

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345/525	10 RS-9	KANE	28	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60G62		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAP 345 /525 (US 20)  
MCHENRY/KANE CO. LINE (GETTY RD.) TO IL 47  
SECTION: 10 RS-9  
RESURFACING IMPROVEMENT  
KANE COUNTY  
C-91-518-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

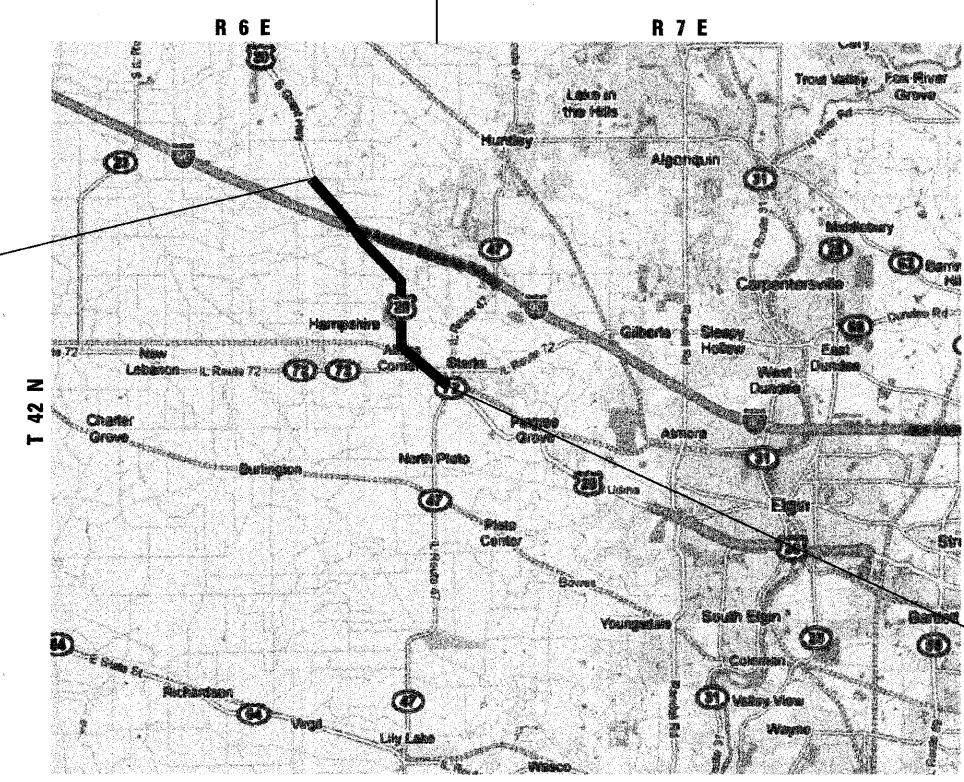
THE IMPROVEMENT IS LOCATED  
IN THE VILLAGE OF HAMPSHIRE



LOCATION OF SECTION INDICATED THIS: - [black bar] -

**STATION EQUATIONS**  
STA. 539 + 52.47 BACK = STA. 539 + 93.35 AHEAD  
STA. 692 + 96.84 BACK = STA. 10 + 00.00 AHEAD

PROJECT BEGINS  
STA. 383 + 18.82



HAMPSHIRE AND RUTLAND TOWNSHIPS



TRAFFIC DATA:  
2006 ADT = 8,400  
POSTED SPEED LIMIT = 55 MPH

PROJECT ENDS  
STA. 14 + 96.61



EXPIRATION DATE 11-30-09  
DATE 4-16-09

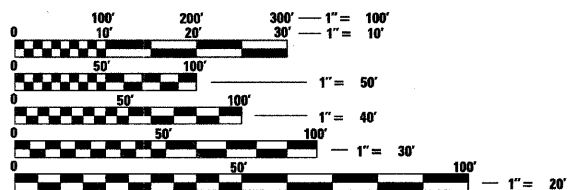
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED APRIL 16, 2009  
Diana M. O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 1, 2009  
Charles J. Dragsell  
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



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

**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450

CONTRACT NO. 60G62

GROSS LENGTH OF IMPROVEMENT = 31,434 LINEAL FEET = 5.95 MILES  
NET LENGTH OF IMPROVEMENT = 31,434 LINEAL FEET = 5.95 MILES

CONSULTANT PROJECT ENGINEER: ISSAM RAYYAN (847) 705-4556

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL SECTIONS
5 - 15	ROADWAY AND PAVEMENT MARKING PLANS
16	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
17	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
18	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
19	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
20	HMA TAPER AT EDGE OF PCC PAVEMENT (BD-33)
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS INTERSECTIONS AND DRIVEWAYS, (TC-10)
22	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
23	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
24	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
25	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
26	ARTERIAL ROAD INFORMATION SIGN (TC-22)
27	DRIVEWAY ENTRANCE SIGNING (TC-26)
28	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATION AND PATTERNS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-03	FRAME AND LIDS TYPE 1
604086-02	FRAME AND GRATE TYPE 23
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS ONLY
701336-05	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOUR NOTIFICATION IS REQUIRED).
- 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS 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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF HAMPSHIRE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 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" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT (847) 741-9857 AT LEAST (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE PROJECT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
- ALL HMA PAVEMENT PATCHING SHALL BE CLASS D.
- 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.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT, CLEANING OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 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.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS. STATIONS ARE SHOWN FOR REFERENCE ONLY AND APPROXIMATE.
- 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.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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.
- 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.
- UNLESS OTHER CONDITIONS WARRANT, EXTENDED LANE CLOSURES SHALL BE 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.
- 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.
- TEMPORARY RAMPS AT BUTT JOINTS SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT AS SHOWN ON THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET.
- MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT AND OMISSION LIMITS.
- 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.
- HMA SHOULDER MILLING AND RESURFACING SHALL BE AT LOCATIONS AS DIRECTED BY THE ENGINEER.

FILE NAME = ...General\p1n51809\dxd.dgn	USER NAME = gthuesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -			345	10 RS-9	KANE	28	2	
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -			CONTRACT NO. 60662					
		DATE - 04/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 28 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

URBAN  
100% STATE

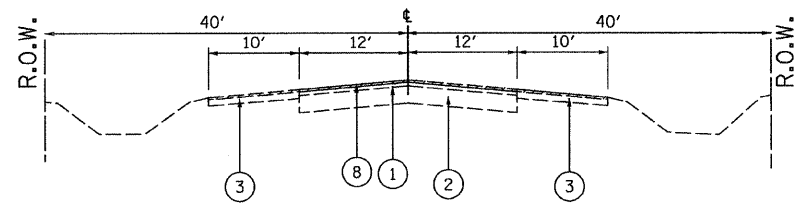
SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION		QUANTITIES	1000	SFTY-3J
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	50	50	
21400100	GRADING AND SHAPING DITCHES	FOOT	4200	4200	
25000210	SEEDING, CLASS 2A	ACRE	0.41	0.41	
25200100	SODDING	SQ YD	45	45	
25200110	SODDING, SALT TOLERANT	SQ YD	1933	1933	
28101500	RIPRAP, SPECIAL	SQ YD	252	252	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9766	9766	
40600300	AGGREGATE (PRIME COAT)	TON	25	25	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	144	144	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	8,203	8,203	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	96,752	96,752	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	900	900	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	726	726	
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	18	18	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	104	104	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	105	105	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	2,248	2,248	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,799	2,799	
55039700	STORM SEWERS TO BE CLEANED	FOOT	100	100	
60262700	INLETS TO BE RECONSTRUCTED	EACH	4	4	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
60400210	FRAMES, TYPE 3	EACH	4	4	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1,338		1,338
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22		22
63200310	GUARDRAIL REMOVAL	FOOT	963	963	
63500105	DELINEATORS	EACH	38	38	

\* SPECIALTY ITEM

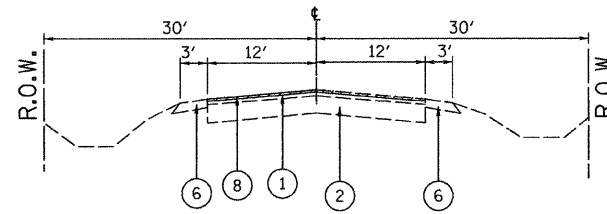
URBAN  
100% STATE

SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION		QUANTITIES	1000	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1		1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	62,073		62,073
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	186		186
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	124,146		124,146
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,543		1,543
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	605		605
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	794		794
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	12		12
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	186		186
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	124,146		124,146
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,543		1,543
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	605		605
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	794		794
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	12		12
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	950		950
* <del>78200400</del>	<del>GUARDRAIL REFLECTORS</del>	<del>EACH</del>	<del>38</del>		<del>38</del>
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	950		950
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70		70
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	488		488
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	308		308
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3,846		3,846
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1		1
70100400	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1		1

FILE NAME = ...General\p1n51889soq.dgn	USER NAME = gthiesso	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES US 20 - MCHENRY /KANE CD LINE (GETTY ROAD) TO ILL 47</b>	F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 3	Rev.
PLOT SCALE = N.T.S.	CHECKED - JJT	REVISIED -	SCALE: N.T.S.			SHEET NO. 3 OF 28 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60G62	
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISED -									



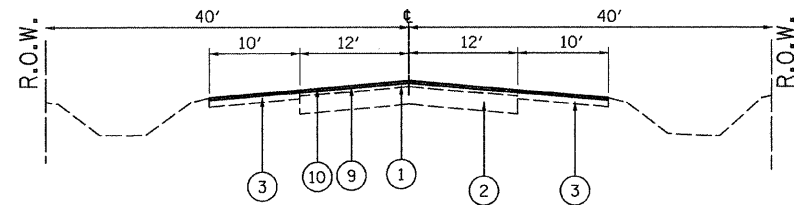
**U.S. ROUTE 20  
EXIST. TYPICAL SECTIONS**  
STA. 382+87 TO STA. 398+90



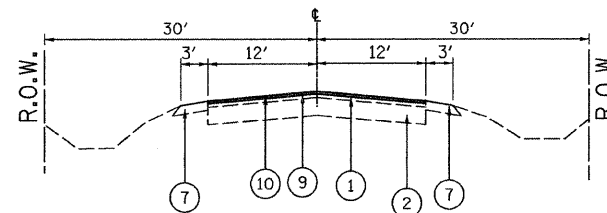
**U.S. ROUTE 20  
EXIST. TYPICAL SECTIONS**

STA. 427+92 TO STA. 692+96.84\*  
STA. 10+00 TO STA. 14+96.58\*

\* STA. EQ. 692+96.84 BK = 10+00 AH



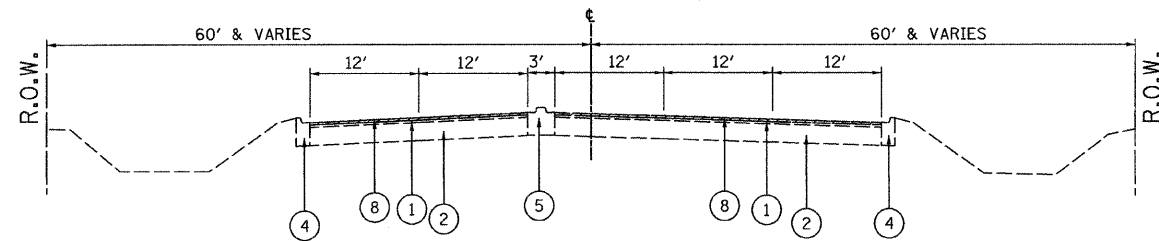
**U.S. ROUTE 20  
PROP. TYPICAL SECTIONS**  
STA. 382+87 TO STA. 398+90



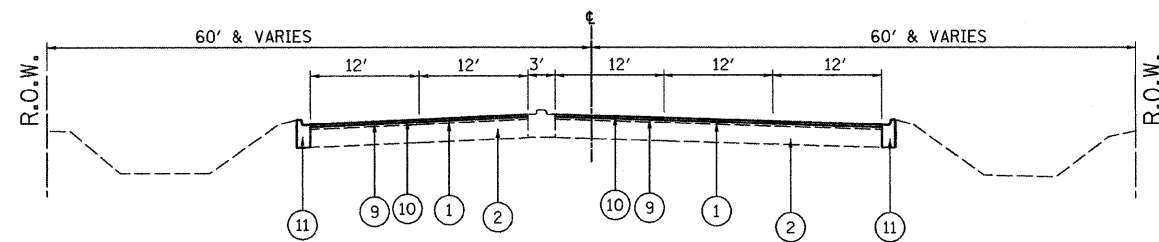
**U.S. ROUTE 20  
PROP. TYPICAL SECTIONS**

STA. 427+92 TO STA. 692+96.84\*  
STA. 10+00 TO STA. 14+96.58\*

\* STA. EQ. 692+96.84 BK = 10+00 AH



**U.S. ROUTE 20  
EXIST. TYPICAL SECTIONS**  
STA. 389+90 TO STA. 427+92



**U.S. ROUTE 20  
PROP. TYPICAL SECTIONS**  
STA. 389+90 TO STA. 427+92

**LEGEND**

- ① EXIST. HOT-MIX ASPHALT SURFACE, 3"
- ② EXIST. P.C. CONCRETE PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDER
- ④ EXIST. CURB & GUTTER
- ⑤ EXIST. CONCRETE MEDIAN OR CURB AND GUTTER
- ⑥ EXIST. AGGREGATE SHOULDER
- ⑦ AGGREGATE SHOULDERS, TYPE B
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1.5" (SEE NOTE 5)
- ⑨ PROP. POLYMERIZED LEVELING BINDER, N50, 3/4"
- ⑩ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 1.5"
- ⑪ COMBINATION CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT

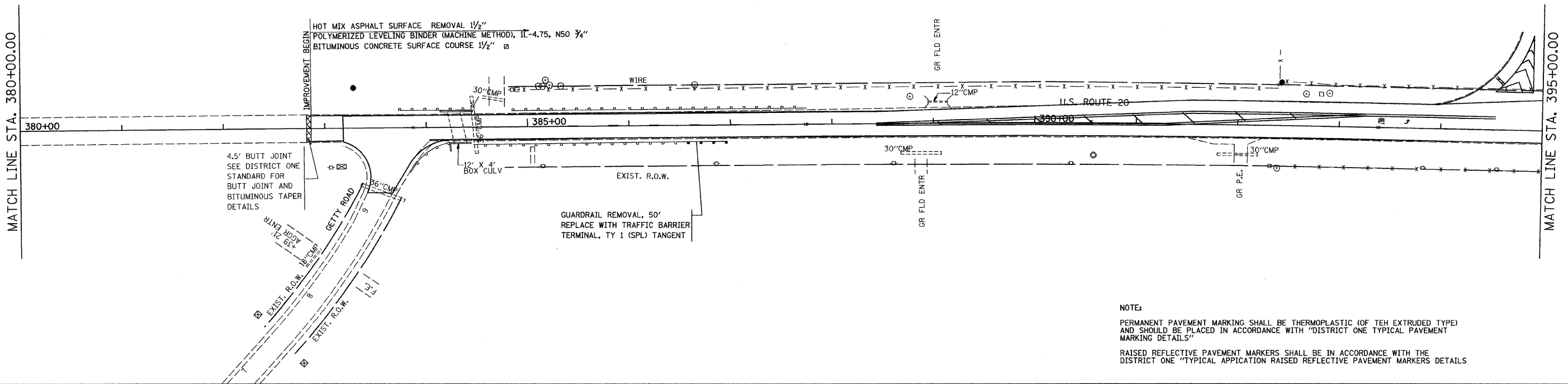
**NOTES:**

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
3. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22
4. AGGREGATE SHOULDERS, TYPE B SHALL BE PLACED AS DIRECTED BY THE ENGINEER
5. HOT-MIX ASPHALT SURFACE REMOVAL SHALL BE 2.75" AT THE I-90 UNDERPASS TO MAINTAIN EXISTING CLEARANCE

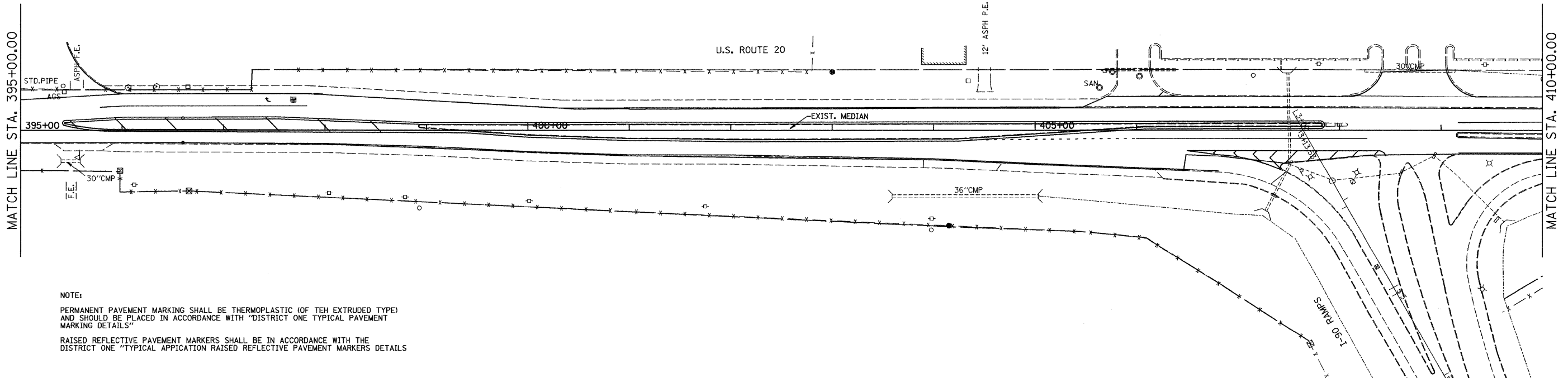
**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 GYP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50 (IL 4.5)	SBS/SBR PG 76-28/-22	4% @ 50 GYP

FILE NAME = ...xsec518@91a.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>			F.A. RTE. = 345	SECTION = 10 RS-9	COUNTY = KANE	TOTAL SHEETS = 28	SHEET NO. = 4
PLOT SCALE = N.T.S.	CHECKED - JJT	REVISIONS	SCALE: N.T.S.		SHEET NO. 4 OF 28 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60662			
PLOT DATE = 4/17/2009	DATE - 04/16/09											

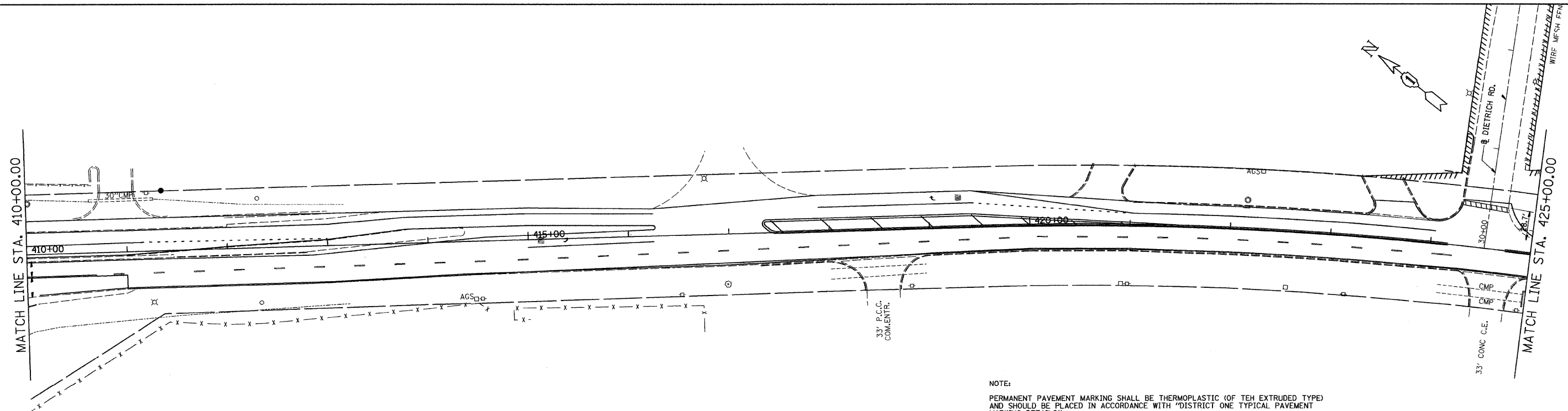


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

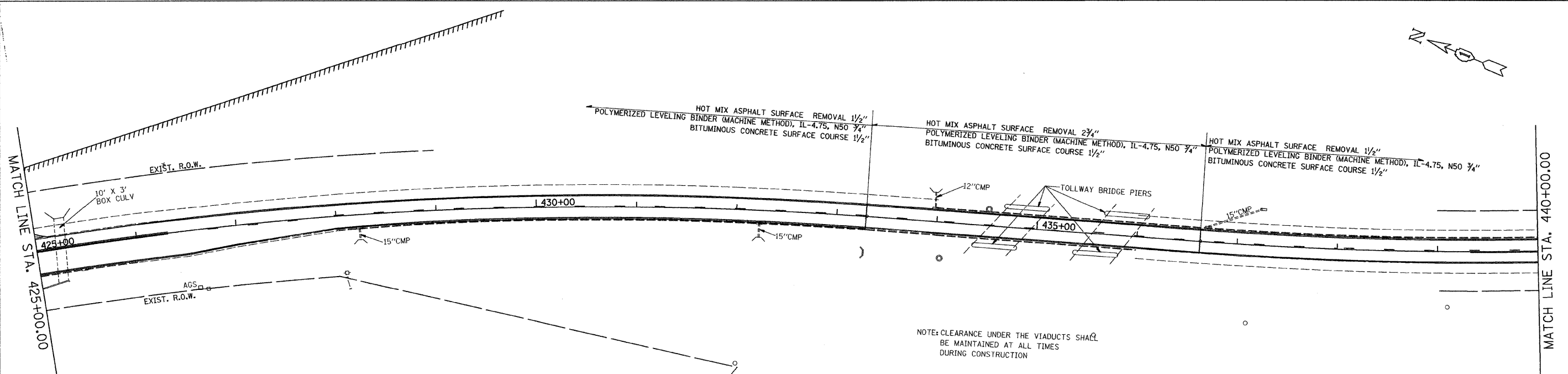


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME =	USER NAME = mooleman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...VP1ans\p1n60710\pp&mk1.dgn	PLOT SCALE = 1" = 50'	DRAWN - IS	REVISED -			345	10 RS-9	KANE	28	5	
PLOT DATE = 4/17/2009	DATE - 04/16/09	CHECKED - JJT	REVISED -			CONTRACT NO. 60G62					
		DATE - 04/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
					SCALE: 1" = 50'	SHEET NO. 5 OF 28 SHEETS	STA. 380+00.00 TO STA. 410+00.00				



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"



NOTE: CLEARANCE UNDER THE VIADUCTS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION

NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME =  
 ...Vp1ans\p1n60710pp&mk2.dgn

USER NAME = mooleman  
 PLOT SCALE = 1" = 50'  
 PLOT DATE = 4/17/2009

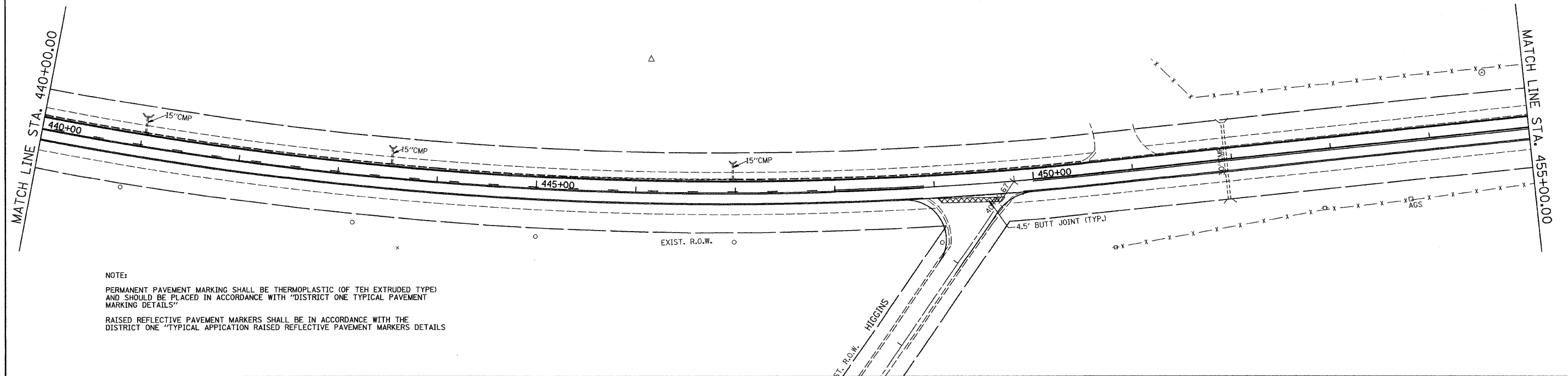
DESIGNED - TJJ  
 DRAWN - IS  
 CHECKED - JJT  
 DATE - 04/16/09

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

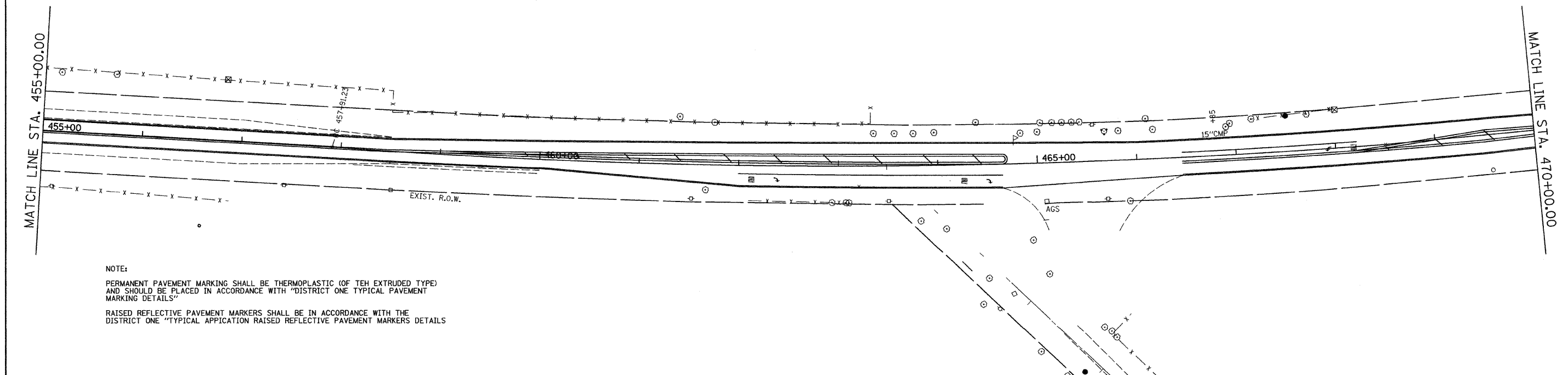
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT MARKING PLANS  
 US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47  
 SCALE: 1" = 50' SHEET NO. 6 OF 28 SHEETS STA. 410+00.00 TO STA. 440+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60662	



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME =  
 ...VP1ans\p1n60710pp&mr-k3.dgn

USER NAME = mooleman  
 PLOT SCALE = 1" = 50'  
 PLOT DATE = 4/17/2009

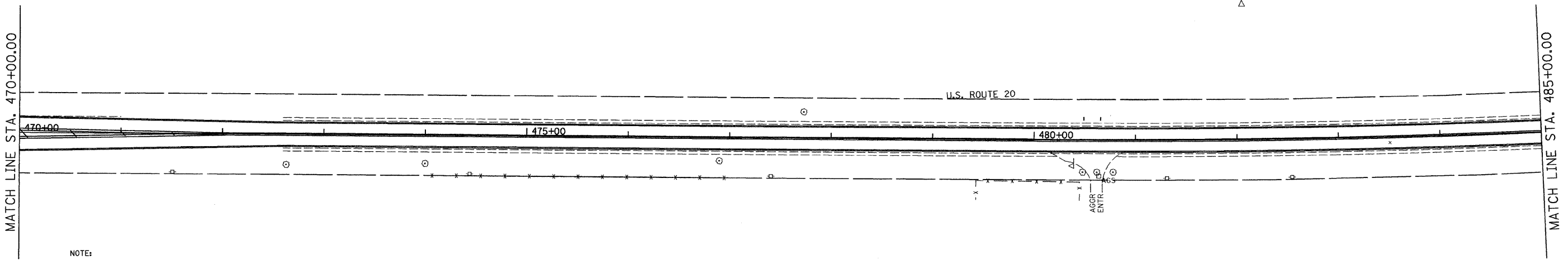
DESIGNED - TJJ  
 DRAWN - IS  
 CHECKED - JJT  
 DATE - 04/16/09

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

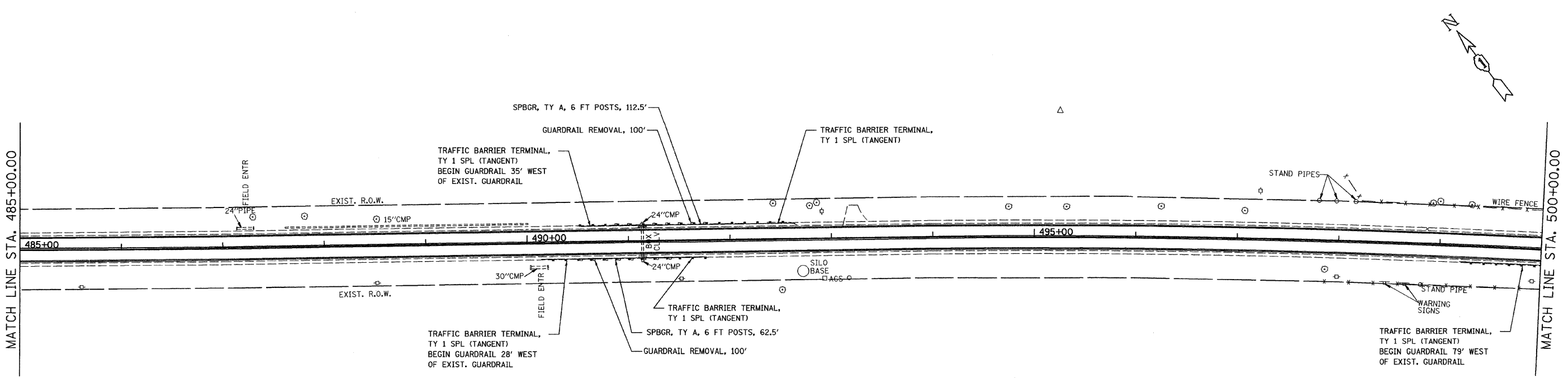
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY & PAVEMENT MARKING PLANS**  
**US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47**  
 SCALE: 1" = 50' SHEET NO. 7 OF 28 SHEETS STA. 440+00.00 TO STA. 470+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60662	



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME =  
 ...VP1ans\p1n60710pp&mrk4.dgn

USER NAME = mcoleman  
 PLOT SCALE = 1" = 50'  
 PLOT DATE = 4/17/2009

DESIGNED - TJJ  
 DRAWN - IS  
 CHECKED - JJT  
 DATE - 04/16/09

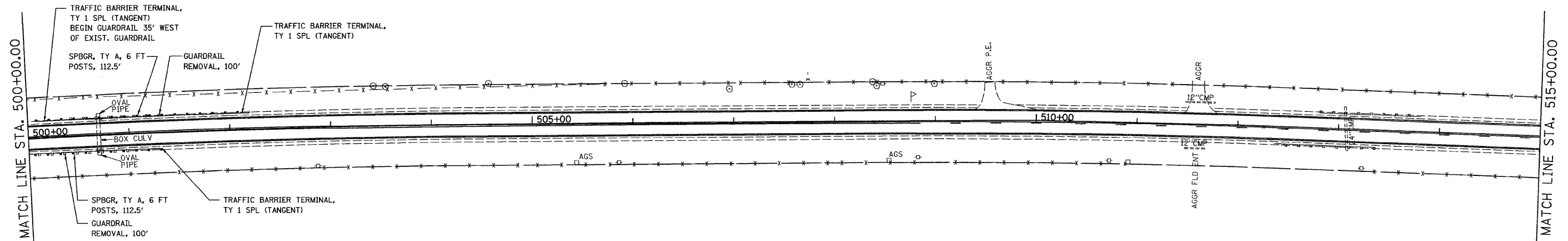
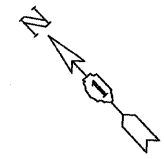
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

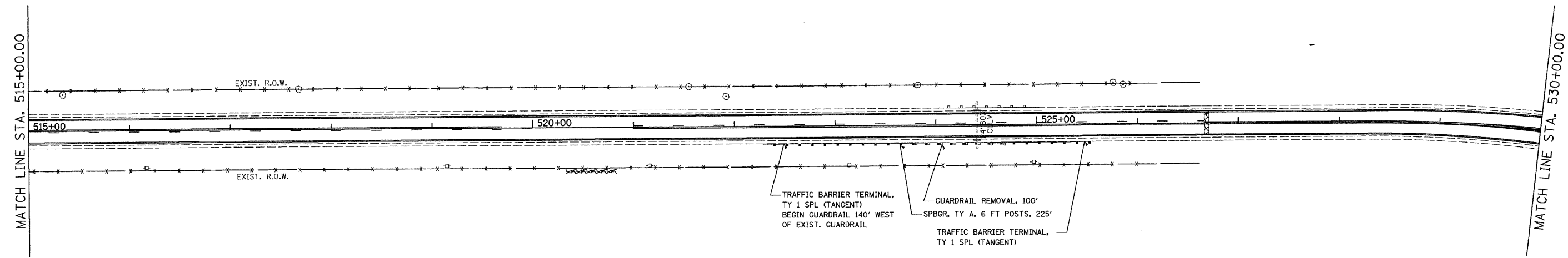
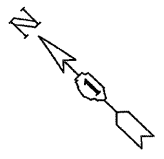
**ROADWAY & PAVEMENT MARKING PLANS**  
**US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47**  
 SCALE: 1" = 50' SHEET NO. 8 OF 28 SHEETS STA. 470+00.00 TO STA. 500+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G62	



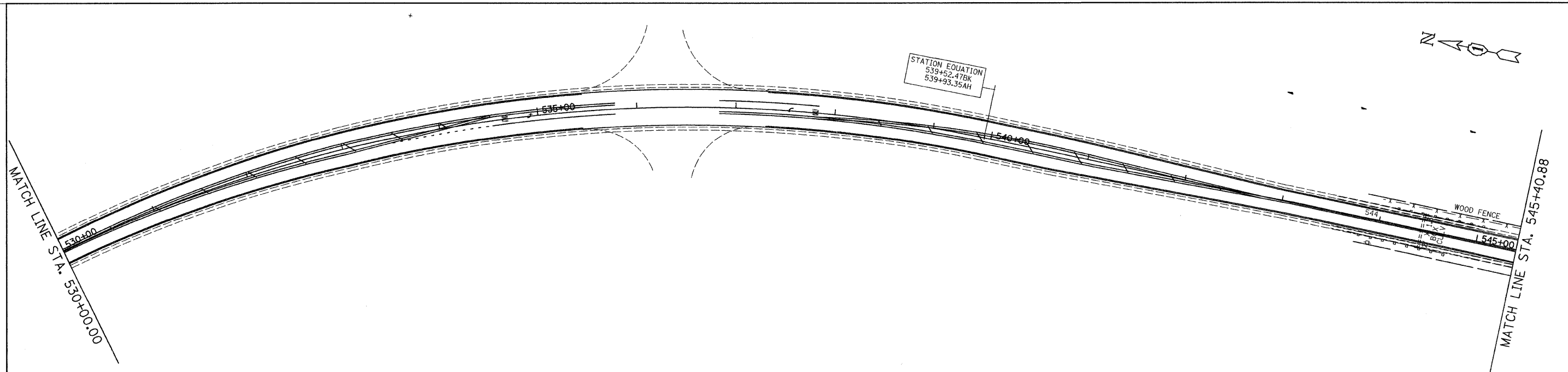


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

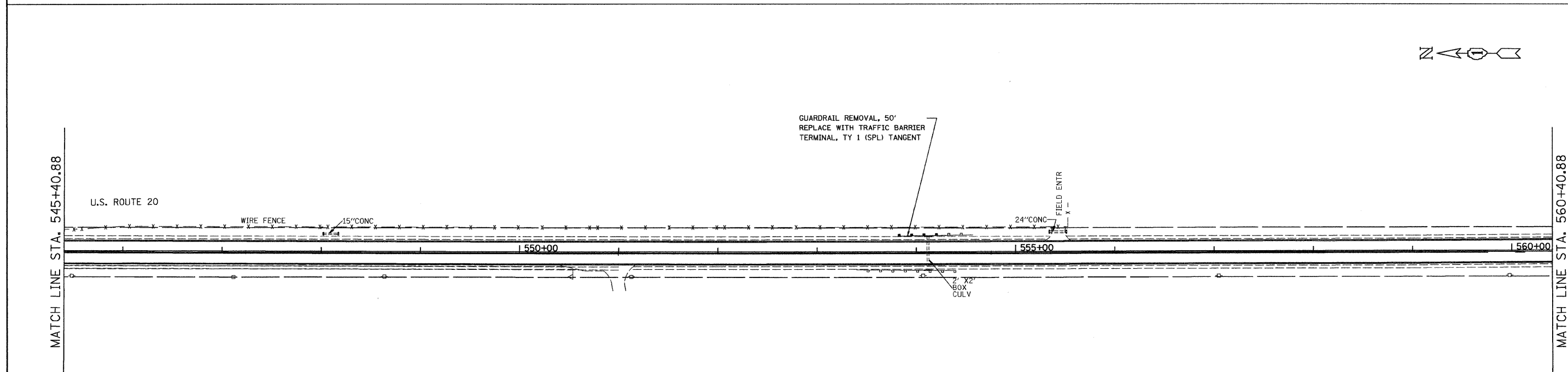


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ... \P1ans\p1n60710pp5mrk5.dgn	USER NAME = mooleman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>			F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 9
	PLOT SCALE = 1" = 50'	CHECKED - JJT	REVISED -		SCALE: 1" = 50'			SHEET NO. 9 OF 28 SHEETS	STA. 500+00.00 TO STA. 530+00.00	CONTRACT NO. 60G62		
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISED -			FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT				

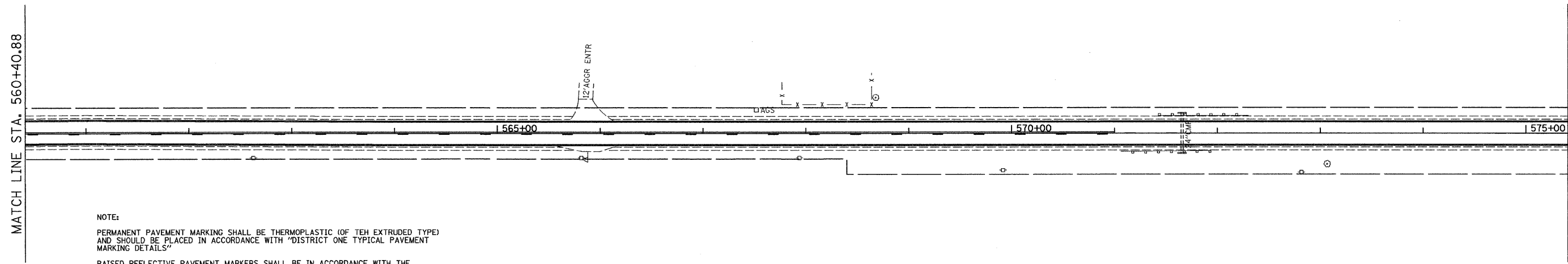
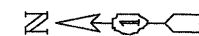


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

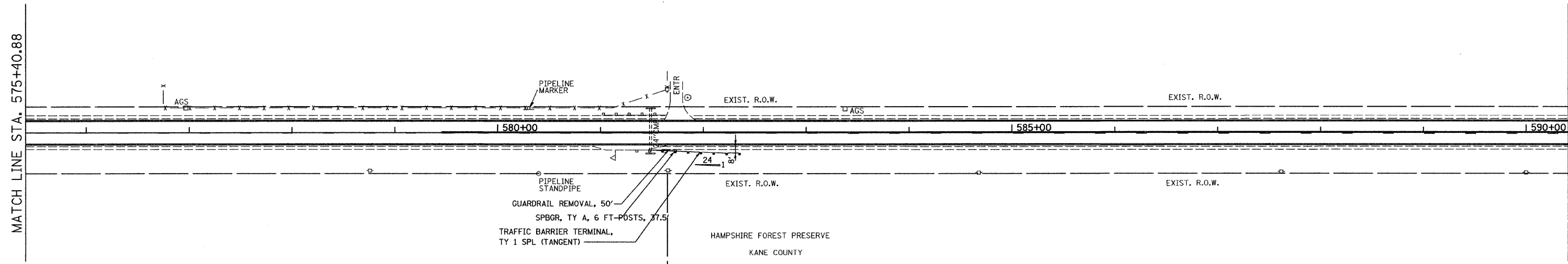
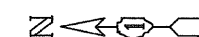


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ...\\p1ens\p1n60710pp&mrk6.dgn	USER NAME = mooleman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>		F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 10	
PLOT SCALE = 1" = 50'	CHECKED - JJT	DATE - 04/16/09	REVISED -		SCALE: 1" = 50'	SHEET NO. 10 OF 28 SHEETS	STA. 530+00.00 TO STA. 560+40.88	CONTRACT NO. 60662				
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

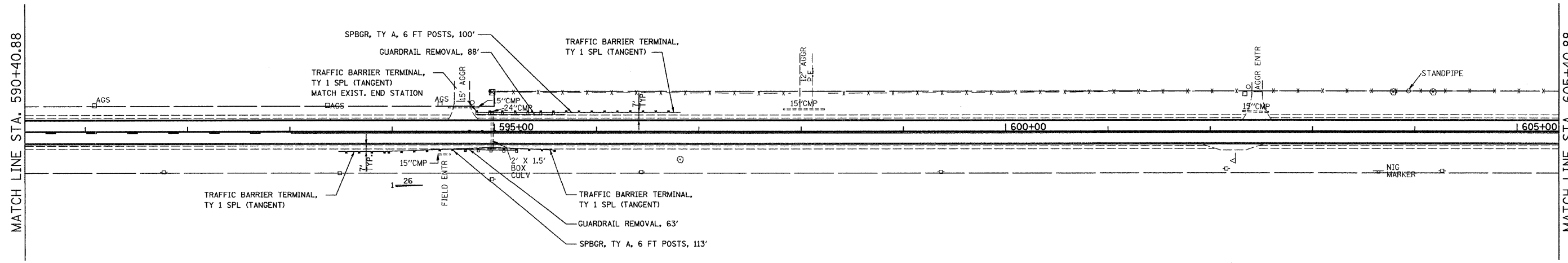
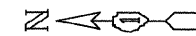


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

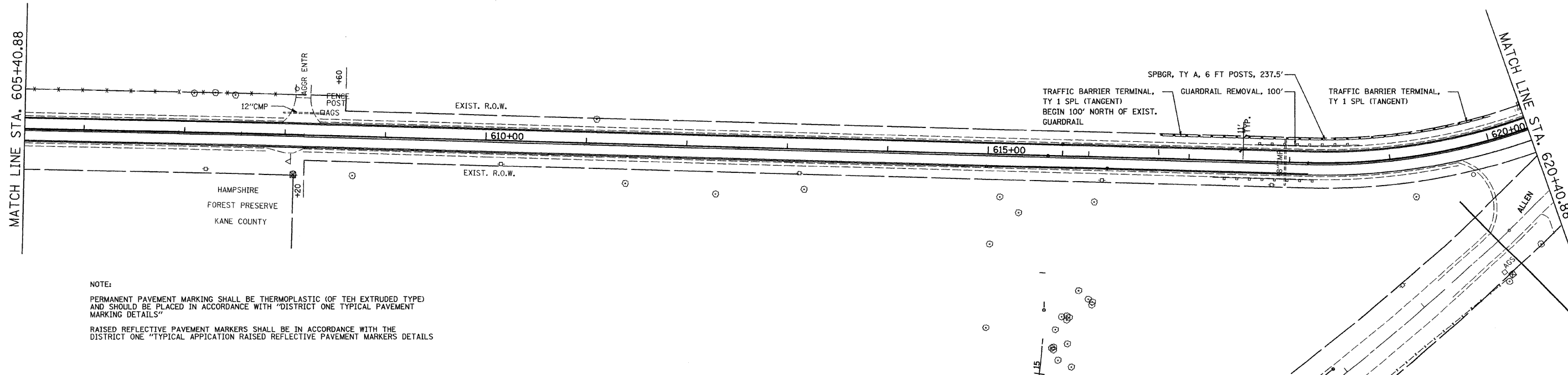
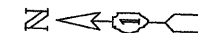


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ...VP1ans\p1n60710pp&mr-k7.dgn	USER NAME = moolaman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>		F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 11	
	PLOT SCALE = 1" = 50'	DRAWN - IS	REVISED -		SCALE: 1" = 50'	SHEET NO. 11 OF 28 SHEETS	STA. 560+40.88 TO STA. 590+40.88	CONTRACT NO. 60662				
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 04/16/09	REVISED -									

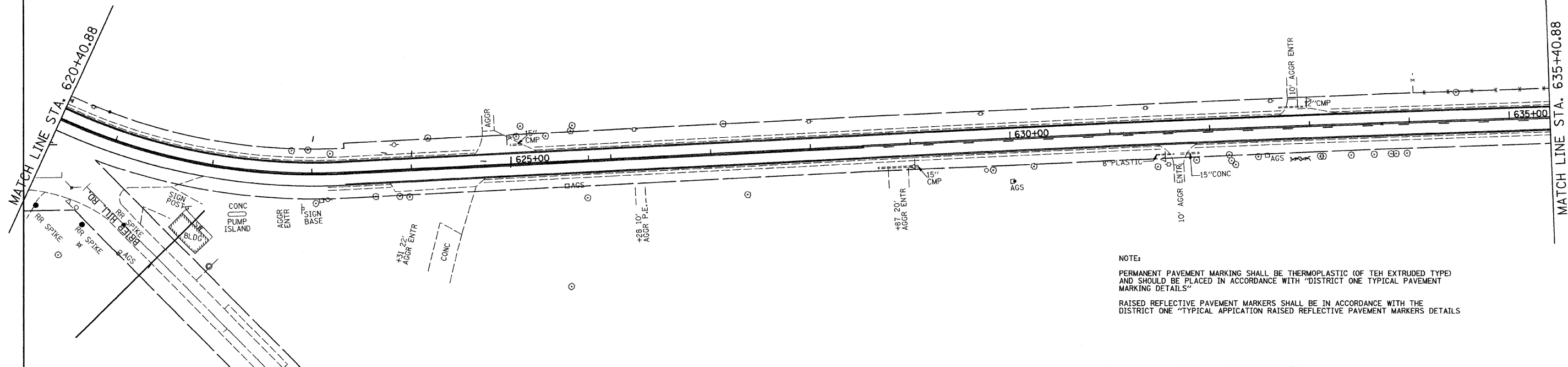


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

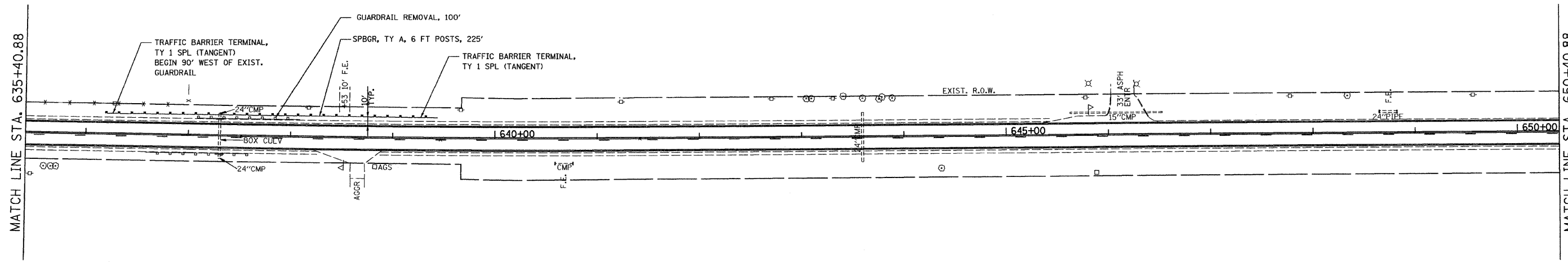


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ... \P1ans\p1n60710pp&mr-k8.dgn	USER NAME = mooleman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>		F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 12	
PLOT SCALE = 1" = 50'					SCALE: 1" = 50'		SHEET NO. 12 OF 28 SHEETS		STA. 590+40.88 TO STA. 620+40.88		CONTRACT NO. 60662	
PLOT DATE = 4/17/2009					DATE = 04/16/09		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

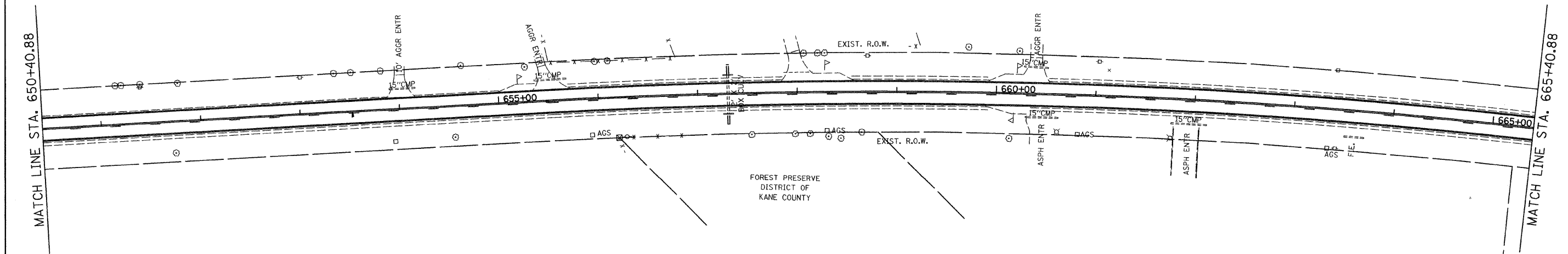


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

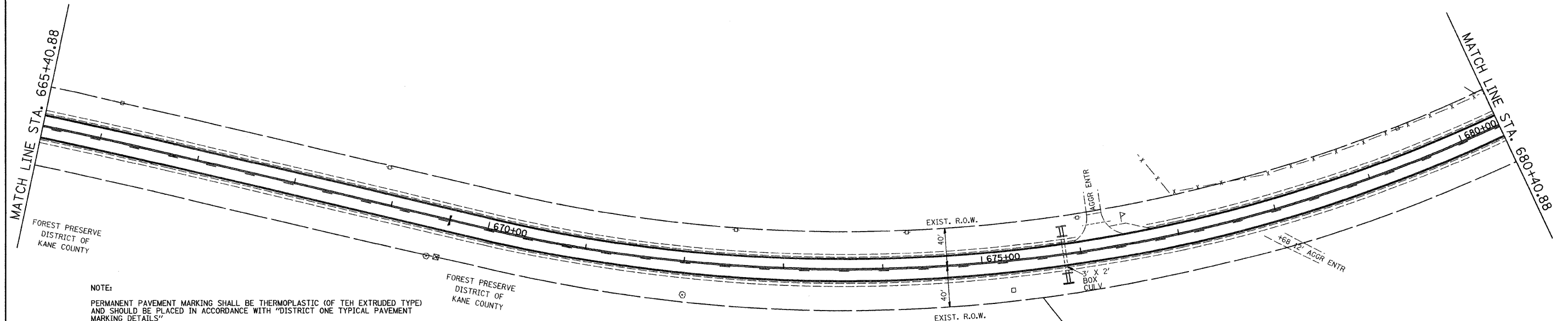


NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ...VPlans\p1n60710pp&mrk9.dgn	USER NAME = mooleman	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY &amp; PAVEMENT MARKING PLANS US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47</b>			F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 13
PLOT SCALE = 1" = 50'	CHECKED - JJT	DATE - 04/16/09	REVISED -		SCALE: 1" = 50'	SHEET NO. 13 OF 28 SHEETS	STA. 620+40.88 TO STA. 650+40.88	CONTRACT NO. 60662				
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME =  
 ...VP1ans\p1n60710pp&mr-k10.dgn

USER NAME = mooleman  
 PLOT SCALE = 1" = 50'  
 PLOT DATE = 4/17/2009

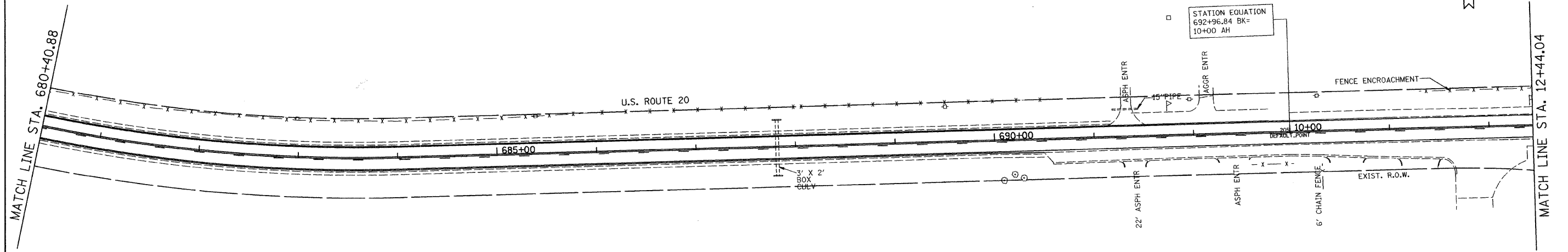
DESIGNED - TJJ  
 DRAWN - IS  
 CHECKED - JJT  
 DATE - 04/16/09

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

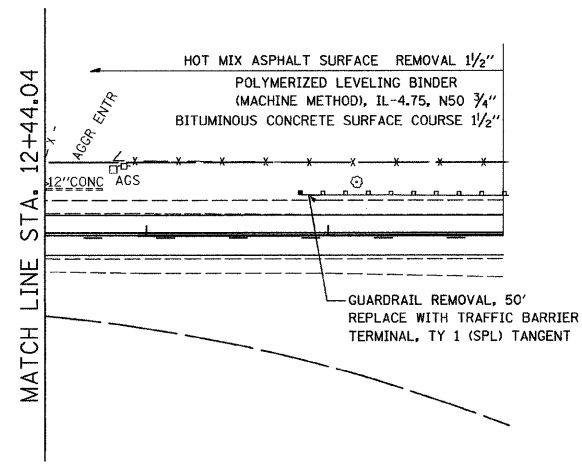
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY & PAVEMENT MARKING PLANS**  
**US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47**  
 SCALE: 1" = 50' SHEET NO. 14 OF 28 SHEETS STA. 650+40.88 TO STA. 680+40.88

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G62		



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"



NOTE:  
 PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC (OF TEH EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS"  
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS"

FILE NAME = ...\\plans\p1n60710pp&mr-k11.dgn	USER NAME = moolaman	DESIGNED - TJJ	REVISED -
		DRAWN - IS	REVISED -
		CHECKED - JJT	REVISED -
		DATE - 04/16/09	REVISED -

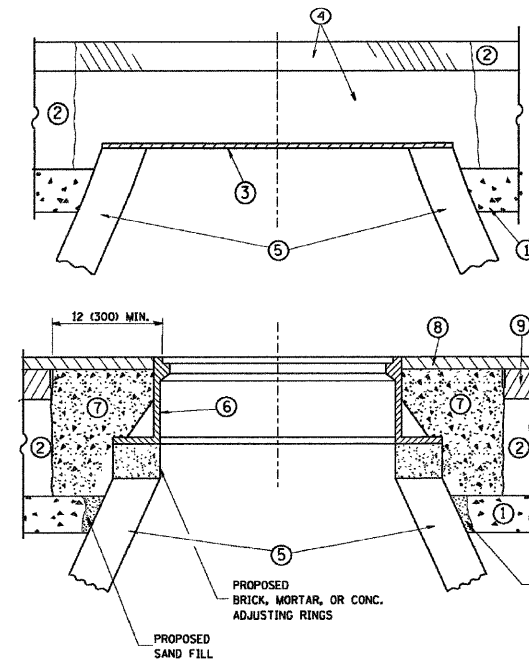
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY & PAVEMENT MARKING PLANS  
 US 20 - MCHENRY /KANE CO LINE (GETTY ROAD) TO ILL 47**

SCALE: 1" = 50'    SHEET NO. 15 OF 28 SHEETS    STA. 680+40.88 TO STA. 14+96.91

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	15
CONTRACT NO. 60G62				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

CONTRACT NO.				
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



- CONSTRUCTION PROCEDURES**
- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 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 S1 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 S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
  - ⑧ PROPOSED HMA SURFACE COURSE
  - ⑨ PROPOSED HMA BINDER COURSE

**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.

**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.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/26/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: VERT. NONE  
HORIZ. NONE

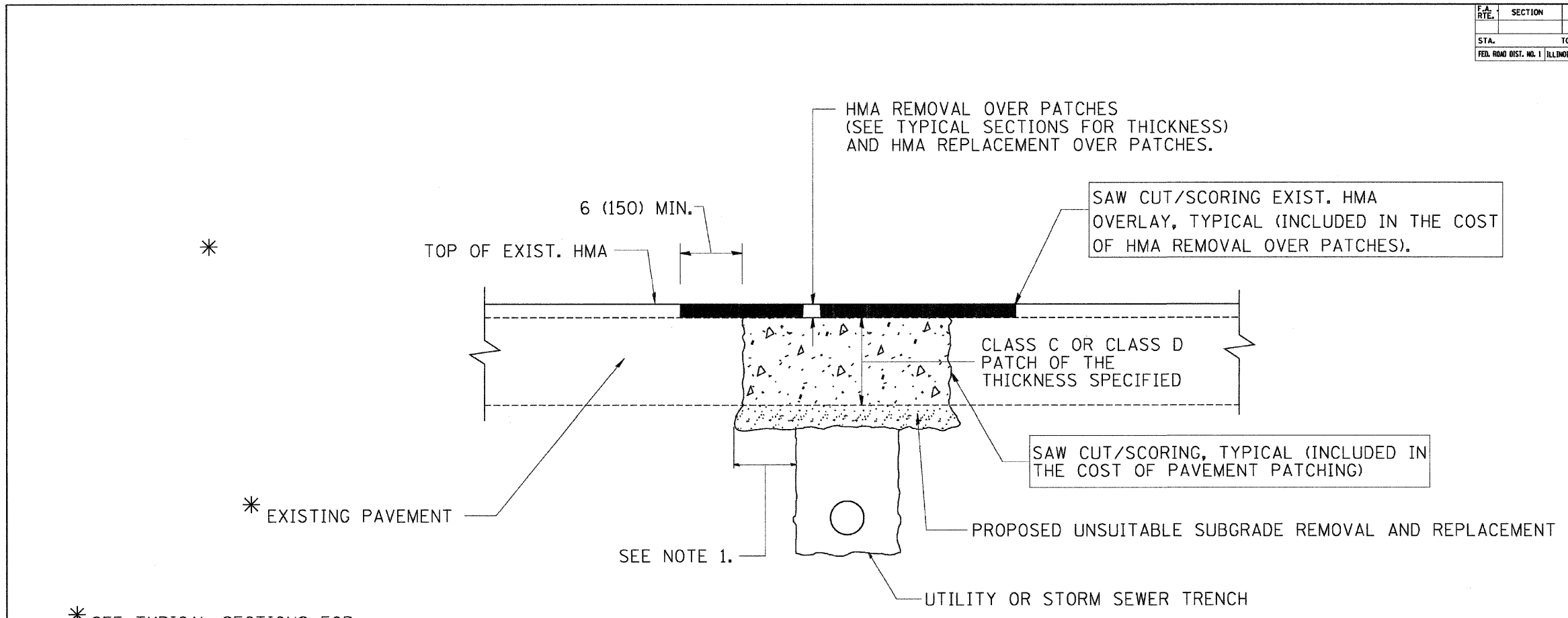
DRAWN BY  
CHECKED BY  
BD600-03 (BD-8)

PLOT DATE = 3/6/2007  
PLOT SCALE = 1/8"=1'-0"  
PLOT USER = gthesse

FILE NAME = ...p\1518091_01st1_0et08.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>	F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = N.T.S.	CHECKED - JJT	REVISIONS -	345			10 RS-9	KANE	28	16			
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISIONS -	CONTRACT NO. 60662									
						SCALE: N.T.S.	SHEET NO. 16 OF 28 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

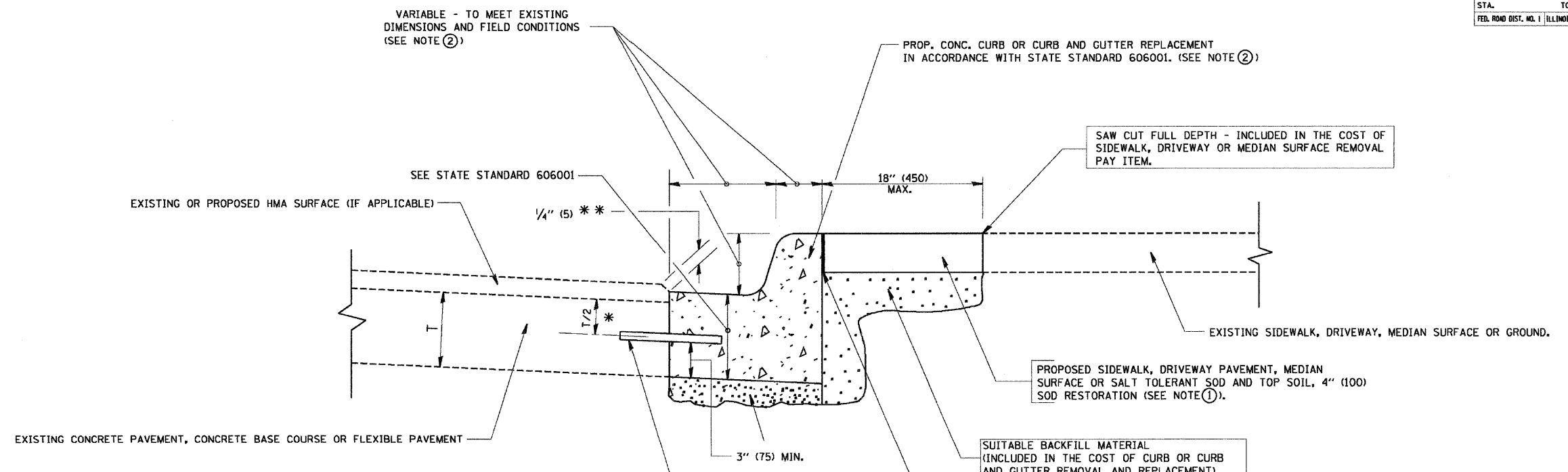
REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/96
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/01
R. BORO	09/04/01

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT**  
 SCALE: VERT. NONE  
 HORIZ. DRAWN BY  
 CHECKED BY  
 BD400-04 (BD-22)

PLOT DATE = 9/1/2007  
 USER NAME = gthosse  
 PLOT SCALE = N.T.S.  
 PLOT DATE = 4/17/2009

FILE NAME = ...p\in51809_0.dwt1.Det09.dgn	USER NAME = gthosse	DESIGNED - TJJ	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISIONS -			345	10 RS-9	KANE	28	17	
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISIONS -			CONTRACT NO. 60662					
		DATE - 04/16/09	REVISIONS -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: N.T.S.	SHEET NO. 17 OF 28 SHEETS	STA.	TO STA.		

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT				



\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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".

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

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

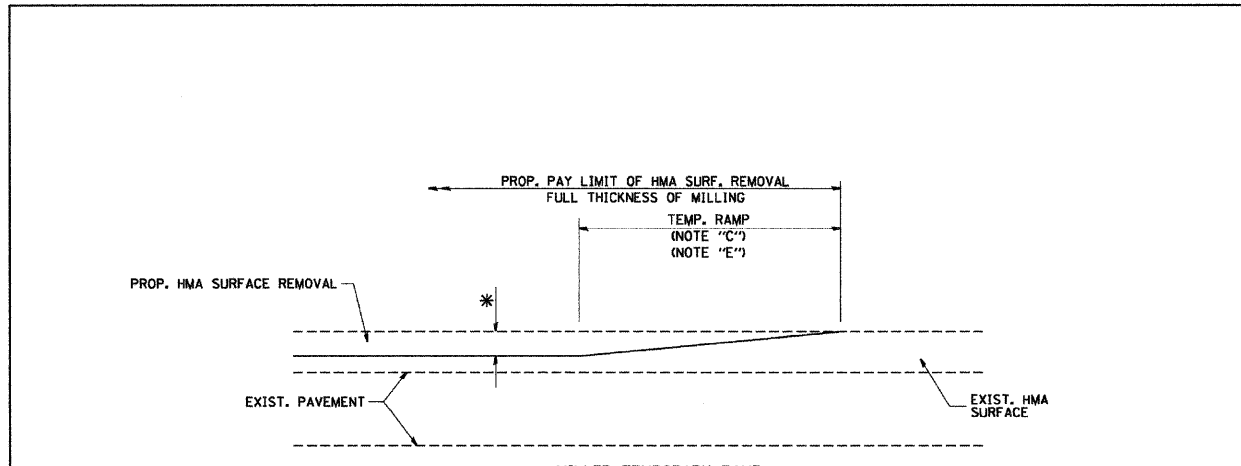
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**  
SCALE: VERT. NONE  
HORIZ.  
DRAWN BY  
CHECKED BY  
BD600-06 (BD-24)

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

PLOT DATE = 3/16/2007  
PLOT SCALE = 1/8" = 1'-0"  
USER NAME = bbornd

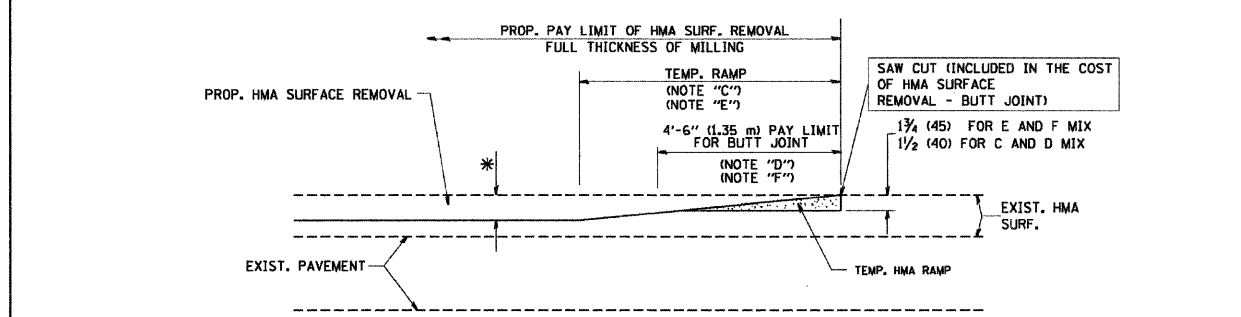
FILE NAME = ...\\p1n51809_Dist1_Det10.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - JS	REVISED -			345	10 RS-9	KANE	28	18	
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -			CONTRACT NO. G0662					
		DATE - 04/16/09	REVISED -			FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT					
						SCALE: N.T.S.	SHEET NO. OF 28 SHEETS	STA.	TO STA.		

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
STA.	TO STA.		
FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT			



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

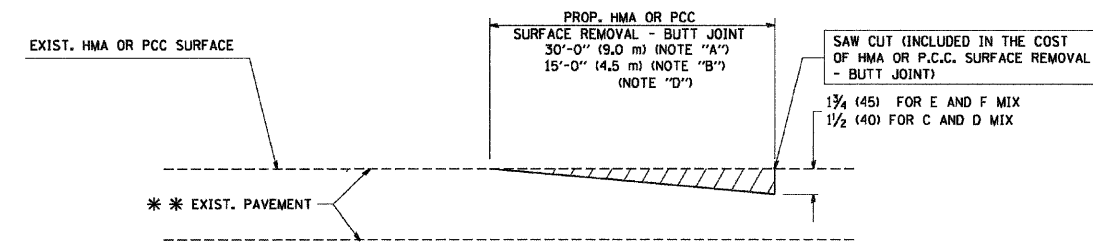
**OPTION 1**



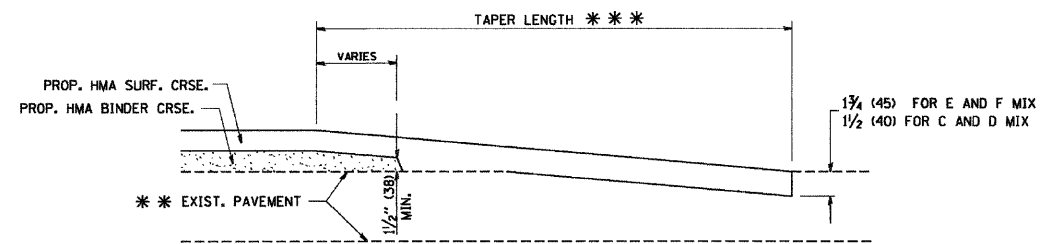
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

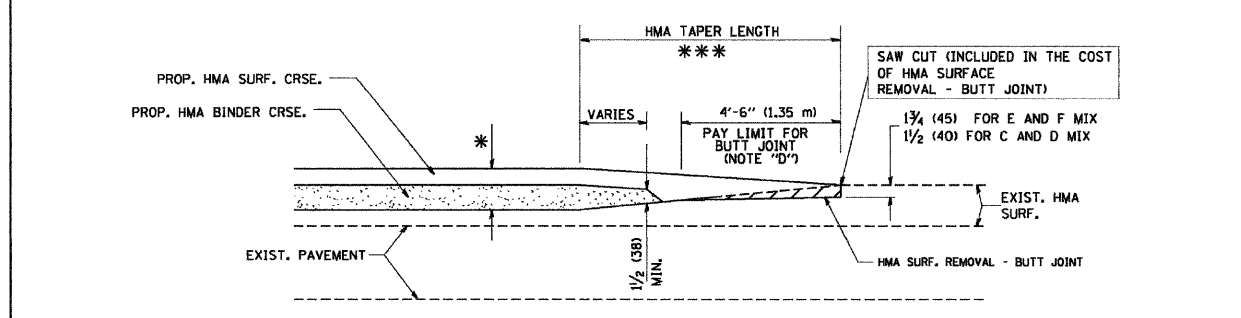
**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**NOTES**

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

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



**BUTT JOINT AND HMA TAPER**

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

**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".

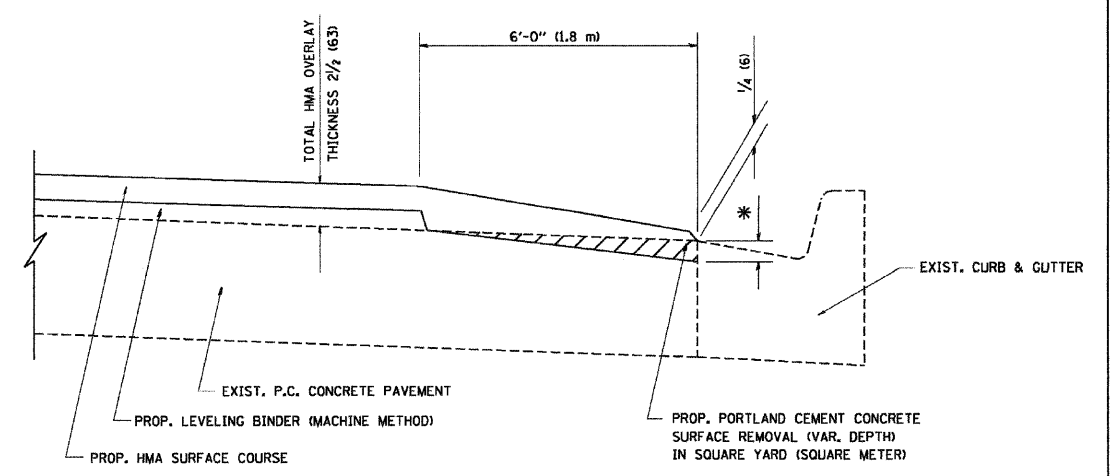
REVISIONS	
NAME	DATE
W. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BUTT JOINT AND HMA TAPER DETAILS**  
SCALE: VERT. NONE  
DRAWN BY  
CHECKED BY  
BD400-05 (V1=BD32)

PLOT DATE = 2/16/2009  
 PLOT SCALE = N.T.S.  
 PLOT NAME = ...\\p1n51809...Dist1.Det11.dgn  
 USER NAME = gthesse

FILE NAME = ...\\p1n51809...Dist1.Det11.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -	345			10 RS-9	KANE	28	19	
PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -	CONTRACT NO. 60662							
	DATE - 04/16/09	REVISED -	FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT							
						SCALE: N.T.S.	SHEET NO. 19 OF 28 SHEETS	STA.	TO STA.	

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	LEVELING BINDER		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS	
C OR D	1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

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

REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
F. GOMEZ	12/21/00
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT

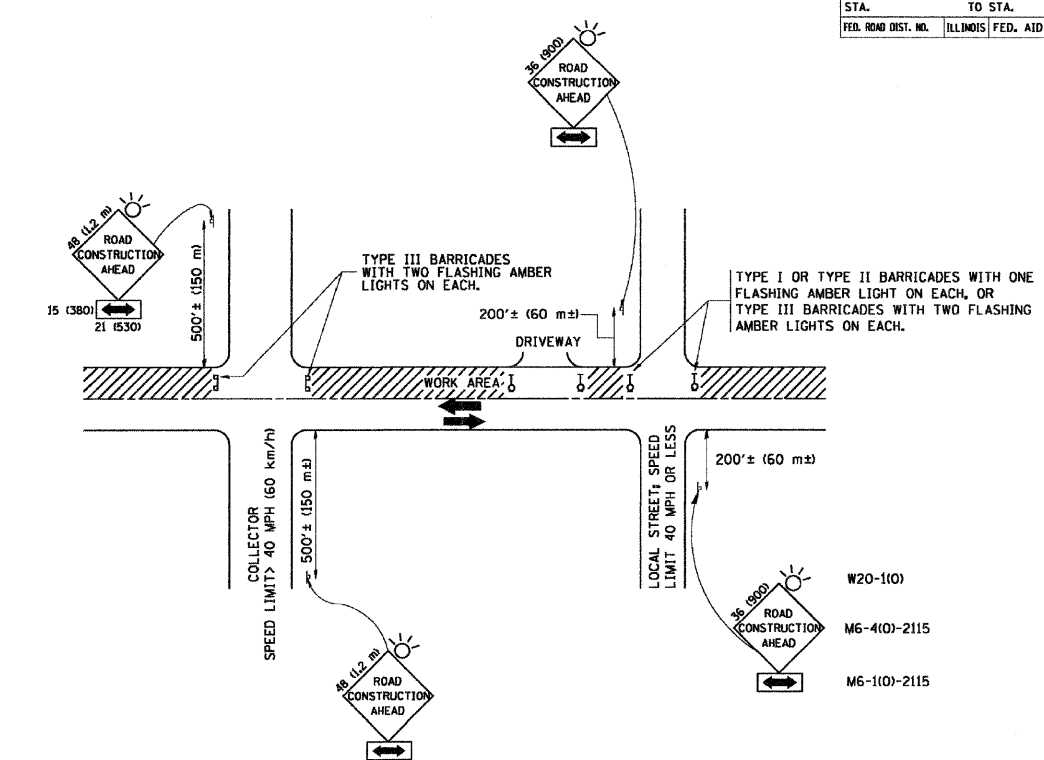
SCALE: VERT. NONE  
HORIZ. 1

DRAWN BY Jis  
CHECKED BY A. ABBAS  
BD400-06 (BD33)

PLOT DATE = 3/6/2007  
PLOT SCALE = N.T.S.  
USER NAME = gthessae

FILE NAME = ...p\In51809_Dist1_Det12.dgn	USER NAME = gthessae	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -			345	10 RS-9	KANE	28	20	
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -			CONTRACT NO. 60662					
		DATE - 04/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 20 OF 28 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.		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 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.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

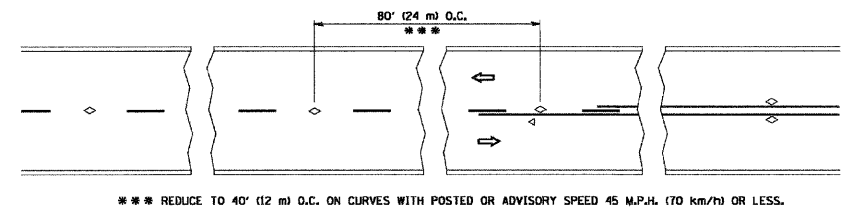
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE DRAWN BY  
 CHECKED BY  
 TC-10

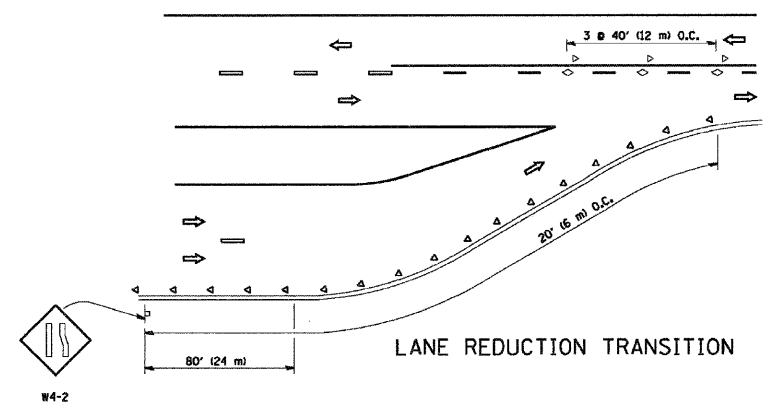
PLOT DATE = 3/6/2007  
 PLOT SCALE = N.T.S.  
 USER NAME = gthesse

FILE NAME = ...\\pin51809_Dist1_Det01.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -		SCALE: N.T.S.	SHEET NO. 21 OF 28 SHEETS	STA.	TO STA.	345	10 RS-9	KANE	28	21
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -							CONTRACT NO. 60662			
		DATE - 04/16/09	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

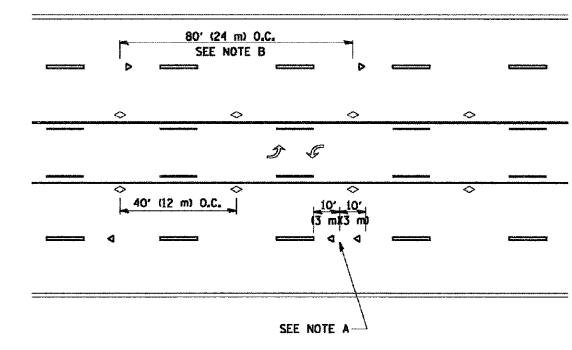
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



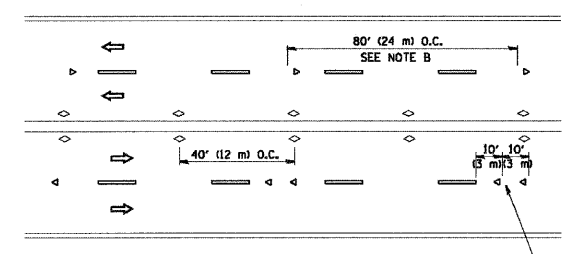
TWO-LANE/TWO-WAY



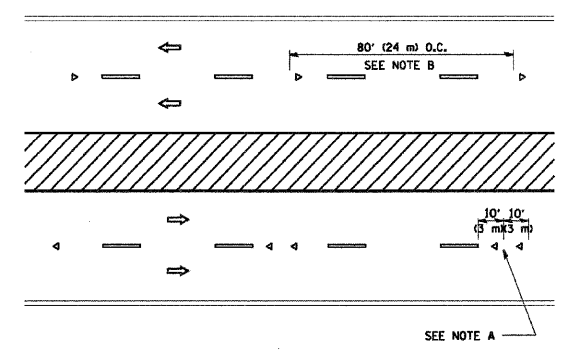
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

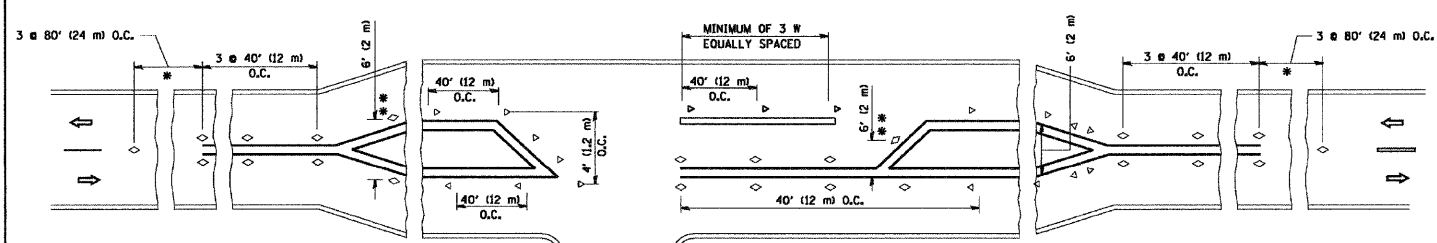
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◊ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

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



LEFT TURN

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT  
MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE

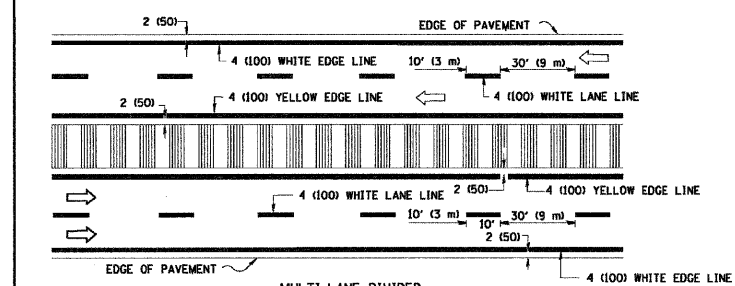
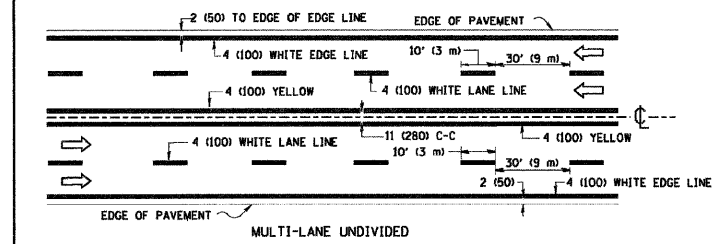
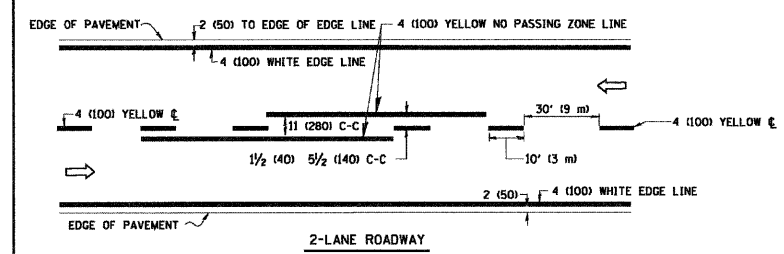
DRAWN BY CADD  
CHECKED BY  
TC-11

DATE = 2/2/2009  
 USER NAME = gthiesse  
 PLOT SCALE = N.T.S.  
 USER NAME = board

FILE NAME = ...p\151809_Dist1_De102.dgn	USER NAME = gthiesse	DESIGNED - TJJ	REVISSED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISSED -		SCALE: N.T.S.	SHEET NO. 22 OF 28 SHEETS	STA.	TO STA.	345	10 RS-9	KANE	28	22
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISSED -		CONTRACT NO. 60662								
		DATE - 04/16/09	REVISSED -		ILLINOIS FED. AID PROJECT								

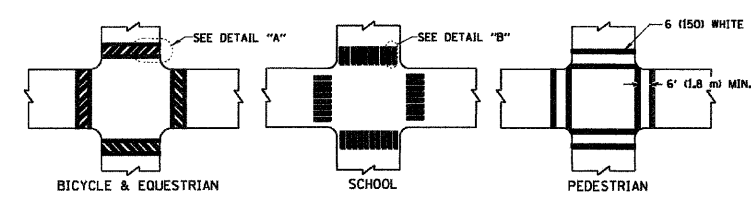
CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	10 RS-9	KANE	28	23
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT

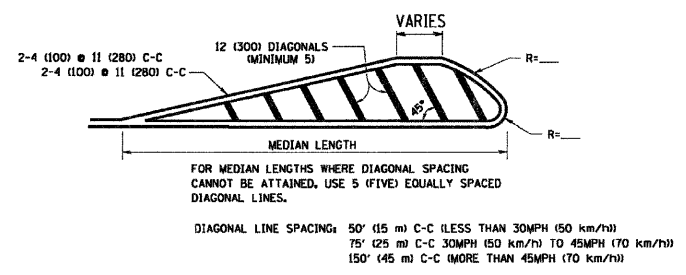
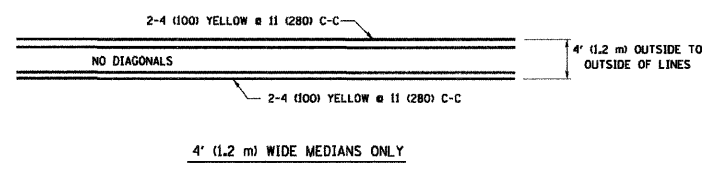


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

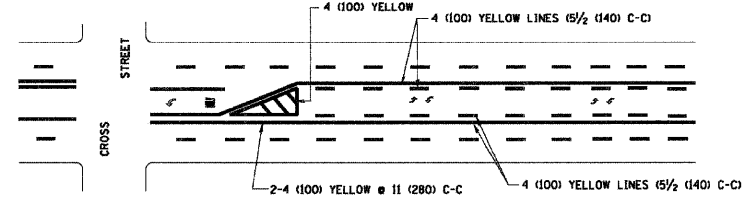
TYPICAL LANE AND EDGE LINE MARKING



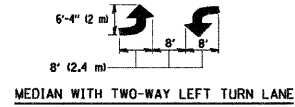
TYPICAL CROSSWALK MARKING



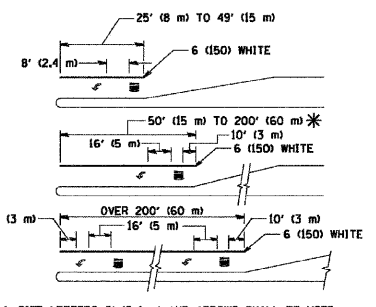
TYPICAL PAINTED MEDIAN MARKING



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

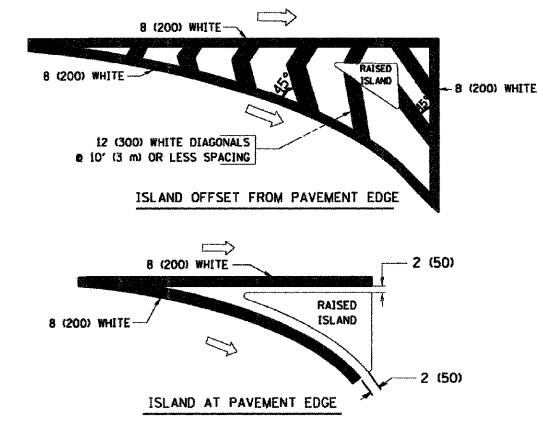


TYPICAL TURN LANE MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIRE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; WHITE; WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "RR"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=84.0 SQ. FT. (7.8 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE  
DRAWN BY CADD  
CHECKED BY  
TC-13

FILE NAME = ...pIn51809\_Dist1\_Det83.dgn  
PLOT DATE = 4/17/2009  
USER NAME = gthesse

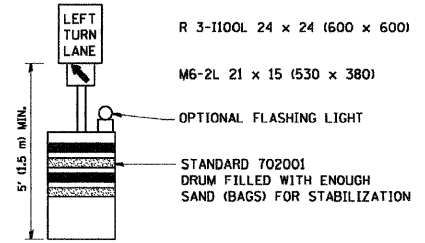
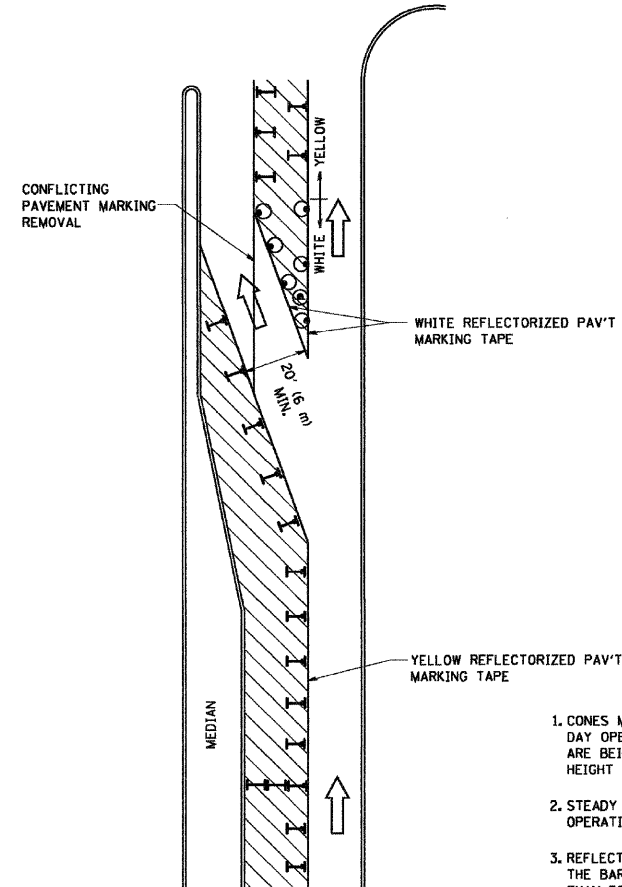
DESIGNED - TJJ	REVISOR -
DRAWN - IS	REVISOR -
CHECKED - JJT	REVISOR -
DATE - 04/16/09	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: N.T.S.	SHEET NO. 23 OF 28 SHEETS	STA. TO STA.	F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 23
CONTRACT NO. 60G62						ILLINOIS FED. AID PROJECT	

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE

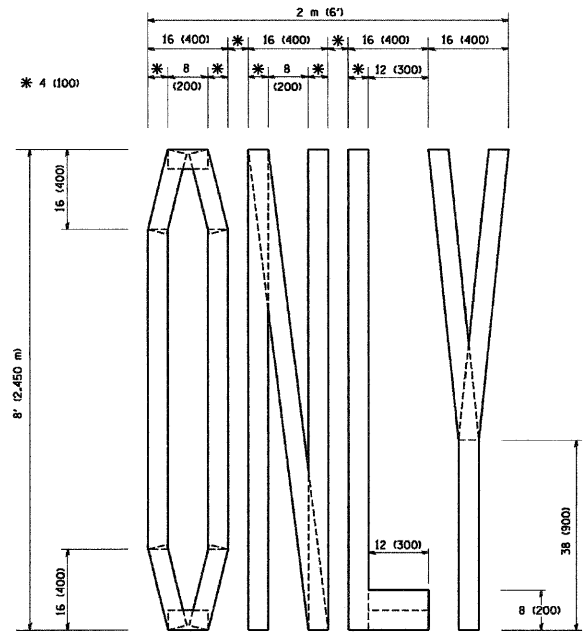
DRAWN BY  
 CHECKED BY LHA  
 TC-14

PLOT DATE = 3/16/2009  
 PLOT SCALE = N.T.S.  
 USER NAME = bmswrd

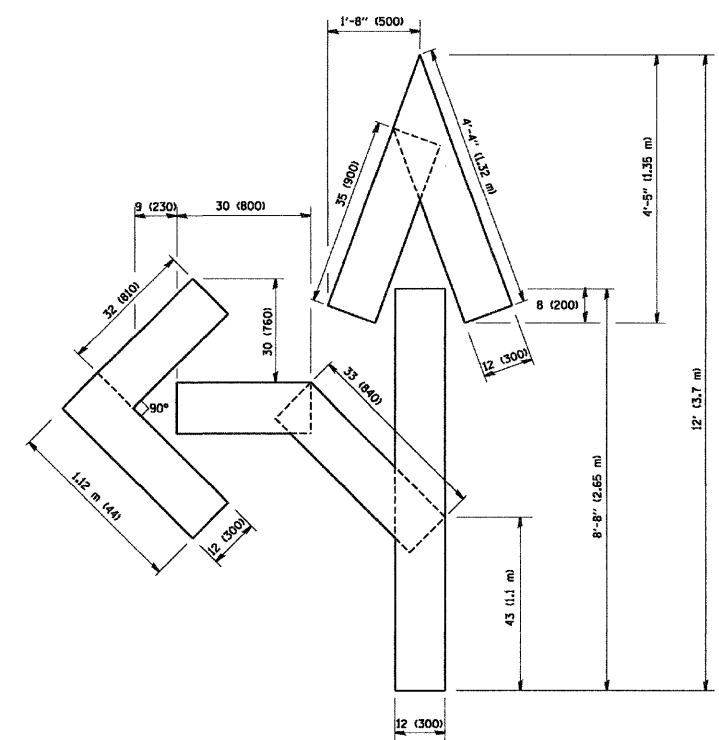
FILE NAME = ...p\151809_01st1_01st04.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -			345	10 RS-9	KANE	28	24	
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -			CONTRACT NO. 60662					
		DATE - 04/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 24 OF 28 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



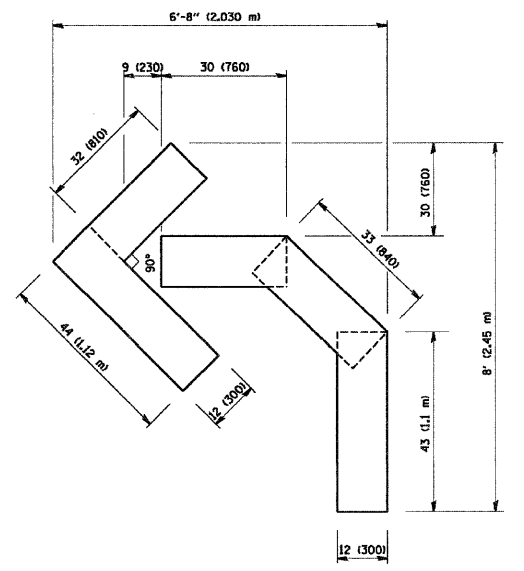
CONTRACT NO.		TOTAL SHEETS	SHEET NO.
F.A. RTE.	SECTION	COUNTY	
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



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.

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/03/96
T. RAMMACHER	11/03/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

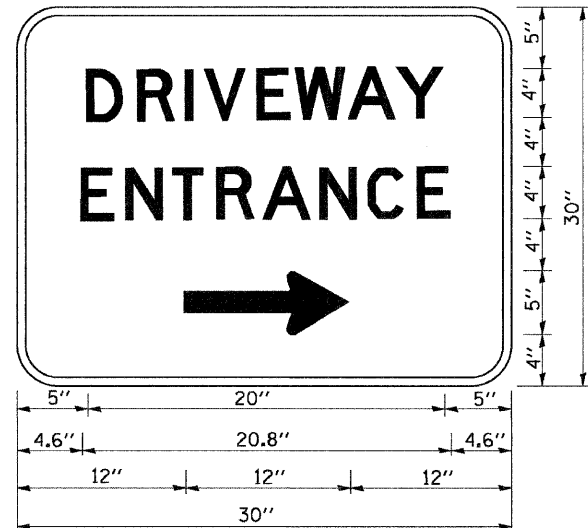
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING**  
SCALE: NONE  
DRAWN BY CADD  
CHECKED BY TC-16

PLOT DATE = 3/7/2007  
FILE NAME = K:\GIS\1009.Dwg  
PLOT SCALE = 3/8" = 1'-0"  
USER NAME = gthesse

FILE NAME = ...p\151809.Dwg	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING</b>	F.A. RTE. 345	SECTION 10 RS-9	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 25	
PLOT SCALE = N.T.S.	CHECKED - JJT	REVISED -	SCALE: N.T.S.			SHEET NO. 25 OF 28 SHEETS	STA. TO STA.	CONTRACT NO. 60662			
PLOT DATE = 4/17/2009	DATE - 04/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				



CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

PLOT DATE = 2/1/2007  
 PLOT SCALE = N.T.S.  
 PLOT USER = gthesse

REVISIONS	
NAME	DATE
C. JUCIUS	02/15/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

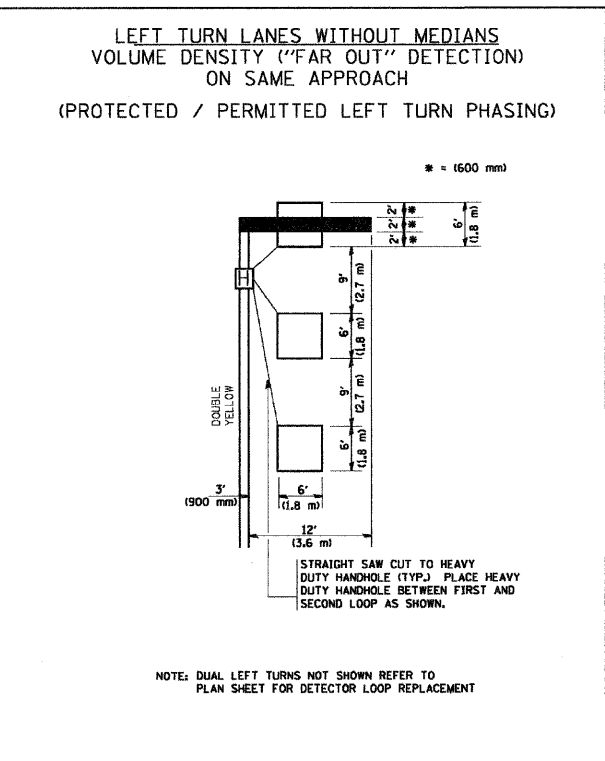
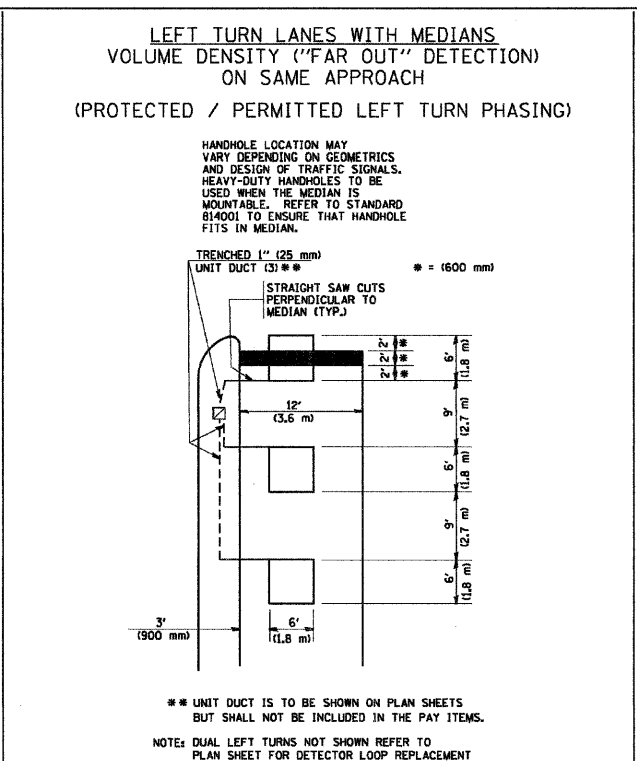
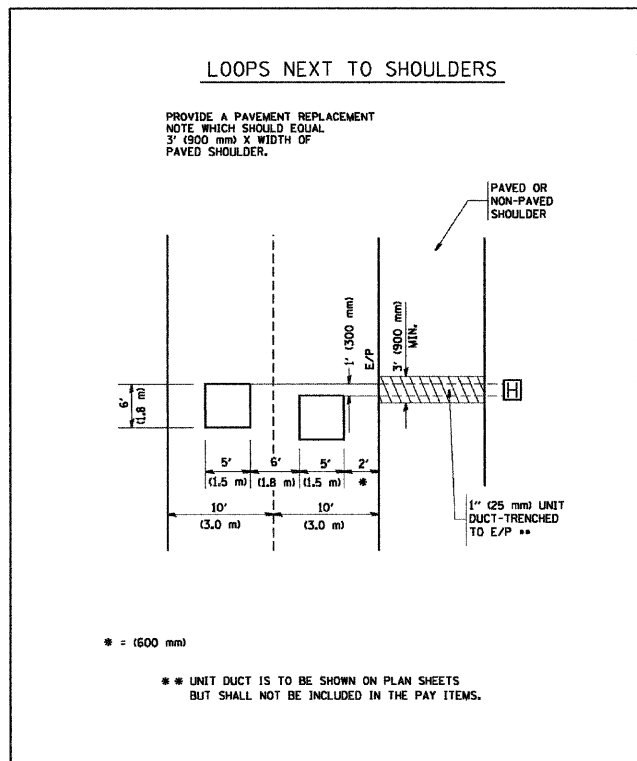
**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE  
 DATE

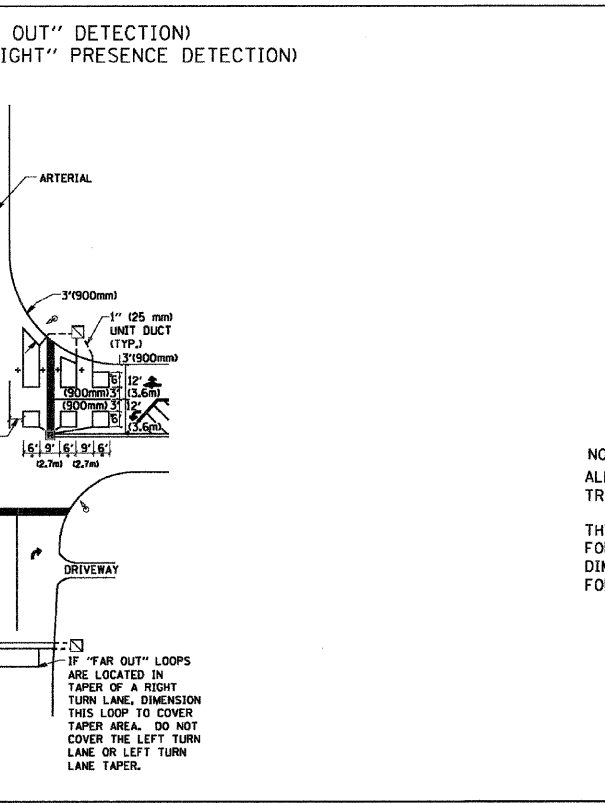
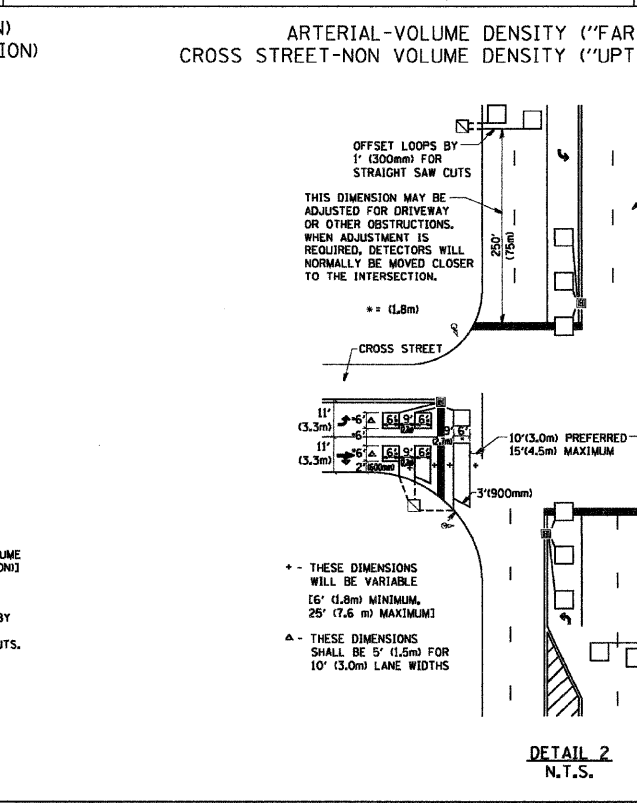
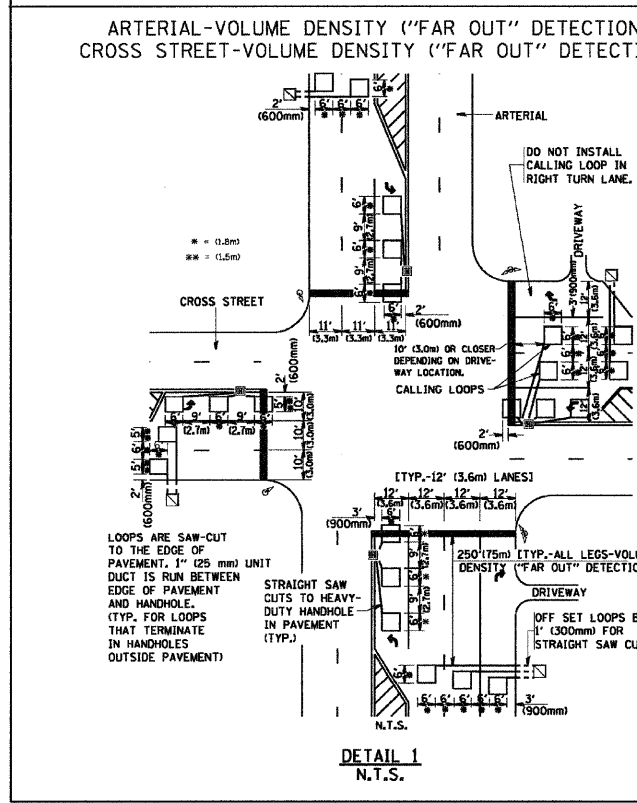
DRAWN BY R.H.  
 CHECKED BY  
 TC-26

FILE NAME = ...pIn51809_Dist1_Det07.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY ENTRANCE SIGNING</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -		SCALE: N.T.S.	SHEET NO. 27 OF 28 SHEETS	STA.	TO STA.	345	10 RS-9	KANE	28	27
	PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -		CONTRACT NO. 60662								
		DATE - 04/16/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

CONTRACT NO.		TOTAL SHEETS		SHEET NO.	
F.A. RTE.	SECTION	COUNTY			
STA.	TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



- 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.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
NAME	DATE	
		DESIGNED BY DRAWN BY CADD CHECKED BY R.K.F. TS07

FILE NAME = ...\\p1n51809.Dist1.Det13.dgn	USER NAME = gthesse	DESIGNED - TJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = N.T.S.	DRAWN - IS	REVISED -	345			10 RS-9	KANE	28	28	
PLOT DATE = 4/17/2009	CHECKED - JJT	REVISED -	CONTRACT NO. 60662							
	DATE - 04/16/09	REVISED -	FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT			