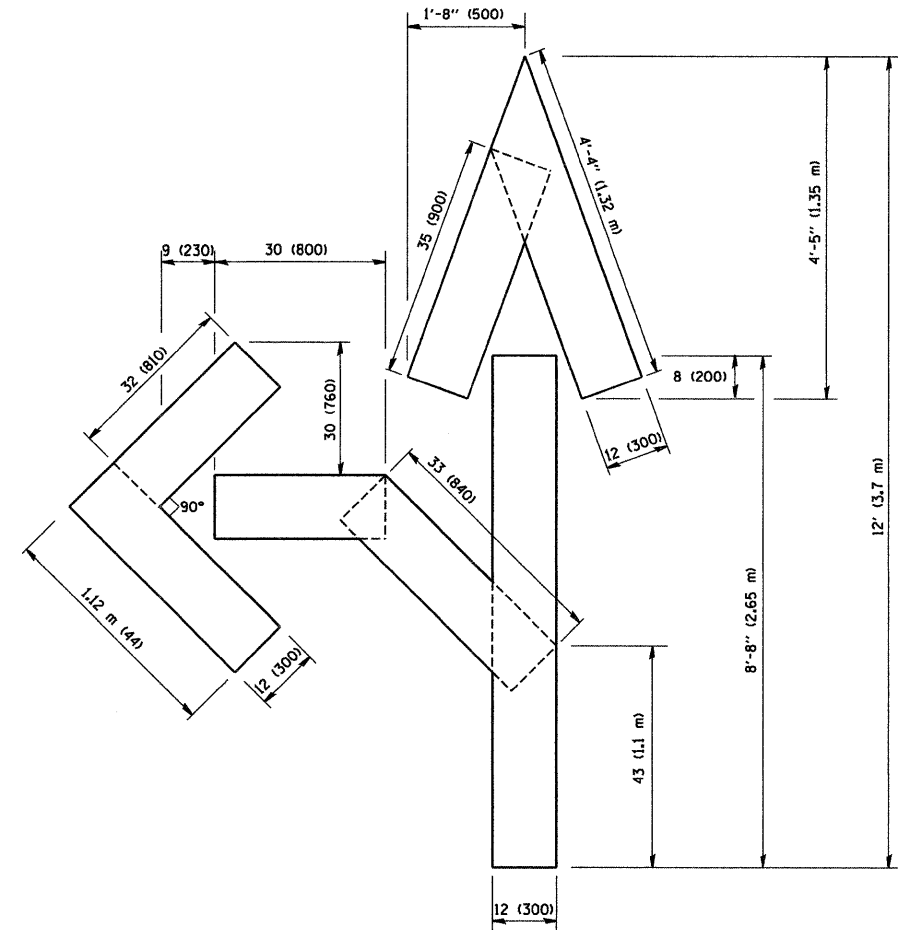
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 17
TC-14			CONTRACT NO. 60K86	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

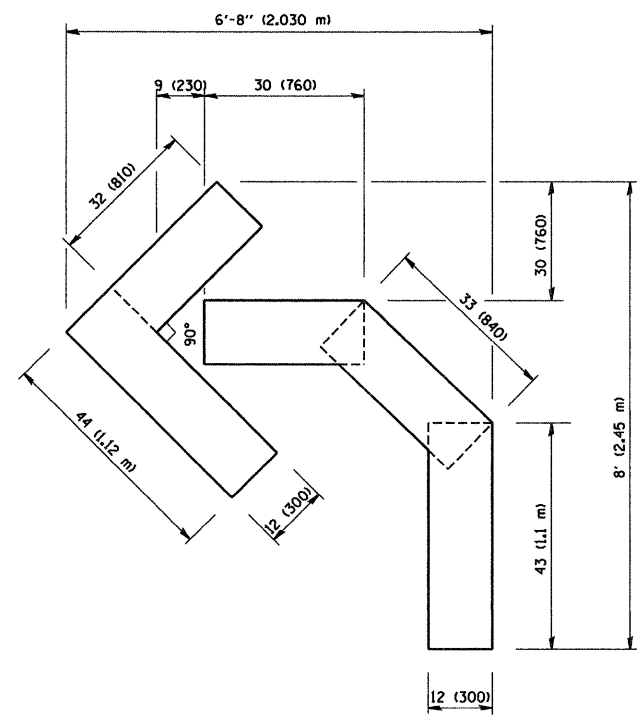
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



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



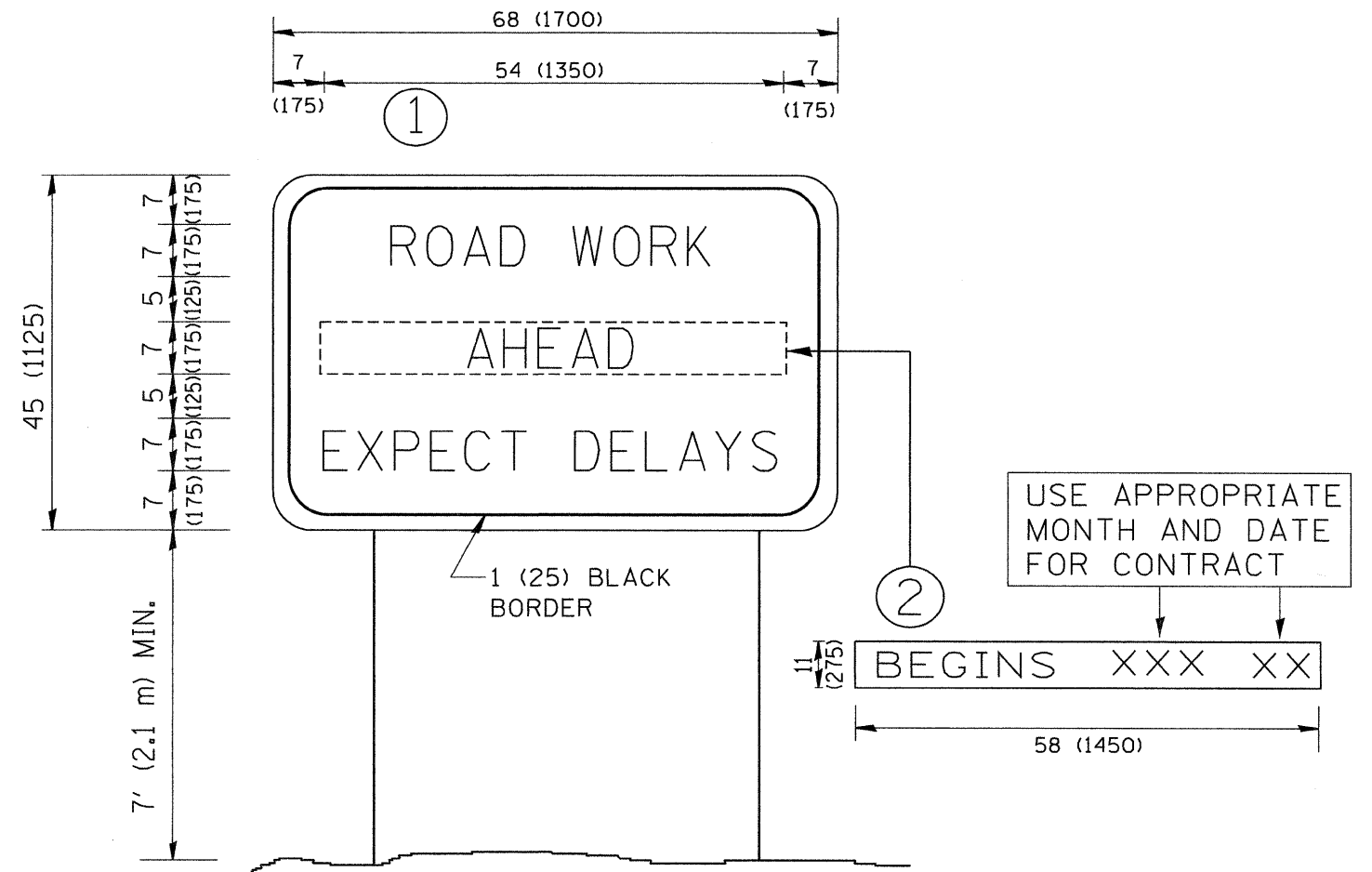
QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



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

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

FILE NAME = W:\diststd\22x34\tcl16.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 18
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98					SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-16 CONTRACT NO. 60K86	
	PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED - E. GOMEZ 08-28-00					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



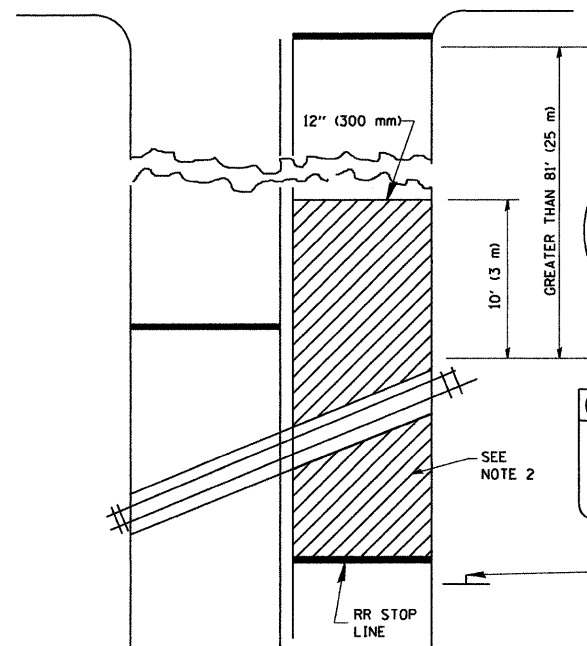
NOTES:

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.

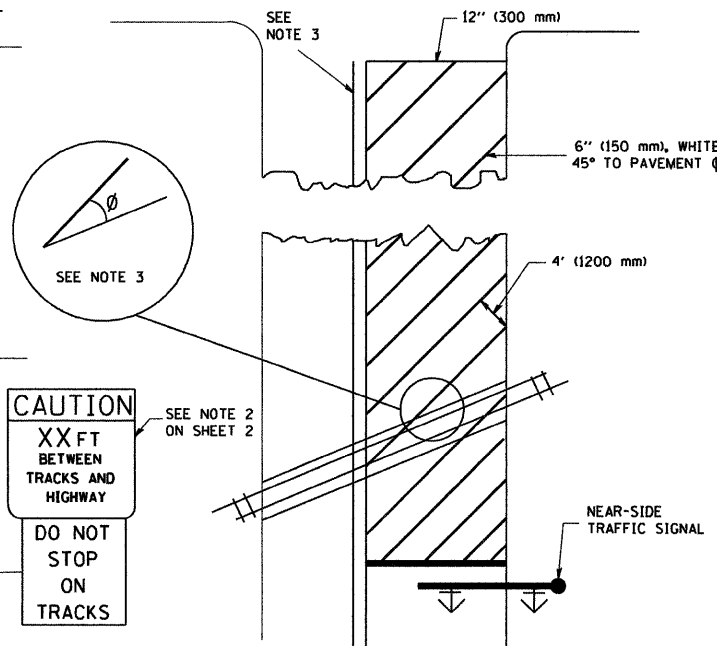
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distatd\22x34\tc22.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 19
	PLOT SCALE = 50,000 / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO. 60K86	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED - C. JUCIUS 01-31-07									

WITH INTERSECTION TRAFFIC SIGNALS

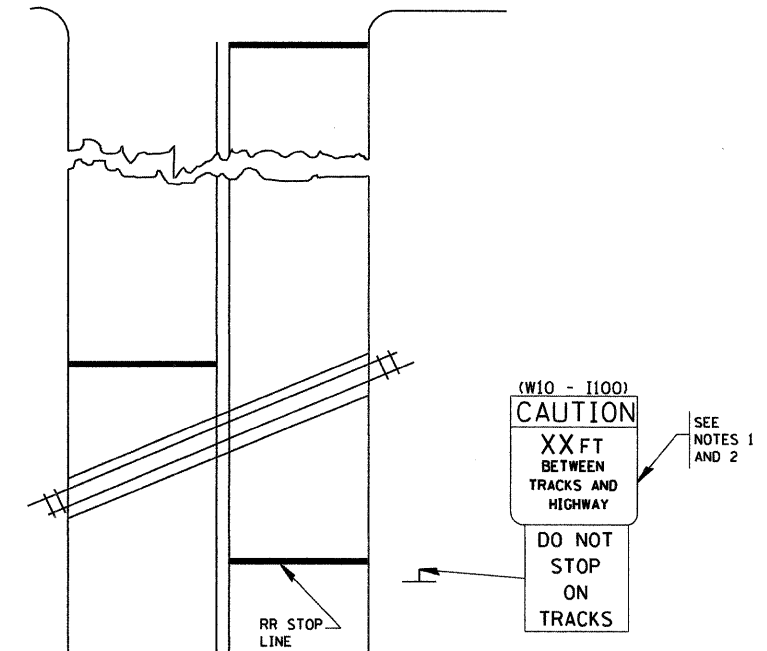


WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION

81' (25 m) OR LESS TO CLOSEST RAIL



NOTES:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
- WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (ϕ) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

NOTE:

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

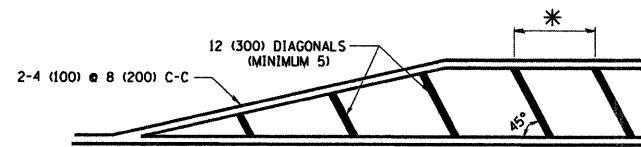
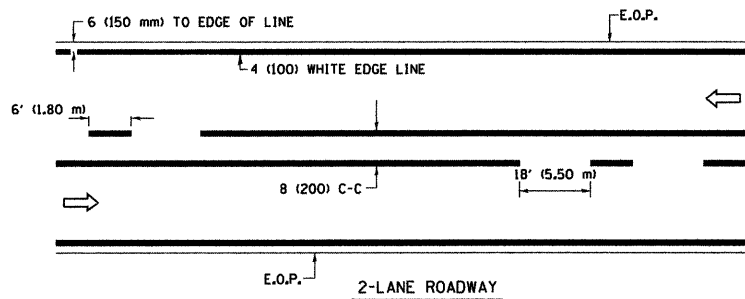
FILE NAME = W:\diststd\22x34\to23.dgn

USER NAME = geglianobt	DESIGNED -	REVISED - 01-01-07
PLOT SCALE = 50.0000 / IN.	DRAWN -	REVISED -
PLOT DATE = 1/4/2008	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

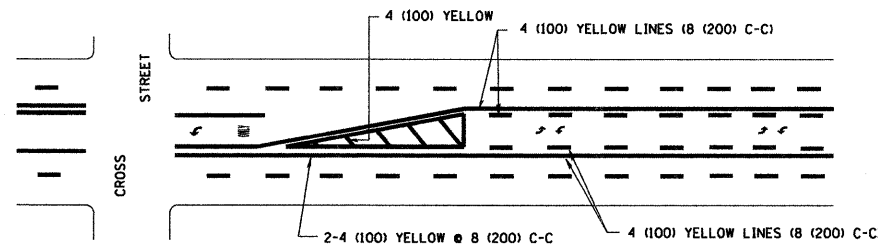
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 20
TC-23			CONTRACT NO. 60K86	
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

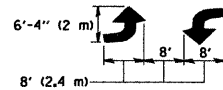


* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 * DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

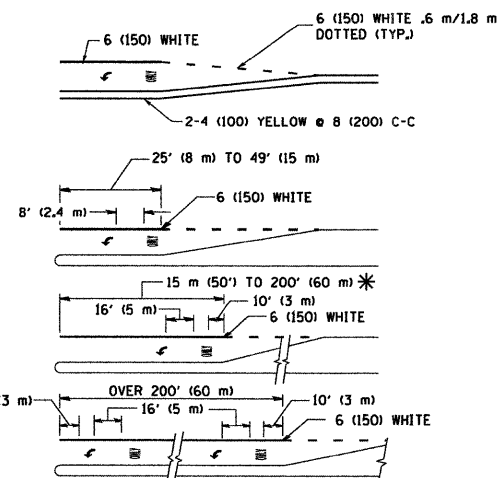


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

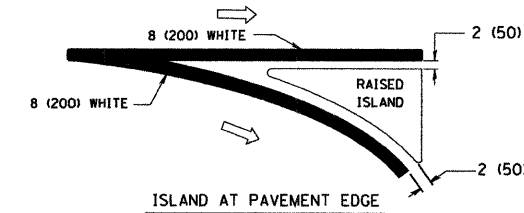
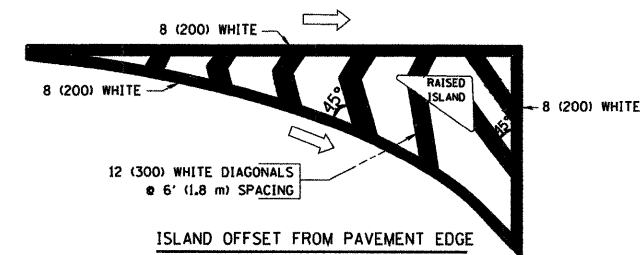
TYPICAL PAINTED MEDIAN MARKING



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

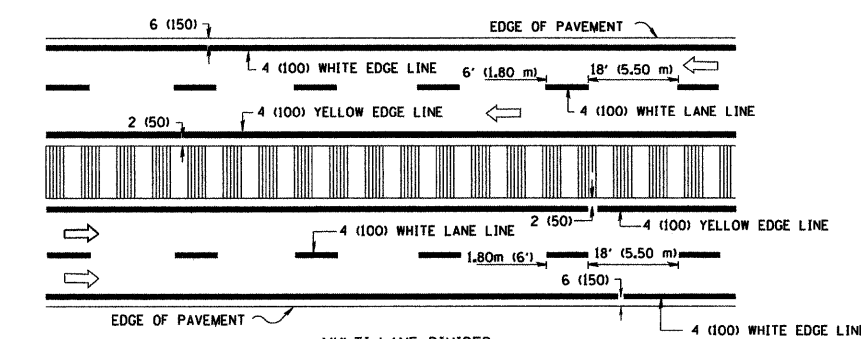
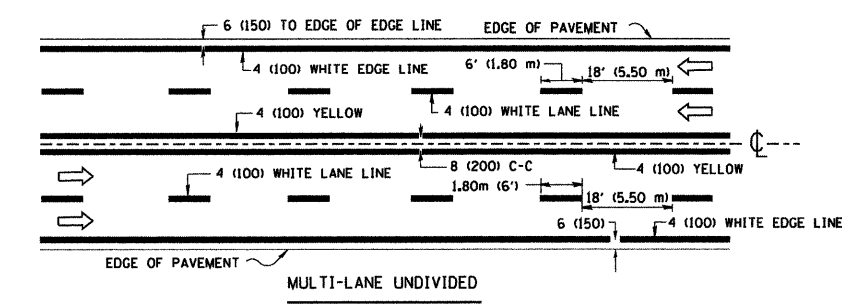


TYPICAL ISLAND MARKING

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 SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2'-4" (700) 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" 15 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)

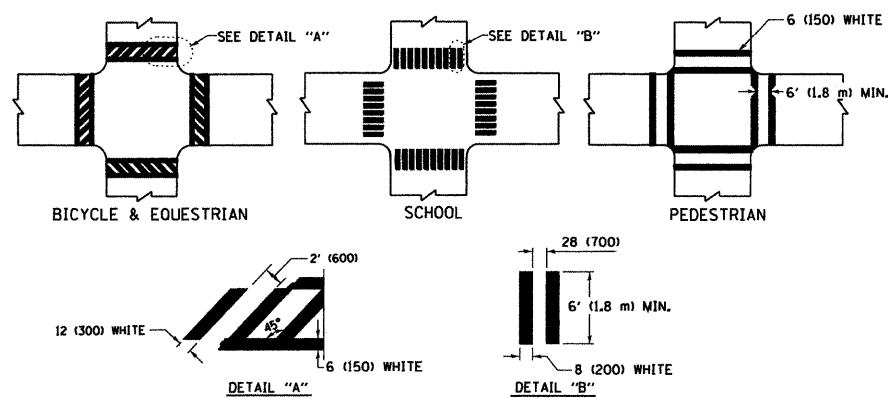
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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



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

TYPICAL LANE AND EDGE LINE MARKING



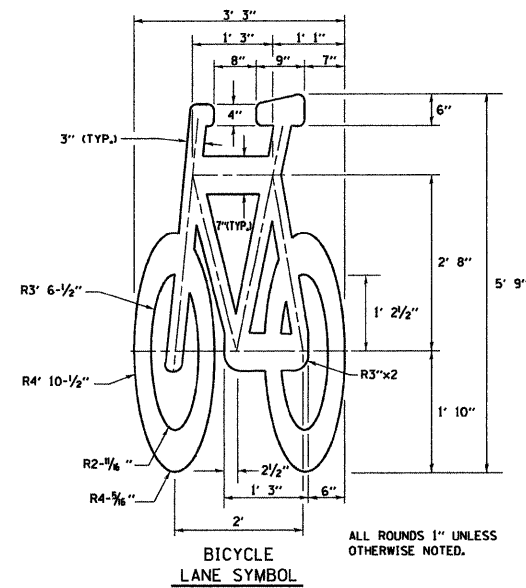
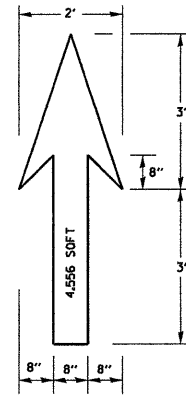
TYPICAL CROSSWALK MARKING

FILE NAME = W:\dststd\22\34\to24.dgn	USER NAME = gajlonobt	DESIGNED - DRAWN -	REVISED - T. RAMMACH 12-07-00 REVISED - REVISED - REVISED -
	PLOT SCALE = 50.000 / IN.	CHECKED -	
	PLOT DATE = 1/4/2008	DATE -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

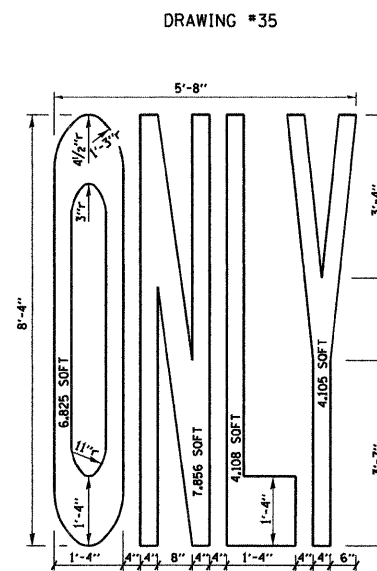
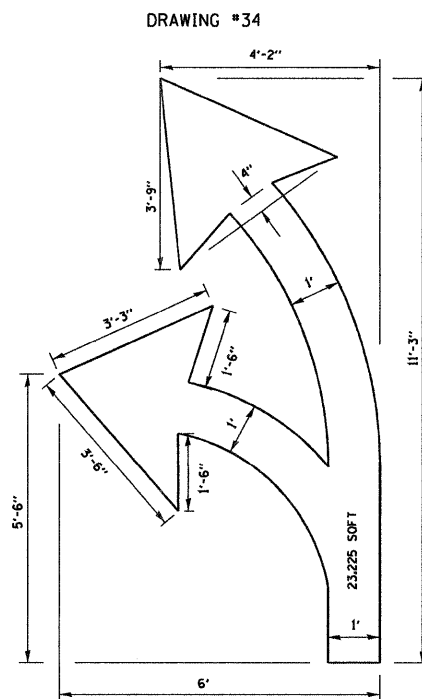
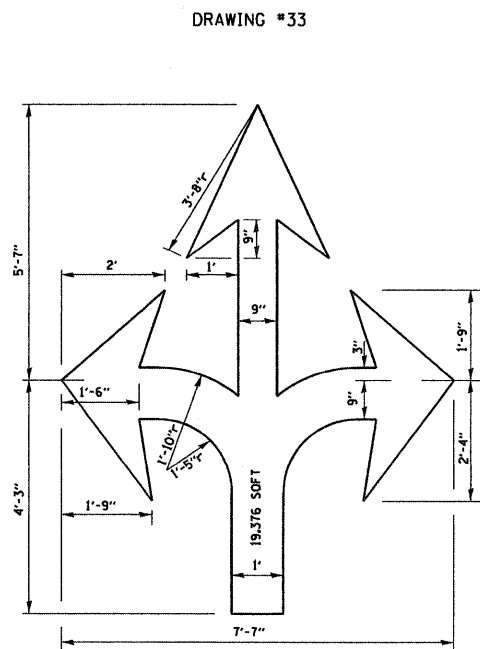
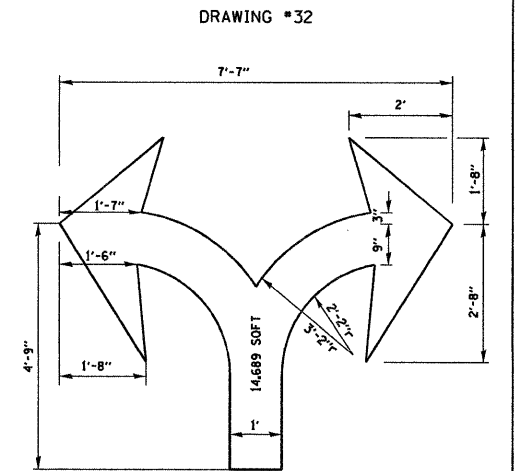
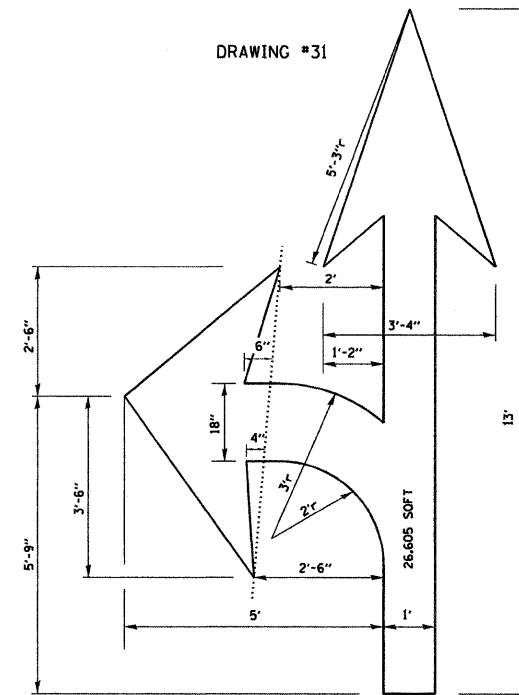
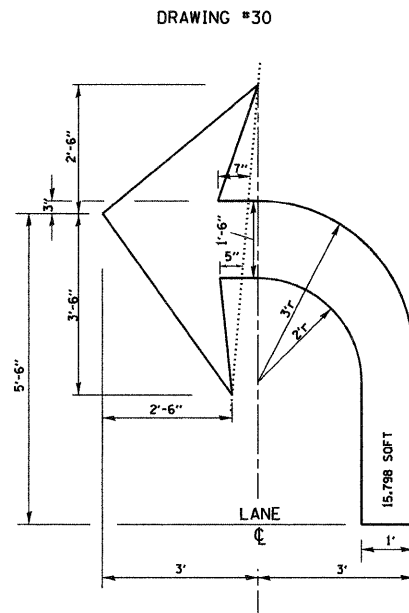
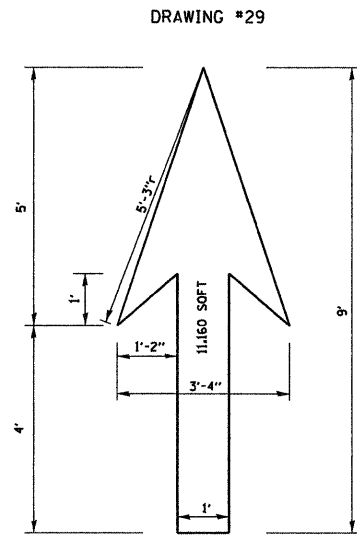
CITY OF CHICAGO		F.A.U. RTE. 1453	SECTION 2010-033 RS	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 21
SCALE: NONE		SHEET NO. 1 OF 2 SHEETS		STA. TO STA.	CONTRACT NO. 60K86	

FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT
-----------------------	--	----------	------------------



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



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

FILE NAME = W:\dststd\22x34\tc24.dgn

USER NAME = gegl1anobt
 PLOT SCALE = 50.000' / IN.
 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED - T. RAMMACHER 12-07-00
 REVISED -
 REVISED -
 REVISED -

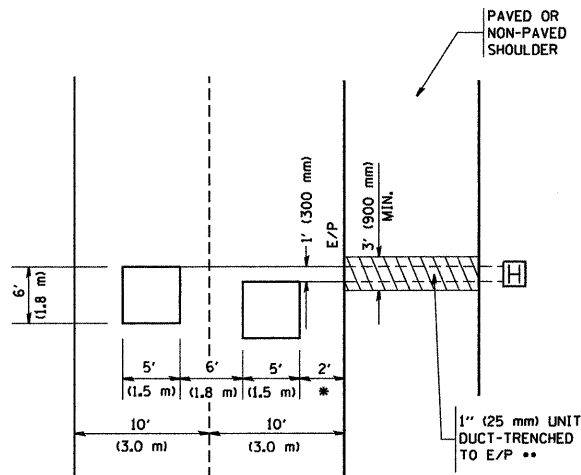
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS
 SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033 RS	COOK	23	22
TC-24		CONTRACT NO. 60K86		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



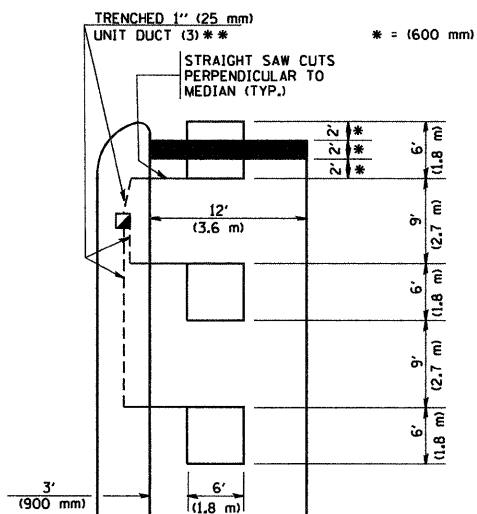
* = (600 mm)

** 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.

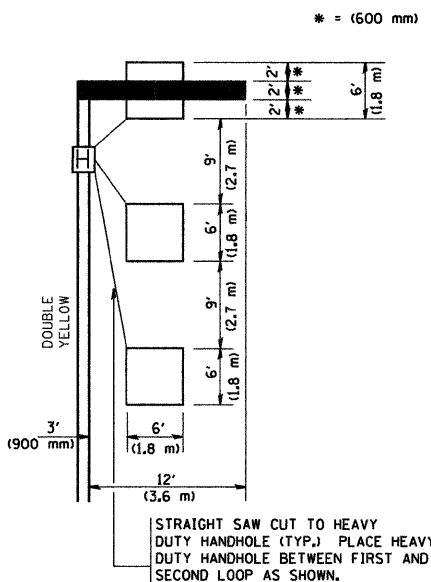


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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)



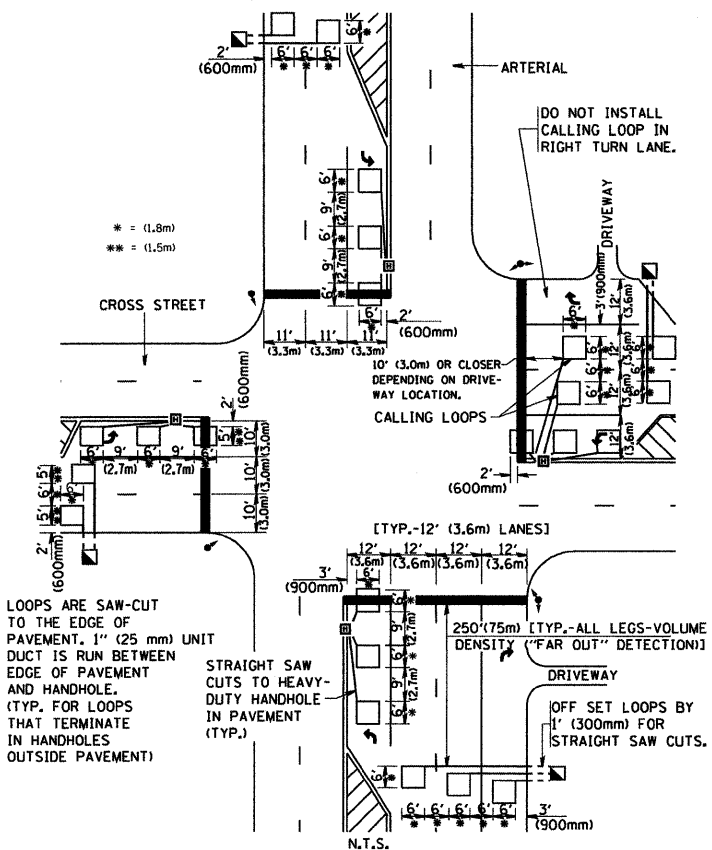
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

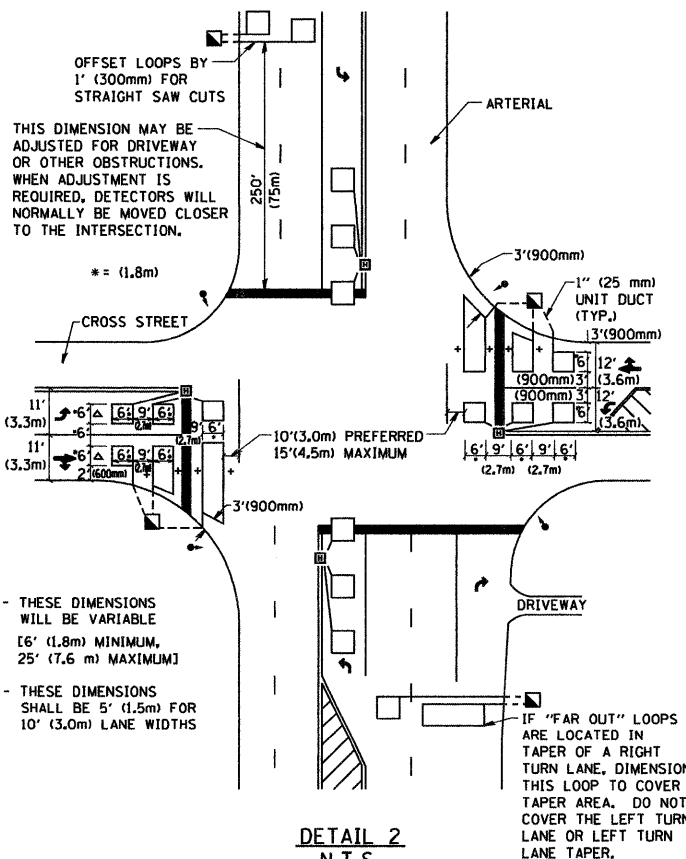
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST 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.

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



**DETAIL 1
N.T.S.**

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



**DETAIL 2
N.T.S.**

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:\dststd\22-34\ts07.dgn

USER NAME = gegljenobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	2010-033 RS	COOK	23	23
TS-07			CONTRACT NO. 60K86	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				