FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	1
	ILLINOIS	CONTRACT NO. 61J11		

01-20-2023 LETTING ITEM 046

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION
MONTGOMERY ROAD - MAJOR COLLECTOR

TRAFFIC DATA
MONTGOMERY ROAD
2020 ADT =12,200

POSTED SPEED LIMIT
MONTGOMERY ROAD = 40 MPH

DESIGN SPEED LIMIT
MONTGOMERY ROAD = 40 MPH

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

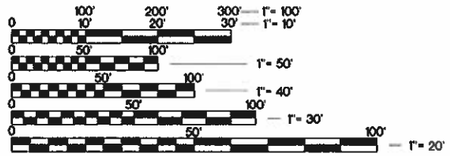
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 3819 (MONTGOMERY ROAD)
FRONTENAC ROAD TO ILLINOIS ROUTE 59
ROADWAY RESURFACING
SECTION NO.: 22-00346-00-RS
PROJECT NO.: DQUP(988)
CITY OF AURORA
DUPAGE COUNTY

C-91-154-22

LOCATION OF SECTION INDICATED THUS: -



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.

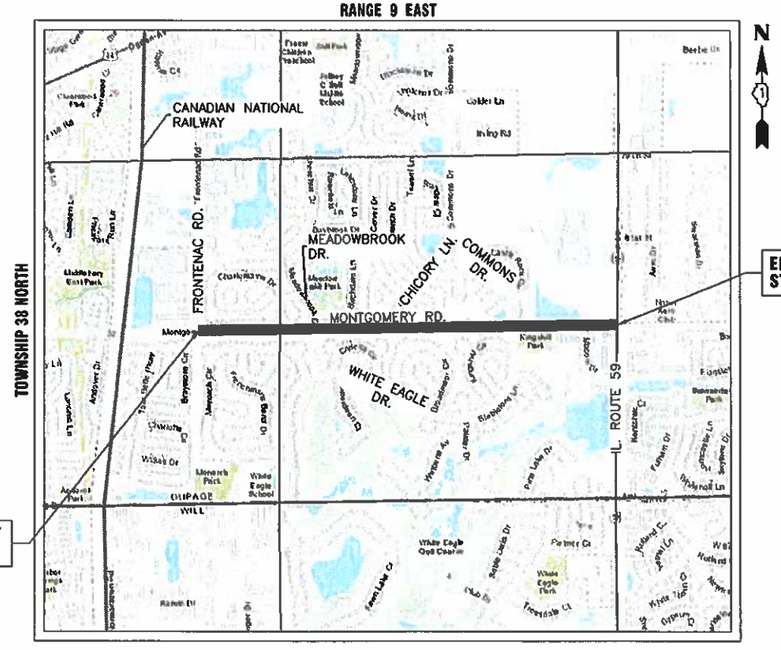
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
811 OR 1-800-892-0123

Dial 811 or 1-800-892-0123
811
Know what's below. Call before you dig.

JULIE DESIGN TICKET NUMBER: # X221871617

WITH THE FOLLOWING:
COUNTY DUPAGE COUNTY
CITY-TOWNSHIP AURORA-NAPERVILLE TOWNSHIP
SEC. & 1/4 SEC. NO # 32,33-38 N.-9 E.

(2) Working Days before you dig (Excluding Sat., Sun. & Holidays)



DUPAGE COUNTY- NAPERVILLE TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP
NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED October 27 20 22
Timothy V. Weidner
CITY OF AURORA, ENGINEERING COORDINATOR

PASSED NOV 7 20 22
C T R d h
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW NOVEMBER 20 22
Jose Ruiz LCDR
REGIONAL ENGINEER

TIMOTHY V. WEIDNER 062-056548 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS EXP. 11/30/2023
SEAL
Timothy V. Weidner
TIMOTHY V. WEIDNER, P.E.
EXPIRES: NOVEMBER 30, 2023

CONTRACT NO. 61J11

GROSS LENGTH OF PROJECT = 6,410.00 FEET (1.214 MILES)
NET LENGTH OF PROJECT = 6,410.00 FEET (1.214 MILES)

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

ILLINOIS URBAN MANUAL EROSION CONTROL DETAILS

IUM-654SB	TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
IUM-561C	INLET PROTECTION - PAVED AREAS CURB PROTECTION
IUM-561D	INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

DISTRICT ONE DETAILS

BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
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
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY THE IDENTIFIED DISCREPANCIES.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING UTILITIES FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY, STATE, OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
6. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.
7. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
8. SIDEWALK REMOVAL AND REPLACEMENT AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AS SHOWN ON THE PLANS IS FOR INFORMATIONAL PURPOSES ONLY. ACTUAL LOCATIONS AND QUANTITIES ARE TO BE DETERMINED AND MARKED BY THE ENGINEER PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
10. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS.
11. THE CONTRACTOR SHALL VERIFY THAT ALL CRACKS, JOINTS, AND FLANGEWAYS ARE CLEAN AND DRY PRIOR TO PLACEMENT OF MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS.
12. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED BY THE CONTRACTOR OFF-SITE.
13. DRIVEWAY ENTRANCES WILL BE KEPT OPEN TO TRAFFIC AT ALL TIMES. THE CONTRACTOR WILL BE ALLOWED TO CLOSE A MAXIMUM OF HALF THE AREA OF ANY ONE ENTRANCE AT ANY TIME. IT IS ESSENTIAL THAT THE ENTRANCES REMAIN OPEN AND 'DRIVE-ABLE' FOR TWO-WAY TRAFFIC AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL AND PROTECTION. WHERE NEW CURB AND GUTTER IS TO BE INSTALLED ACROSS A DRIVEWAY, IT IS EXPECTED THAT ONLY HALF OF THE DRIVEWAY ENTRANCE MAY BE REMOVED AND REPLACED AT ANY ONE TIME. ONLY AFTER PROPER CONCRETE CURE TIME HAS OCCURRED MAY THE CONTRACTOR BEGIN REMOVAL AND REPLACEMENT OPERATIONS ON THE REMAINING HALF OF THE CURB AND GUTTER. THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE A HALF OF DRIVEWAY ENTRANCE FOR MORE THAN 48 HOURS UNDER ANY CIRCUMSTANCE.
14. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN
15. ALL CURB RAMPS ARE STANDARD AND SHALL BE CONSTRUCTED ACCORDING TO IDOT HIGHWAY STANDARDS.
16. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED IS 45 MPH OR LESS, WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
17. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

UTILITIES

1. ALL UTILITY COMPANIES AND THE CITY OF AURORA SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
2. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
3. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12 INCHES IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OF CATCH BASINS, MANHOLES, INLETS AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.
4. THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES (IN VALVE BOXES AND VALVE VAULTS) SHALL REMAIN READILY ACCESSIBLE TO THE CITY FOR EMERGENCY OPERATIONS AND NOT BURIED DURING CONSTRUCTION, UNLESS APPROVED BY THE ENGINEER. THE LOCATIONS OF ALL WATER FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES. FOR ALL OTHER STRUCTURES THAT NEED TO BE ADJUSTED THAT ARE NOT WATER, THE CONTRACTOR CAN CHOOSE TO ADJUST THEM ACCORDING TO BD-08. THE CONTRACTOR CAN ALSO CHOOSE TO BURY WATER STRUCTURES ACCORDING TO BD-08 WITH APPROVAL BY THE ENGINEER. THE CONTRACTOR WOULD NEED TO PROVIDE A DETAILED SCHEDULE OF MILLING, PAVING AND ADJUSTMENT TIMELINES FOR THE ENGINEER'S REVIEW. APPROVAL BY THE ENGINEER IS NOT GUARENTEED AND WOULD BE CONTINGENT ON THE CONTRACTOR BURYING WATER STRUCTURES LAST AND ADJUSTING THEM FIRST. THE CONTRACTOR IS TO DETERMINE ANY PROTECTION OR RAMPING THAT IS REQUIRED AROUND STRUCTURES IF THEY ARE NOT BURIED. OPEN LID STORM MANHOLE STRUCTURES IN THE PAVEMENT MAY NOT BE ABLE TO BE ADJUSTED ACCORDING TO BD-08.
5. THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN THEIR YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.

SIGNING AND STRIPING

1. ALL EXISTING SIGNS (INCLUDING THOSE LOCATED ON UTILITY/LIGHT POLES) THAT DO NOT CONFLICT WITH THE IMPROVEMENTS SHALL REMAIN IN PLACE UNLESS DIRECTED BY THE ENGINEER.
2. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
3. SEE IDOT DISTRICT ONE DETAILS TC-13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS), AND TC-16 (SHORT TERM PAVEMENT MARKINGS LETTERS AND SYMBOLS) AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
4. GRINDING OF PAVEMENT MARKINGS ON NEWLY CONSTRUCTED HOT-MIX ASPHALT SHALL NOT BE PERMITTED.

COMMITMENTS

NONE AS OF 08/12/2022

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED - MPL	REVISED -	
FILE NAME = 211321-Cover	DRAWN - MPL	REVISED -	
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -	
PLOT DATE = 10/24/2022	DATE - 10/24/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, DETAILS, HIGHWAY STANDARDS AND GENERAL NOTES

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	02
		CONTRACT NO. 61J11		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 75% FEDERAL 25% LOCAL 0005	TRAINEES 75% FEDERAL 25% LOCAL 0042
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	89	89	
	*	25200110	SODDING, SALT TOLERANT	SQ YD	89	89	
	*	25200200	SUPPLEMENTAL WATERING	UNIT	4.9	4.9	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,026	18,026	
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	12,359	12,359	
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10.7	10.7	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	244	244	
	*	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,469	1,469	
	*	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,991	2,991	
	*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	500.0	500.0	
	*	42400800	DETECTABLE WARNINGS	SQ FT	120	120	
	*	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	26,703	26,703	
		44000600	SIDEWALK REMOVAL	SQ FT	500	500	
		44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	190	190	
		44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	370	370	
		44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	750	750	

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
FILE NAME = 211321-Cover	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	03
		CONTRACT NO. 61J11		
	ILLINOIS | FED. AID PROJECT			

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 75% FEDERAL 25% LOCAL 0005	TRAINEES 75% FEDERAL 25% LOCAL 0042
		44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	560	560	
		48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	193	193	
		60260100	INLETS TO BE ADJUSTED	EACH	20	20	
		60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1	
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2	
		67100100	MOBILIZATION	L SUM	1	1	
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,184	8,184	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,728	2,728	
t		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	510	510	
t		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	29,508	29,508	

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

COMPANY NAME:
PROJECT CONTACT:
CAD USER:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
FILE NAME = 211321-Cover	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	04
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 75% FEDERAL 25% LOCAL 0005	TRAINEES 75% FEDERAL 25% LOCAL 0042
t		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,782	2,782	
t		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,681	1,681	
t		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	202	202	
t		78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	510	510	
t		78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	29,508	29,508	
t		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	2,782	2,782	
t		78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,681	1,681	
t		78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	202	202	
t	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	42	42	
	*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	550	550	
	*	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	68	68	
	*	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	466	466	
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103	
	*	Z0076600	TRAINEES	HOUR	500		500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

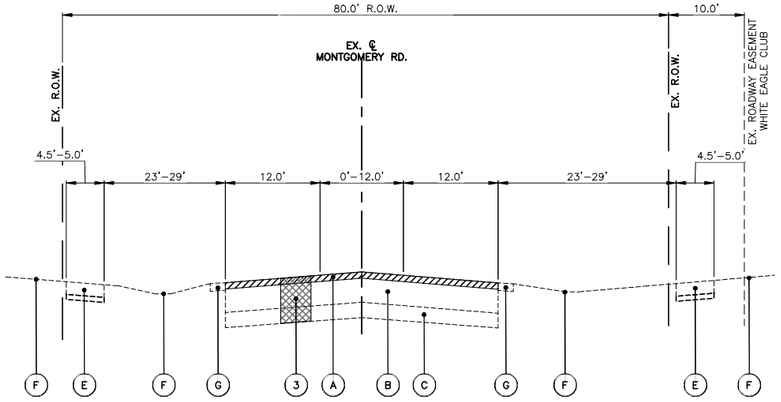
COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211J21-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
FILE NAME = 211J21-Cover	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

SUMMARY OF QUANTITIES

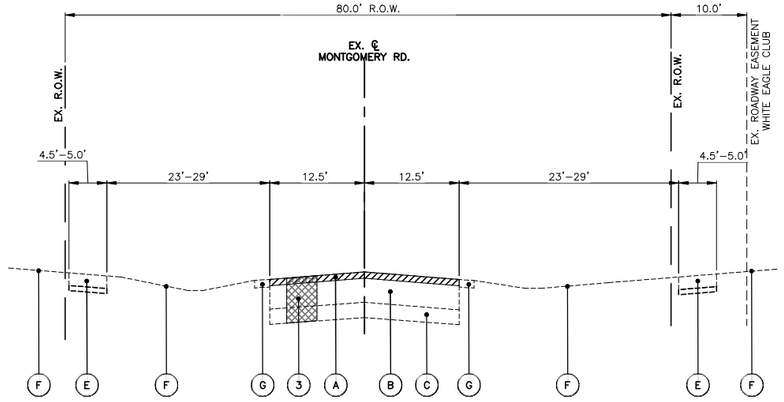
SCALE: N.T.S. | SHEET NO. 03 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	05
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



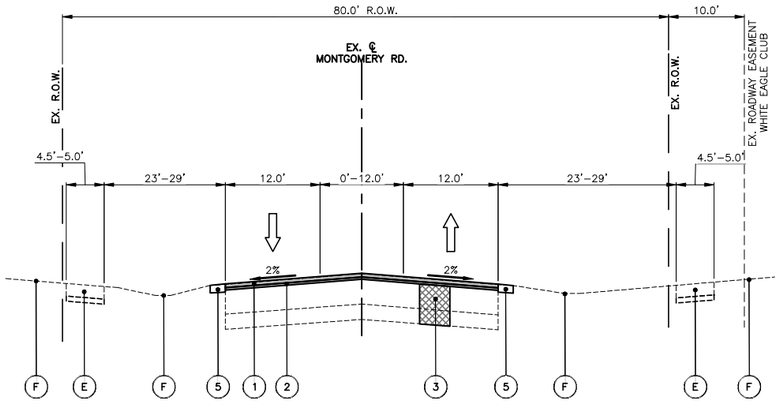
EXISTING TYPICAL SECTION - MONTGOMERY RD.

STA: 103+80.0 – STA: 107+00.0
STA: 115+00.0 – STA: 118+22.0
STA: 135+87.0 – STA: 140+00.0



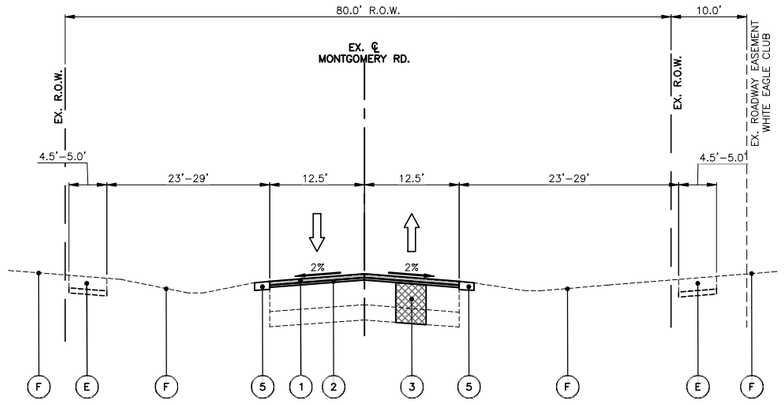
EXISTING TYPICAL SECTION - MONTGOMERY RD.

STA: 107+00.0 – STA: 115+00.0
STA: 140+00.0 – STA: 143+00.0



PROPOSED TYPICAL SECTION - MONTGOMERY RD.

STA: 103+80.0 – STA: 107+00.0
STA: 115+00.0 – STA: 118+22.0
STA: 135+87.0 – STA: 140+00.0



PROPOSED TYPICAL SECTION - MONTGOMERY RD.

STA: 107+00.0 – STA: 115+00.0
STA: 140+00.0 – STA: 143+00.0

EXISTING LEGEND

- (A) HOT–MIX ASPHALT SURFACE REMOVAL 3"
- (B) HOT–MIX ASPHALT PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) COMBINATION CURB AND GUTTER REMOVAL, VARIES FROM TYPE B–6.12 TO B–6.18
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING GROUND
- (G) EXISTING SHOULDER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING	HOT–MIX ASPHALT SURFACE COURSE, IL–9.5, MIX "D", N70; 2"	4% @ 70 GYR.	LR1030–2
	POLYMERIZED HOT–MIX ASPHALT BINDER COURSE, IL–4.75, N50; 1"	3.5% @ 50 GYR.	LR1030–2
CLASS D PATCHES	HOT–MIX ASPHALT BINDER COURSE, IL–19.0, N70, 9"	4% @ 70 GYR.	LR1030–2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030–2

THE UNIT WEIGHT 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 RECLAIMED MATERIALS SPECIFICATIONS. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE P HMA BC IL–4.75 N50."

PROPOSED LEGEND

- (1) HOT–MIX ASPHALT SURFACE COURSE, IL–9.5, MIX "D", N70; 2"
- (2) POLYMERIZED HOT–MIX ASPHALT BINDER COURSE, IL–4.75, N50; 1"
- (3) CLASS D PATCHES W/SUBBASE GRANULAR MATERIAL, TYPE B, 9" (SPOT LOCATIONS AS DIRECTED BY ENGINEER)
- (4) COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B–6.12 TO B–6.18 (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B

NOTE:
- THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE EXISTING R.O.W.

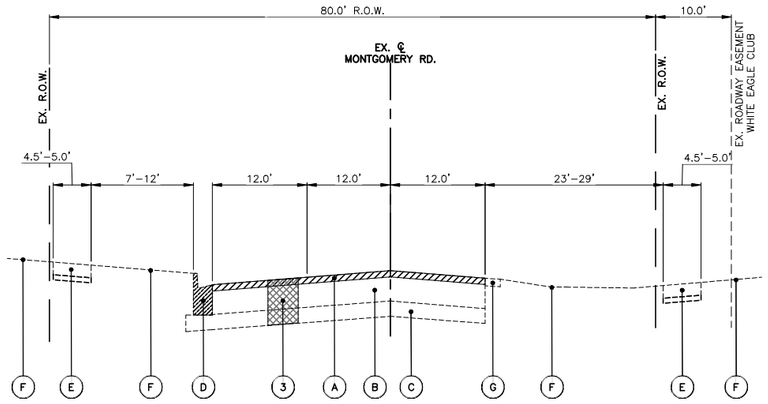
COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Typ-Sec
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
FILE NAME = 211321-Typ-Sec	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

TYPICAL SECTIONS

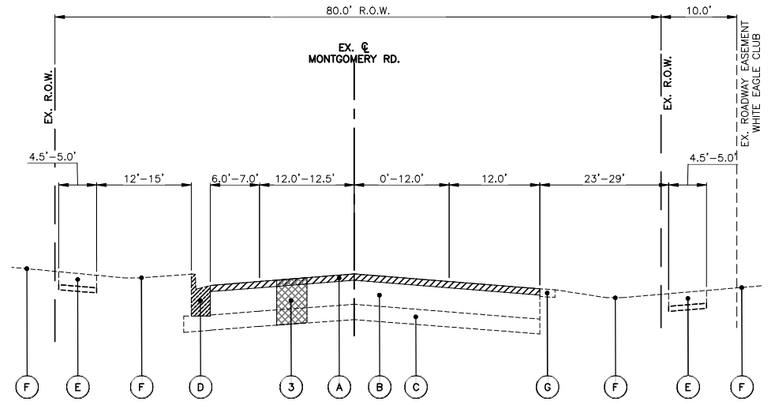
SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22–00346–00–RS	DUPAGE	30	06
		CONTRACT NO. 61J11		
	ILLINOIS	FED. AID PROJECT		



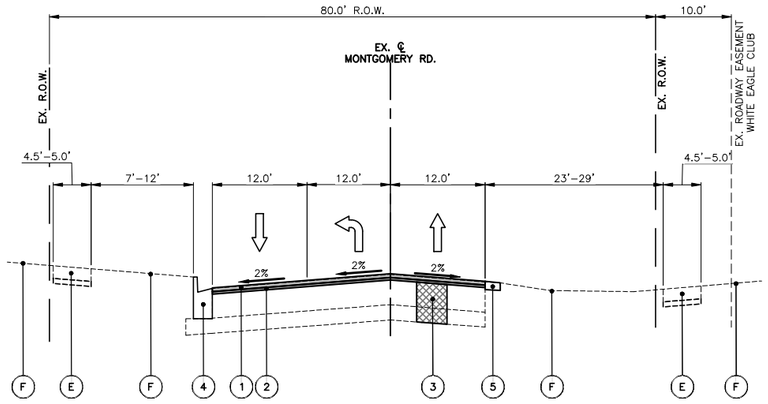
EXISTING TYPICAL SECTION - MONTGOMERY RD.

STA: 118+22.0 – STA: 135+87.0



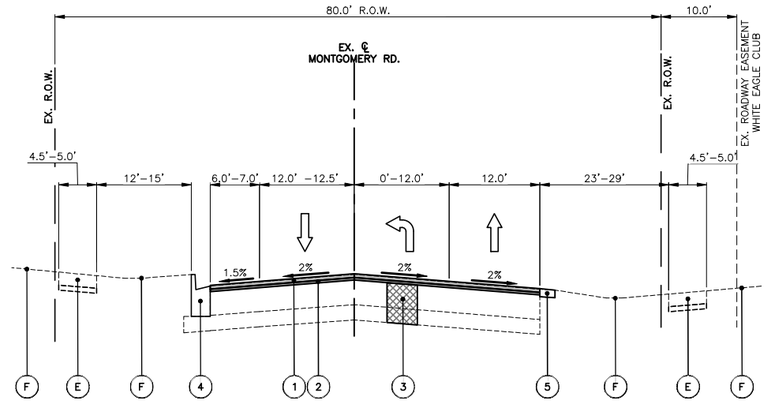
EXISTING TYPICAL SECTION - MONTGOMERY RD.

STA: 143+00.0 – STA: 153+00.0



PROPOSED TYPICAL SECTION - MONTGOMERY RD.

STA: 118+22.0 – STA: 135+87.0



PROPOSED TYPICAL SECTION - MONTGOMERY RD.

STA: 143+00.0 – STA: 153+00.0

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL 3"
- (B) HOT-MIX ASPHALT PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) COMBINATION CURB AND GUTTER REMOVAL, VARIES FROM TYPE B-6.12 TO B-6.18
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING GROUND
- (G) EXISTING SHOULDER

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) CLASS D PATCHES W/SUBBASE GRANULAR MATERIAL, TYPE B, 9" (SPOT LOCATIONS AS DIRECTED BY ENGINEER)
- (4) COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B-6.12 TO B-6.18 (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B

NOTE:

- THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE EXISTING R.O.W.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Typ-Sec
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

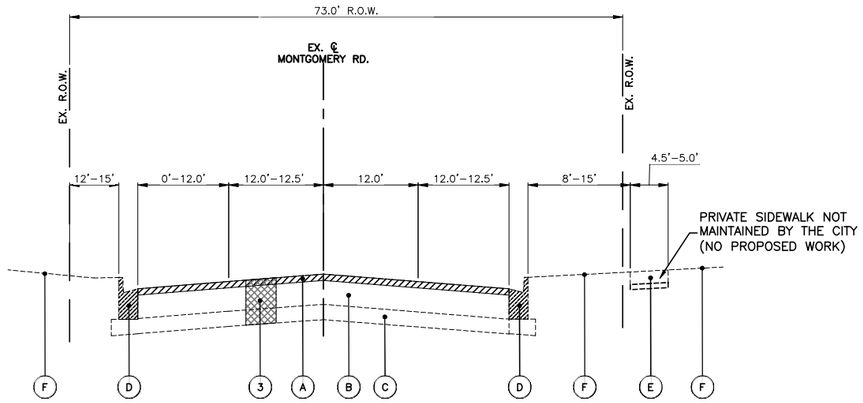
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 211321-Typ-Sec	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

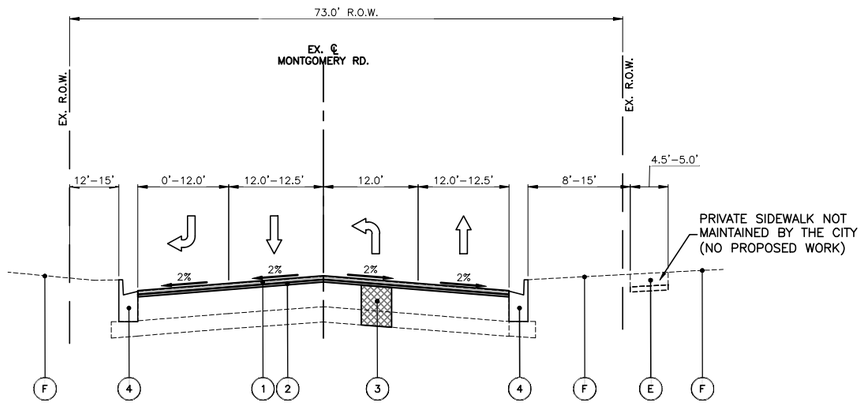
SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	07
		CONTRACT NO. 61J11		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION - MONTGOMERY RD.

STA: 153+00.0 – STA: 167+90.0



PROPOSED TYPICAL SECTION - MONTGOMERY RD.

STA: 153+00.0 – STA: 167+90.0

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL 3"
- (B) HOT-MIX ASPHALT PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) COMBINATION CURB AND GUTTER REMOVAL, VARIES FROM TYPE B-6.12 TO B-6.18
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING GROUND
- (G) EXISTING SHOULDER

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) CLASS D PATCHES W/SUBBASE GRANULAR MATERIAL, TYPE B, 9" (SPOT LOCATIONS AS DIRECTED BY ENGINEER)
- (4) COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B-6.12 TO B-6.18 (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B

NOTE:

- THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE EXISTING R.O.W.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:48 AM
FILE NAME: 211321-Typ-Sec
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

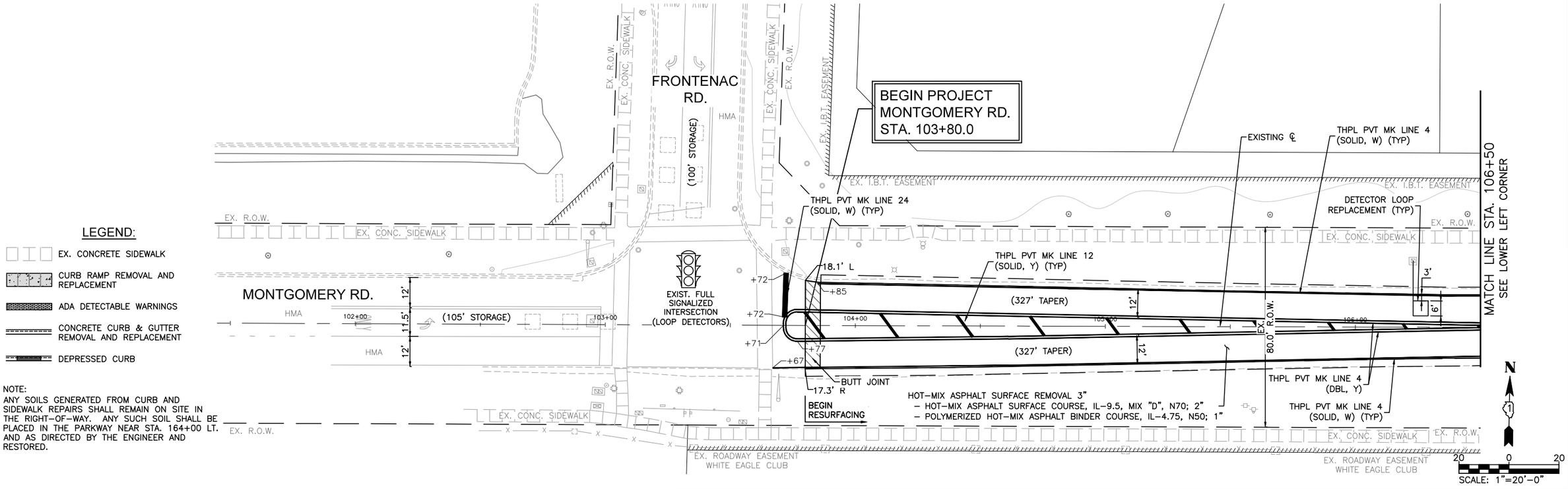
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 211321-Typ-Sec	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

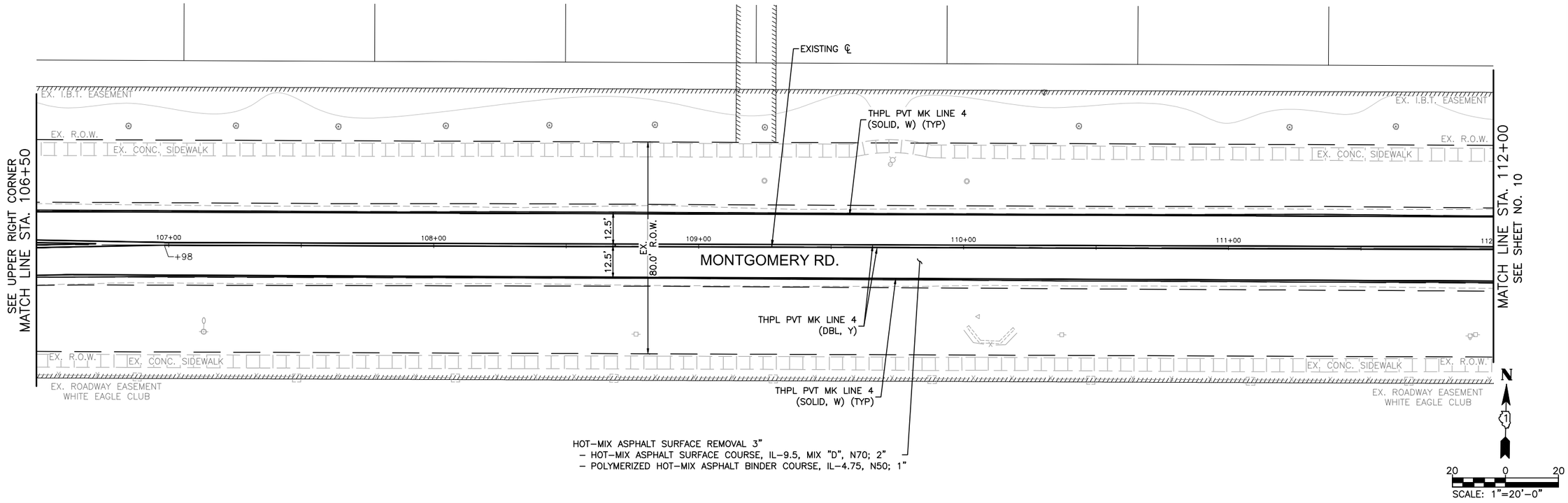
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 03 OF 03 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	08
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			





COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:49 AM
FILE NAME: 211321-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

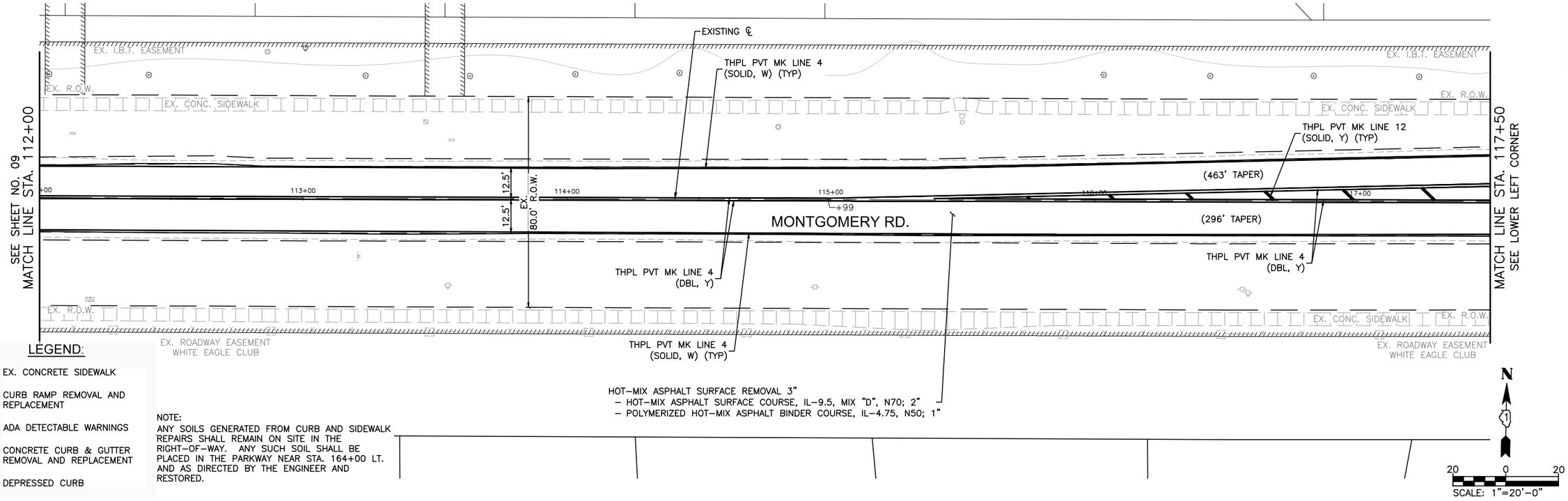
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 211321–Resurf–Plan	DRAWN – MPL	REVISED –
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –

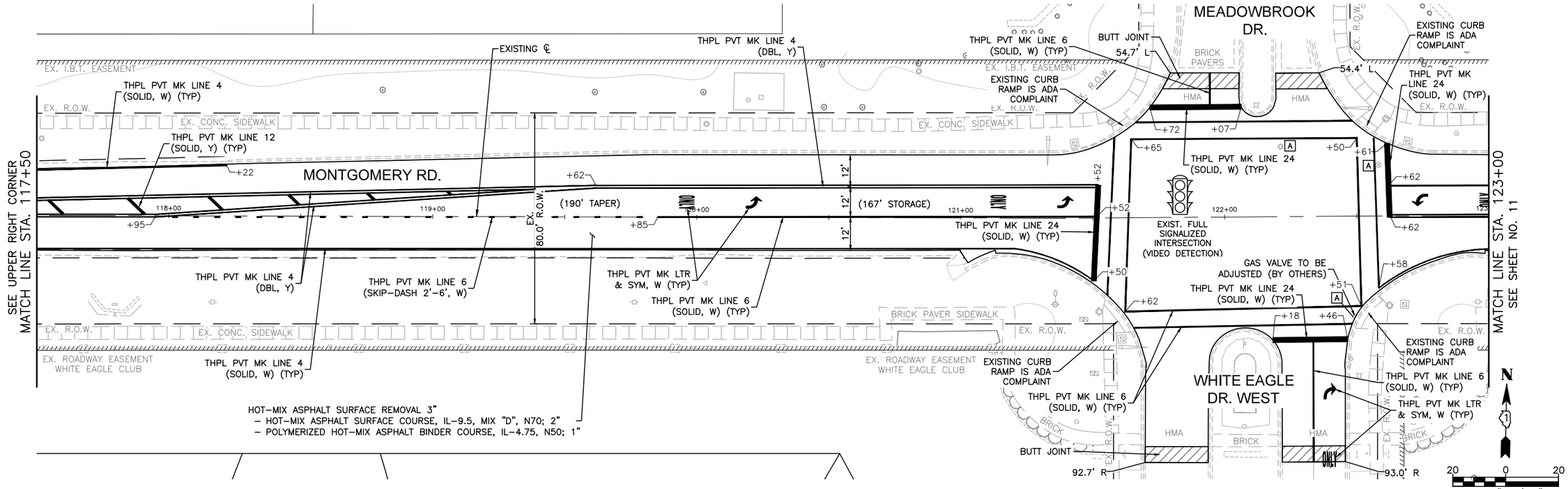
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 01 OF 07 SHEETS | STA. 101+50 TO STA. 112+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22–00346–00–RS	DUPAGE	30	09
		CONTRACT NO. 61J11		
	ILLINOIS	FED. AID PROJECT		





COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:49 AM
FILE NAME: 211321–Resurf–Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT–Standard.ctb

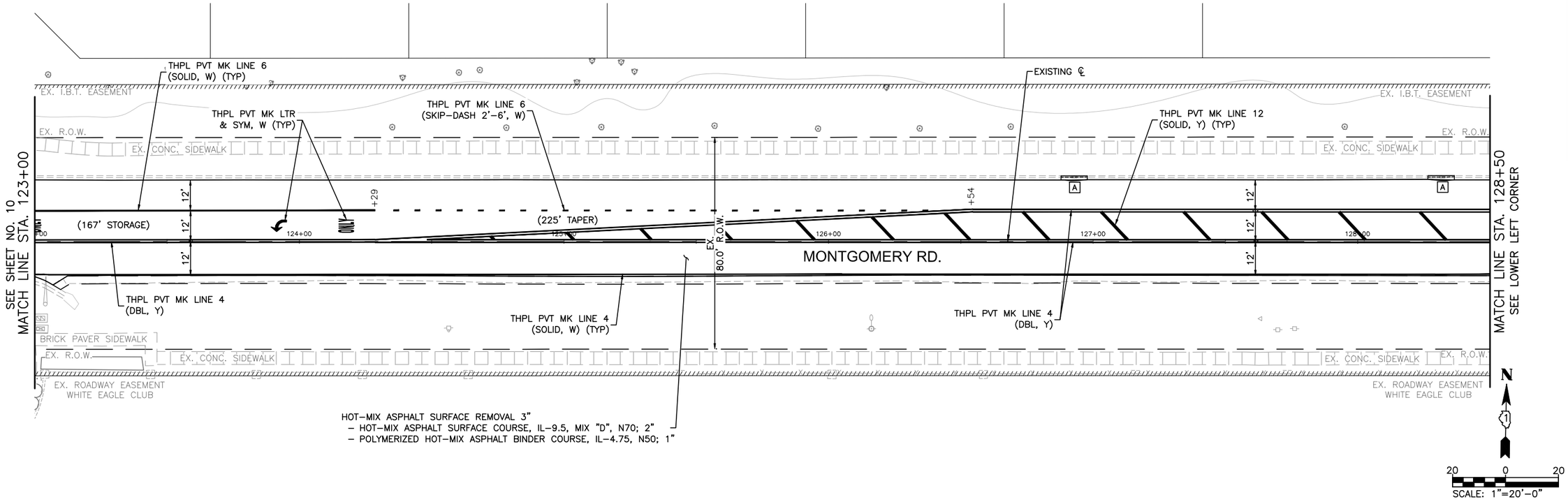
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 211321–Resurf–Plan	DRAWN – MPL	REVISED –
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –

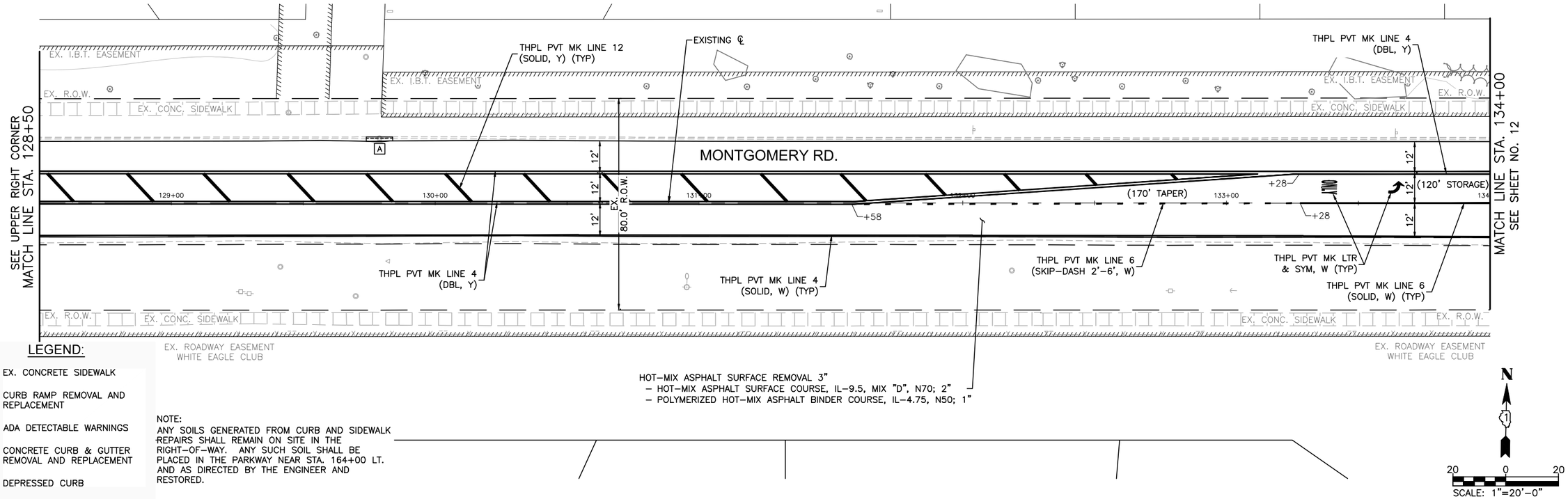
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 02 OF 07 SHEETS | STA. 112+00 TO STA. 123+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22–00346–00–RS	DUPAGE	30	10
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			





LEGEND:

- EX. CONCRETE SIDEWALK
- CURB RAMP REMOVAL AND REPLACEMENT
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT–OF–WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY NEAR STA. 164+00 LT. AND AS DIRECTED BY THE ENGINEER AND RESTORED.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:50 AM
FILE NAME: 211321–Resurf–Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT–Standard.ctb

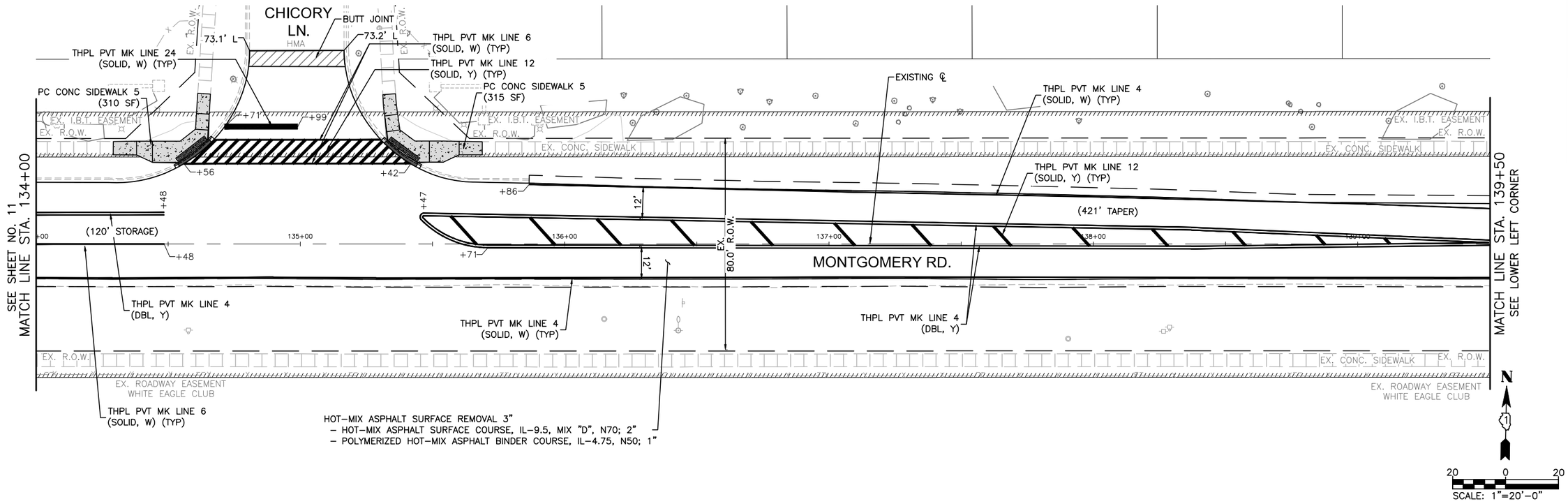
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 211321–Resurf–Plan	DRAWN – MPL	REVISED –	
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

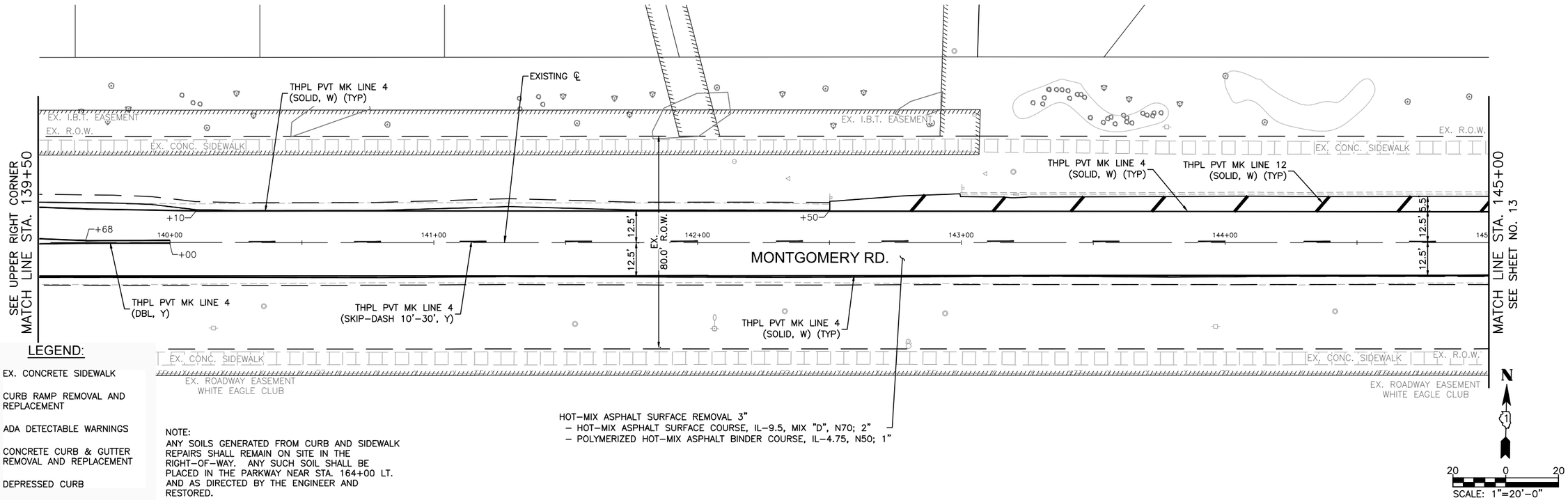
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 03 OF 07 SHEETS | STA. 123+00 TO STA. 134+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22–00346–00–RS	DUPAGE	30	11
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			





LEGEND:

- EX. CONCRETE SIDEWALK
- CURB RAMP REMOVAL AND REPLACEMENT
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY NEAR STA. 164+00 LT. AND AS DIRECTED BY THE ENGINEER AND RESTORED.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:50 AM
FILE NAME: 211321-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

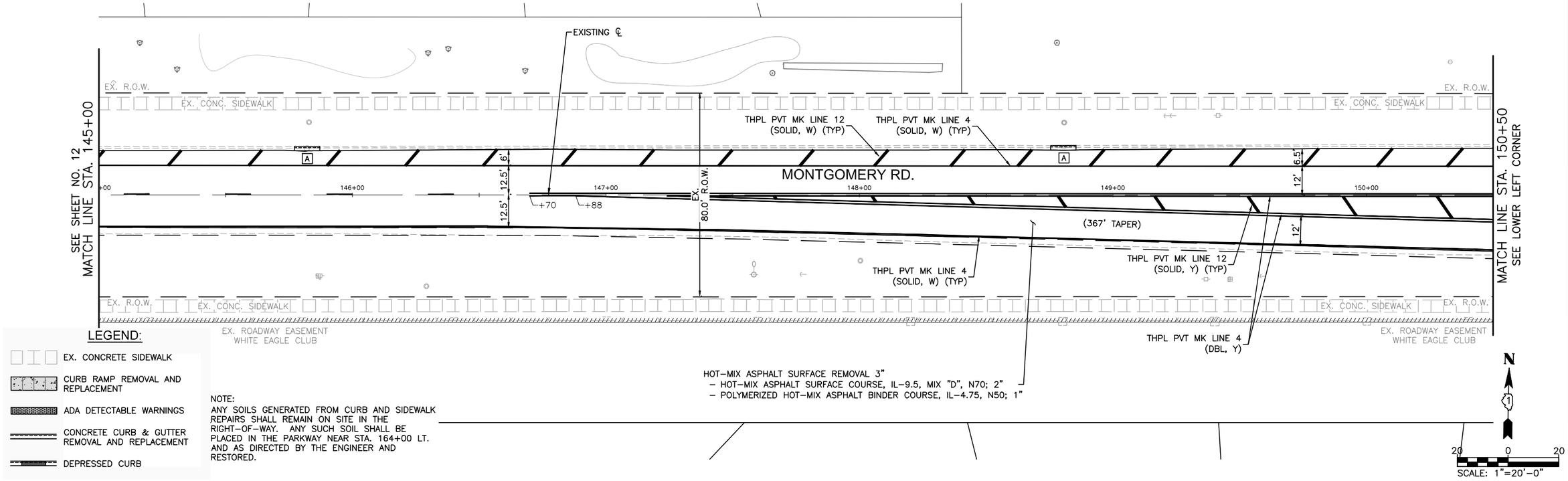
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 211321-Resurf-Plan	DRAWN – MPL	REVISED –	
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

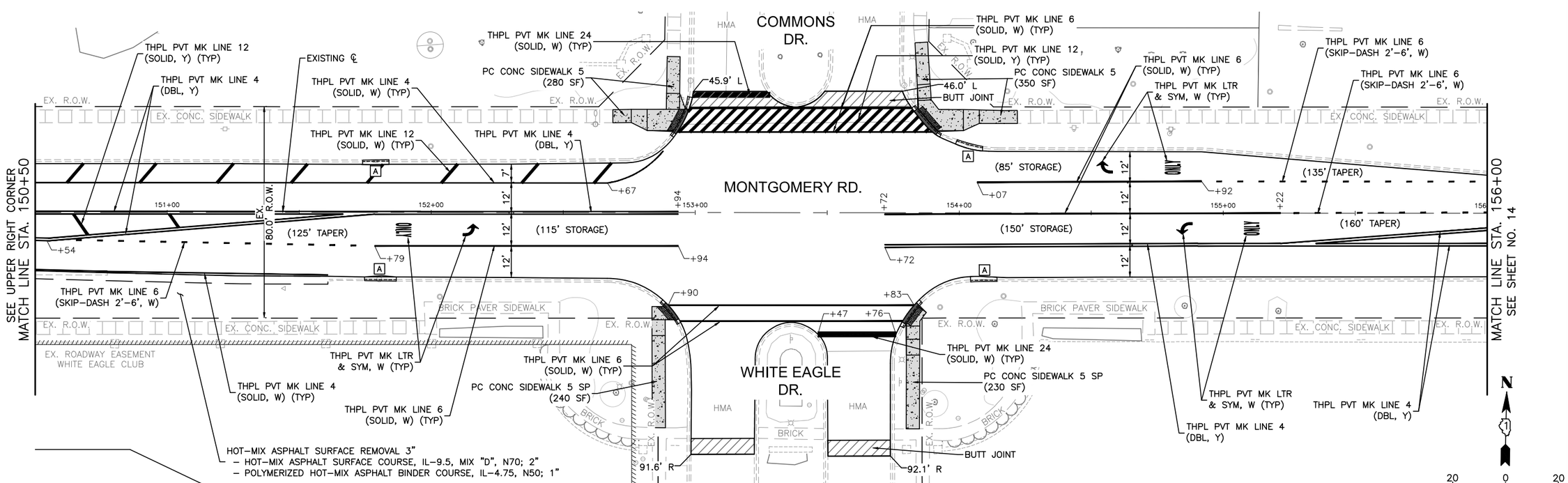
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 04 OF 07 SHEETS | STA. 134+00 TO STA. 145+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	12
		CONTRACT NO. 61J11		
	ILLINOIS	FED. AID PROJECT		





COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:50 AM
FILE NAME: 211321-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

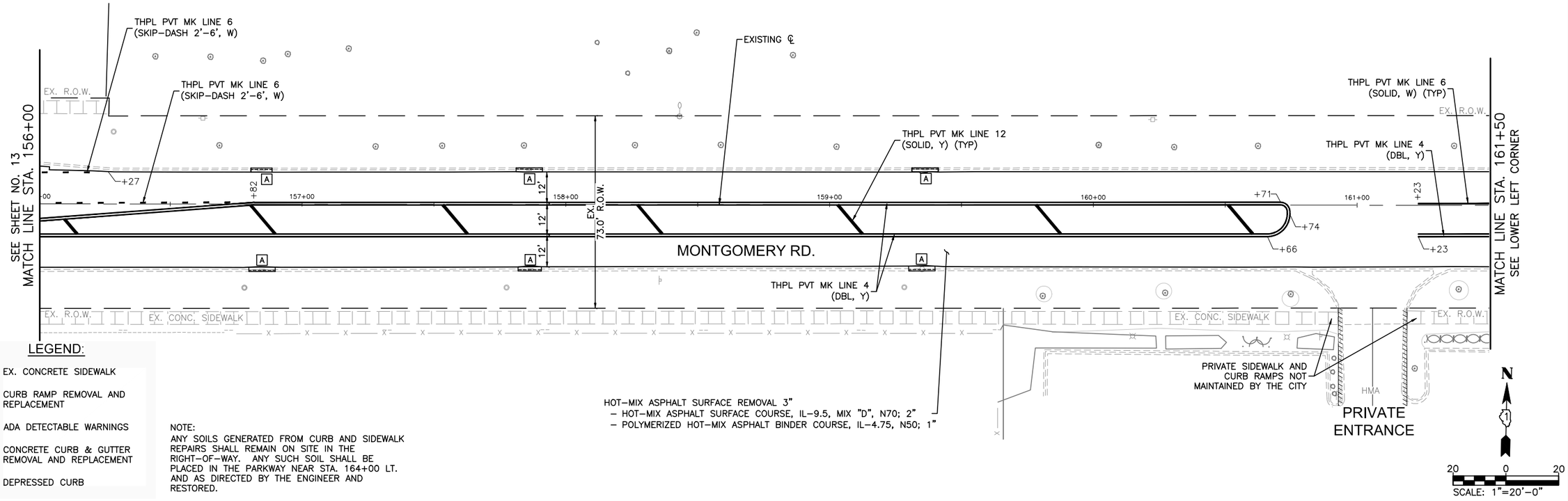
USER NAME = MLEWIS	DESIGNED - MPL	REVISED -	
FILE NAME = 211321-Resurf-Plan	DRAWN - MPL	REVISED -	
PLOT SCALE = 1"=20'	CHECKED - TW	REVISED -	
PLOT DATE = 10/24/2022	DATE - 10/24/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 05 OF 07 SHEETS | STA. 145+00 TO STA. 156+00

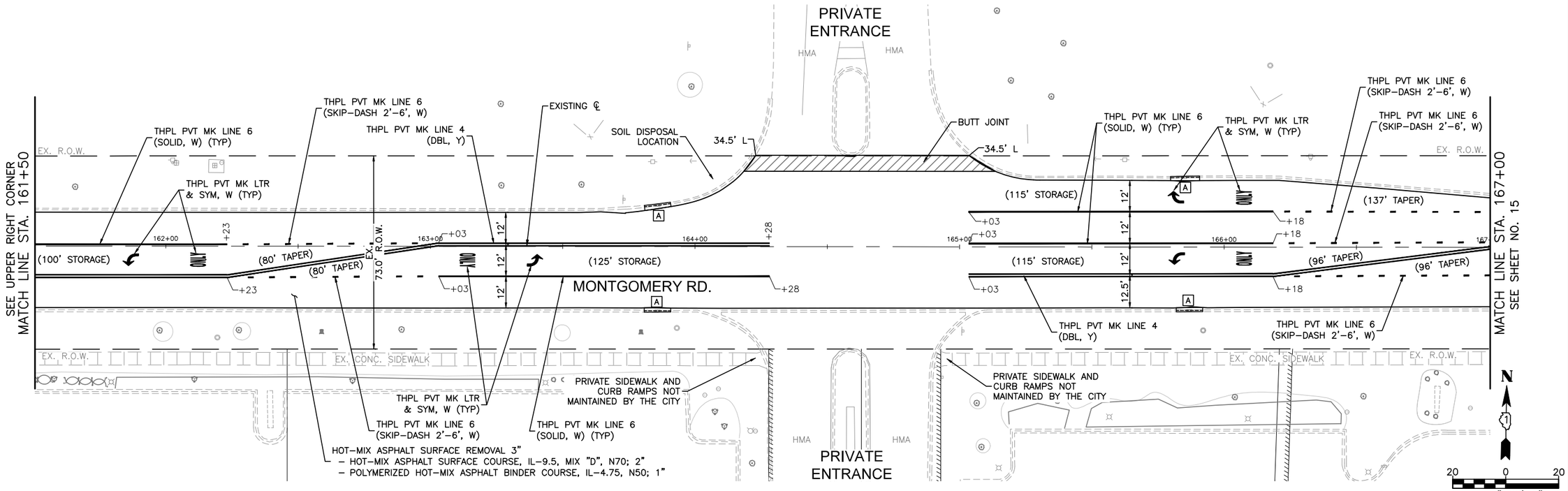
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	13
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



LEGEND:

- EX. CONCRETE SIDEWALK
- CURB RAMP REMOVAL AND REPLACEMENT
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT–OF–WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY NEAR STA. 164+00 LT. AND AS DIRECTED BY THE ENGINEER AND RESTORED.



COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321–Resurf–Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT–Standard.ctb

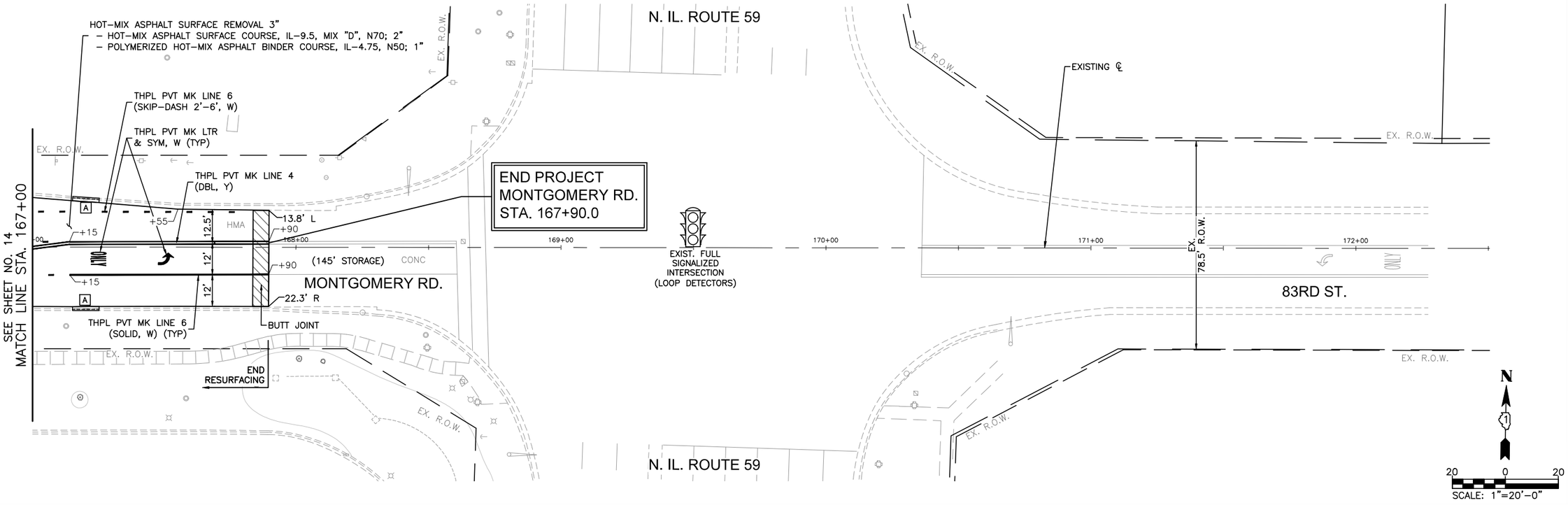
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 211321–Resurf–Plan	DRAWN – MPL	REVISED –
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 06 OF 07 SHEETS | STA. 156+00 TO STA. 167+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22–00346–00–RS	DUPAGE	30	14
		CONTRACT NO. 61J11		
		ILLINOIS	FED. AID PROJECT	



LEGEND:

- EX. CONCRETE SIDEWALK
- CURB RAMP REMOVAL AND REPLACEMENT
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY NEAR STA. 164+00 LT. AND AS DIRECTED BY THE ENGINEER AND RESTORED.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 211321-Resurf-Plan	DRAWN – MPL	REVISED –	
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –	
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

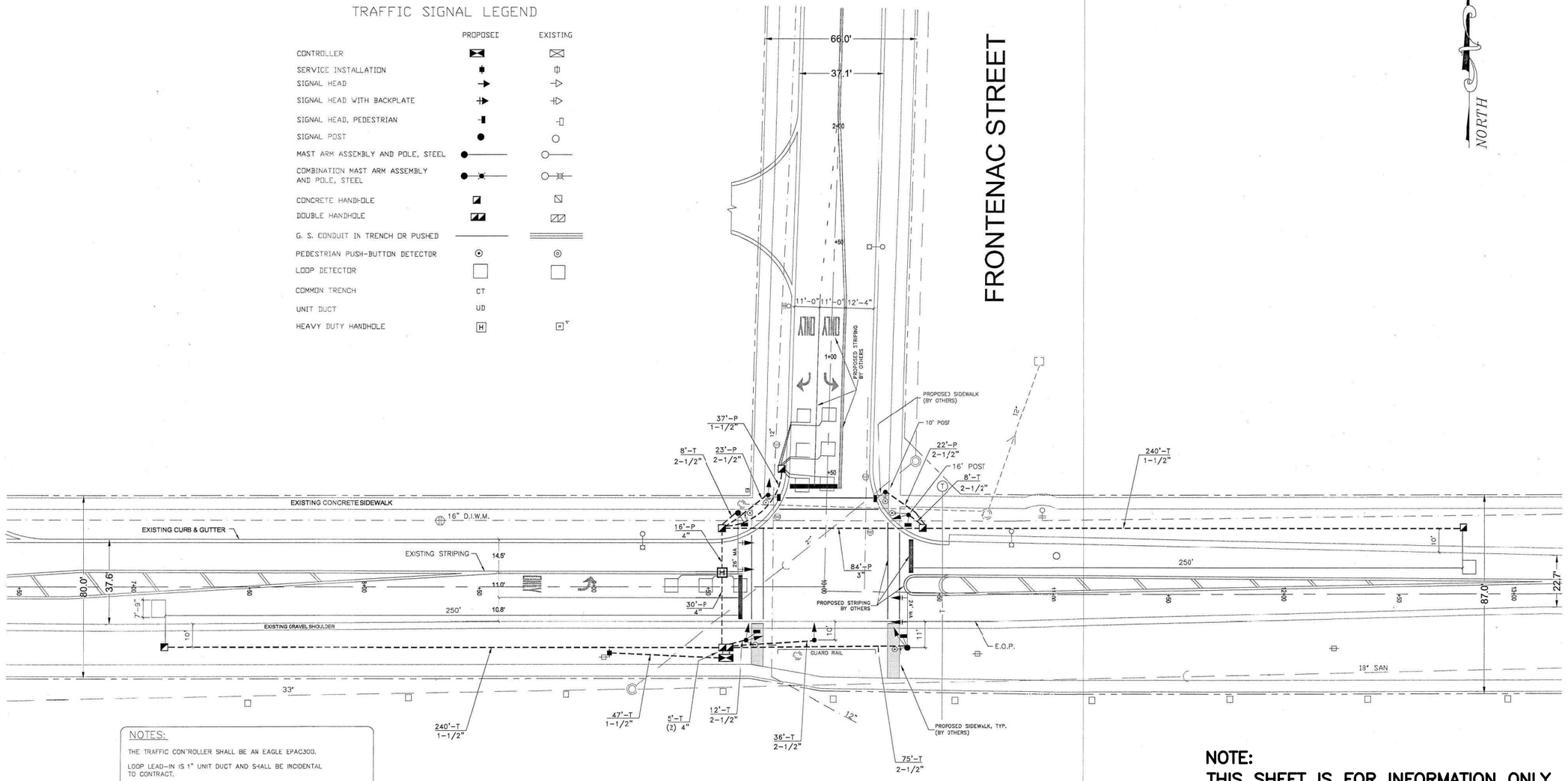
RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 07 OF 07 SHEETS | STA. 167+00 TO STA. 172+50

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	15
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	▣	▣
SERVICE INSTALLATION	■	▯
SIGNAL HEAD	→	→
SIGNAL HEAD WITH BACKPLATE	→	→
SIGNAL HEAD, PEDESTRIAN	■	▯
SIGNAL POST	●	○
MAST ARM ASSEMBLY AND POLE, STEEL	●——	○——
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL	●—✕	○—✕
CONCRETE HANDHOLE	◪	▧
DOUBLE HANDHOLE	◪◪	▨
G. S. CONDUIT IN TRENCH OR PUSHED	——	═══
PEDESTRIAN PUSH-BUTTON DETECTOR	⊙	◎
LOOP DETECTOR	□	□
COMMON TRENCH	CT	
UNIT DUCT	UD	
HEAVY DUTY HANDHOLE	H	H



FRONTENAC STREET

MONTGOMERY ROAD

NORTH

NOTES:

THE TRAFFIC CONTROLLER SHALL BE AN EAGLE EPAC300.

LOOP LEAD-IN IS 1" UNIT DUCT AND SHALL BE INCIDENTAL TO CONTRACT.

SIGNAL POSTS SHALL BE PLACED 4' FROM B.O.C., MAST ARM POLES SHALL BE PLACED 6' FROM B.O.C.

THE CONTRACTOR SHALL CONTACT CHRIS LIROT AT THE CITY OF AURORA, 844-3620, 72 HOURS PRIOR TO TURNING SIGNALS ON.

THE COMED MARKETING REPRESENTATIVE FOR THIS PROJECT IS DONNA SCHMIDT, 844-6232.

THE EXACT LOCATON OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNALS.

EXISTING STRIPING WILL BE MODIFIED BY OTHERS, AS SHOWN.

NOTE:
THIS SHEET IS FOR INFORMATION ONLY FOR DETECTOR LOOP REPLACEMENT.

REVISIONS	BY	DATE
H		
G		
F		
E		
D		
C		
B		
A		

TRAFFIC SIGNAL PLAN

MONTGOMERY ROAD AND FRONTENAC STREET

SCALE: 1" = 20'	DRAWN BY: CL	DESIGNED BY: CL	H:
DATE: FEB., 2001	CHECKED BY: CL	APPROVED BY: PJH	V:

TRAFFIC SIGNAL INSTALLATION

CITY OF AURORA, ILLINOIS
ENGINEERING DEPARTMENT

TOTAL SHEET: 8 | SHEET NUMBER: 2

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 211321-Details	DRAWN – MPL	REVISED –
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –

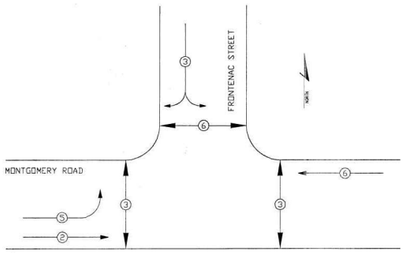
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MONTGOMERY RD. AND FRONTENAC ST. TRAFFIC SIGNAL PLAN
FOR INFORMATION ONLY

SCALE: N.T.S. | SHEET NO. 01 OF 02 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	16
		CONTRACT NO. 61J11		
		ILLINOIS	FED. AID PROJECT	

CONTROLLER SEQUENCE



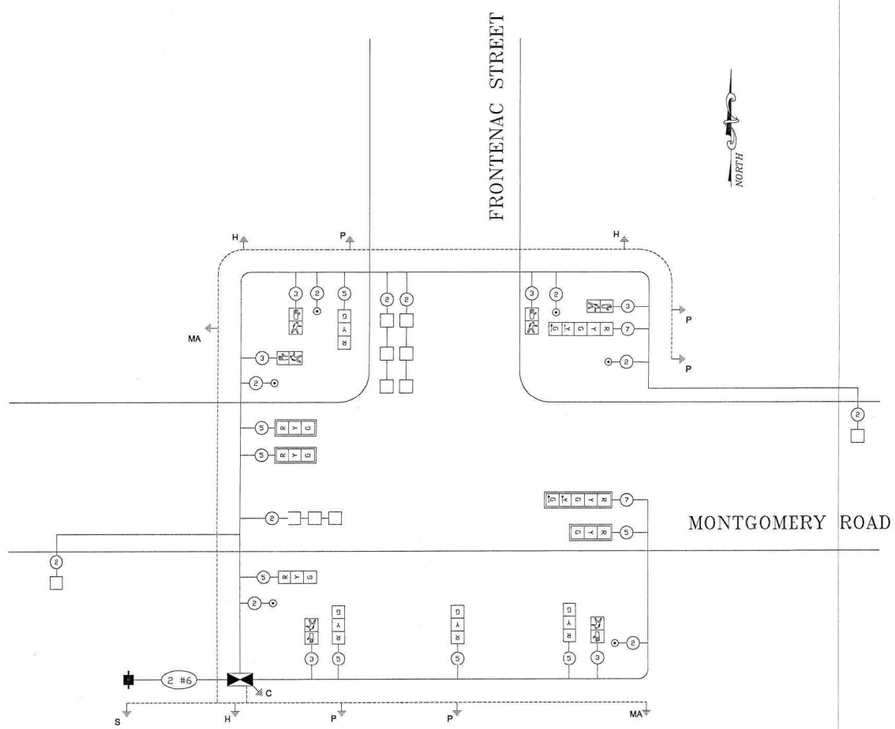
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

THE SIMULTANEOUS DISPLAY OF A YELLOW BALL AND YELLOW ARROW WILL NOT BE ALLOWED



CABLE PLAN

CABLE PLAN LEGEND

	PROPOSED	EXISTING
12" TRAFFIC SIGNAL SECTION	R	R
12" PEDESTRIAN SIGNAL SECTION		
CONTROLLER CABINET		
SERVICE INSTALLATION		
VEHICLE DETECTOR, INDUCTION LOOP		
PUSHBUTTON DETECTOR		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED	(2)	(2)
SIGNAL FACE WITH BACKPLATE	R Y G ← G	R Y G ← G

SUMMARY OF QUANTITIES

Description	UNITS	Quantity
Signal Head, 1-Face, 3-Section, Bracket Mounted	EACH	3
Signal Head, 2-Face, 3-Section, Bracket Mounted	EACH	1
Signal Head, 1-Face, 5-Section, Bracket Mounted	EACH	1
Signal Head, 1-Face, 3-Section, Mast Arm Mounted	EACH	3
Signal Head, 1-Face, 5-Section, Mast Arm Mounted	EACH	1
Traffic Signal Baciplate	EACH	4
Pedestrian Signal Head, 1-Face, Bracket Mounted	EACH	6
Traffic Signal Post, Weathering Steel Painted Brown, 10 Ft.	EACH	1
Traffic Signal Post, Weathering Steel Painted Brown, 14 Ft.	EACH	3
Traffic Signal Post, Weathering Steel Painted Brown, 16 Ft.	EACH	1
Mast Arm Assembly and Pole, WSPB, 24 Ft.	EACH	1
Mast Arm Assembly and Pole, WSPB, 26 Ft.	EACH	1
Full-Actuated Controller and Type IV Cabinet	EACH	1
Master Controller	EACH	1
Induction Loop Detector Amplifier	EACH	4
Detector Loop, Type I	FOOT	357
Pedestrian Push-Button	EACH	6
Galvanized Steel Conduit In Trench, 1-1/2"	FOOT	527
Galvanized Steel Conduit In Trench, 2-1/2"	FOOT	139
Galvanized Steel Conduit In Trench, 4"	FOOT	10
Trench and Backfill	FOOT	676
Galvanized Steel Conduit , Pushed, 1-1/2"	FOOT	37
Galvanized Steel Conduit , Pushed, 2-1/2"	FOOT	45
Galvanized Steel Conduit , Pushed, 3"	FOOT	84
Galvanized Steel Conduit , Pushed, 4"	FOOT	46
Handhole	EACH	5
Heavy-Duty Handhole	EACH	1
Double Handhole	EACH	1
Electric Cable in Conduit, Service, No. 6, 2/c	FOOT	54
Electric Cable in Conduit, No. 14, 2/c	FOOT	770
Electric Cable in Conduit, No. 14, 3/c	FOOT	770
Electric Cable in Conduit, No. 14, 5/c	FOOT	780
Electric Cable in Conduit, No. 14, 7/c	FOOT	360
Electric Cable in Conduit, Lead-In, No. 14 1 Pair	FOOT	880
Service Installation, Pole Mount	EACH	1
Concrete Foundation, Type A	FOOT	20
Concrete Foundation, Type D	FOOT	4
Concrete Foundation, Type E, 30-Inch Diameter	FOOT	18
Sign Panel - Type1	SQ FT	27

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE	X % OPERATION	
SIGNAL (RED)	10	135	0.50	675
SIGNAL (YELLOW)	10	135	0.25	338
SIGNAL (GREEN)	10	135	0.25	338
ARROW	4	135	0.10	54
PED. SIGNAL	6	90	1.00	540
CONTROLLER	1	25	1.00	25
ILLUM. SIGN				
FLASHER			0.50	
			TOTAL =	1970

ENERGY COST BILLED TO: CITY OF AURORA
44 E. DOWNER PLACE

ENERGY SUPPLY CONTACT: DONNA SCHMIDT
(630) 844-6232
COM ED

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
TYPE D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM POLE	20' + L - 2 =
TYPE E - MAST ARM POLE		SIGNAL POST	2	BRACKET MOUNTED	13
24"	10	CONTROLLER CABINET	1	PED. PUSHBUTTON	4
30"	15	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

SYSTEM GROUND NOTES:

GROUND RODS S (SERVICE), H (HANDHOLE), P (POST), MA (MAST ARM)

1. THE SYSTEM GROUND SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1/C SOLID COPPER AWG (GREEN).
2. THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION, BUT SHALL BE SEPARATED AT THE TRAFFIC SIGNAL CABINET.
3. SYSTEM GROUND WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

NOTE:
THIS SHEET IS FOR INFORMATION ONLY.

REVISIONS BY	DATE
H	
G	
F	
E	
D	
C	
B	
A	

CABLE PLAN
MONTGOMERY ROAD & FRONTENAC STREET
NO SCALE | DRAWN BY: CL | DESIGNED BY: CL | H:
DATE: FEB. 2001 | CHECKED BY: CL | APPROVED BY: PJH | V:
TRAFFIC SIGNAL INSTALLATION
CITY OF AURORA, ILLINOIS
ENGINEERING DEPARTMENT
TOTAL SHEET 8 | SHEET NUMBER 3

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

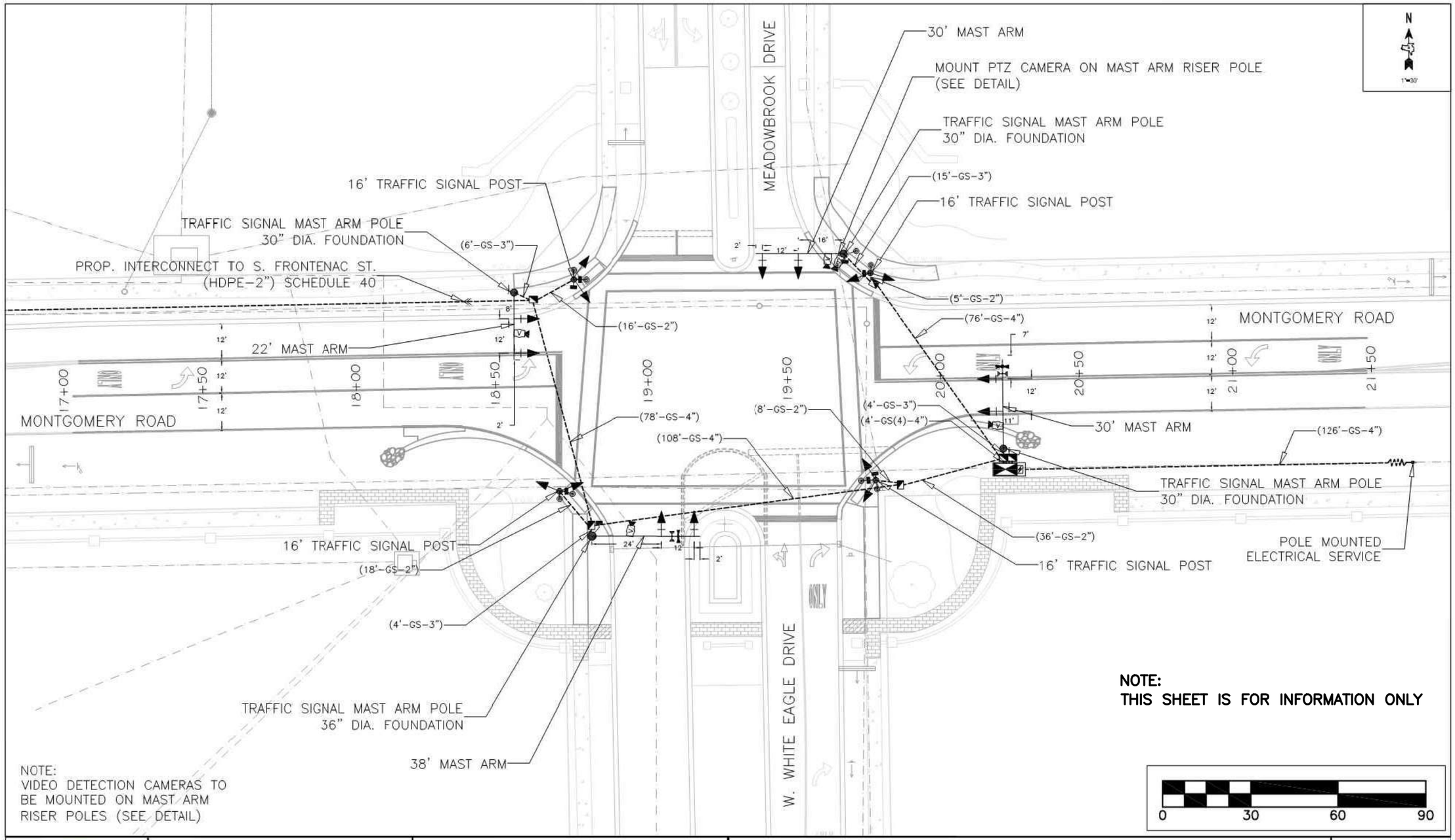
USER NAME = MLEWIS	DESIGNED - MPL	REVISED -
FILE NAME = 211321-Details	DRAWN - MPL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -
PLOT DATE = 10/24/2022	DATE - 10/24/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MONTGOMERY RD. AND FRONTENAC ST. CABLE PLAN
FOR INFORMATION ONLY

SCALE: N.T.S. | SHEET NO. 02 OF 02 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	17
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



NOTE:
THIS SHEET IS FOR INFORMATION ONLY

CITY OF AURORA ENGINEERING DIVISION 77 S. BROADWAY	REVISIONS:			PROJECT: MONTGOMERY - MEADOWBROOK - W. WHITE EAGLE TRAFFIC SIGNAL
	DESIGNED BY: GIL	CHECKED BY: RG	SCALE: 1"=30'	SHEET TITLE: TRAFFIC SIGNAL INSTALLATION PLAN
	DRAWN BY: GIL	APPROVED BY: RG	DATE: 4/2019	

SHEET NUMBER: 5
TOTAL SHEETS: 40

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 211321-Details	DRAWN – MPL	REVISED –
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –
PLOT DATE = 10/24/2022	DATE – 10/24/2022	REVISED –

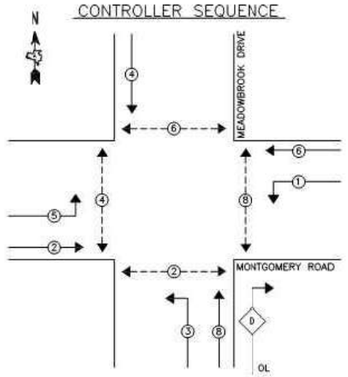
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MONTGOMERY RD. AND MEADOWBROOK DR. / W. WHITE EAGLE DR.
TRAFFIC SIGNAL PLAN
FOR INFORMATION ONLY

SCALE: N.T.S. | SHEET NO. 01 OF 02 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	18
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

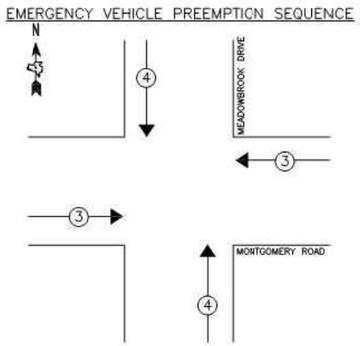
LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP (OL)
- * NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		OVERLAP LETTER
D	=	8	+	1

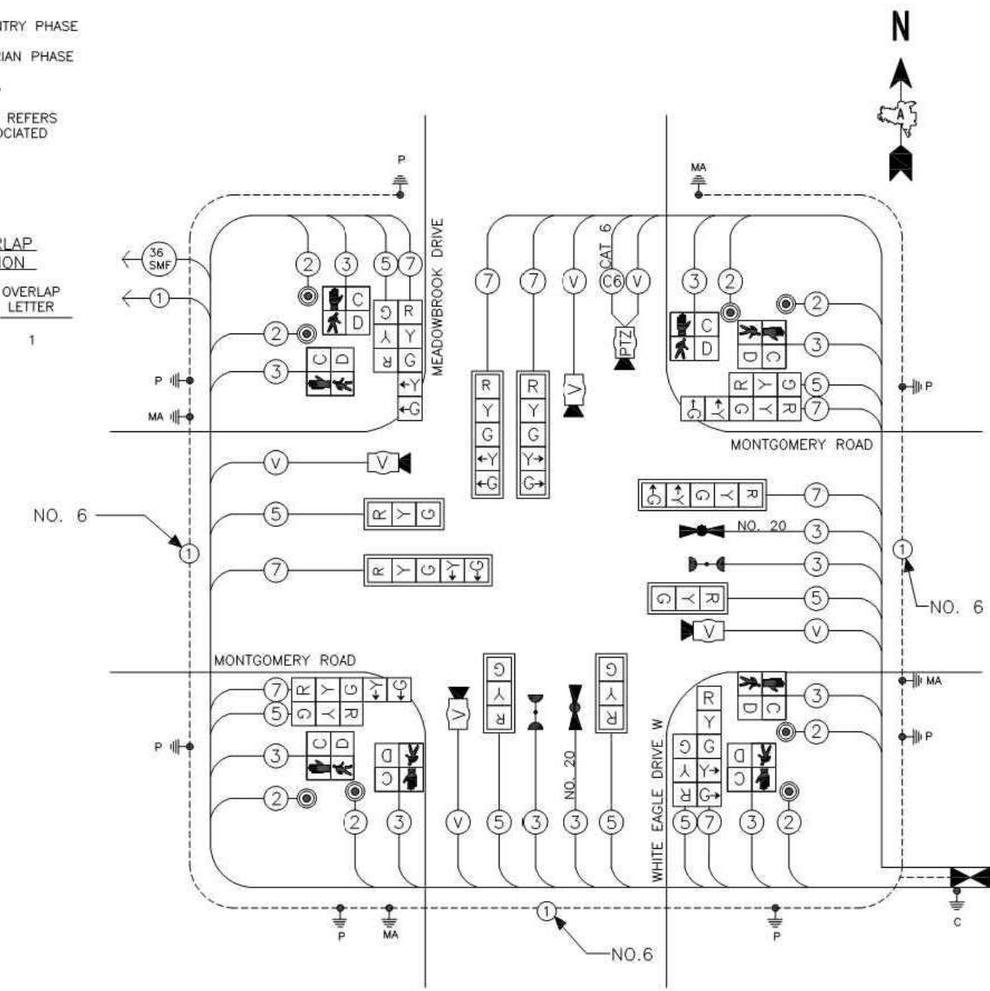
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	→ ←	↑ ↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	16		12	0.10	19
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
VIDEO SYSTEM	1		15	1.00	15
ENERGY COSTS TO: CITY OF AURORA 44 E. DOWNER PLACE AURORA, ILLINOIS 60507-2067				TOTAL =	655

ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON



NOTE:
GROUNDING AND BONDING LABOR, EQUIPMENT, AND MATERIAL COSTS ARE INCLUDED IN THE CONTRACT CABLE, FOUNDATION AND HANDHOLE PAY ITEMS PER INCLUDED PLAN STANDARD DETAILS TS-05 AND 873001-02.

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	209
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	262
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1387
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1443
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1550
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1431
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	154.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTER, NO. 6 1C	FOOT	571
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.5
SIGNAL HEAD, LED, 1 FACE, 3 SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3 SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5 SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5 SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRAIN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
LIGHT DETECTOR (INCLUDE CONFIRMATION BEACON)	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	8
CAT. 6 ETHERNET CABLE	FOOT	158
UNINTERUPTABLE POWER SUPPLY, SPECIAL	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	317
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
VIDEO DETECTION SYSTEM	EACH	1

NOTE:
THIS SHEET IS FOR INFORMATION ONLY.

CITY OF AURORA
ENGINEERING DIVISION
77 S. BROADWAY

REVISIONS:

DESIGNED BY: GIL	CHECKED BY: RG	SCALE:
DRAWN BY: GIL	APPROVED BY: RG	DATE: 4/2019

PROJECT: MONTGOMERY - MEADOWBROOK - W. WHITE EAGLE TRAFFIC SIGNAL

SHEET TITLE: SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SHEET NUMBER: 6

TOTAL SHEETS: 40

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

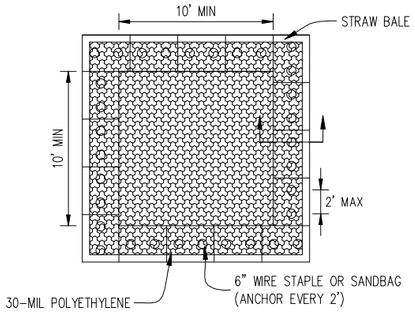
USER NAME = MLEWIS	DESIGNED - MPL	REVISED -	
FILE NAME = 211321-Details	DRAWN - MPL	REVISED -	
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -	
PLOT DATE = 10/24/2022	DATE - 10/24/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

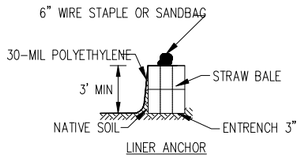
MONTGOMERY RD. AND MEADOWBROOK DR. / W. WHITE EAGLE DR.
CABLE PLAN
FOR INFORMATION ONLY

SCALE: N.T.S. | SHEET NO. 02 OF 02 SHEETS | STA. | TO STA.

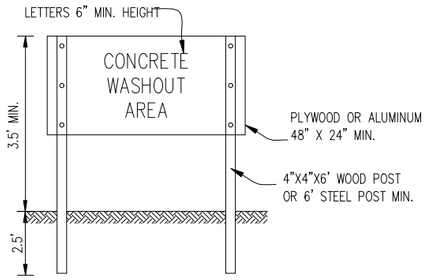
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	19
		CONTRACT NO. 61J11		
		ILLINOIS	FED. AID PROJECT	



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



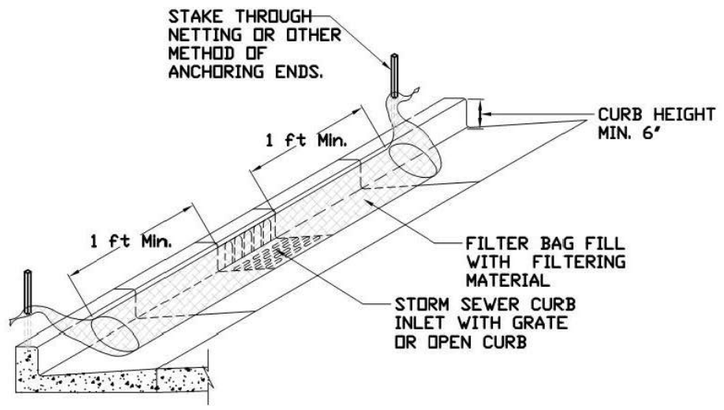
SIGN DETAIL

NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILIITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.

Sheet 1 of 1 Sheets | District One | File No. IUM-559S | TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE | Date | Designed | Drawn B. JOHNSON 6/08 | Checked | Approved

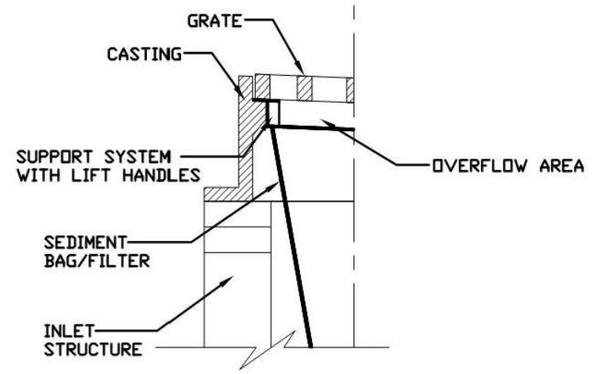
INLET PROTECTION - PAVED AREAS CURB PROTECTION

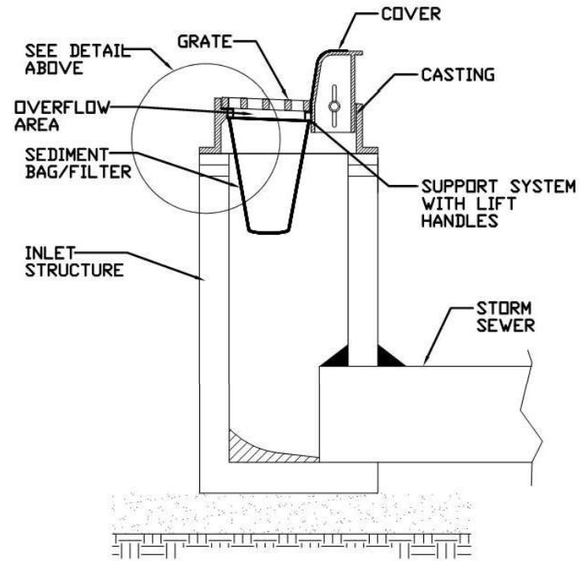


REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561C
SHEET 1 OF 1
DATE 01-11-11

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION





REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 10/24/2022 8:51 AM
FILE NAME: 211321-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

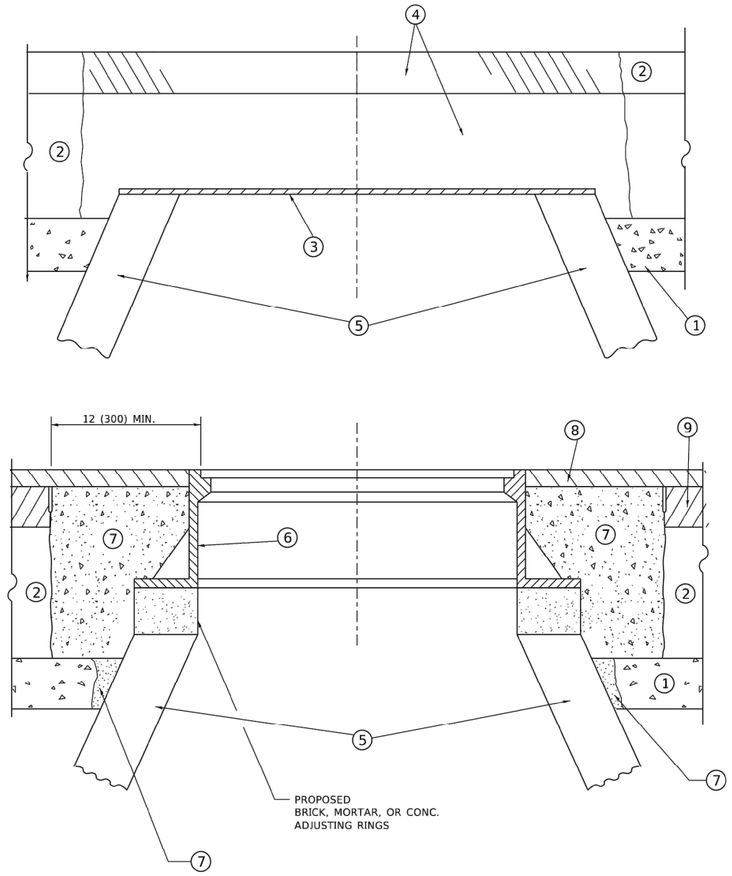
USER NAME = MLEWIS	DESIGNED - MPL	REVISED -	
FILE NAME = 211321-Details	DRAWN - MPL	REVISED -	
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -	
PLOT DATE = 10/24/2022	DATE - 10/24/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	20
		CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS*PP-1 CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PEN TABLE: ----
MODEL: Default
FILE NAME: W:\dststd\22x34\bd08.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. BORO 03-09-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11	
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22	

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

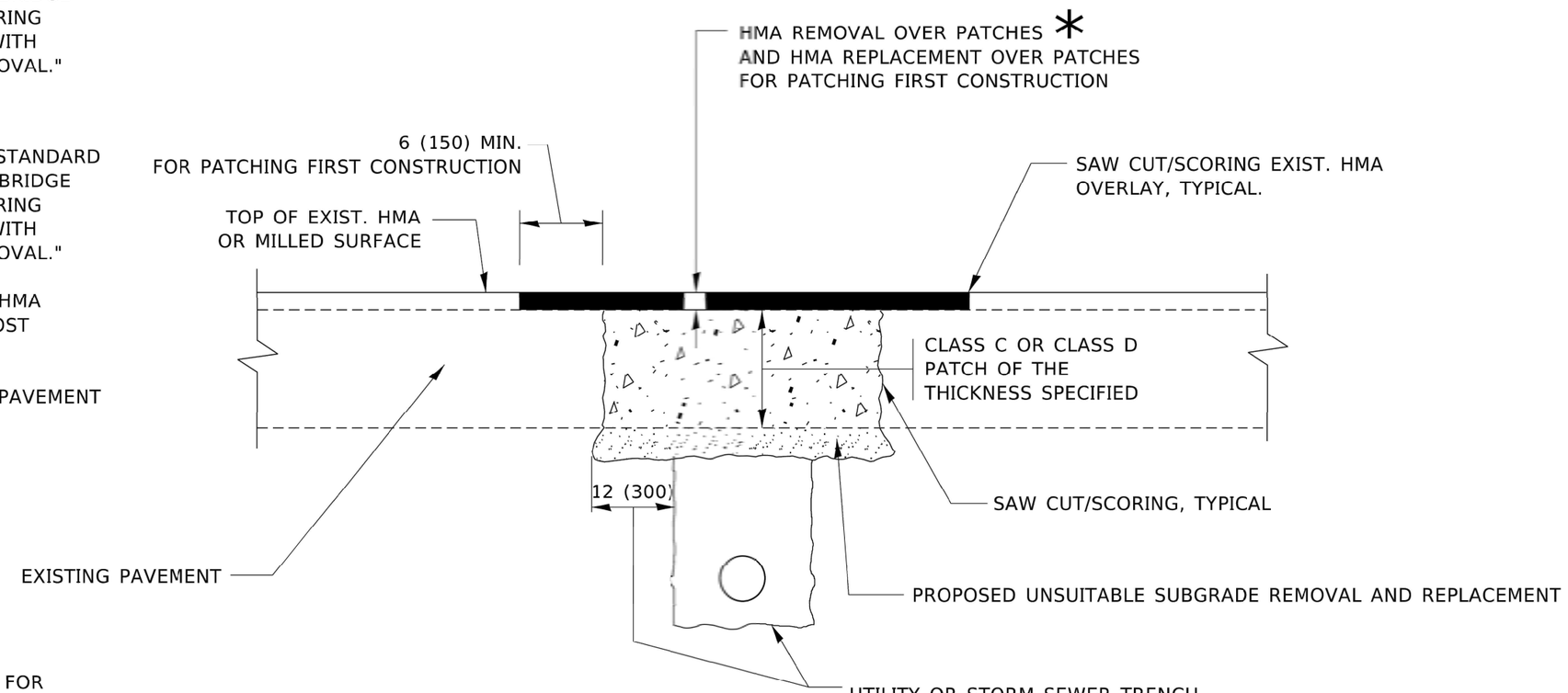
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	21
	BD600-03 (BD-08)	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

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.

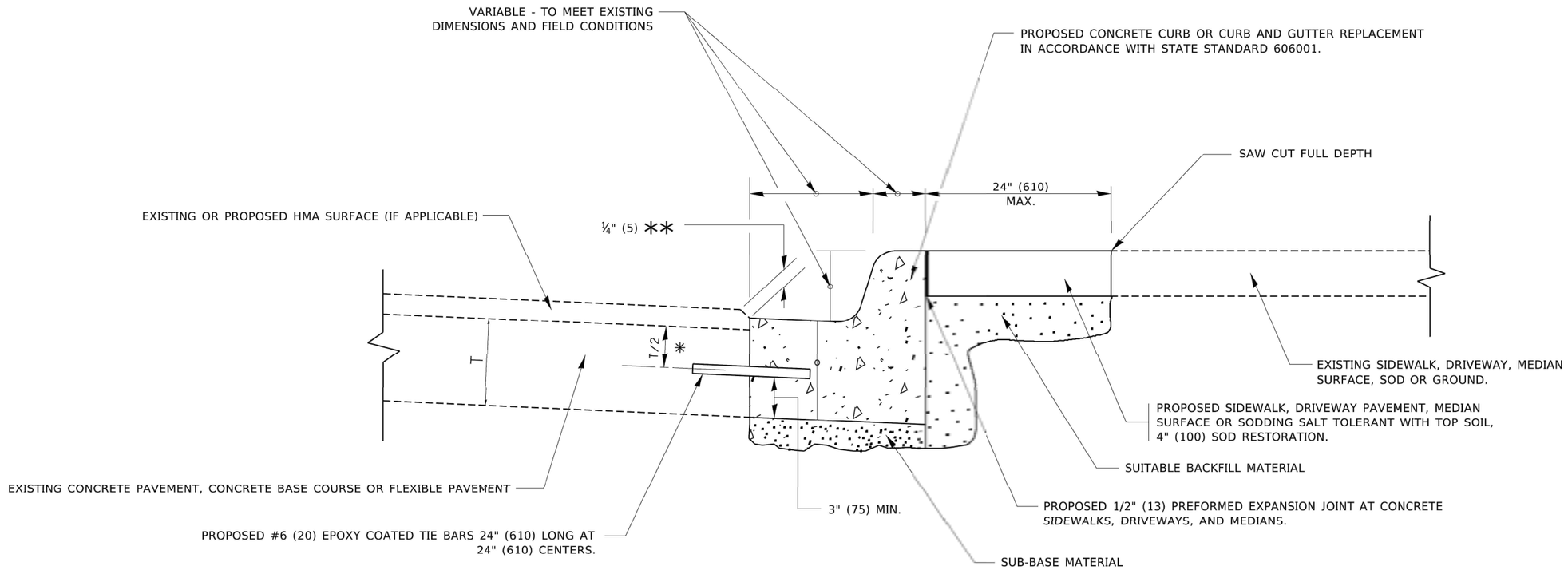
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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.

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PENTABLE: default
FILE NAME: W:\dgn\std\22x34\bd22.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-04-07			3819	22-00346-00-RS	DUPAGE	30	22
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08				BD400-04 (BD-22)	CONTRACT NO. 61J11		
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			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.

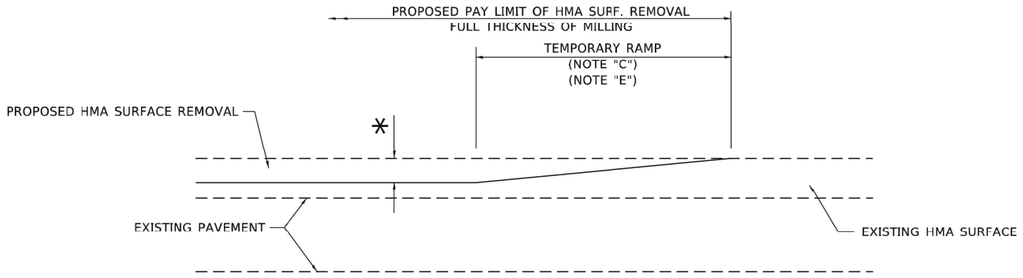
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 21321-Details
PLOT DRIVER: None
PEN TABLE: default
FILE NAME: D:\plan2com.dot.illinois.gov-PWDOT\Documents\DOT Offices\District 1\Projects\0kt5o0z2>34\CADData\CADSheets\bd24.dgn

USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
	DRAWN -	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09			
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19			

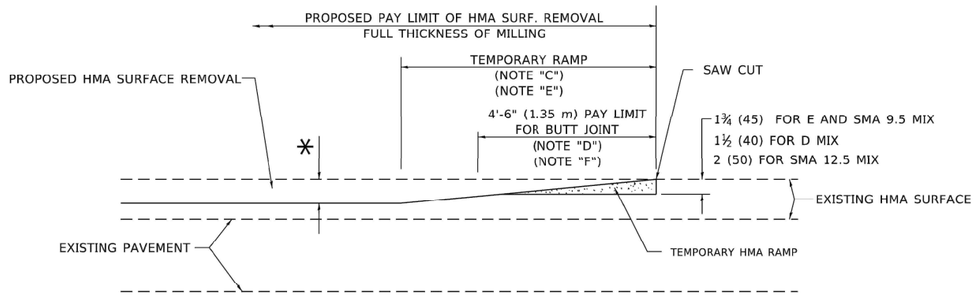
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	23
	BD600-06 (BD-24)	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

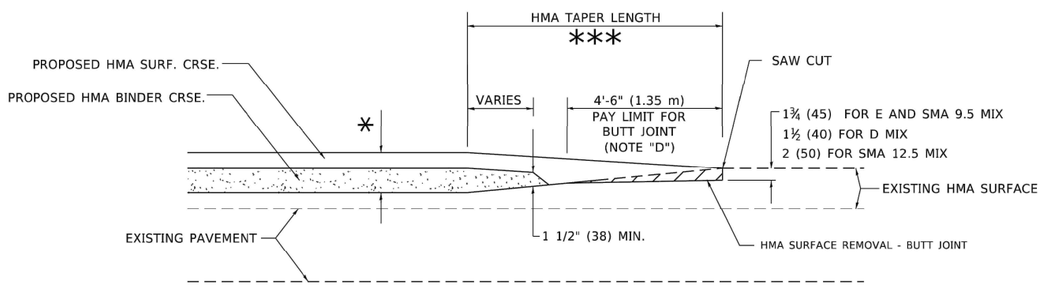


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

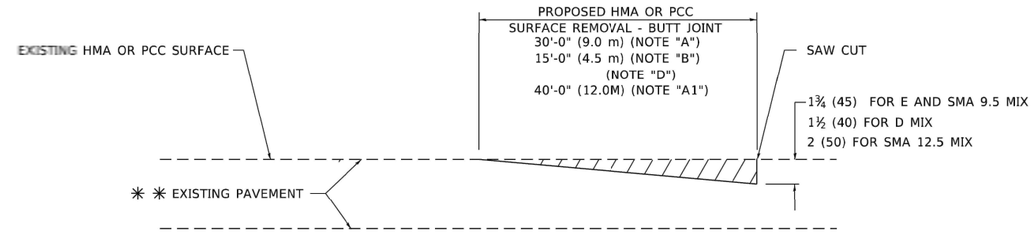
OPTION 2

TYPICAL TEMPORARY RAMP

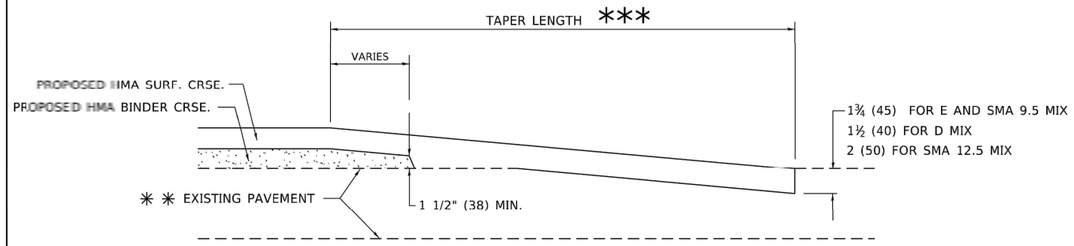


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. 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".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PENTABLE: default
FILE NAME: W:\details\22x34\bd22x34bd12.dgn

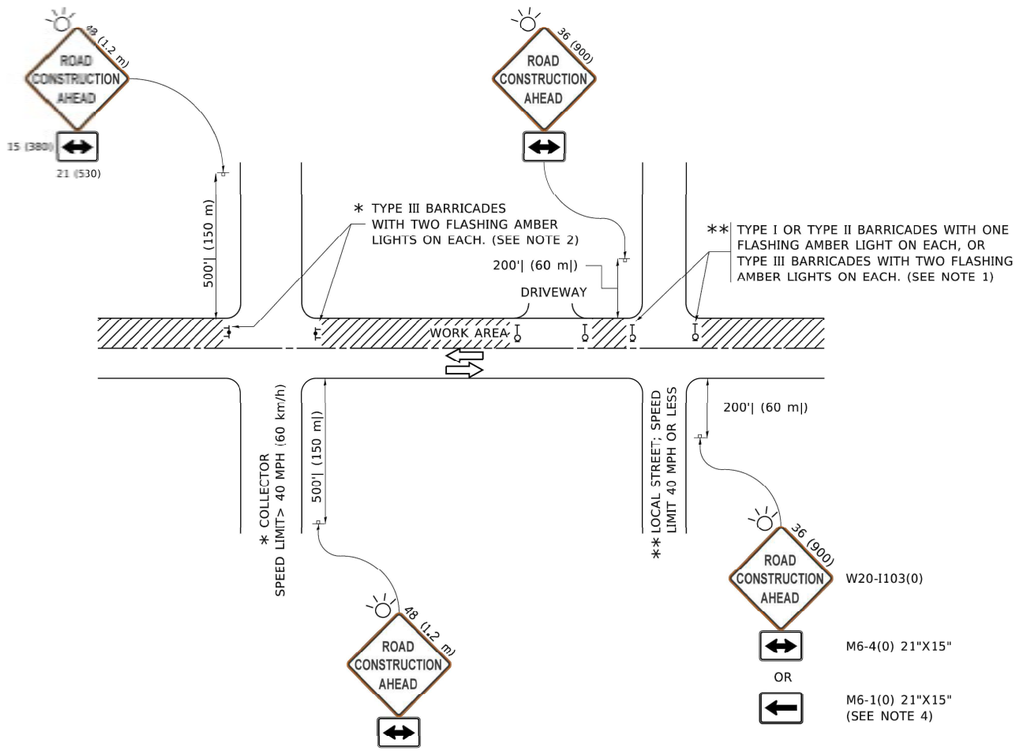
USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	24
	BD400-05 BD-32	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



NOTES:

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. 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.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PEN TABLE: ____
FILE NAME: pw:\\IL084-EBIDUNTEC.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\D122x34\CADData\CADSheets\tc10.dgn

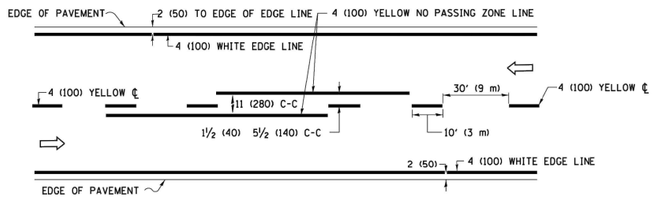
USER NAME = footemj	DESIGNED - I.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

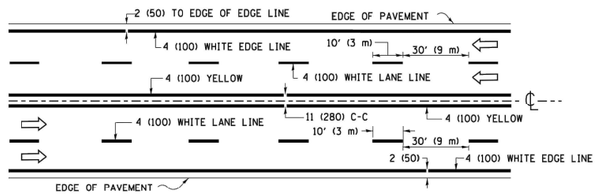
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

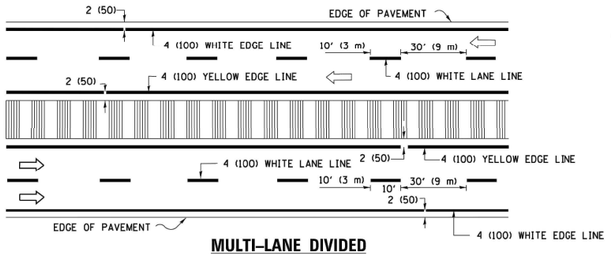
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	25
	TC-10	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



2–LANE ROADWAY

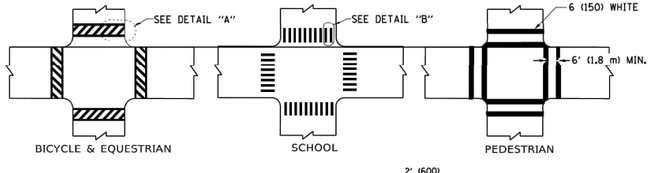


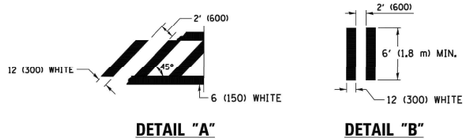
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

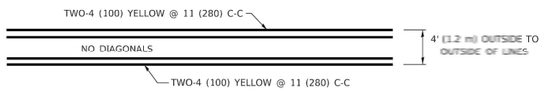




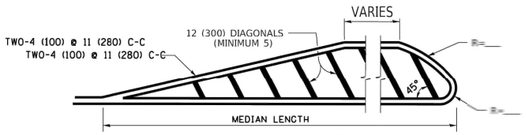
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



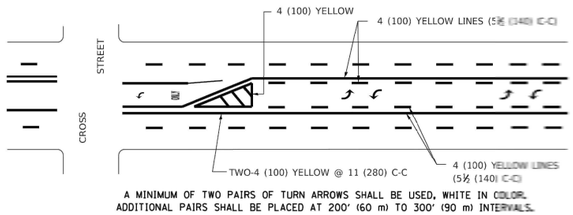
4' (1.2 m) WIDE MEDIANS ONLY



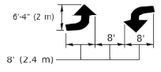
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

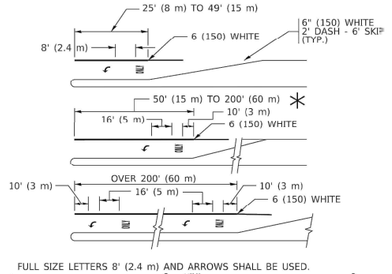


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

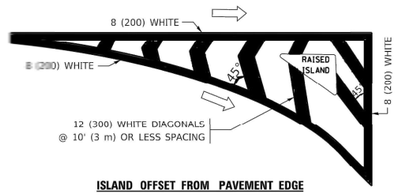


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

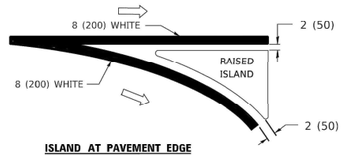
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

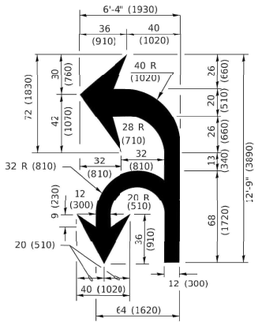


ISLAND OFFSET FROM PAVEMENT EDGE

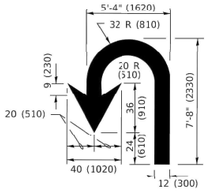


ISLAND AT PAVEMENT EDGE

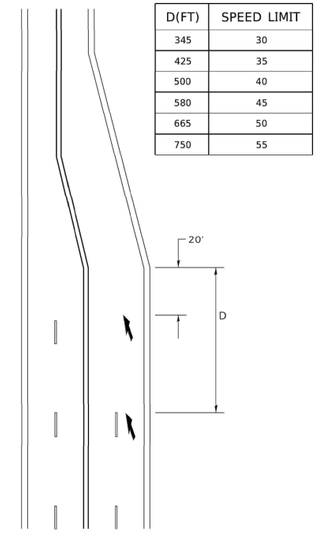
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	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 MEDIANS IN YELLOW
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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 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)	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: 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 (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PENTABLE: Default
FILE NAME: pw:\\IL084-EBIDNTFS.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\5222x34\CADData\CADSheets\tc13.dgn

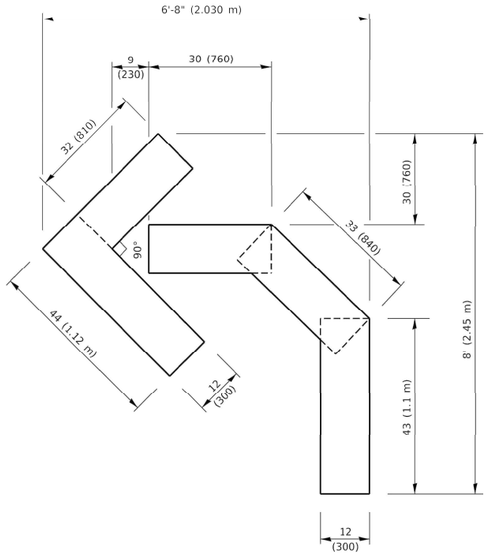
USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

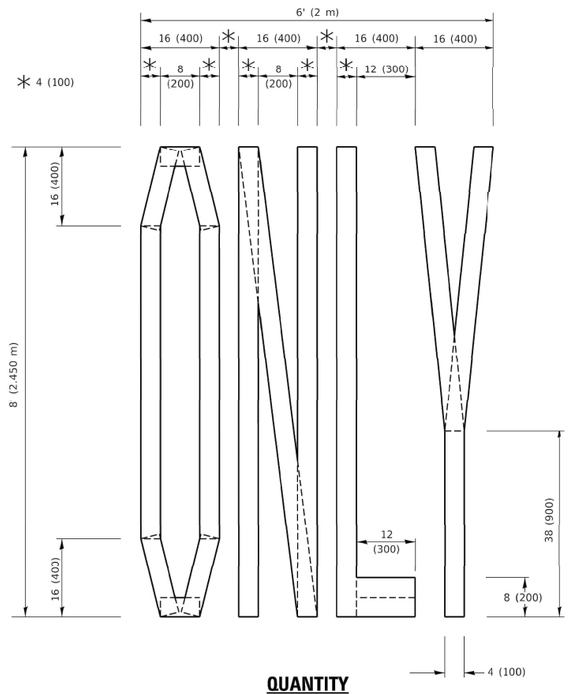
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	26
	TC-13	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



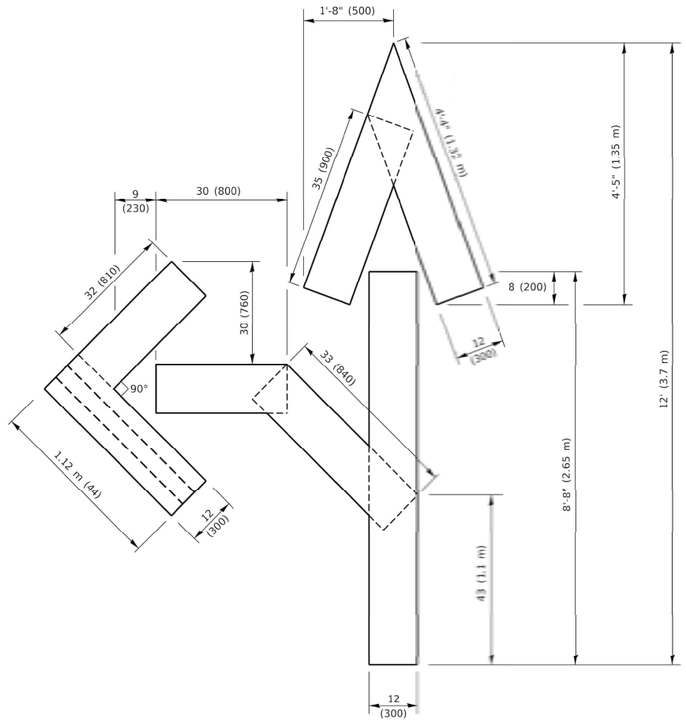
QUANTITY

4 (100) LINE – 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

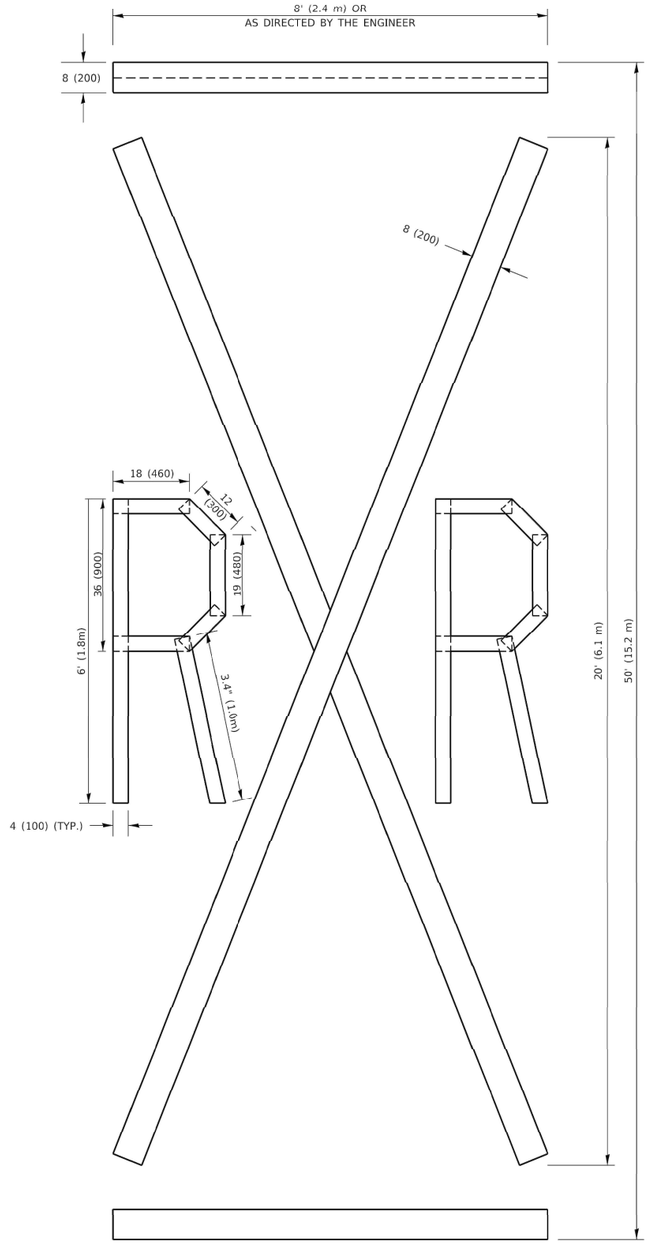


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PENTABLE: ----
FILE NAME: pw:\\IL084BIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Office\eastDistrict 1\Projects\D1ss\s272x234\CADData\CADSheets\tc16.dgn

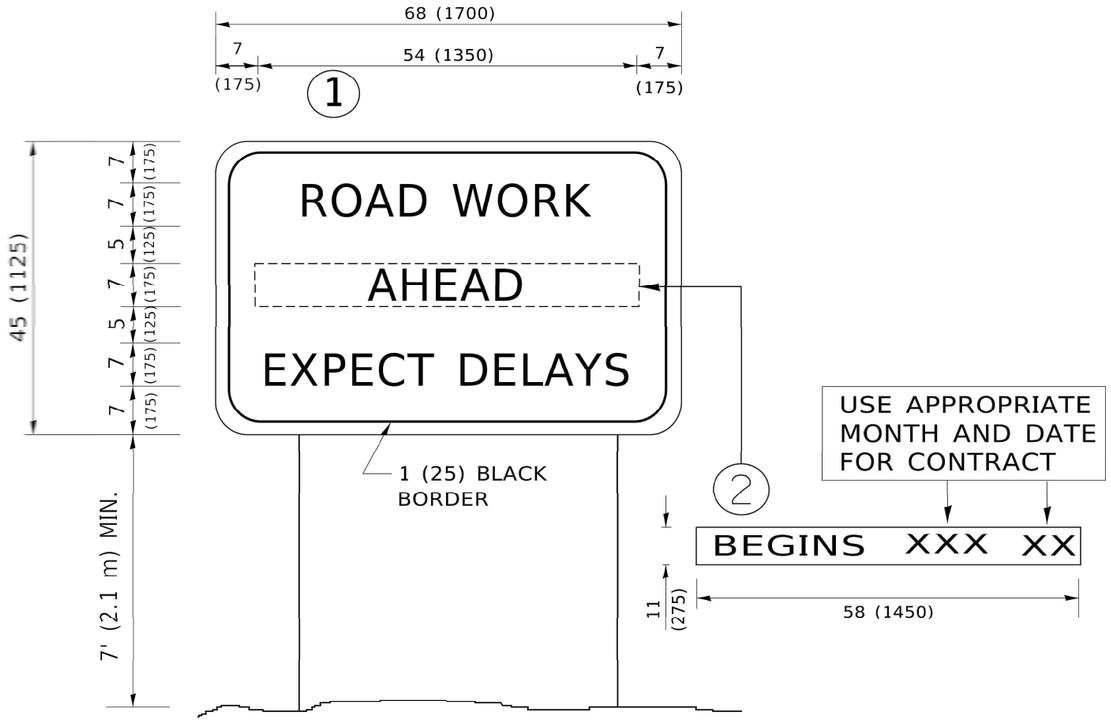
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	27
	TC-16	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PEN TABLE: _____
FILE NAME: pw:\\IL084EBDINTE6.illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\Std\SD22x24\CADData\CADsheets\tc22.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	28
	TC-22	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

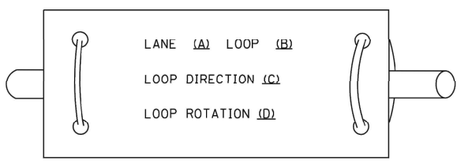
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

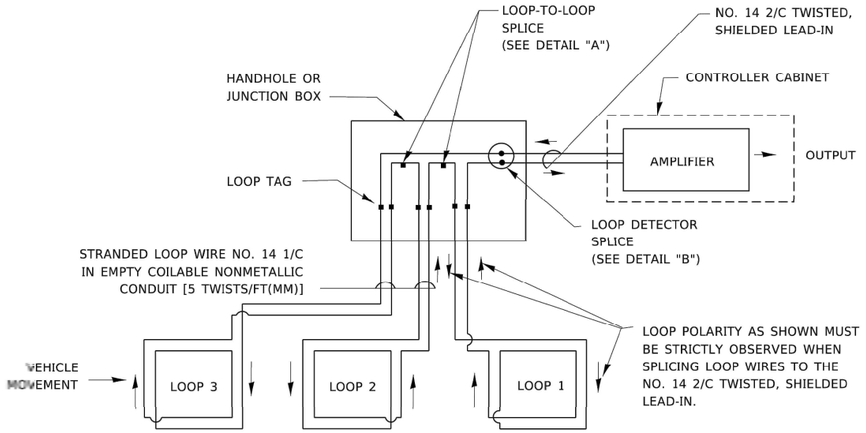


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

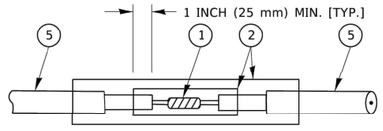
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

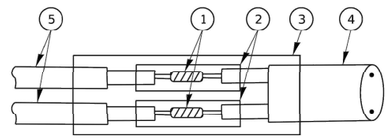


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
  SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

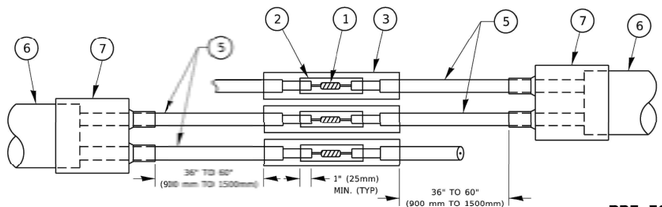


DETAIL "A"
LOOP-TO-LOOP SPLICE



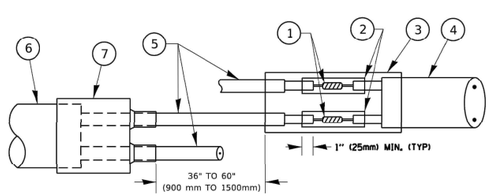
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PEN TABLE: ____
FILE NAME: pw:\\IDOTDISTRICT1.illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\DistStd\22x34\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

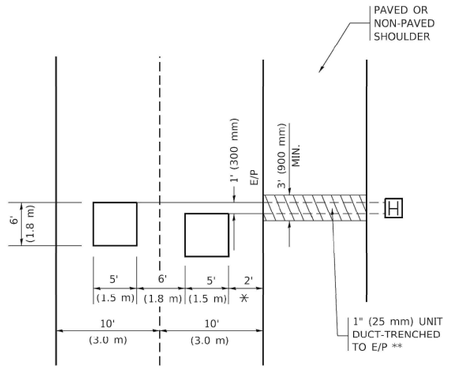
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	29
	TS-05	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS

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



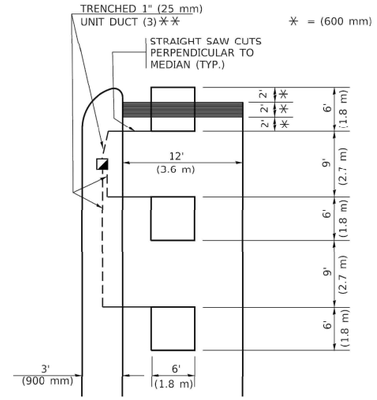
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



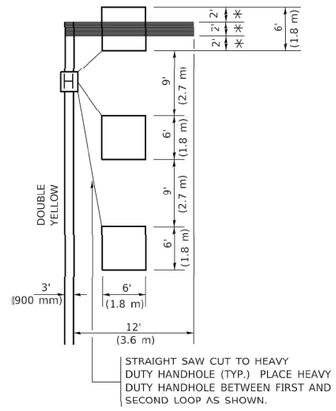
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



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

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. 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.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

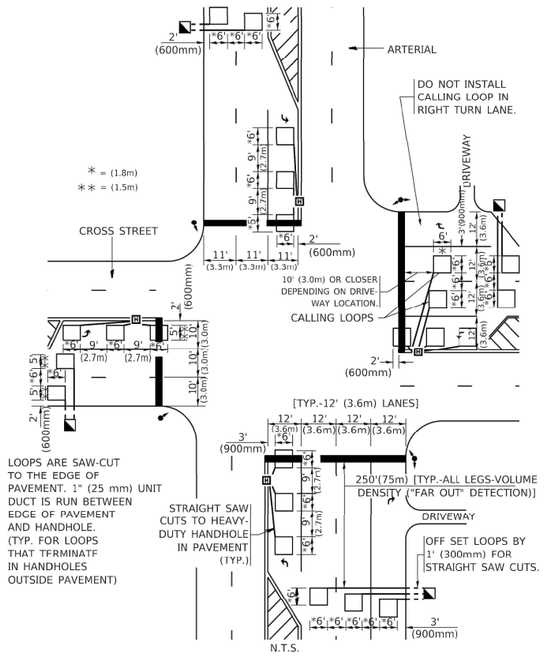
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

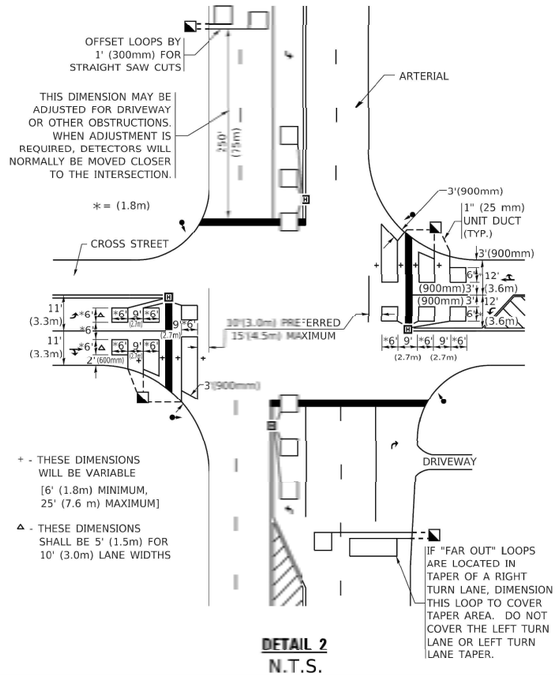
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3819	22-00346-00-RS	DUPAGE	30	30
	TS-07	CONTRACT NO. 61J11		
	ILLINOIS FED. AID PROJECT			

DATE PLOTTED: 10/24/2022 8:52 AM
FILE NAME: 211321-Details
PLOT DRIVER: None
PENTABLE: Default
FILE NAME: pw:\\IDOTDistrictOneDocuments\IDOT Offices\District 1\Projects\D1ASD22x241\CADData\CADSheets\ts07.dgn