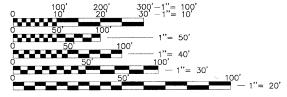
INDEX OF SHEETS

- COVER
- 2. GENERAL NOTES, HIGHWAY STANDARDS AND SUMMARY OF QUANTITIES
- 3. SCHEDULE OF QUANTITIES
- 4. TYPICAL SECTIONS
- 5.-10. ROADWAY PLANS
- 11. DISTRICT 1 DETAIL BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- 12. DISTRICT 1 DETAIL BD-24 CURB AND CURB AND GUTTER REMOVAL AND REPLACEMENT
- 13. DISTRICT 1 DETAIL BD-32 BUTT JOINTS AND HMA TAPER
- 14. DISTRICT 1 DETAIL TC—10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- 15. DISTRICT 1 DETAIL TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 16. DISTRICT 1 DETAIL TC-16 PAVEMENT MARKINGS LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- 17. DISTRICT 1 DETAIL TC-18 SIGNING FOR FLAGGING OPERATIONS AS WORK ZONE OPENINGS

DESIGN DESIGNATION: COLLECTOR STREET DESIGN SPEED: 25 MPH POSTED SPEED LIMIT: 25 MPH ADT: 2500 (2007)



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.

CONTACT J.U.L.I.E. at 811 or 800-892-0123 WITH THE FOLLOWING



COUNTY = LAKE
CITY - TWNSHP = VILLAGE OF LAKE ZURICH - ELA
SEC & 1/4 SEC. NO = SEC 21 & SW 1/4 SEC
48 HOURS (2 WORKING DAYS) BEFORE YOU DIG

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 3530 PHEASANT RIDGE ROAD

FROM OLD RAND ROAD TO OLD MILL GROVE ROAD LOCAL AGENCY PAVEMENT PRESERVATION RESURFACING

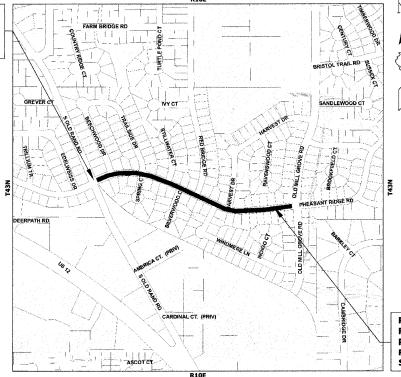
PROJECT NO.: ARA-9003(441)

SECTION NO.: 09-00072-00-RS JOB NO.: C-91-902-09

VILLAGE OF LAKE ZURICH LAKE COUNTY

PROJECT NO. ARA-9003(441) FAU ROUTE 3530 PHEASANT RIDGE ROAD RESURFACING BEGINS

STA. 00+00.00





DAVID A. HEYDEN P.E. LICENSED PROFESSIONAL ENGINEER ILLINOIS NO. 62-051707 EXPIRES: 11-30-2011

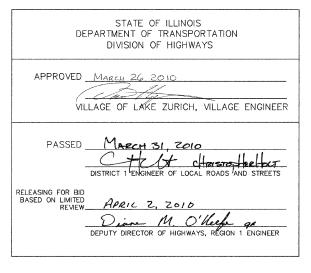
PROJECT NO. ARA-9003(441) FAU ROUTE 3530 PHEASANT RIDGE ROAD RESURFACING ENDS STA. 20+77.00

N.T.S.
PROJECT LENGTH

GROSS/NET LENGTH OF PROJECT = 2,077 FT (0.393 MI)

F.A. SECTION COUNTY SHEETS NO. 3530 09-00072-00-RS LAKE 17 1 1 CONTRACT NO. 63466





PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 63466

GENERAL NOTES

- 1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2007.
- 2. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS. HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- 5. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 AND THE VILLAGE OF LAKE ZURICH AT (847)540-1698 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- 6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT OR CITY
- 7. SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. WHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- 8. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISSE REFERENCED THEIR LOCATIONS.
- 9. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE
- 10. HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

FILE NAME

STORM SEWERS, WATER MAINS, AND UTILITIES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADUSTMENT, OR PROTECTION IS NECESSARY.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- 3. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- 4. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENNANCES THAT MUST BE KEPT IN OPERATION.
- 5. THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE TO THE VILLAGE FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
- 5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

TRAFFIC CONTROL

 SEE TRAFFIC CONTROL HIGHWAY STANDARDS CONCERNING TRAFFIC CONTROL AND PRIECTION.

SIGNING AND STRIPING

. TC-13 AND PLAN SHEETS FOR PAVEMENT MARKING

HIGHWAY STANDARDS

000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

442201-03 CLASS C AND D PATCHES

701501-05 URBAN LANE CLOSURE, 2L 2W, UNDIVIDED

701901-01 TRAFFIC CONTROL DEVICES

780001-02 TYPICAL PAVEMENT MARKINGS

LEGEND

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION ,	UNIT	1000
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	300
40600300	AGRREGATE (PRIME COAT)	TON	10
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	469
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	554
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX"C", N50	TON	820
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"	SQ YD	8176
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	25
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	467
44201980	CLASS D PATCHES, TYPE IV,	SQ YD	750
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60260100	INLETS TO BE ADJUSTED	EACH	2
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	699
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 2'4"	FOOT	148

* SPECIALTY ITEMS

ALL THERMOPLASTIC PAVEMENT MARKING SHALL BE REPLACED IN-KIND

USER NAME VILLAGE OF LAKE ZURICH	DESIGNED —	D. BURAU	REVISED	03/05/2010	
	DRAWN -	K. KASZUBA	REVISED	03/24/2010	
PLOT SCALE = N.T.S.	CHECKED -	D. HEYDEN	REVISED -		
PLOT DATE = 03/25/2010	DATE	10/12/2009	REVISED -		

GENERAL NOTES, HIGHWAY STANDARDS AND SUMMARY OF QUANTITIES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
AND SOMMAN OF QUANTITIES	3530	09-00072-00-RS	LAKE	17	2
PROJECT ARA-9003(441)			CONTRAC	T NO. 6346	36
SCALE: N.T.S. SHEET NO. 2 OF 17 SHEETS	FED. R	OAD DIST. NO. 1 ILLINOIS FED. AI	D PROJECT		

HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	AREA (SQ YD)
PHEASANT RIDGE ROAD (STA. 0+00)	116
BEECHWOOD DRIVE (STA. 1+73)	43
SPRING COURT (STA. 4+73)	43
TRAILSIDE DRIVE (STA. 4+77)	43
STILLWATER COURT (STA. 7+44)	43
SILVERWOOD COURT (STA. 8+88)	43
RED BRIDGE ROAD (STA. 10+60)	43
WINDMERE LANE (STA. 12+76)	43
HARVEST DRIVE (STA. 14+10)	43
PHEASANT RIDGE ROAD (STA. 20+77)	94

COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT

LOCATION	LENGTH (FT)
STA. 1+28 TO STA. 1+48	20
STA. 3+49 TO STA. 3+87	38
STA. 4+36 TO STA. 4+61	25
STA. 5+10 TO STA. 5+51	41
STA. 5+77 TO STA. 5+95	18
STA. 6+90 TO STA. 7+05	15
STA. 10+48 TO STA. 10+75	27
STA. 11+80 TO STA. 11+99	19
STA, 13+79 TO STA. 13+93	18
STA. 14+31 TO STA. 14+79	48
STA. 14+94 TO STA. 15+18	24
STA. 15+50 TO STA. 15+60	10
STA. 15+78 TO STA. 16+02	24
STA. 16+55 TO STA. 16+75	20
STA. 16+70 TO STA. 17+00	30
STA. 18+11 TO STA. 18+36	25
STA. 19+11 TO STA. 19+26	25
STA. 19+63 TO 20+03	40

CLASS D PATCHES TYPE IV

LOCATION	AREA (SQ YD)
STA. 0+78 TO STA. 0+99	25
STA. 1+53 TO STA. 1+88	49
STA. 4+24 TO STA. 4+39	25
STA. 4+73 TO STA. 7+23	112
STA. 7+25 TO STA. 7+64	32
STA. 7+67 TO STA. 10+77	138
STA. 11+10 TO STA. 12+50	63
STA. 13+85 TO STA. 16+45	140
STA. 13+86 TO STA. 14+34	31

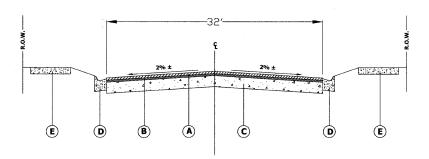
STRUCTURE ADJUSTMENTS

LOCATION	EACH
STA. 8+88	1
STA. 10+60	1
STA. 13+86	1

E NAME	USER NAME VILLAGE OF LAKE ZURICH	DESIGNED -	- [D. BURAU	REVISED		03/05/2010
		DRAWN -	- sk	K. KASZUBA	REVISED		03/24/2010
	PLOT SCALE = N.T.S.	CHECKED -	- [D. HEYDEN	REVISED	_	
	PLOT DATE = 03/25/2010	DATE -	- 1	10/12/2009	REVISED		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

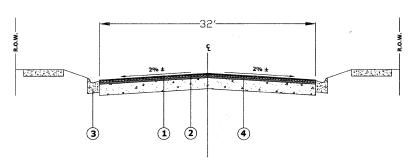
SCHEDULE OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			3530	09-00072-00-RS	LAKE	17	3
	PROJECT ARA-9003(441)	*			CONTRAC	T NO. 6346	56
SCALE: N.T.S.	SHEET NO. 3 OF 17 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION PHEASANT RIDGE ROAD STA. 2+00 TO 20+77

EXISTING LEGEND

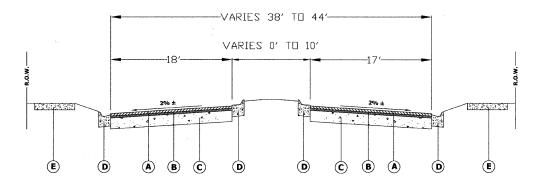
- $^{\circledR}$ ASHPHALT PAVEMENT BINDER COURSE, 1½"
- © AGGREGATE BASE
- [®] CONCRETE CURB AND GUTTER, M 3-12
- © PCC SIDEWALK



PROPOSED TYPICAL SECTION PHEASANT RIDGE ROAD STA. 2+00 TO 20+77

PROPOSED LEGEND

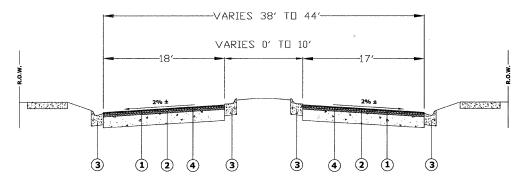
- 1 HOT MIX ASPHALT ASPHALT SURFACE COURSE, MIX "C", N50, 1%"
- 2 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 1"
- 3 CONCRETE CURB AND GUTTER, M 3-12
- ⊕ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 ½"



EXISTING TYPICAL SECTION PHEASANT RIDGE ROAD STA. 0+00 TO 2+00

EXISTING LEGEND

- ® ASHPHALT PAVEMENT BINDER COURSE, 1½"
- © AGGREGATE BASE
- ⊕ CONCRETE CURB AND GUTTER, M 3-12
- © PCC SIDEWALK



PROPOSED TYPICAL SECTION PHEASANT RIDGE ROAD STA. 0+00 TO 2+00

PROPOSED LEGEND

- ① HOT MIX ASPHALT ASPHALT SURFACE COURSE, MIX "C", N50, 1¾"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 1"
- 3 CONCRETE CURB AND GUTTER, M 3-12
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL − 2 ½"

CONTRACTOR SHALL MILL BEFORE PATCHING

HOT MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
RESURFACING	
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm)	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (Machine Method) IL 4.75, N50	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm); TYPE IV - 3 INCH	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

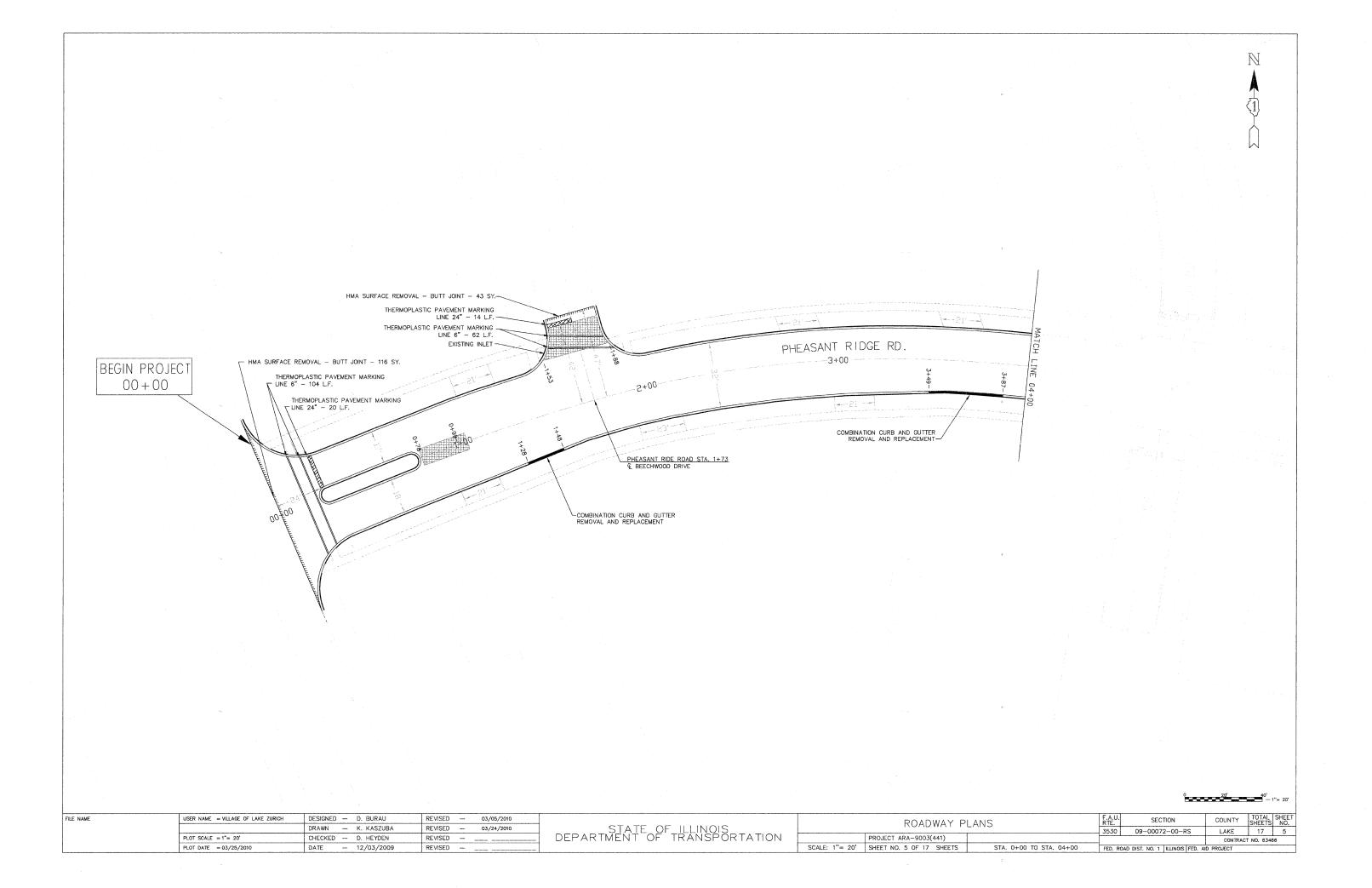
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

USER NAME = VILLAGE OF LAKE ZURICH DESIGNED — D. BURAU REVISED — 0.3/05/2010	
USER NAME = VILLAGE OF LAKE ZURICH DESIGNED — D. BURAU REVISED — 03/05/2010	
DRAWN — K. KASZUBA REVISED — 03/24/2010	
PLOT SCALE = N.T.S. CHECKED D. HEYDEN REVISED	
PLOT DATE = 03/25/2010 DATE - 10/12/2009 REVISED	

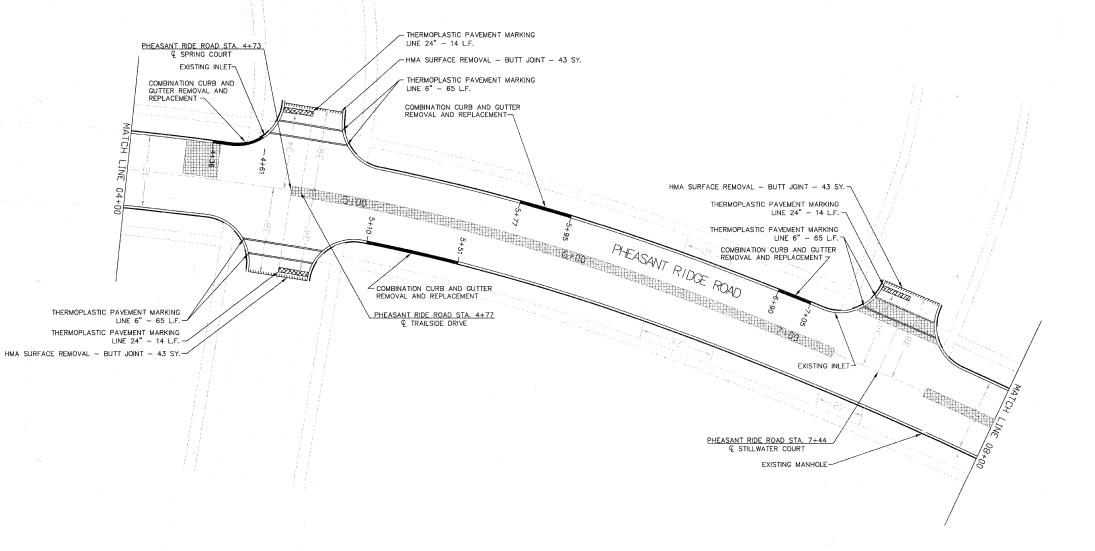
FILE NAME

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS PHEASANT RIDGE ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	THEASANT KII	JGL NOAD		3530	09-00072-00-RS	LAKE	17	4	
	PROJECT_ARA-9003(441)	P				CONTRAC	T NO. 6346	6	
LE: N.T.S.	SHEET NO. 4 OF 17 SHEETS			FED. RO	DAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT			





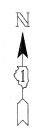


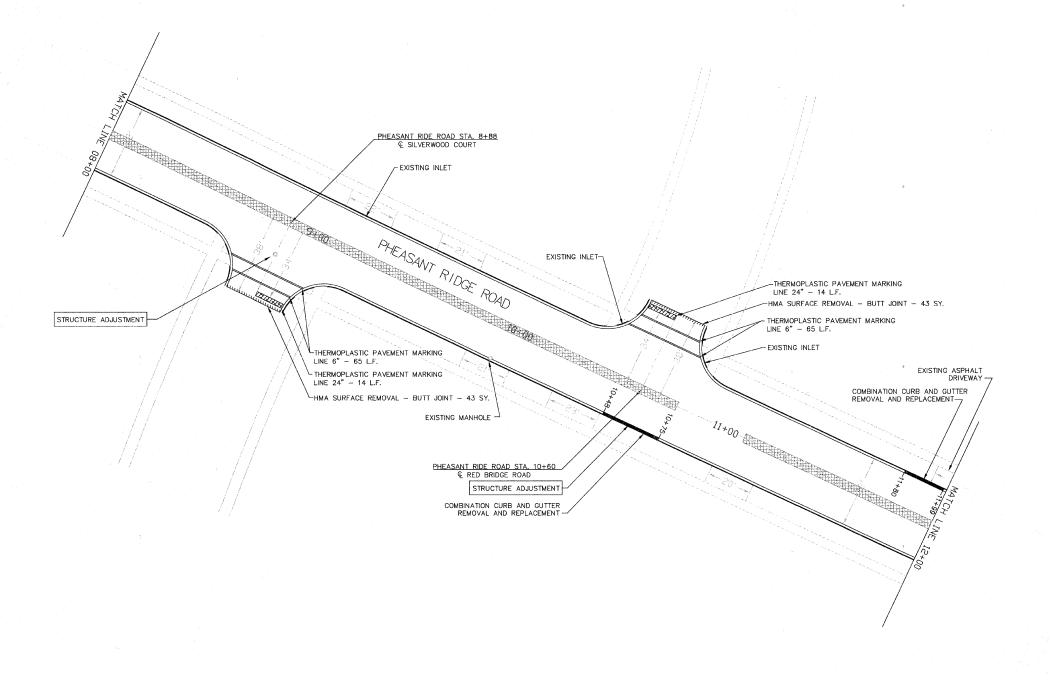
0 20' 40' -- 1"= 20'

FILE NAME=	USER NAME = VILLAGE OF LAKE ZURICH	DESIGNED		D. BURAU	REVISED		03/05/2010
FILE NAME	USER NAME = VILLAGE OF LAKE ZURICH	DESIGNED		D. BURAU	ME VISED		03/03/2010
		DRAWN	_	K. KASZUBA	REVISED	_	03/24/2010
	PLOT SCALE = 1"= 20'	CHECKED	_	D. HEYDEN	REVISED	_	
	PLOT DATE = 03/25/2010	DATE		12/03/2009	REVISED		

	FILLINOIS
DEPARTMENT OF	TRANSPORTATION

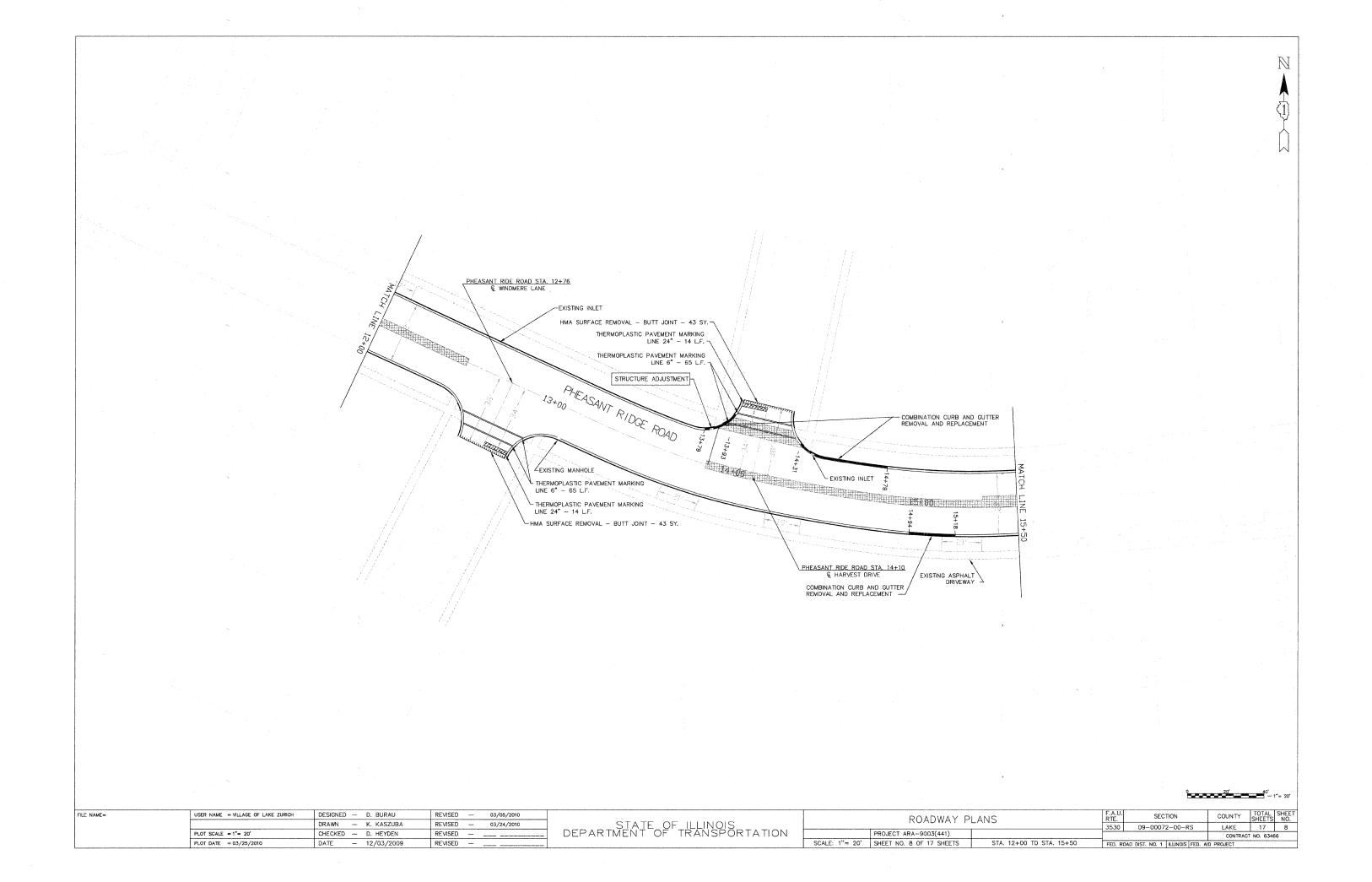
	ROADWAY P	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		3530	09-00072-00-RS	LAKE	17	6	
	PROJECT ARA-9003(441)				CONTRACT	NO. 6346	66
SCALE: 1"= 20'	SHEET NO. 6 OF 17 SHEETS	STA. 04+00 TO STA. 08+00	FED. R	OAD DIST. NO. 1 ILLINOIS FED. AI	D PROJECT		

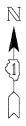


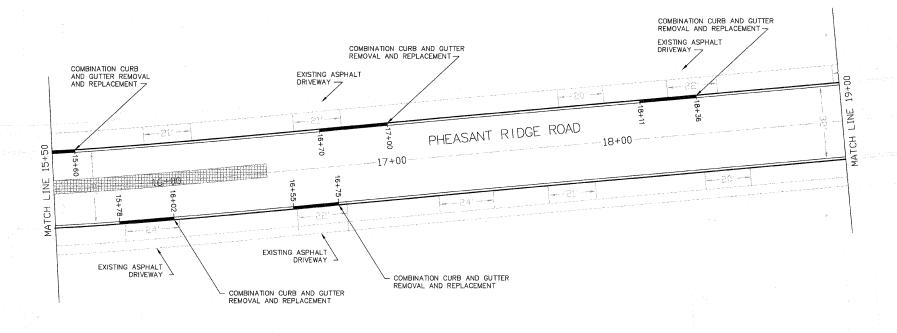


0 20' 40' - 1"= 20'

FILE NAME=	USER NAME = VILLAGE OF LAKE ZURICH	DESIGNED D. BURAU	REVISED 03/05/2010		ROADWAY PI	V VIC	F.A.U.	SECTION	COUNTY	TOTAL SHE	Ŧ,
		DRAWN — K. KASZUBA	REVISED 03/24/2010	STATE OF ILLINOIS Department of transportation	NOADWATE	_AIV3	3530	09-00072-00-RS	LAKE	17 7	Н
	PLOT SCALE = 1"= 20'	CHECKED — D. HEYDEN	REVISED —	DEPARTMENT OF TRANSPORTATION	PROJECT ARA-9003(441)					CT NO. 63466	_
	PLOT DATE = 03/25/2010	DATE - 12/03/2009	REVISED —		SCALE: 1"= 20' SHEET NO. 7 OF 17 SHEETS	STA. 08+00 TO STA. 12+00	FED. ROA	AD DIST. NO. 1 ILLINOIS FED. A	D PROJECT		_

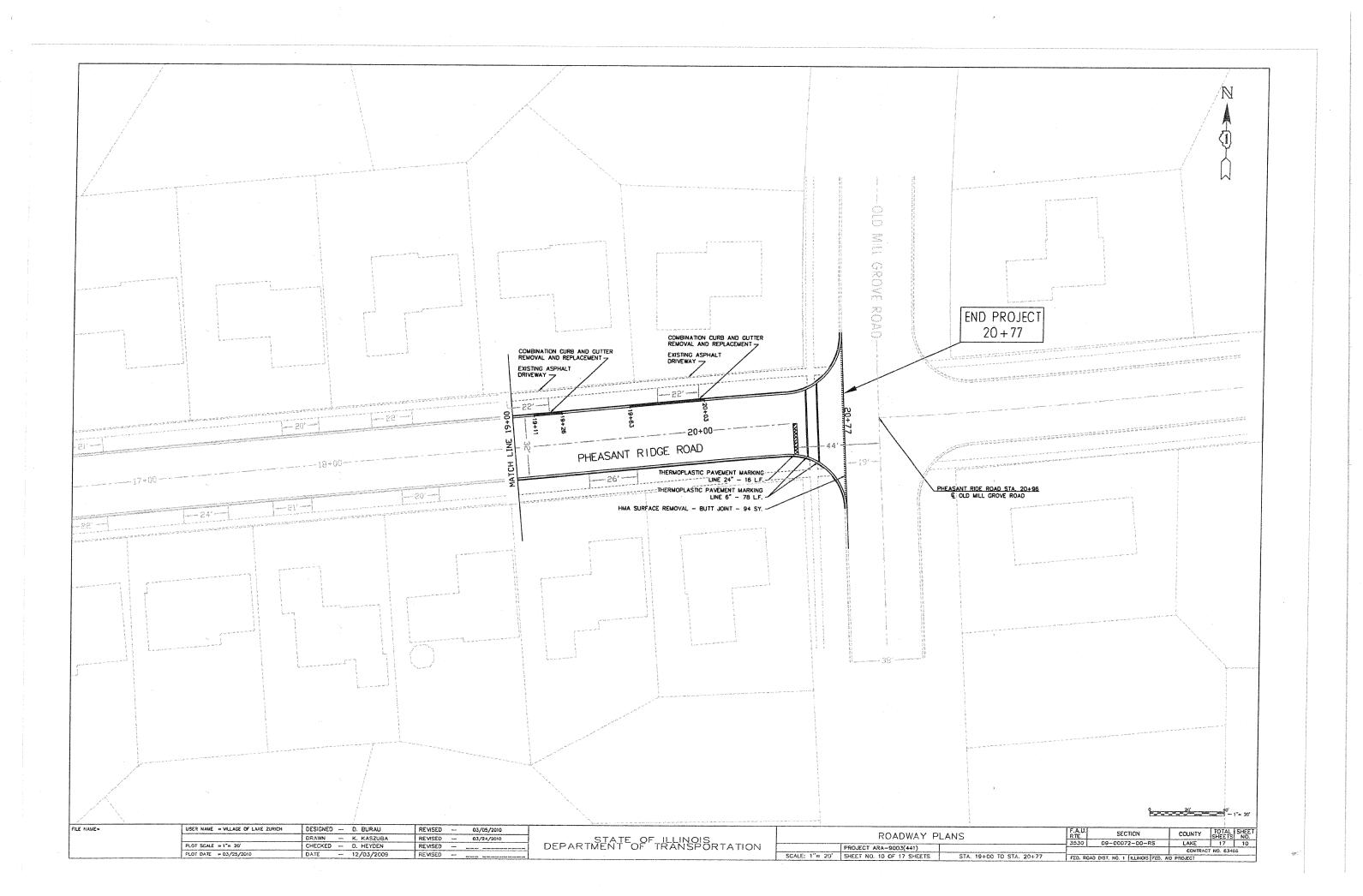


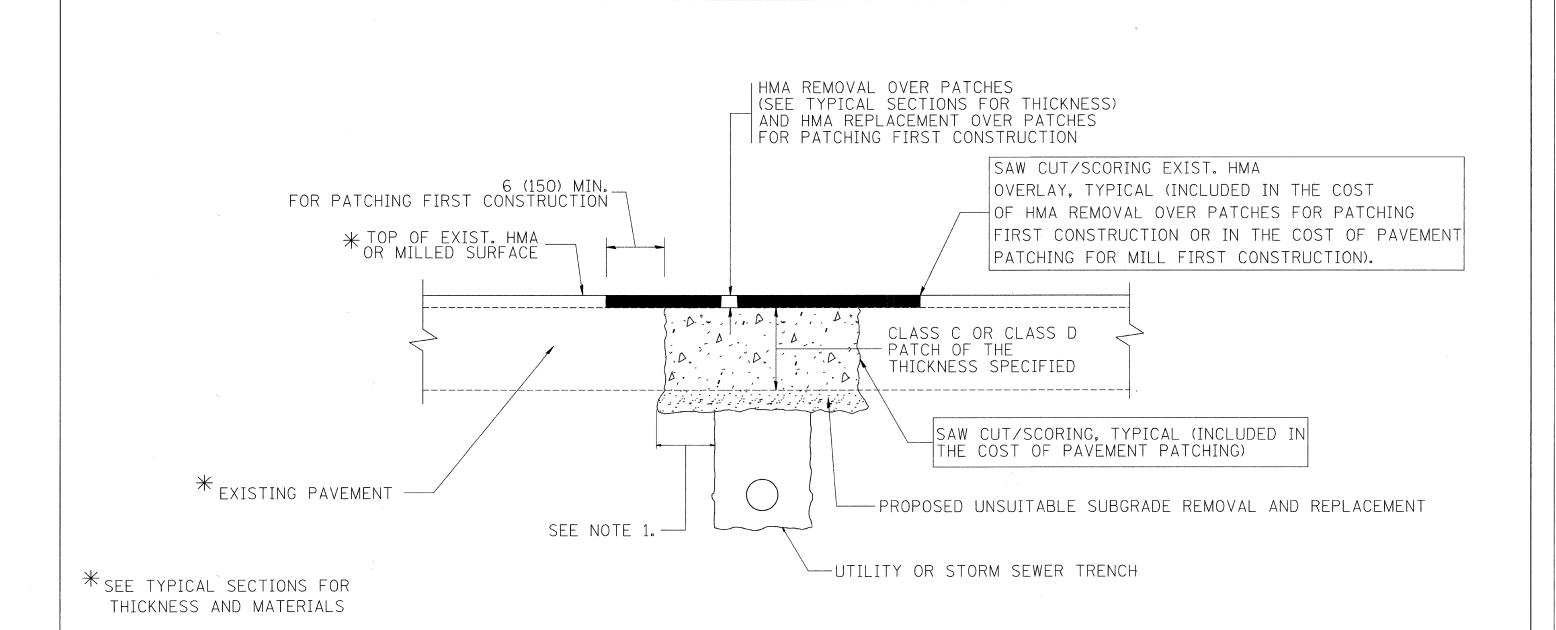




0 20' 40' 1''= 20'

FILE NAME=	USER NAME = VILLAGE OF LAKE ZURICH	DESIGNED - D. BURAU	REVISED — 03/05/2010		ROADWAY PLANS	SECTION	COUNTY TOTA
		DRAWN K. KASZUBA	REVISED — 03/24/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	KOADWAT FLANS	3530 09-00072-00-RS	LAKE 17
	PLOT SCALE = 1"= 20'	CHECKED - D. HEYDEN	REVISED	DEPARTMENT OF TRANSPORTATION	PROJECT ARA-9003(441)		CONTRACT NO. 6
	PLOT DATE = 03/25/2010	DATE - 12/03/2009	REVISED —		SCALE: 1"= 20' SHEET NO. 9 OF 17 SHEETS STA. 15+50 TO STA. 19+00	FED. ROAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT





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)

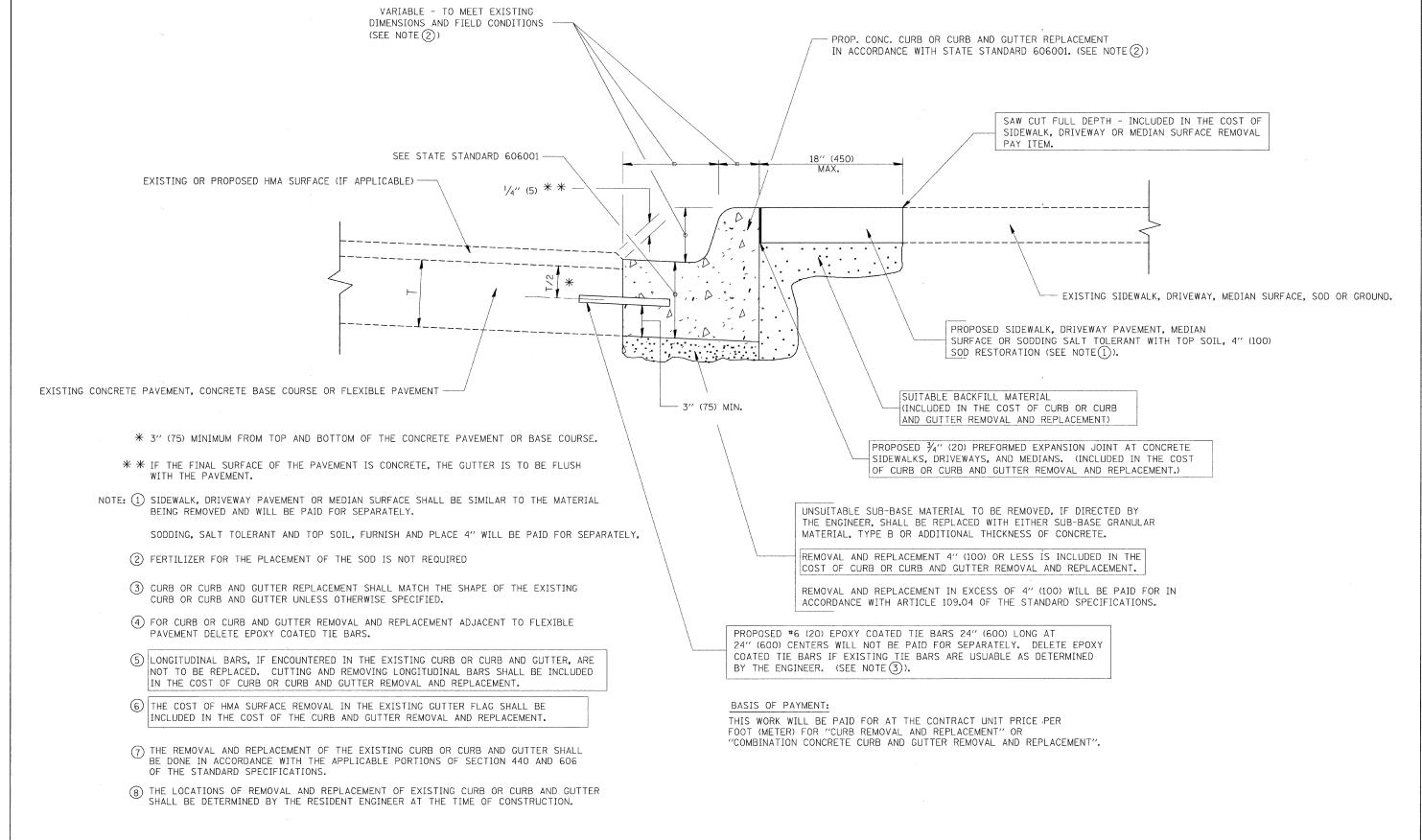
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ 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.

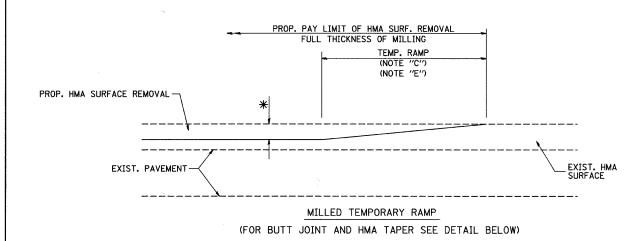
- 1	FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98		PAVEMENT PATCHING FOR	F.A. S	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	c:\projects\diststd22x34\bd22.dgn	PLOT SCALE = 50.000 '/ TN.	DRAWN -	REVISED - R. BORO 01-01-07 REVISED - R. BORO 09-04-07	STATE OF ILLINOIS	HMA SURFACED PAVEMENT	3530 09-00072	2-00-RS	Lake	17 1
		PLUT SCALE = 50.000 '/ IN. PLOT DATE = 10/27/2008	CHECKED - DATE - 10-25-94	REVISED - R. BORO 09-04-07 REVISED - K. ENG 10-27-08	DEPARTMENT OF TRANSPORTATION	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	BD400-04 FED. ROAD DIST. NO.		CONTRACT ID PROJECT	NO. 63466



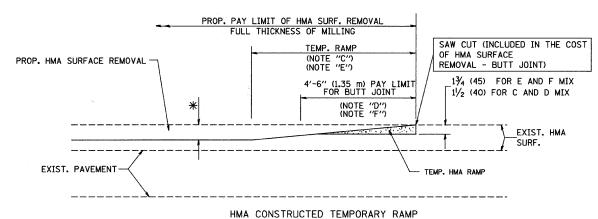
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =		USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96		CURB OR CURB AND GUTTER	F.A.	SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwido	ot\drivakosgn\dØ108315\bd	24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS	REMOVAL AND REPLACEMENT	353	30 G-00072-00-RS	Lalk 17 12
		PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	DEPARTMENT OF TRANSPORTATION	KEMUVAL AND KEPLACEMENT		BD600-06 (BD-24)	CONTRACT NO. 63466
		PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA.	TO STA. FED	D. ROAD DIST. NO. 1 ILLINOIS FED. A	AID PROJECT



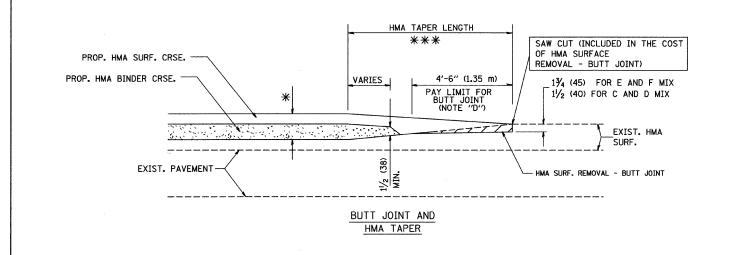
OPTION 1



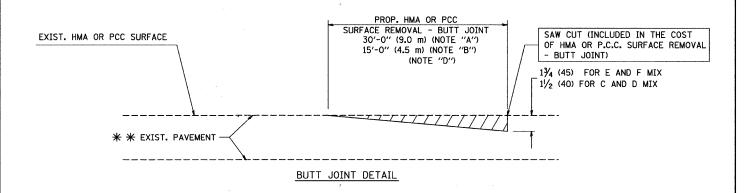
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

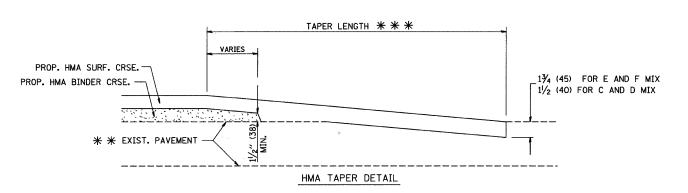
OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





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.
- $\mbox{\ensuremath{\mbox{\#}}}\mbox{\ensuremath{\mbox{\#}}}\mbox{\ensuremath{\mbox{\#}}}\mbox{\ensuremath{\mbox{20'}}}\mbox{\ensuremath{\mbox{-0''}}}\mbox{\ensuremath{\mbox{(6.1 m)}}}\mbox{\ensuremath{\mbox{\mbox{PER}}}\mbox{\ensuremath{\mbox{1}}}\mbox{\ensuremath{\mbox{20'}}}\mbox{\ensuremath{\mbox{RESURFACING}}}\mbox{\ensuremath{\mbox{(NOTE "a")}}}\mbox{\ensuremath{\mbox{\mbox{\#}}}\mbox{\ensuremath{\mbox{RESURFACING}}}\mbox{\ensuremath{\mbox{\mbox{RESURFACING}}}\mbox{\ensuremath{\mbox{(NOTE "a")}}}\mbox{\ensuremath{\mbox{\$

BASIS OF PAYMENT:

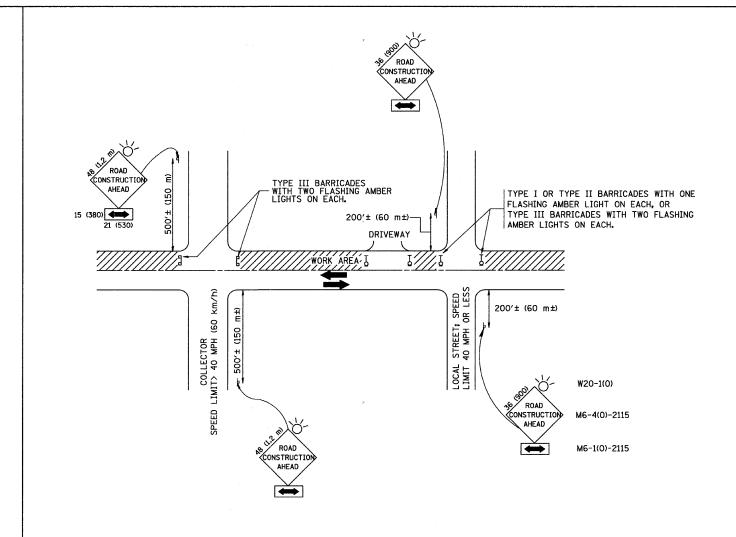
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS

FILE NAME =	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - F	R. SHAH 10-25-94
W:\d:ststd\22x34\bd32.dgn		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 - F	R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	BUTT JOINT	AND		F.A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
	HMA TAPER DE	PHAT		3630	09-00072-00-RS	Lake	17	: 13
					BD400-05 BD32	CONTRACT	NO. 63	466
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. R	OAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT	4.	-



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
- Q) ONE ROAD CONSTRUCTION AHEAD SIGN 36×36 (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:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 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 (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-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.

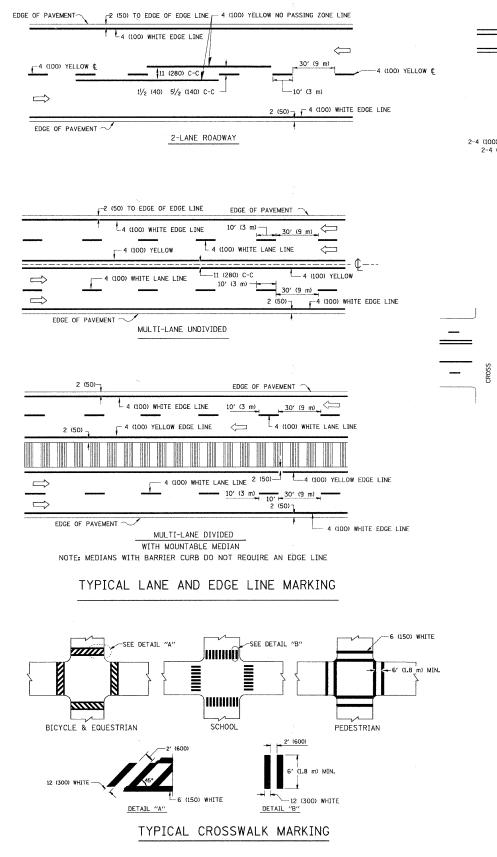
All dimensions are in millimeters (inches) unless otherwise shown.

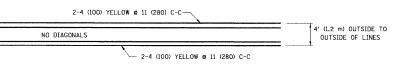
FILE NAME = USER NAME = gaglianobt DESIGNED - LHA REVISED - J. OBERLE 10-18-95
Wi\dastatd\22x34\tal0.dgn

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	ROAD	S, INTER	RSECTIONS	, AND I	DRIVEWAYS	
SCALE: NONE	SHEET	NO. 1	OF 1	SHEETS	STA.	TO STA.	



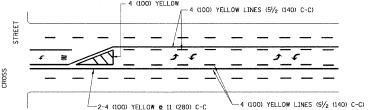


2-4 (100) & 11 (280) C-C 2-4 (100) & 11 (280) C-C MEDIAN LENGTH FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED

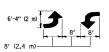
4' (1.2 m) WIDE MEDIANS ONLY

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

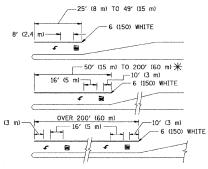


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

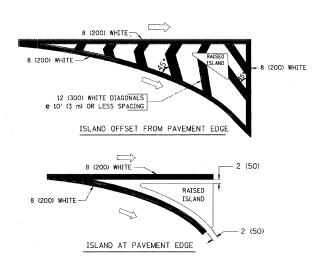


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SQ. FT. (1.5 m²) (\P LY AREA = 20.8 SQ. FT. (1.9 m²)

** 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



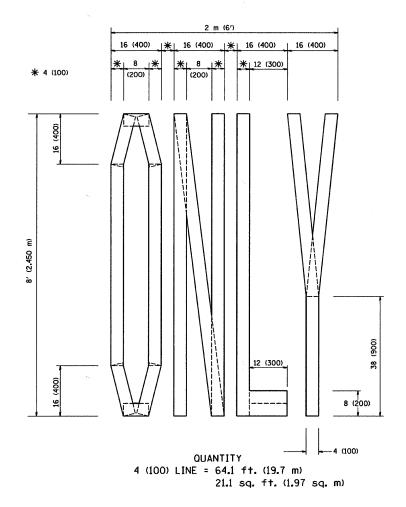
TYPICAL ISLAND MARKING

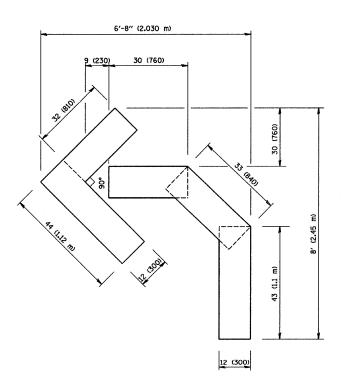
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 2 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600) y	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	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
	e 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS		WHITE: ONE WAY TRAFFIC	SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h); 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

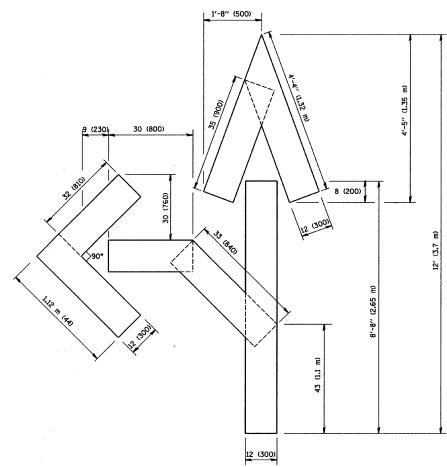
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94		DISTRICT ONE	F.A SECTION COUNTY TOTAL SHEET
c:\pw_work\pwidot\drivakosgn\d0108315	tol3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-09	STATE OF ILLINOIS		3630 09-00772-00-85 Lake 17 15
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	TC-13 CONTRACT NO. 63466
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT





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



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

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

FILE NAME = USER NAME = gaglianobt DESIGNED - REVISED -T. RAMMACHER 06-05-96
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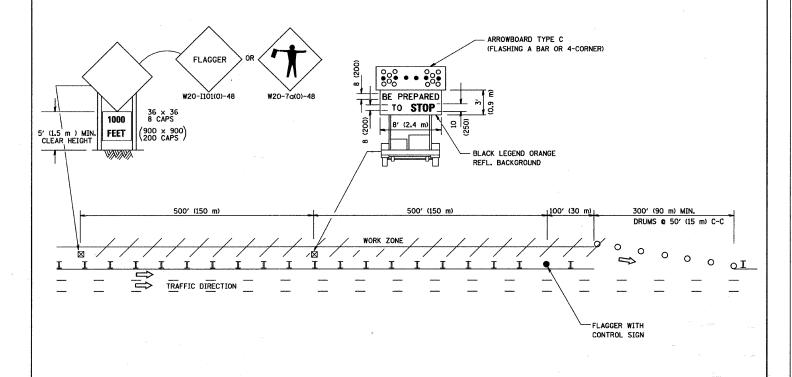
DRAWN - REVISED -T. RAMMACHER 11-04-97
PLOT SCALE = 58.0000 '/ IN. CHECKED - REVISED -T. RAMMACHER 03-02-98
PLOT DATE = 1/4/2008 DATE - 09-18-94 REVISED -E. GOMEZ 08-28-00

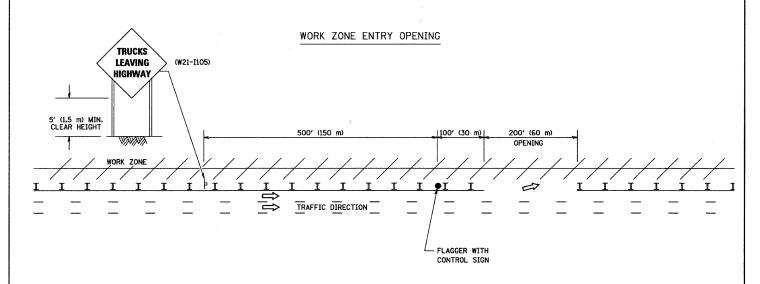
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	PAVEMENT MARKING LETTERS AND SYMBOLS							SECTION	COUNTY	
			3530	09-00072-00-RS	Laile					
		·		CONTRACT						
-	SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING





NOTES:

- The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
- 2. Work Zone Exit Openings should be a minimum of one half mile apart.
- Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
- 4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

	PLOT DATE = 1/4/2008	DATE : -	REVISED - S.P.B. 01-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. F	ROAD DIST. NO. 1 ILLINOIS FED. A	AID PROJECT
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - J.A.F. 02-06	DEPARTMENT OF TRANSPORTATION	AT WORK ZONE OPENINGS		TC-18	CONTRACT NO. 63466
W:\diststd\22x34\tc18.dgn		DRAWN -	REVISED - J.A.F. 04-03	STATE OF ILLINOIS		3630	09-00072-00- RS	Lake 17 17
FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - D.W.S. 08-98		SIGNING FOR FLAGGING OPERATIONS		SECTION	COUNTY TOTAL SHEET SHEETS NO.