INDEX OF SHEETS

TITLE NO.

4-5

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COVER SHEET GENERAL NOTES

SUMMARY OF QUANTITIES TYPICAL SECTIONS

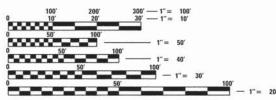
RESURFACING AND PAVEMENT MARKING PLANS 6-12

DISTRICT ONE STANDARD DETAILS 13-17

CLASSIFICATION = MAJOR COLLECTOR

→ASSOCIATES, INC.

Serving the Community Since 1999



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

PROJECT MANAGER & ENGINEER: STEVE CIESLICA, P.E.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

PLANS FOR PROPOSED FEDERAL AID PROJECT

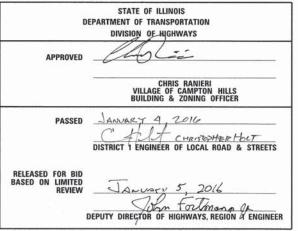
VILLAGE OF CAMPTON HILLS F.A.U. 2266 (OLD LAFOX ROAD) LAFOX ROAD TO BURLINGTON ROAD SECTION NO: 14-00006-00-RS PROJECT NO: M-4003(492) JOB NO: C-91-252-15 KANE COUNTY

3RD P.M. R 7 E | R 8 E END PROJECT STATION 175+60 ¢ INTERSECTION END OMMISSION STATION 118+60 T 40 N T 40 N BEGIN OMMISSION STATION 117+95 64 BEGIN PROJECT STATION 105+12

> GROSS LENGTH OF IMPROVEMENT = 7,048 FT = 1.33 MILES NET LENGTH OF IMPROVEMENT = 6,983 FT = 1.32 MILES

COUNTY TOTAL SHEE NO. SECTION KANE





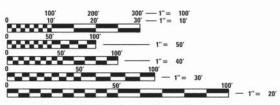
Steve Ciestino STEVE CIESLICA, P.E.
ILLINOIS REGISTERED PROFESSIONAL ENGINEER
NO. 062–059095 /EXPIRATION DATE 11–30–2017

> PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TRAFFIC DATA CURRENT ADT = 830PROJECTED ADT = 1,130POSTED SPEED LIMIT = 30-35 MPH



40W201 Wasco Road, Suite D St. Charles, II. 60175 Ph.: 630-587-0470 Fax: 630-587-0475



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS

1-800-892-0123

CONTRACT NO. 61B40

SCHAUMBURG,

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GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2015, THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS' JULY 2009 6TH EDITION, THE "DETAILS' IN THE PLANS, LATEST EDITION OF THE MANUAL OF TEST PROCEDURE OF MATERIALS, THE AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES, THE "ORAFT" REHABILITATION ACT OF 1973 (SECTION 504) THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES AND THE "SPECIAL PROVISIONS' INCLUDED IN THE CONTRACT DOCUMENTS.

ITILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

COORDINATION OF ALL WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE, BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 OR 800-892-1123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

WATERMAIN, STORM SEWER AND SANITARY SEWER

DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS, THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF MOBILIZATION.

ANY EXISTING MAINS OR SEWERS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE, UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

STAKING AND LAYOUT

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY PINS. REFERENCE MARKERS.

NO ELEVATIONS ARE SHOWN ON THE PROPOSED PLANS, CONTRACTOR SHALL MAINTAIN GRADE BETWEEN EXISTING POINTS.

MISCELLANEOUS

THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, THE COST TO PROVIDE ACCESS SHALL BE INCLUDED IN THE COST OF MOBILIZATION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAW CUTTING SHALL BE INCLUDED AS PART OF THE PAVEMENT REMOVAL PAY ITEM(S).

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES, SHOWN IN THE PLANS, ARE NOMINAL, DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED, PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

ANY MAILBOX OR SIGN THAT IS DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. TEMPORARY SIGNS SHALL BE PLACED AS REQUIRED BY THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.20.

CF.	
7	ALBOARED
14	MROTTER
4	ASSOCIATES, INC.
	ENGINEERS AND SURVEYORS

USER NAME = mdevison	DESIGNED - SPC	REVISED - 12/17/2015
	DRAWN - MJD	REVISED - 12/21/2015
PLOT SCALE = 1.0 ' / in.	CHECKED - LEL	REVISED -
PLOT DATE = 12/22/2015	DATE - 12/22/20	DIS REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

			-1222						F.A.U. RTE.	SECTION	COUNTY	TOTAL	
ı				GE	NERA	L NO	ES		2266	14-00006-00-RS	KANE	17	2
ł			11.000								CONTRACT	NO.	61B40
١	SCALE: 1.0 ' / in.	SHEET	1	OF	1 S	HEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

DISTRICT ONE STANDARD DETAILS

NO.	DESCRIPTION
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

LIST OF STATE STANDARDS

NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-08	PERPENDICULAR CURB RAMPS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542401-01	METAL END SECTION FOR PIPE CULVERTS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS

SP	CODE NO	ITEM	UNIT	TOTAL
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60
+	20201200	REMOVAL AND DISPOSAL OF DISDITABLE MATERIAL	CO TO	60
	20700110	POROUS GRANULAR EMBANKMENT	TON	180
	21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	932
	25000100	SEEDING, CLASS I	ACRE	0.2
İ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	12
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	12
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	12
	25100630	EROSION CONTROL BLANKET	SO YD	932
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14,363
	40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	30
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1,630
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	28
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,028
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,787
	42300100	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH	SO YD	28
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	338
	42400800	DETECTABLE WARNINGS	SO FT	80
	44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	28
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	19,648
	4400600	SIDEWALK REMOVAL	SO FT	376
	44201737	CLASS D PATCHES, TYPE I, 8 INCH	SO YD	200
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SO YD	150
-	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SO YD	150

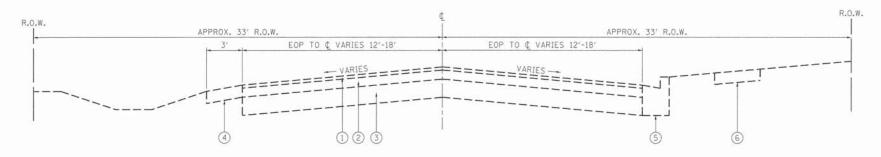
SP	CODE NO	ITEM	UNIT	TOTAL
	44201747	CLASS D PATCHES, TYPE IV. 8 INCH	SO YD	100
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	579
	67100100	MOBILIZATION	L SUM	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,979
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	745
	72000100	SIGN PANEL - TYPE 1	SO FT	16
	72900100	METAL POST - TYPE A	FOOT	20
	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	50
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24,276
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	220
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	232
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75
	X0326862	STRUCTURES TO BE ADJUSTED	EACH	5
	Z000456 7	COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT	FOOT	40
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	USER NAME = mdevison	DESIGNED -	SPC	REVISED - 12/17/2015
TROTTED		DRAWN -	MJD	REVISED - 12/21/2015
ASSOCIATES, INC.	PLOT SCALE = 1.0 ° / in.	CHECKED -	LEL	REVISED -
ENGINEERS AND SURVEYORS	PLOT DATE = 1/5/2016	DATE -	1/5/2016	REVISED -

STATI	E OI	FILLINOIS
DEPARTMENT	0F	TRANSPORTATION

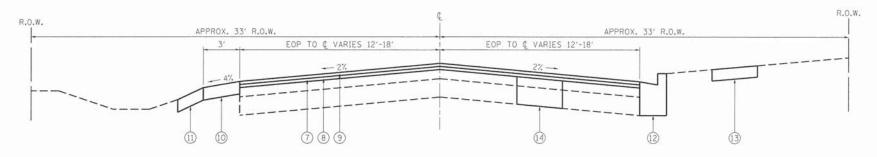
* DENOTES SPECIALTY ITEM

	CHARACTE OF CHARTTEE						F.A.U. RTE.	SECTION	COUNTY	SHEETS	SHEET NO.		
	SUMMARY OF QUANTITIES					2266	14-00006-00-RS	KANE	17	3			
											CONTRACT	NO.	61B40
SCALE: 1.0 ' /	in.	SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		



EXISTING TYPICAL SECTION STA 105+12 TO STA 117+95, OLD LAFOX ROAD STA 120+30 TO STA 175+60, OLD LAFOX ROAD

- 1 EXISTING HOT-MIX ASPHALT SURFACE COURSE
- ② EXISTING HOT-MIX ASPHALT BINDER COURSE
- 3 EXISTING GRANULAR BASE COURSE
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING COMBINATION CONCRETE CURB AND GUTTER
- 6 EXISTING SIDEWALK



PROPOSED TYPICAL SECTION STA 105+12 TO STA 117+95, OLD LAFOX ROAD STA 120+30 TO STA 175+60, OLD LAFOX ROAD

- 7 HOT MIX ASPHALT SURFACE REMOVAL, 2"
- 8 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2-1/4"
- 9 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- 10 PROPOSED AGGREGATE SHOULDER, TYPE B
- (I) TOPSOIL (VARIABLE DEPTH), SEEDING CL I AND EROSION CONTROL BLANKET AS DIRECTED BY ENGINEER
- 12) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- (3) SIDEWALK REMOVAL AND REPLACEMENT
- (4) CLASS D PATCHES (AS DIRECTED BY ENGINEER)

PAVEMENT CORE SUMMARY

CORE NUMBER	CORE LOCATION	HMA SURFACE	HMA BINDER	AGGREGATE BASE
C-1	STA 102+00	2"	10-1/2"	4"
C-2	STA 108+20	3-1/4"	5-3/4"	5"
C-3	STA 115+00	2-1/2"	7"	6-1/2"
C-4	STA 121+10	3"	4"	7"
C-5	STA 127+80	2-3/4"	3-3/4"	9"
C-6	STA 134+00	3"	4-1/2"	7"
C-7	STA 140+00	3′′	4''	7"
C-8	STA 147+30	3"	4-1/2"	8"
C-9	STA 154+00	2-3/4"	3-1/2"	11''
C-10	STA 162+10	2-1/4"	4-3/4"	10"
C-11	STA 167+50	3-1/4"	4"	7"
C-12	STA 174+80	2-3/4"	4-3/4"	8"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AI	R	VO	IDS
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (IL-9.5 mm), 1-1/2"	4%	0	50	GYR
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50, 2-1/4"	4%	0	50	GYR
LEVELING BINDER MACHINE METHOD, N50, 3/4" MIN.	4%	Q	50	GYR
CLASS D PATCHES (MHA BINDER IL-19 mm)	4%	0	70	GYF

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 76-22" AND FOR
NON-POLYMERIZED

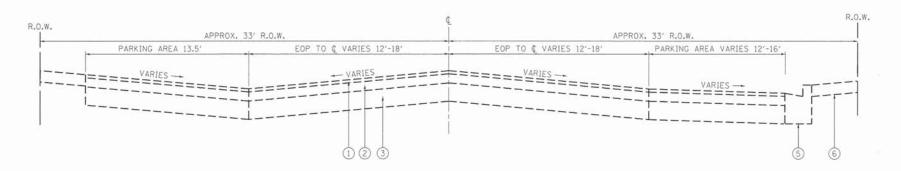
HMA THE "AC TYPE" SHALL BE PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS
FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

	USER NAME = dg:llespie	DESIGNED - SPC	REVISED - 12/17/2015
		DRAWN - MJD	REVISED - 12/21/2015
A PALLED TILL	PLOT SCALE = 1.0 1/ in.	CHECKED - LEL	REVISED -
ASSOCIATES, INC.	PLOT DATE = 1/5/2016	DATE - 1/5/2016	REVISED -

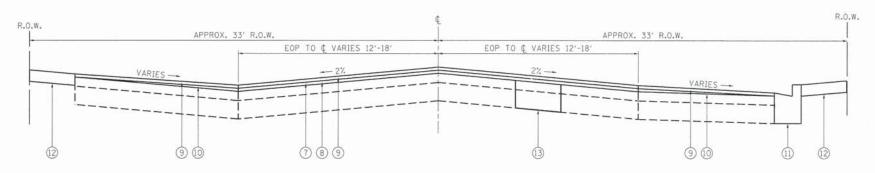
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

70		_					F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
		- 1	YPIC	AL SECTI			2266	14-00006-00-RS	KANE	17	4
									CONTRACT	NO.	61B40
SCALE: 1.0 ' / in.	SHEET 1)F 2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



EXISTING TYPICAL SECTION STA 118+60 TO STA 120+30, OLD LAFOX ROAD

- 1 EXISTING HOT-MIX ASPHALT SURFACE COURSE
- ② EXISTING HOT-MIX ASPHALT BINDER COURSE
- 3 EXISTING GRANULAR BASE COURSE
- 4 EXISTING AGGREGATE SHOULDER
- (5) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- 6 EXISTING SIDEWALK



PROPOSED TYPICAL SECTION STA 118+60 TO STA 120+30, OLD LAFOX ROAD

- 7 HOT MIX ASPHALT SURFACE REMOVAL, 2"
- (8) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2-1/4"
- 9 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- 10 PROPOSED LEVELING BINDER (MACHINE METHOD), N50, VARIABLE DEPTH
- (I) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (SPOT REPAIRS PER ENGINEER)
- SIDEWALK REMOVAL AND REPLACEMENT SPOT REPAIRS AS DIRECTED BY ENGINEER
- (3) CLASS D PATCHES (AS DIRECTED BY ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (IL-9.5 mm), 1-1/2"	4% № 50 GYR
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50, 2-1/4"	4% № 50 GYR
LEVELING BINDER MACHINE METHOD, N50, 3/4" MIN.	4% @ 50 GYR
CLASS D PATCHES (MHA BINDER IL-19 mm)	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 76-22" AND FOR
NON-POLYMERIZED

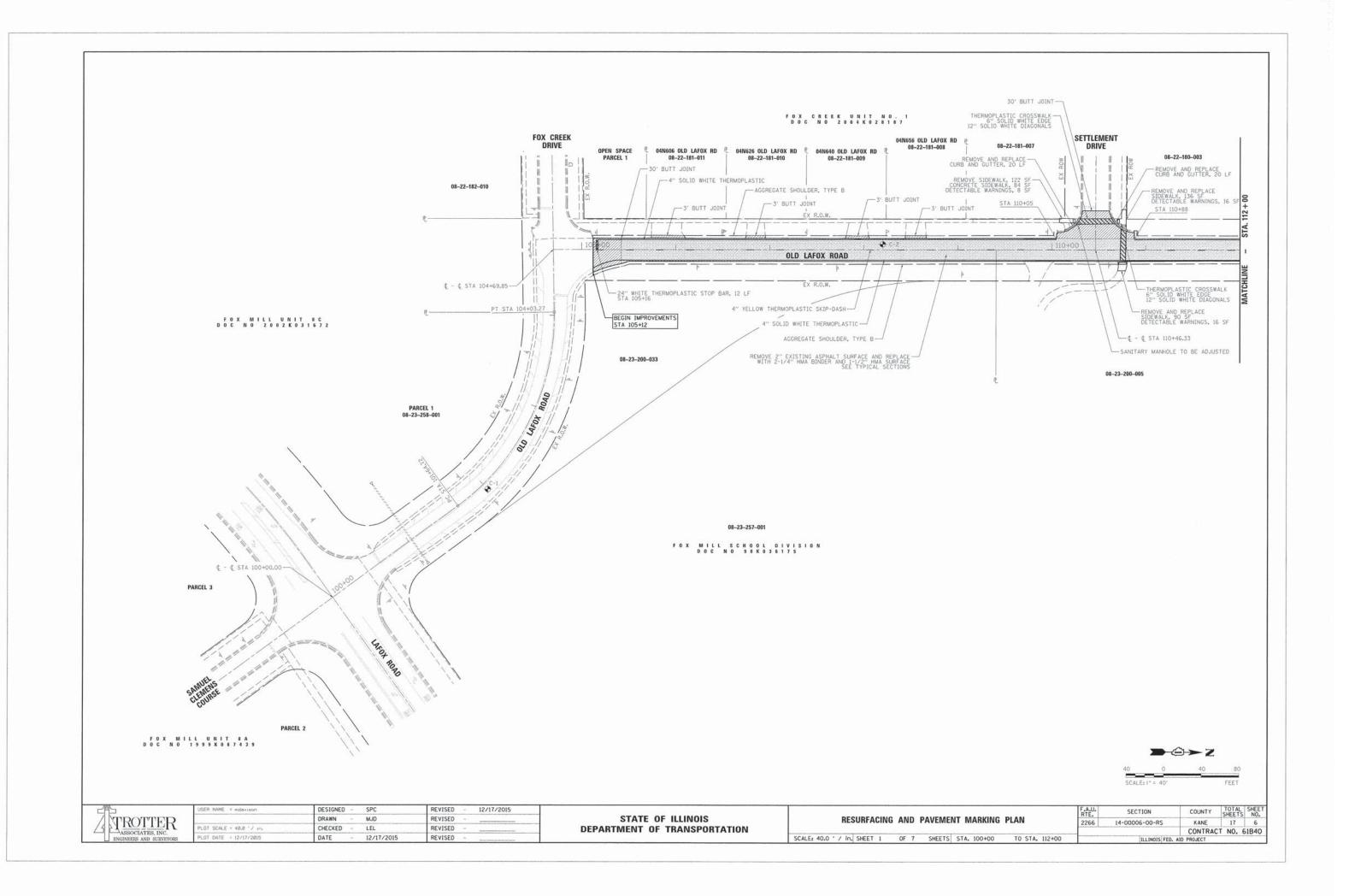
HMA THE "AC TYPE" SHALL BE PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS

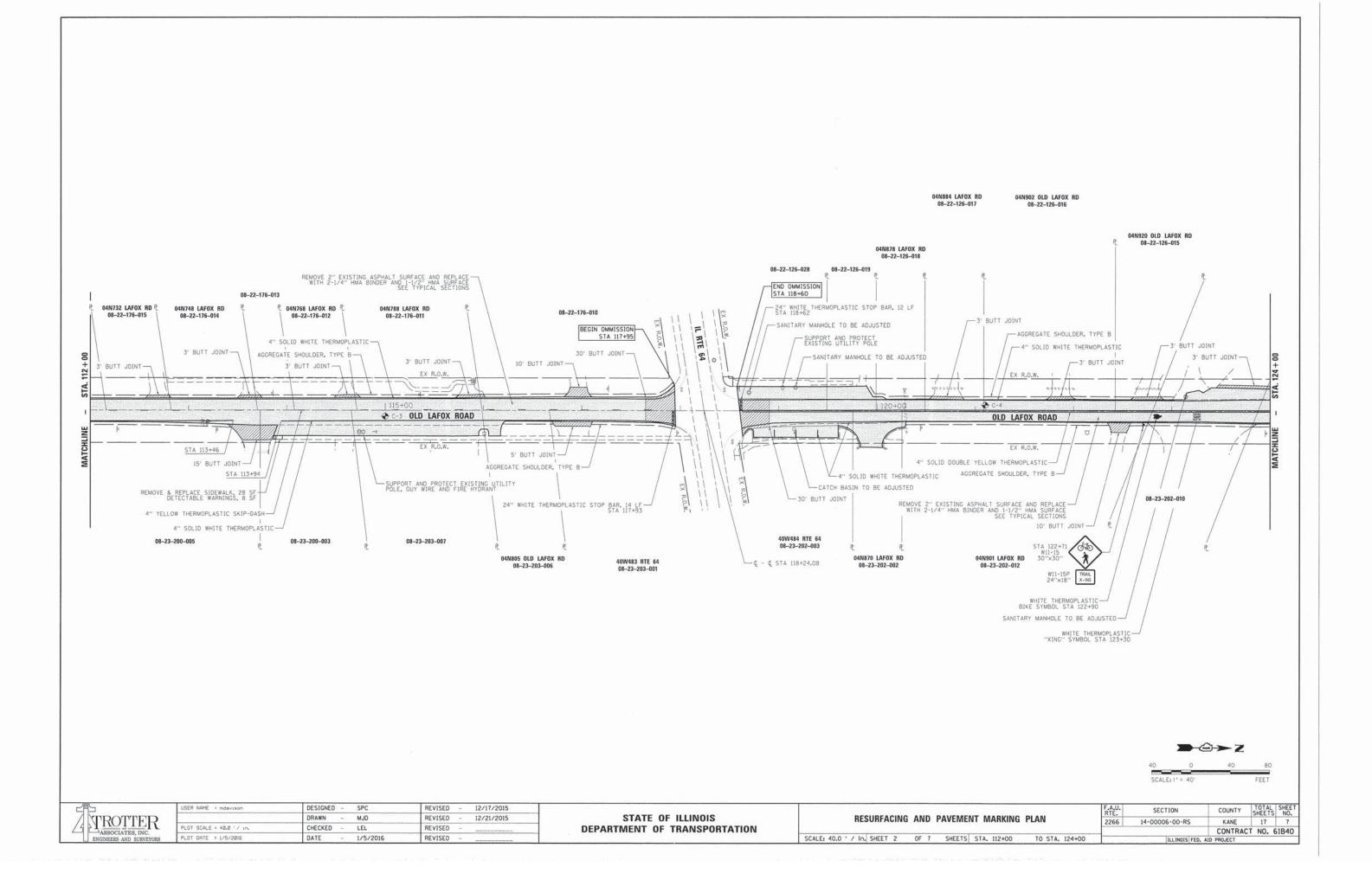
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

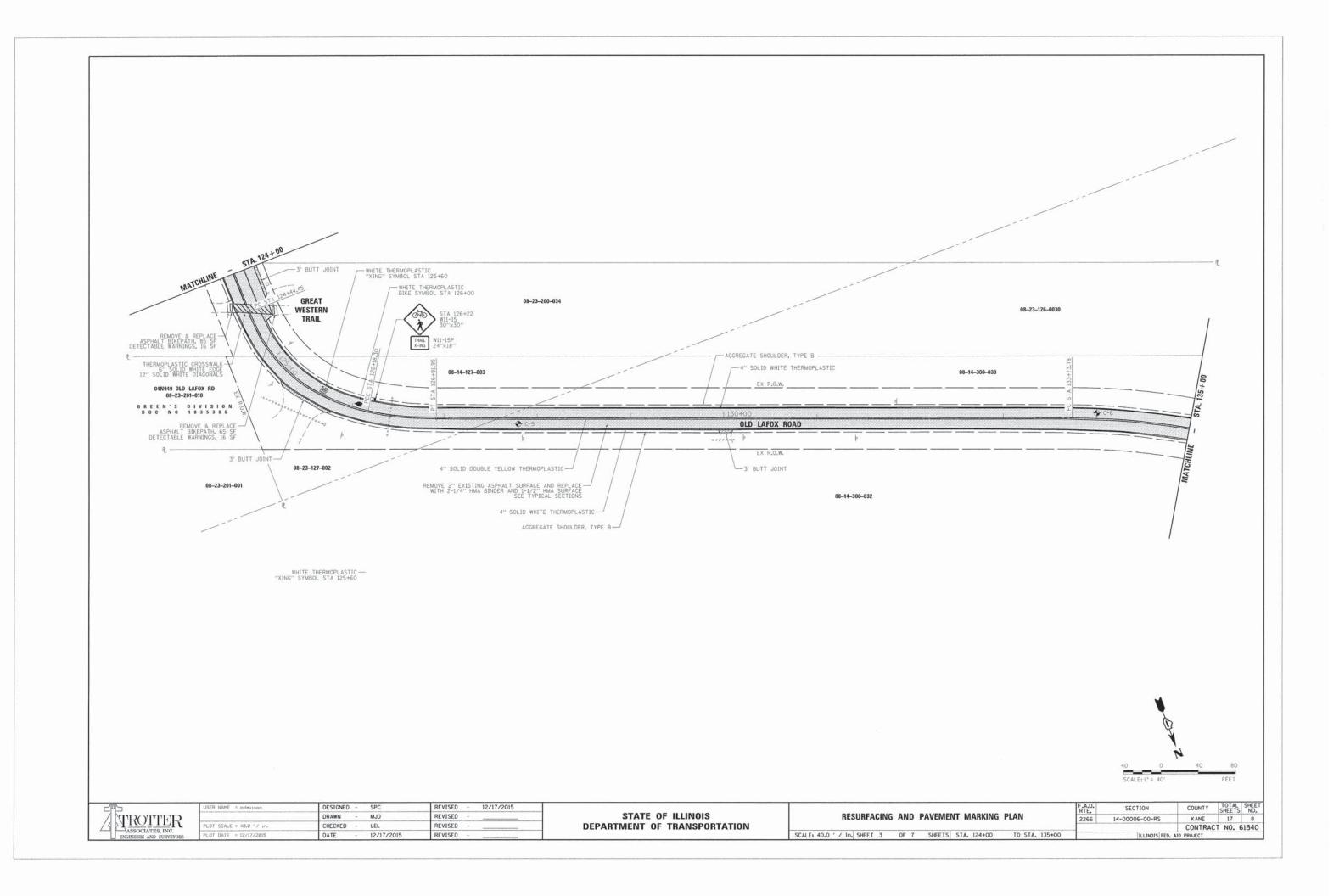
	USER NAME = dgillespie	DESIGNED -	SPC	REVISED - 12/17/2015
A KINBOAMIRID		DRAWN -	MJD	REVISED - 12/21/2015
ASSOCIATES INC.	PLOT SCALE = 1.0 '/ in.	CHECKED -	LEL	REVISED -
ENGINEERS AND SURVEYORS	PLOT DATE = 1/5/2016	DATE -	1/5/2016	REVISED -

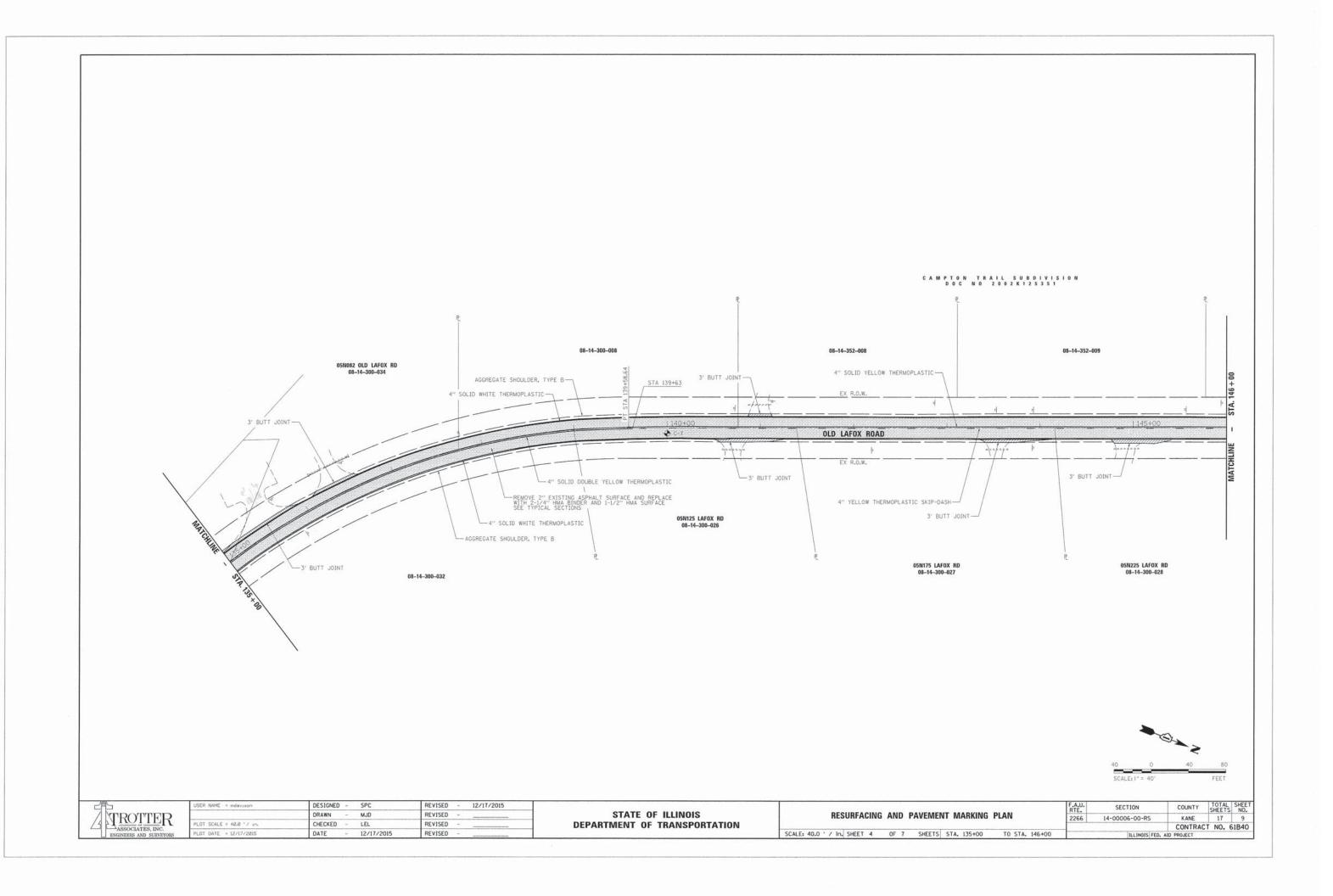
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DEPARTMENT	OF	TRANSPORTATION

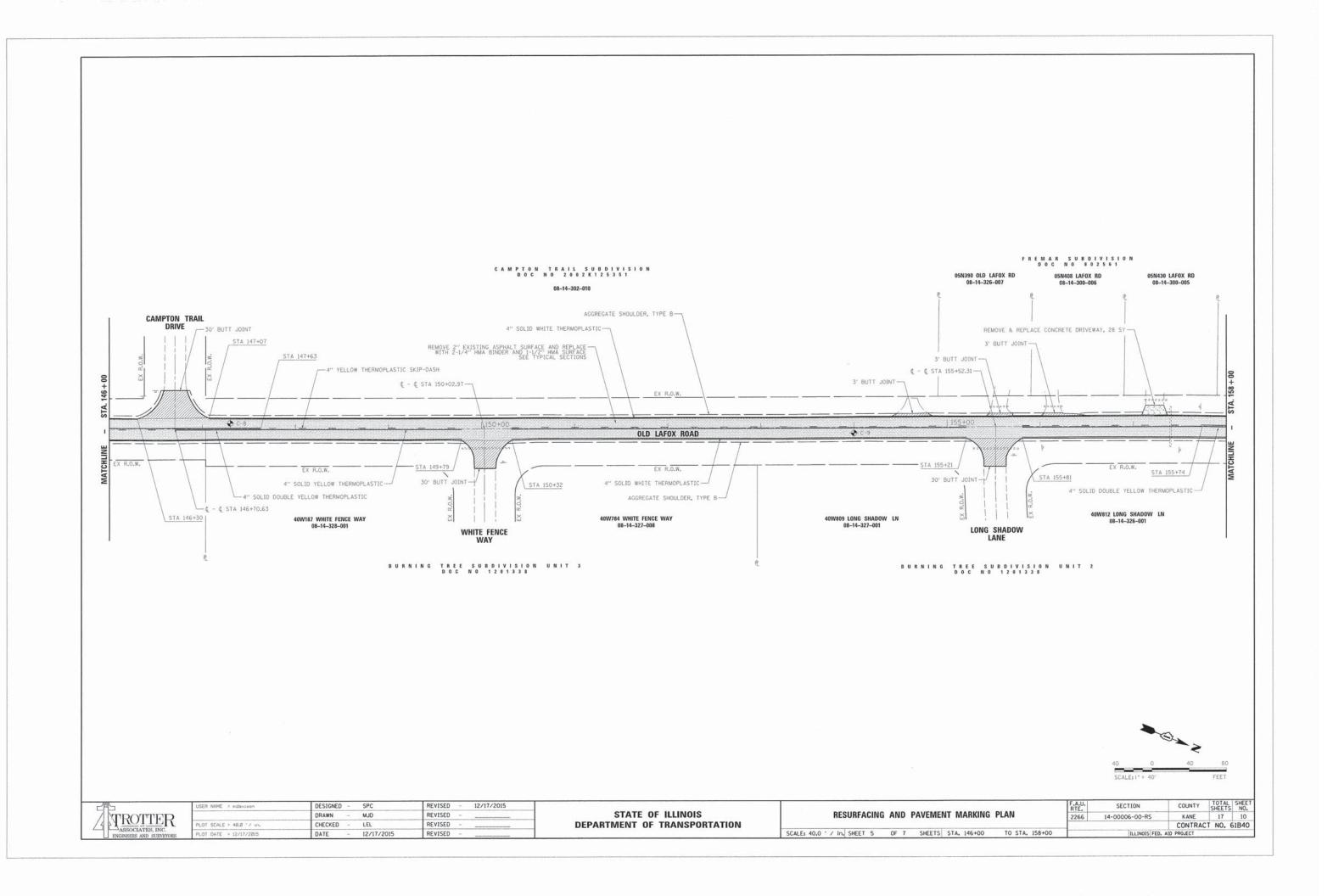
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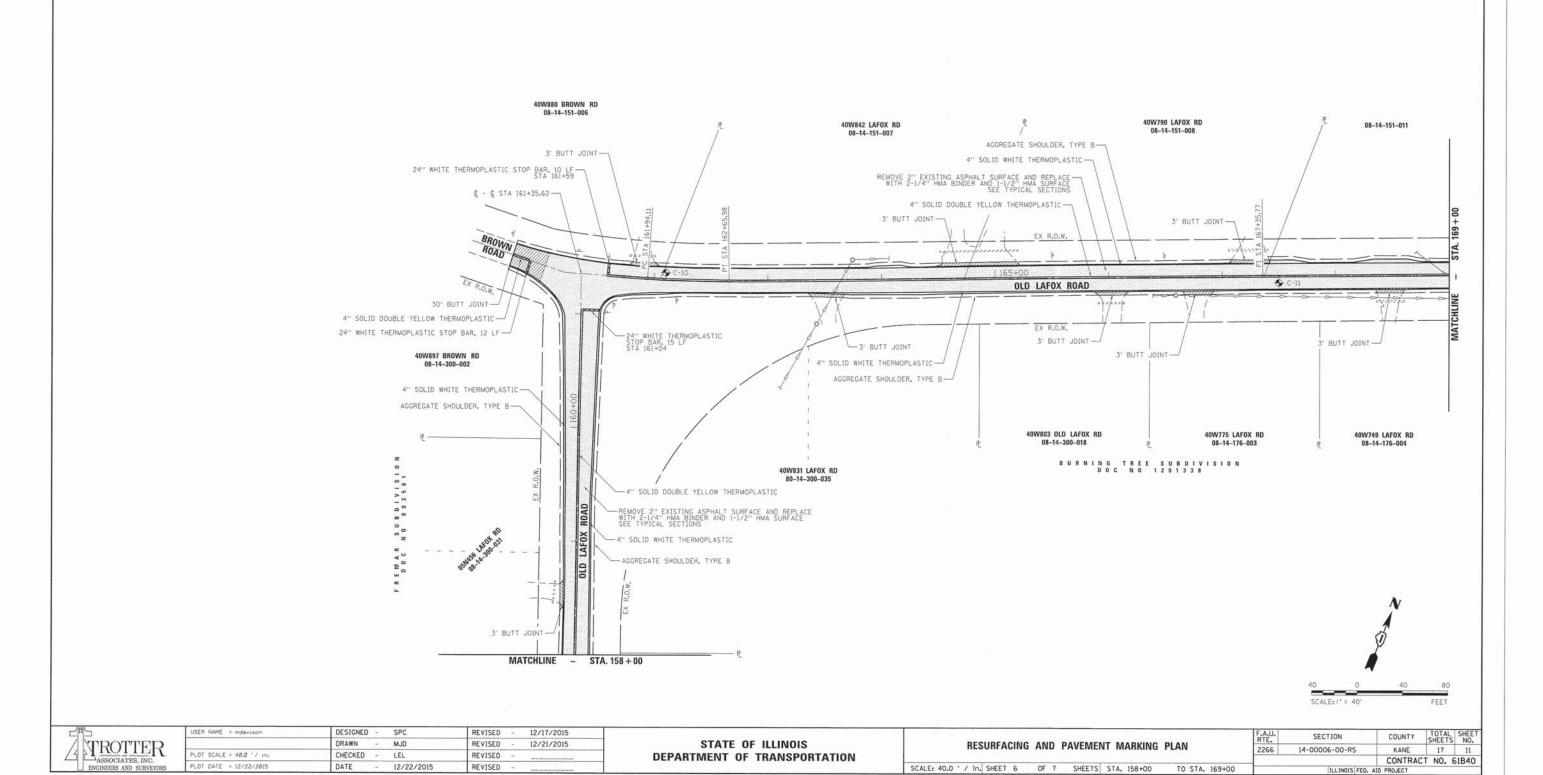


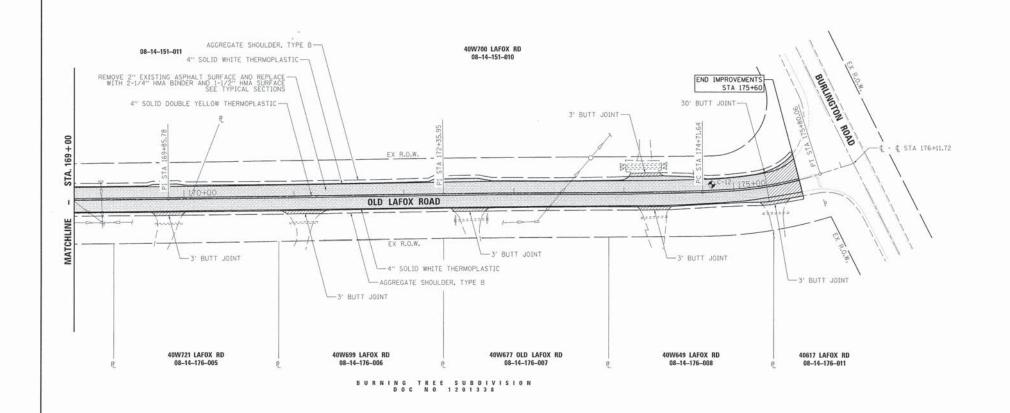


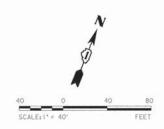




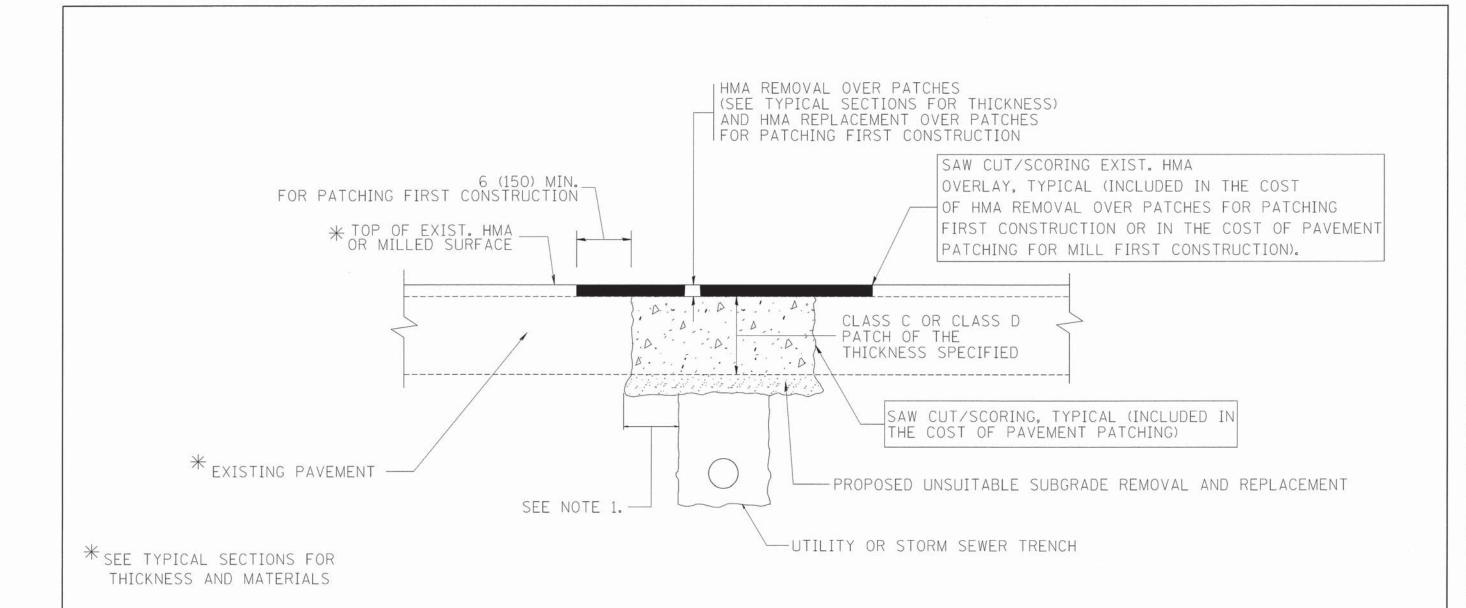








	USER NAME = mdevison	DESIGNED - SPC	REVISED - 12/17/2015			F.A.U.	SECTION	COUNTY	TOTAL S	HEET NO.
TROTTER		DRAWN - MJD	REVISED -	STATE OF ILLINOIS	RESURFACING AND PAVEMENT MARKING PLAN	2266	14-00006-00-RS	KANE	17	12
A LOCALITY INC.	PLOT SCALE = 40.0 ° / in.	CHECKED - LEL	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRAC	T NO. 6	B40
ENGINEERS AND SURVEYORS	PLOT DATE = 12/17/2015	DATE - 12/17/2015	REVISED		SCALE: 40.0 ' / in. SHEET 6 OF 7 SHEETS STA. 169+00 TO STA. 176+11.72		ILLINOIS FED. AI	Acres westerness to the second		- 10



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)

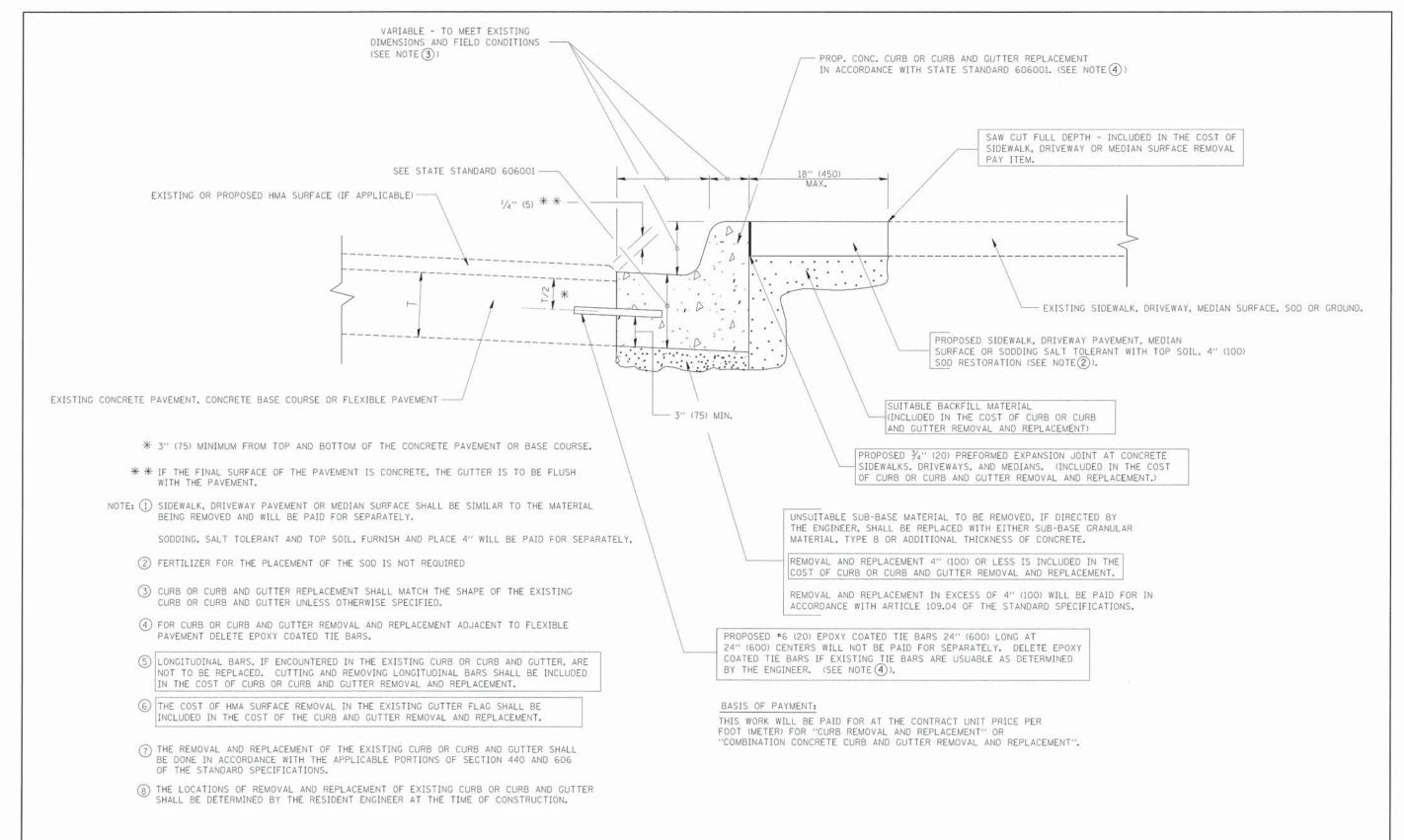
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 41/2 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.

ı	ďÞ.	USER NAME = mdavison	DESIGNED - SPC	REVISED - 12/17/2015		PAVEMENT PATCHING FOR	F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
	/ TROTTER		DRAWN - MJD	REVISED -	STATE OF ILLINOIS	HMA SURFACED PAVEMENT	2266	14-00006-00-RS	KANE	17	13
	ASSOCIATES, INC.	PLOT SCALE = 1 ' / in.	CHECKED - LEL	REVISED -	DEPARTMENT OF TRANSPORTATION		В	3D400-04 (BD-22)	CONTRACT	CT NO.	61B40
- 1	L ENGINEERS AND SURVEYORS	PLOT DATE = 12/17/2015	DATE - 12/17/2015	REVISED -		SCALE: 1 ' / In. SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	AID PROJECT		



CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

COUNTY TOTAL SHEE NO.

CONTRACT NO. 61B40

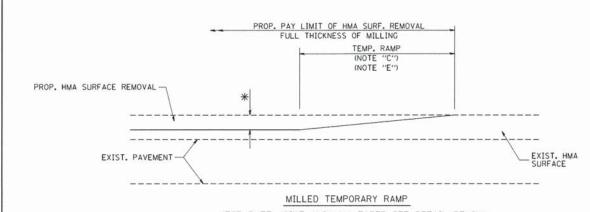
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/	TROTTER
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4	ASSOCIATES, INC.
	ENGINEERS AND SURVEYORS

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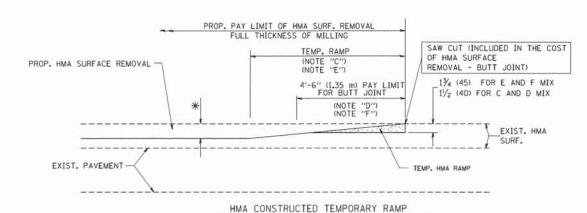
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

1		CURB	OR	CURB	AN	D GUTTER		F.A.U. RTE.	SECTION	COUNTY
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ı		200000	0.00		-11/2/2019			BD BD	600-06 (BD-24)	CONTRA
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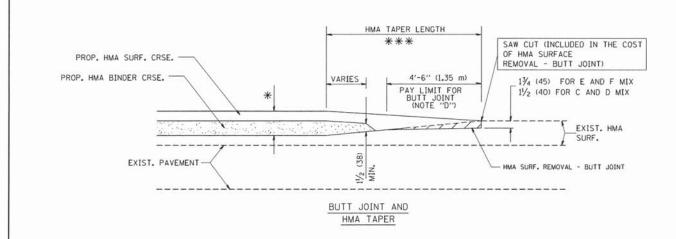
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

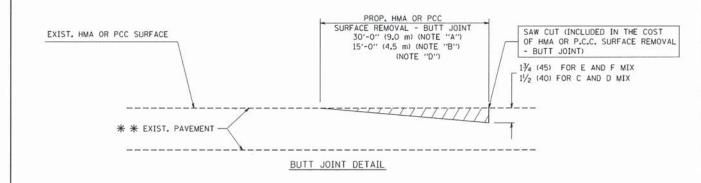


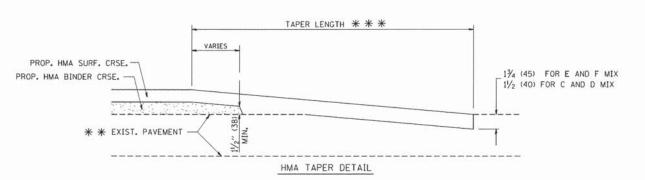
OPTION 2 TYPICAL TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)



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{\$

BASIS OF PAYMENT:

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

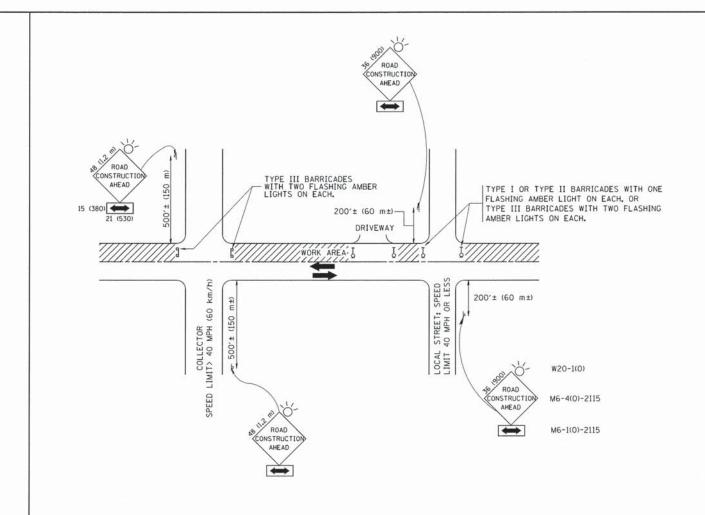
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TROTTER
ASSOCIATES, INC.
ENGINEERS AND SURVEYORS

USER NAME = mdevison	DESIGNED -	SPC	REVISED	-	12/17/2015
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		BUTT	JOINT AND		F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
		HIMA T	APER DETAILS		2266	14-00006-00-RS	KANE	17	15
		HIVIA I	AFEN DETAILS			BD400-05 (BD-32)	CONTRAC	CT NO.	51B40
SCALE: 1 ' / In.	SHEET 1	OF 1	SHEETS STA.	TO STA.	ILLINOIS FED. AI				



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:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I. TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- o) 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.
- 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.

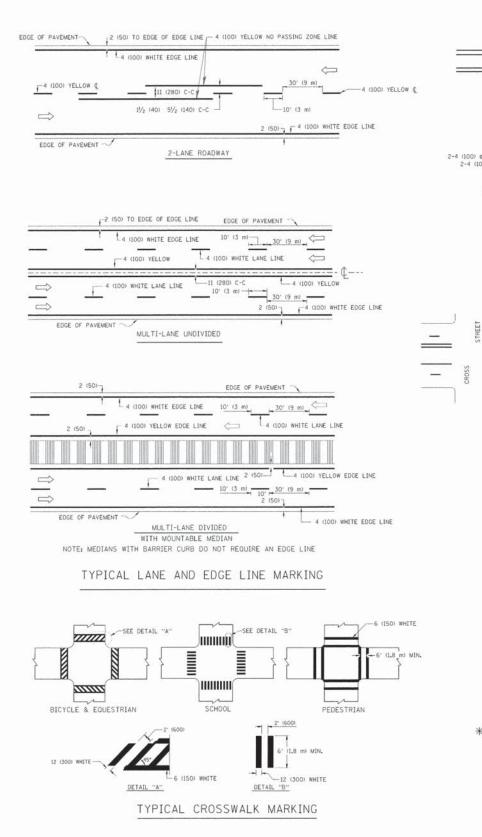
TROTTER ASSOCIATES, INC.

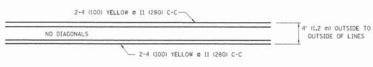
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PLOT DATE = 12/17/2015	DATE - 12/17/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

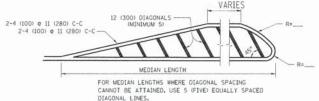
	TRAFFIC CONTROL AND PROTECTION FOR							
S	2266	14-00						
3		TC						
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F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET TS NO. 16 61B40	
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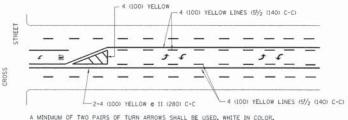


4' (1.2 m) WIDE MEDIANS ONLY



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

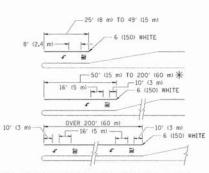


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS,



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



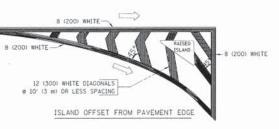
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

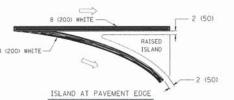
\$\frac{1}{3}\text{ AREA} = 15.6 \text{ SO. FT. (1.5 m}^2) \text{ MLY AREA} = 20.8 \text{ SO. FT. (1.9 m}^2)

\$\frac{2}{3}\text{ TENT 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 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 e 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: 51/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	MHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 e 6 (150) 12 (300) e 45° 12 (300) e 90°	SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE A' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 © 4 (100) WITH 12 (300) DIAGONALS © 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
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 (0VER 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 m²) EACH "X"=54,0 SO. FT. (5.0 m²)
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 (0VER 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.

	USER NAME = mdavison	DESIGNED - SPC	REVISED - 12/17/2015		
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2007-0-2007	IIII	LAL FA	VEIVICIAI	MANKINGS			TC 13	CONTRAC	T NO. 6	51B40
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