09-20-2024 LETTING ITEM 083

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	1
	ILLINOIS	CONTRACT NO. 66E54		

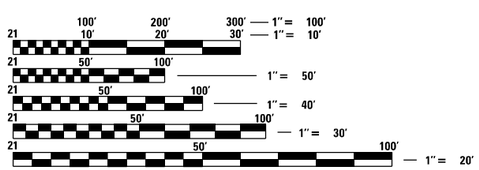
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS

FAP ROUTE 673 (IL 116) & FAU 6321 (OLD ROUTE 66)
SECTION (112X) RS–4, (11X) RS–2 & (12) SFY
PROJECT NHPP /HSIP /STBG ACIB (416)
RESURFACING & INTERSECTION IMPROVEMENTS
LIVINGSTON COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIAMETER
602301-04	INLET-TYPE A
602306-03	INLET-TYPE B
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE, TYPE 3
604051-04	FRAME AND GRATE, TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701421-08	LANE CLOSURE, MULTILANE DAY OPERATIONS ONLY, FOR SPEEDS 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, SPEEDS 45 MPH TO 55 MPH
701601-09	URBAN LANE CLOSURE MULTILANE, 1W 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS



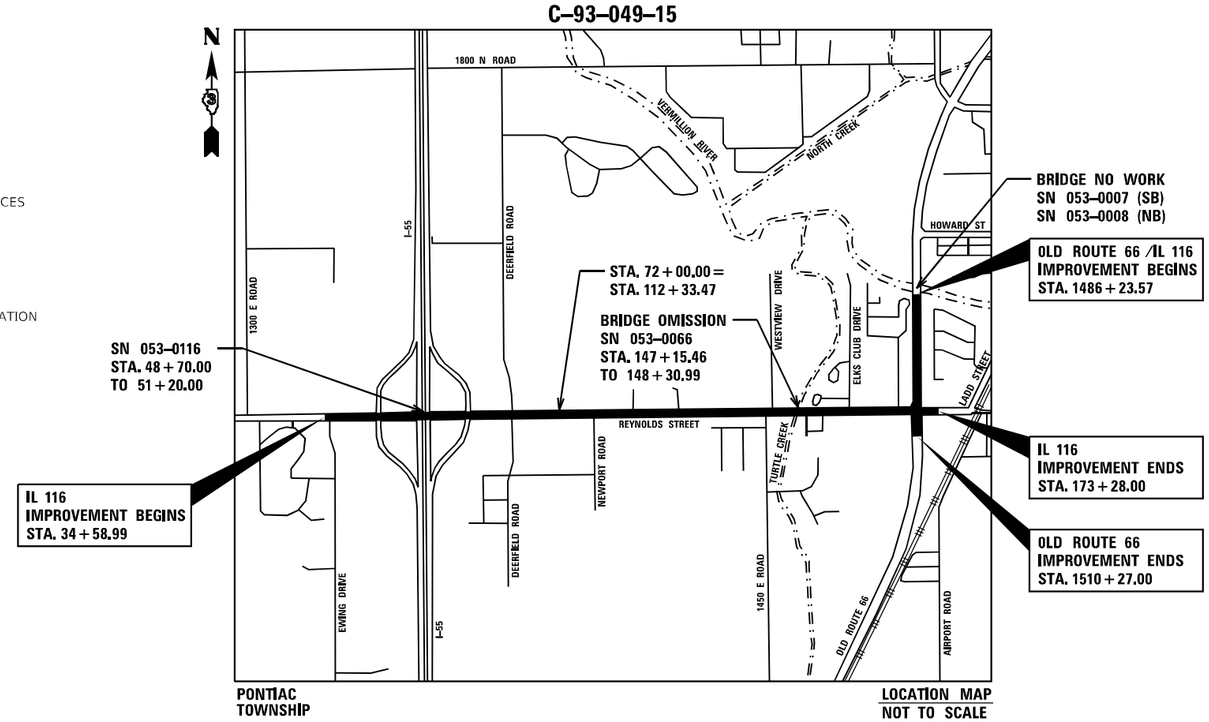
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL, P.E.
UNIT CHIEF: STEPHENIE CARMIN
DISTRICT 3 NO. (815) 434–6131

CONTRACT NO. 66E54

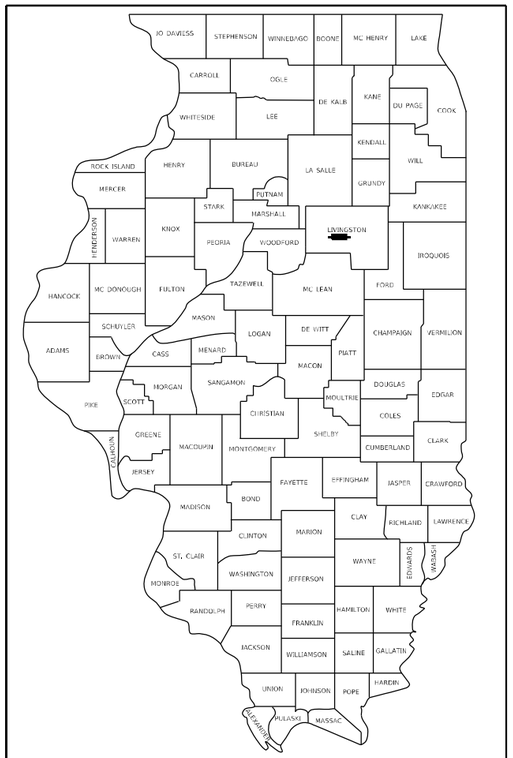
C–93–049–15



LOCATION MAP
NOT TO SCALE

IL 116 GROSS LENGTH = NET LENGTH = 9,835.53 FT. = 1.863 MILES
OR 66 GROSS LENGTH = NET LENGTH = 2,403.43 FT. = 0.455 MILES

D–93–033–15



LOCATION OF SECTION INDICATED THUS: –

IL 116 – OTHER ARTERIAL
2021 ADT = 12,900
P.V. = 96.9% S.U. = 1.9% M.U. = 1.2%

OR 66 – MAJOR COLLECTOR
2021 ADT = 3,300
P.V. = N/A S.U. = N/A M.U. = N/A

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 7, 20 24
Trisha Thompson
REGIONAL ENGINEER

August 16, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

August 16, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

V3 COMPANIES LTD.
JACOB W. BAUER
062-064761
DATE: 07-02-2024
SIGNATURE AND SEAL APPLY TO SHEETS: 1-20, 24-34, 30-33, 37-40, 44, 67-68, 73-75, 79, 106-107
EXPIRES: 11-30-2025

HUTCHISON ENGINEERING INC.
LUKE D. ZELLER
062-064201
DATE: 07-02-2024
SIGNATURE AND SEAL APPLY TO SHEETS: 21-23, 35-36, 38, 42-43, 45-60, 70-73, 77-78, 80-84, 89-98, 101-106
EXPIRES: 11-30-2025

ABNA CORPORATION
THOMAS P. PAOLICCHI
062-0056747
DATE: 07-02-2024
SIGNATURE AND SEAL APPLY TO SHEETS: 85-88, 99-100
EXPIRES: 11-30-2025

REV. 8/12/24

INDEX OF SHEETS

GENERAL NOTES

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

THE ENGINEER WILL CONFIRM PAVEMENT PATCHING REPAIR. ANTICIPATED LOCATIONS LISTED ON THE SCHEDULE OF QUANTITIES.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
HMA RESURFACING	112 LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS, FLGWYS	0.0003 TONS / SQ YD

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

GENERAL NOTES (CONTINUED)

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

ILLINOIS-AMERICAN WATER
CAMPUS COMMUNICATION
CIRBN
COMED
FRONTIER
LEVEL 3
MEDIACOM
METRO COMMUNICATION
NICOR
PONTIAC, CITY OF
STRATUS

COMMITMENTS

NONE

HOT-MIX ASPHALT REQUIREMENTS

LOCATIONS	IL 116 WEST OF STA. 72+00 OLD ROUTE 66	IL 116 EAST OF STA. 72+00	ENTIRE PROJECT	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS
MIXTURE USE	HMA POLYMER BINDER	HMA POLYMER BINDER	HMA POLYMER SURFACE	2.5" HMA POLYMER SHOULDERS	8" HMA SHOULDERS	9" HMA BASE COURSE (BOTTOM LIFTS)	9" HMA BASE COURSE (TOP LIFT)	CLASS D PATCHES
BINDER GRADE (PG)	SBS PG 76-28	SBS PG 70-28	SBS 70-28	SBS 70-28	PG 64-22	PG 64-22	SBS 70-28	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 4.75	IL 9.5	IL 9.5	IL 9.5	IL 19.0	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE	N/A	N/A	MIXTURE D	MIXTURE D	N/A	N/A	MIXTURE D	N/A
MIXTURE WEIGHT	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM	QCP	QCP	QCP	QCP	QCP	QCP	QCP	QCQA
SUBLOT SIZE	1000 TONS	1000 TONS	1000 TONS	1000 TONS	1000 TONS	1000 TONS	1000 TONS	NA
DENSITY TEST METHOD	CORES	CORES	CORES	CORES	CORES	CORES	CORES	CORES
MATERIAL TRANSFER DEVICE (REQUIRED)	YES	YES	YES	YES	YES	YES	YES	NO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	20200100	EARTH EXCAVATION	CU YD	247				142	105		
	20400800	FURNISHED EXCAVATION	CU YD	1,292					1,292		
	20800150	TRENCH BACKFILL	CU YD	13				2	11		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2		2					
	21400100	GRADING AND SHAPING DITCHES	FOOT	150				150			
	25000210	SEEDING, CLASS 2A	ACRE	1		0.25		0.45	0.30		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	76		7		38	31		
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	76		7		38	31		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	76		7		38	31		
	25100630	EROSION CONTROL BLANKET	SQ YD	3,640		2		1,843	1,795		
	25200100	SODDING	SQ YD	625		80		206	339		
	25200200	SUPPLEMENTAL WATERING	UNIT	27.2		1.2		10	16		
	28000400	PERIMETER EROSION BARRIER	FOOT	73					73		
	28000500	INLET AND PIPE PROTECTION	EACH	7				4	3		
	28100105	STONE RIPRAP, CLASS A3	SQ YD	3		3					

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7325 Janes Avenue
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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 14 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	3

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

REV. 8/19/24 REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	28100107	STONE RIPRAP, CLASS A4	SQ YD	4		4					
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,369				684	685		
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	185				75	110		
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	15		15					
	35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	1,098				543	555		
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	49				49			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2,620				1,297	1,323		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	65,118	4,545	48,759		8,091.5	3,722.5		
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	52,834	3,471	40,102		6,267.5	2,993.5		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	284	5	249		30			
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2,722	290	1,738		355	339		
	40603208	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	3,033		2,521		512			
	40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	7,113	434	5,126		1,044.5	508.5		
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,226		350		778	2,098		
*	42400800	DETECTABLE WARNINGS	SQ FT	155		75		40	40		

*= SPECIALTY ITEM

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7325 Janes Avenue
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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 14 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	4

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

REV. 8/19/24 REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	44000100	PAVEMENT REMOVAL	SQ YD	1,000				463	537		
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	52,548	6,733	34,564		4,042	7,209		
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	41,729		35,642		6,087			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,587		400		1,654	1,533		
	44000600	SIDEWALK REMOVAL	SQ FT	510		211		294	5		
	44003100	MEDIAN REMOVAL	SQ FT	5,974				2,519	3,455		
	44004250	PAVED SHOULDER REMOVAL	SQ YD	240				136	104		
	44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	10					10		
	44200990	CLASS B PATCHES, TYPE I, 12 INCH	SQ YD	5	2.5	2.5					
	44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	6		6					
	44200998	CLASS B PATCHES, TYPE III, 12 INCH	SQ YD	4,848	512	4,336					
	44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SQ YD	475	67	408					
	44201003	CLASS B PATCHES, TYPE I, 13 INCH	SQ YD	5	2.5	2.5					
	44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	15	7.5	7.5					
	44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	928		640		288			

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					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	327		187		67	73		
	44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	4				4			
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	15	7.5	7.5					
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	25	12.5	12.5					
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	30	15	15					
	44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	4		4					
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	24	6	18					
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	25	12.5	12.5					
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	30	15	15					
	44213208	TIE BARS 1 1/4"	EACH	460	50	340			70		
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	175				120	55		
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	472	46	380		22	24		
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,062	220	1,739		47	56		
	50105220	PIPE CULVERT REMOVAL	FOOT	43				16	27		
	54210182	PIPE ELBOW, 12"	EACH	1					1		

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PLOT SCALE = 2'	CHECKED - JWB	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 4 OF 14 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	6

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

REV. 8/19/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3		2			1		
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1					1		
	54261415	CONCRETE END SECTION, STANDARD 542001, 15", 1:4	EACH	2				2			
	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	52				40	12		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	77		2		9	66		
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	59		59					
	55100500	STORM SEWER REMOVAL 12"	FOOT	38		2		21	15		
	55101200	STORM SEWER REMOVAL 24"	FOOT	59		59					
	56109210	WATER VALVES TO BE ADJUSTED	EACH	2				2			
	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	5		1		2	2		
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2				1	1		
	60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1				1			
	60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	2				1	1		
	60255500	MANHOLES TO BE ADJUSTED	EACH	5				4	1		
	60260100	INLETS TO BE ADJUSTED	EACH	5				5			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	60500060	REMOVING INLETS	EACH	9		1		4	4		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,123				591	532		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,370		287		1,081	1,002		
	60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT	113		113					
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1,652				670	982		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	8		8					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2		2					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6					
	67100100	MOBILIZATION	L SUM	1					1		
	70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5	0.5					
	70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	0.34	0.34			0.32		
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1					1		

*= SPECIALTY ITEM

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1					1		
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.5	0.5					
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1					1		
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5					
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20					20		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	49,786	4,979	44,807					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	24,893	2,489	22,404					
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	243				121.5	121.5		
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	18,201				9,100.5	9,100.5		
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	284				142	142		
	70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	2,330				1,165	1,165		
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	198				99	99		
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	175				87.5	87.5		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	260		7	116	60	21	56	
*	72000200	SIGN PANEL - TYPE 2	SQ FT	58			58				

*= SPECIALTY ITEM

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3		1		2			
*	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3				2	1		
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	145			116	23	6		
*	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	58			58				
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	18		18					
	73000100	WOOD SIGN SUPPORT	FOOT	151				119	32		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	478				388	90		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50,656	3,477	35,660		9,069	2,450		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,626	96	474		808	248		
*	78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	SQ FT	806	102	704					
*	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	756		756					
*	78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"	FOOT	5,127	199	4,267		474	187		
*	78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	FOOT	6,000	334	2,441		2,392	833		
*	78004645	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 9"	FOOT	730				440	290		
*	78004660	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 12"	FOOT	59		59					

*= SPECIALTY ITEM

MODEL: Default
FILE NAME: K:\2024\240467\240467 C3\Drawings\Mstn\CADD Sheets\0366E54-sht-SQQ01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 8 OF 14 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	10

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

REV. 8/19/24 REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*	78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"	FOOT	583	22	389		123	49		
*	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	806	102	704					
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	51,411	3,477	36,415		9,069	2,450		
*	78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5,127	199	4,267		474	187		
*	78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	6,000	334	2,441		2,392	833		
*	78011050	GROOVING FOR RECESSED PAVEMENT MARKING 10"	FOOT	730				440	290		
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,685	96	533		808	248		
*	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	583	22	389		123	49		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,298	86	1,037		141	34		
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12		12					
*	78200020	CURB REFLECTORS	EACH	517		468		23	26		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,189	86	1,037		45	21		
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	9,052				4,526	4,526		
*	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1						1	
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	487						487	

*= SPECIALTY ITEM

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					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	15						15	
*	81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	67						67	
*	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	77						77	
*	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	12						12	
*	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3						3	
*	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1						1	
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3			2			1	
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1						1	
*	86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	3			2			1	
*	87200400	SPAN WIRE	FOOT	578						578	
*	87200500	TETHER WIRE	FOOT	578						578	
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,396						1,396	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,292			1,840			1,452	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,788						2,788	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,706						1,706	

*= SPECIALTY ITEM

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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	12

CONTRACT NO. 66E54

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: N:\2024\2404567\2404567.03\Drawings\Mstn\CADD Sheets\0366E54-sht-SQQ01.dgn

REV. 8/19/24REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	29						29	
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	658						658	
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4						4	
*	87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1						1	
*	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1						1	
*	87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1						1	
*	87700414	STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1						1	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12						12	
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3						3	
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30						30	
*	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	30						30	
*	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	21			13			8	
*	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6						6	
*	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	11			7			4	
*	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	11			7			4	

*= SPECIALTY ITEM

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
*	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8						8	
	89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1						1	
	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1						1	
	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,028			1,840			3,188	
	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			2			1	
	89502380	REMOVE EXISTING HANDHOLE	EACH	5						5	
	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1						1	
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5						5	
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.5	0.5					
*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	800			800				
*	X0326341	REATTACH END SECTION	EACH	3		3					
*	X8820014	TRAFFIC SIGNAL BACKPLATE,LOUVERED, FORMED PLASTIC, SPECIAL	EACH	42			20			22	

*= SPECIALTY ITEM

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	14

CONTRACT NO. 66E54

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: N:\2024\240467\240467 C3\Drawings\Mstn\CADD Sheets\0366E54-sht-SQQ01.dgn

REV. 8/19/24 REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673	FAP 673	80% FEDERAL	FAP 673	FAU 6321	90% FEDERAL	
					80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	10% STATE 10% PONTIAC	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY
					0004	0004	0021	0004	0004	0021	0004
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1		1					
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	12		12					
	X6050500	REMOVE FRAME AND GRATES (SPECIAL)	EACH	8				4	4		
	X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	12		12					
	X6350206	LINEAR DELINEATOR PANELS, 6 INCH	EACH	10		10					
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1					0.5	0.5	
*	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	2			2				
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8						8	
*	X8780402	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	2			2				
*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	191			109			82	
*	X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	3			2			1	
	X8891501	REMOVE VIDEO VEHICLE DETECTION SYSTEM	EACH	1			1				
	X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	27			27				
	Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	1,998		1,998					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	84					84		
	Z0034105	MATERIAL TRANSFER DEVICE	TON	14,824	944	11,120		1,912	848		

*= SPECIALTY ITEM

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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 13 OF 14 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	15

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

MODEL: Default
FILE NAME: N:\2024\240467\240467-03\Drawings\Mstn\CADD_Sheets\0366E51-sht-SQ001.dgn

REV. 8/19/24REV. 8/12/24

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
					STBG	NHPP		HSIP			LOCAL
					FAP 673 80% FEDERAL 20% STATE	FAP 673 80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% PONTIAC	FAP 673 90% FEDERAL 10% STATE	FAU 6321 90% FEDERAL 10% STATE	90% FEDERAL 7.5% STATE 2.5% PONTIAC	100% PONTIAC
					ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	TRAFFIC SIGNALS 0021 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	TRAFFIC SIGNALS 0021 URBAN	ROADWAY 0004 URBAN
	Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	8		8					
*	Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1						1	
	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1						1	
Ø	Z0076600	TRAINEES	HOUR	1,000	1,000						
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000						

Ø 0042 *= SPECIALTY ITEM

MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

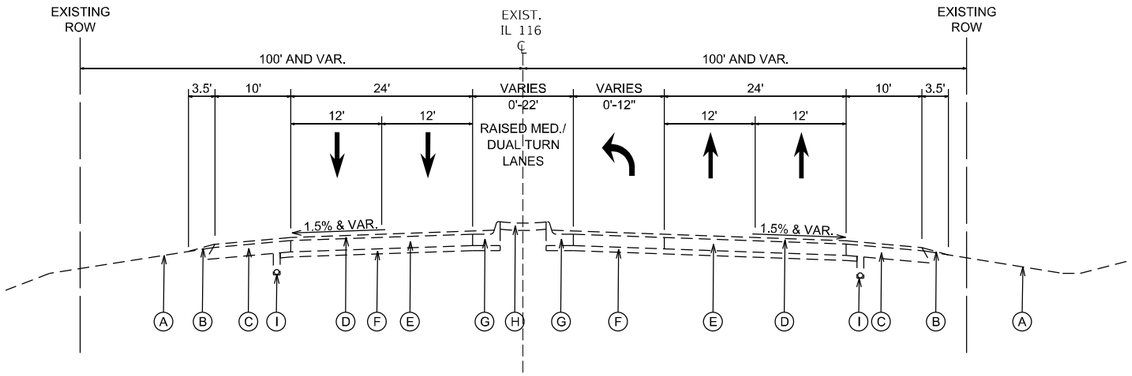
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 14 OF 14 SHEETS | STA. TO STA.

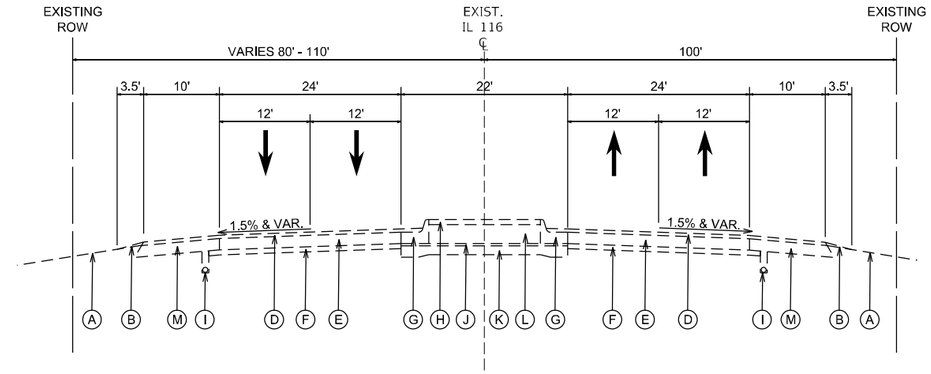
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	16
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

REV. 8/19/24 REV. 8/12/24 REV. 8/5/24



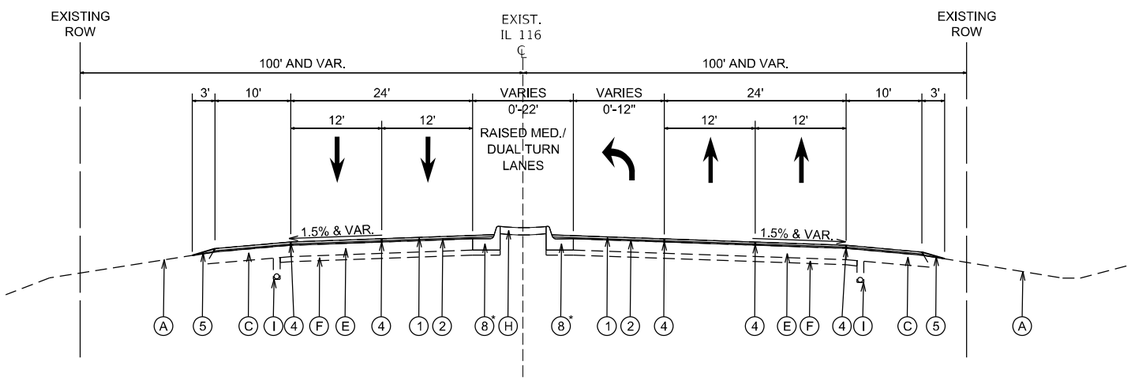
EXISTING TYPICAL SECTION
IL 116 (1)

STA 34+58.99 TO STA 72+00.00



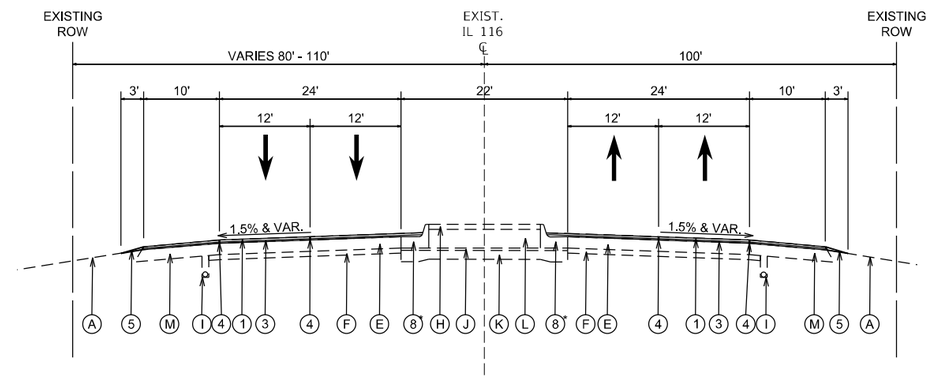
EXISTING TYPICAL SECTION
IL 116 (2)

STA 72+00.00 = STA. 112+33.48 TO STA 133+78.83



PROPOSED TYPICAL SECTION
IL 116 (1)

STA 34+58.99 TO STA 72+00.00



PROPOSED TYPICAL SECTION
IL 116 (2)

STA 72+00.00 = STA. 112+33.48 TO STA 133+78.83

* AT LOCATIONS SHOWN ON THE PLAN AND/OR SCHEDULE OF QUANTITIES

EXISTING LEGEND

- (A) EXISTING GROUND
- (B) AGGREGATE SHOULDERS
- (C) STABILIZED SHOULDERS, 9"
- (D) 2 1/2" HOT-MIX ASPHALT OVERLAY
- (E) PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- (F) STABILIZED SUBBASE, 4"
- (G) COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- (H) PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4"
- (I) PIPE UNDERDRAINS
- (J) 1 7/8" HOT-MIX ASPHALT OVERLAY
- (K) PORTLAND CEMENT CONCRTE PAVEMENT, 9"-7"-9"
- (L) SAND FILL
- (M) BITUMINOUS SHOULDERS, 9"
- (N) 3" HOT-MIX ASPHALT OVERLAY
- (O) CONCRETE MEDIAN, TY. C-4 (SPECIAL)
- (P) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (Q) PORTLAND CEMENT CONCRETE PAVEMENT, 13 4/5"
- (R) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (S) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (T) BITUMINOUS SHOULDERS, 5 3/4"
- (U) PORTLAND CEMENT CONCRETE PAVEMENT, 8"

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75 N50 - 1"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 - 1 1/2"
- (4) LONGITUDINAL JOINT SEALANT
- (5) AGGREGATE WEDGE SHOULDERS, TYBE B
- (6) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
- (9) SODDING
- (10) SEEDING, CLASS 2A EROSION CONTROL BLANKET

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 116

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	17
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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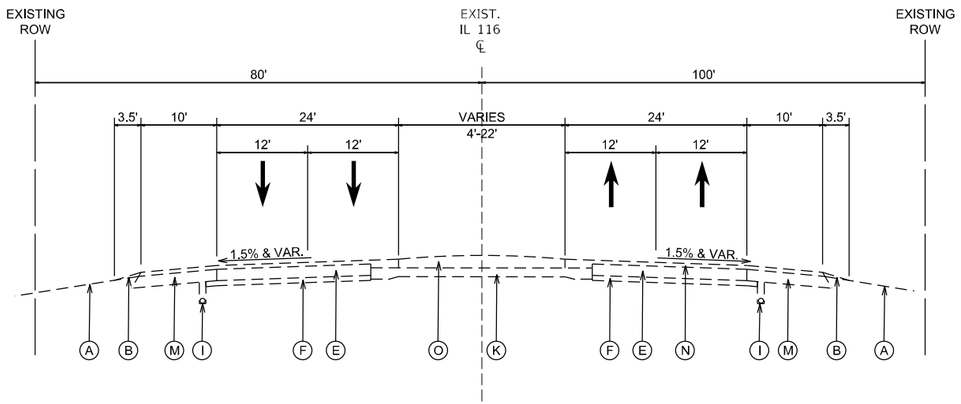
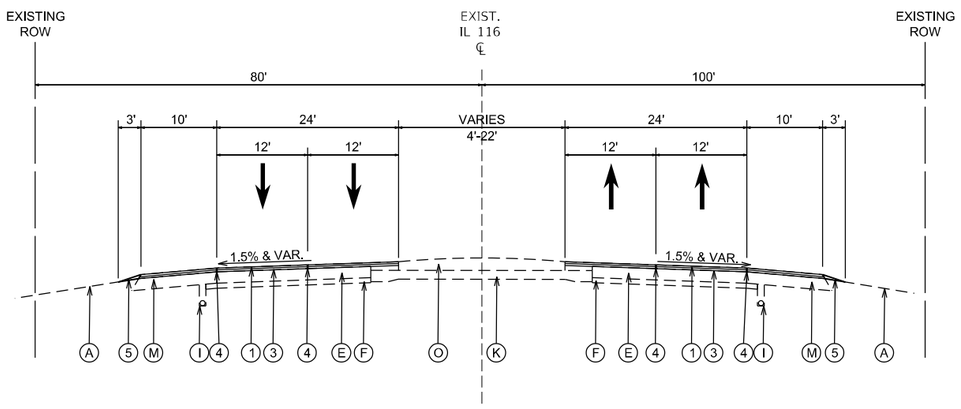
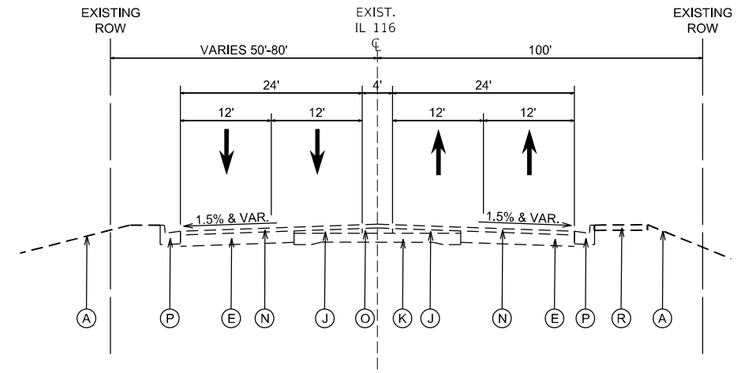


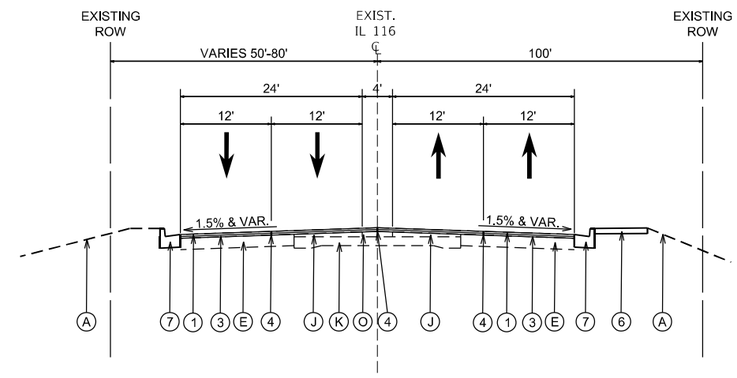
EXISTING TYPICAL SECTION
IL 116 (3)
STA 133+78.83 TO STA. 139+93.80



PROPOSED TYPICAL SECTION
IL 116 (3)
STA 133+78.83 TO STA. 140+83.97



EXISTING TYPICAL SECTION
IL 116 (4)
STA 140+83.97 TO STA STA 146+68.34



PROPOSED TYPICAL SECTION
IL 116 (4)
STA 140+83.97 TO STA STA 146+68.34

EXISTING LEGEND

- (A) EXISTING GROUND
- (B) AGGREGATE SHOULDERS
- (C) STABILIZED SHOULDERS, 9"
- (D) 2 1/2" HOT-MIX ASPHALT OVERLAY
- (E) PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- (F) STABILIZED SUBBASE, 4"
- (G) COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- (H) PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4"
- (I) PIPE UNDERDRAINS
- (J) 1 7/8" HOT-MIX ASPHALT OVERLAY
- (K) PORTLAND CEMENT CONCRTE PAVEMENT, 9"-7"-9"
- (L) SAND FILL
- (M) BITUMINOUS SHOULDERS, 9"
- (N) 3" HOT-MIX ASPHALT OVERLAY
- (O) CONCRETE MEDIAN, TY. C-4 (SPECIAL)
- (P) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (Q) PORTLAND CEMENT CONCRETE PAVEMENT, 13 4/5"
- (R) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (S) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (T) BITUMINOUS SHOULDERS, 5 3/4"
- (U) PORTLAND CEMENT CONCRETE PAVEMENT, 8"

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75 N50 - 1"
- (3) POLYMERIZED HOT-MIX ASHALT BINDER COURSE, IL-9.5, N70 - 1 1/2"
- (4) LONGITUDINAL JOINT SEALANT
- (5) AGGREGATE WEDGE SHOULDERS, TYBE B
- (6) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
- (9) SODDING
- (10) SEEDING, CLASS 2A
  EROSION CONTROL BLANKET

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USER NAME = cwasowicz	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 116

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	18
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

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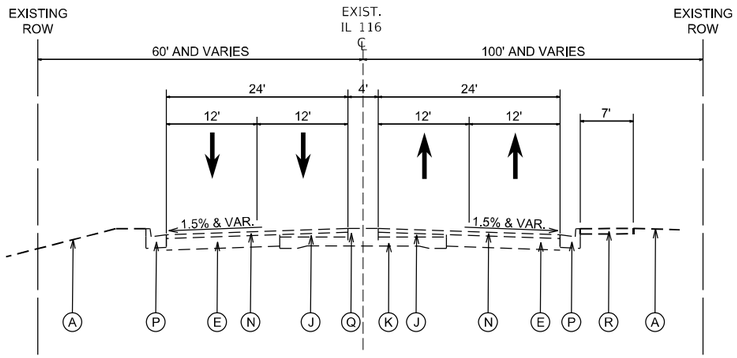
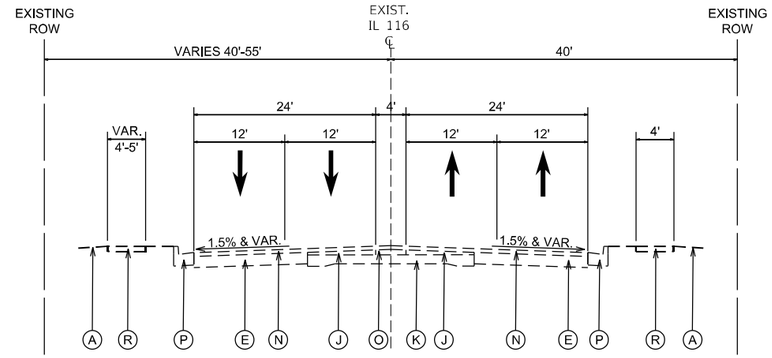


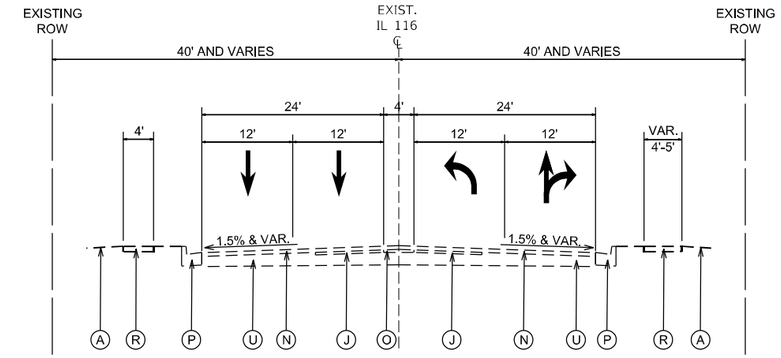
EXISTING TYPICAL SECTION
IL 116 (5)

STA 146+68.34 TO STA 149+08.18
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99



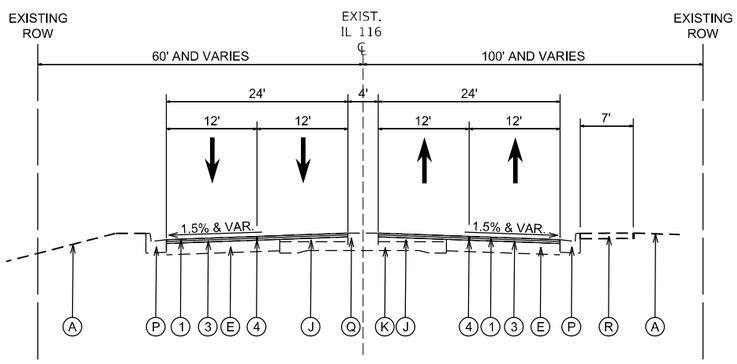
EXISTING TYPICAL SECTION
IL 116 (6)

STA 149+08.18 TO STA 160+00.00



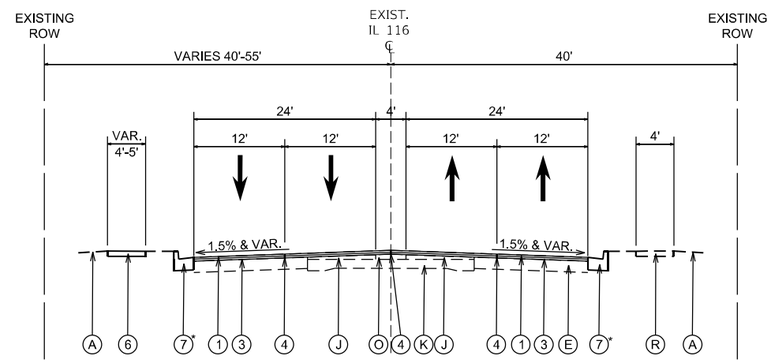
EXISTING TYPICAL SECTION
IL 116 (7)

STA 160+00.00 TO STA 173+28.00



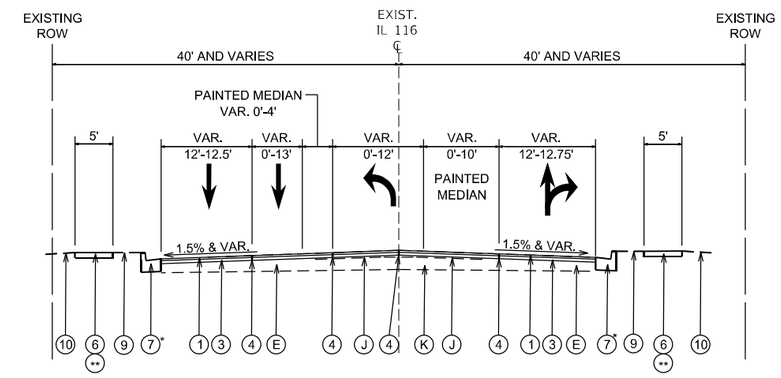
PROPOSED TYPICAL SECTION
IL 116 (5)

STA 146+68.34 TO STA 149+08.18
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99



PROPOSED TYPICAL SECTION
IL 116 (6)

STA 149+08.18 TO STA 160+00.00



PROPOSED TYPICAL SECTION
IL 116 (7)

STA 160+00.00 TO STA 173+28.00

* AT LOCATIONS SHOWN ON THE PLAN AND/OR SCHEDULE OF QUANTITIES

(**) 5' SIDEWALK TO BE INSTALLED FROM STA 162+22.07 RT TO STA 168+80.92 RT AND STA 165+14.64 LT TO STA 167+55.44 LT

EXISTING LEGEND

- (A) EXISTING GROUND
- (B) AGGREGATE SHOULDERS
- (C) STABILIZED SHOULDERS, 9"
- (D) 2 1/2" HOT-MIX ASPHALT OVERLAY
- (E) PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- (F) STABILIZED SUBBASE, 4"
- (G) COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- (H) PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4"
- (I) PIPE UNDERDRAINS
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- (K) PORTLAND CEMENT CONCRTE PAVEMENT, 9"-7"-9"
- (L) SAND FILL
- (M) BITUMINOUS SHOULDERS, 9"
- (N) 3" HOT-MIX ASPHALT OVERLAY
- (O) CONCRETE MEDIAN, TY. C-4 (SPECIAL)
- (P) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (Q) PORTLAND CEMENT CONCRETE PAVEMENT, 13 4/5"
- (R) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (S) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (T) BITUMINOUS SHOULDERS, 5 3/4"
- (U) PORTLAND CEMENT CONCRETE PAVEMENT, 8"

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75 N50 - 1"
- (3) POLYMERIZED HOT-MIX ASHALT BINDER COURSE, IL-9.5, N70 - 1 1/2"
- (4) LONGITUDINAL JOINT SEALANT
- (5) AGGREGATE WEDGE SHOULDERS, TYBE B
- (6) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
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- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
- (9) SODDING
- (10) SEEDING, CLASS 2A
  EROSION CONTROL BLANKET

V3 Companies
7325 Janes Avenue
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630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 116

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	19

CONTRACT NO. 66E54
ILLINOIS | FED. AID PROJECT

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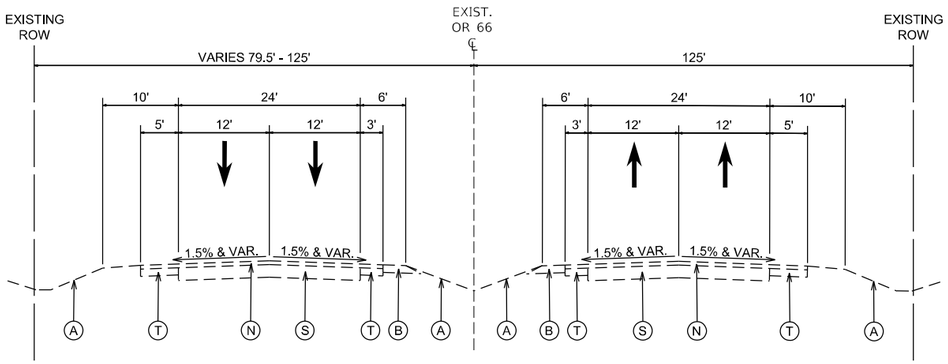
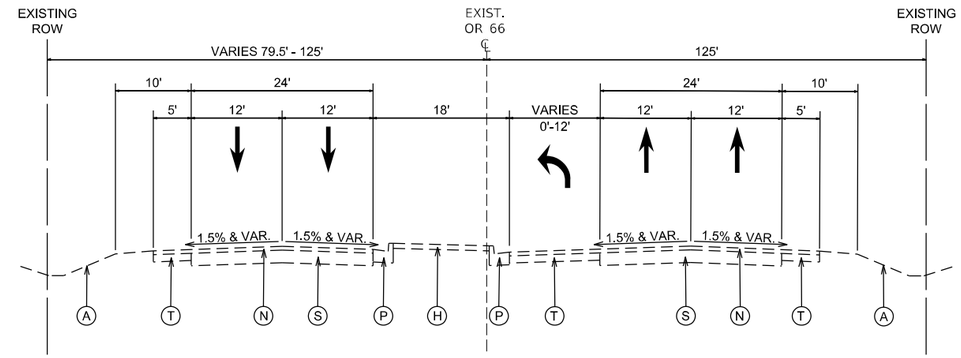


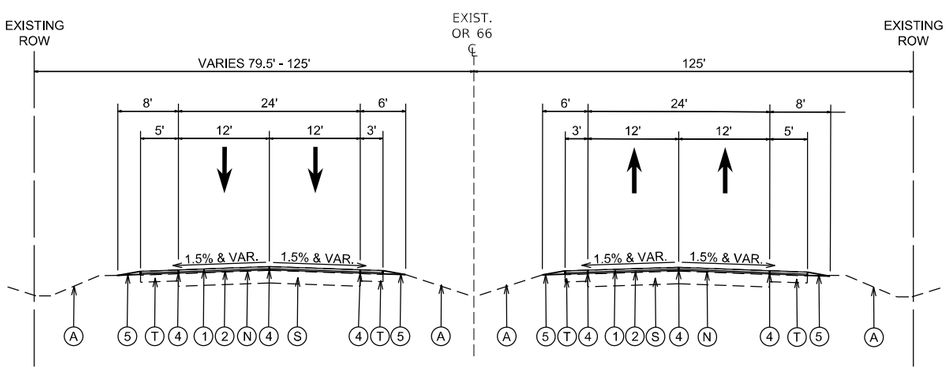
EXISTING TYPICAL SECTION
OR 66 (10)

STA. 1486+23.57 TO STA. 1494+77.22



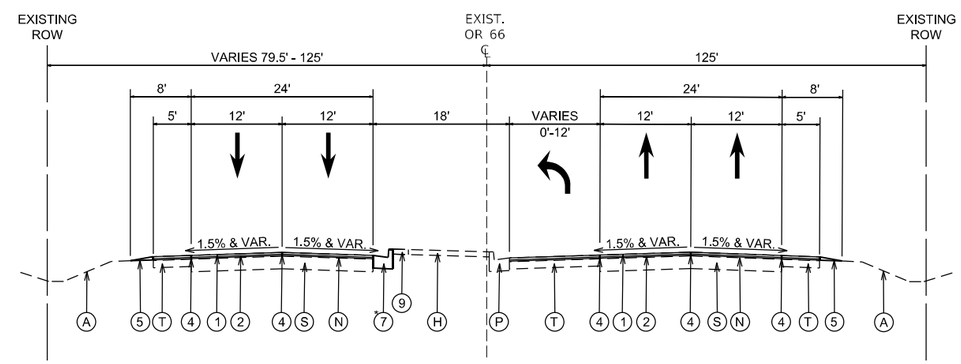
EXISTING TYPICAL SECTION
OR 66 (11)

STA. 1494+77.22 TO STA. 1497+00.00



PROPOSED TYPICAL SECTION
OR 66 (10)

STA. 1486+23.57 TO STA. 1494+77.22



PROPOSED TYPICAL SECTION
OR 66 (11)

STA. 1494+77.22 TO STA. 1497+00.00

* AT LOCATIONS SHOWN ON THE PLAN AND/OR SCHEDULE OF QUANTITIES

SEE NEXT SHEET FOR TYPICAL SECTIONS 8 AND 9

EXISTING LEGEND

- (A) EXISTING GROUND
- (B) AGGREGATE SHOULDERS
- (C) STABILIZED SHOULDERS, 9"
- (D) 2 1/2" HOT-MIX ASPHALT OVERLAY
- (E) PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- (F) STABILIZED SUBBASE, 4"
- (G) COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.24
- (H) PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4"
- (I) PIPE UNDERDRAINS
- (J) 1 7/8" HOT-MIX ASPHALT OVERLAY
- (K) PORTLAND CEMENT CONCRTE PAVEMENT, 9"-7"-9"
- (L) SAND FILL
- (M) BITUMINOUS SHOULDERS, 9"
- (N) 3" HOT-MIX ASPHALT OVERLAY
- (O) CONCRETE MEDIAN, TY. C-4 (SPECIAL)
- (P) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
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- (R) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (S) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (T) BITUMINOUS SHOULDERS, 5 3/4"
- (U) PORTLAND CEMENT CONCRETE PAVEMENT, 8"

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75 N50 - 1"
- (3) POLYMERIZED HOT-MIX ASHALT BINDER COURSE, IL-9.5, N70 - 1 1/2"
- (4) LONGITUDINAL JOINT SEALANT
- (5) AGGREGATE WEDGE SHOULDERS, TYBE B
- (6) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
- (9) SODDING
- (10) SEEDING, CLASS 2A
  EROSION CONTROL BLANKET

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630.724.9200 phone
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www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 20'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
OR 66

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	20
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

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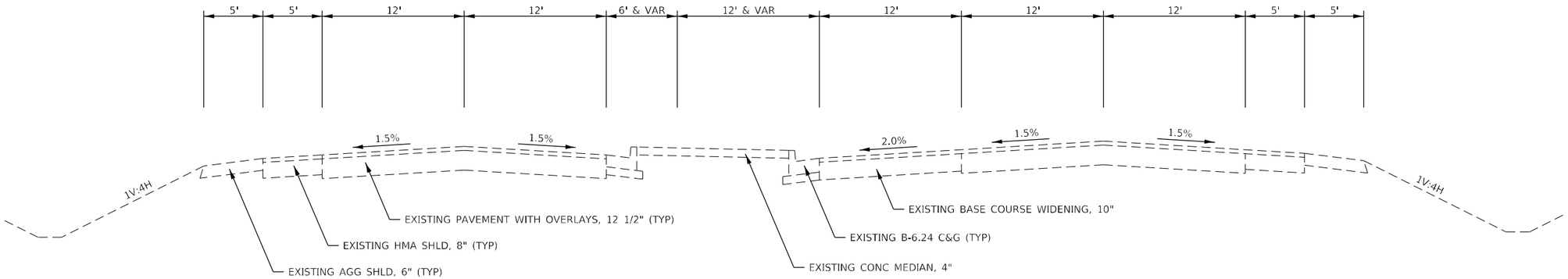
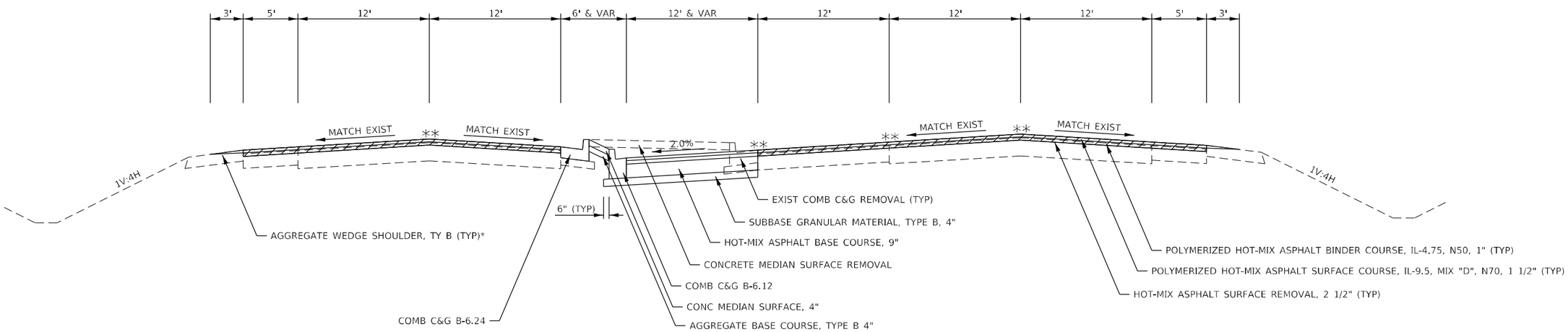


EXISTING TYPICAL SECTION 8 - OR 66

STA 1497+00 TO STA 1503+05



PROPOSED TYPICAL SECTION 8 - OR 66

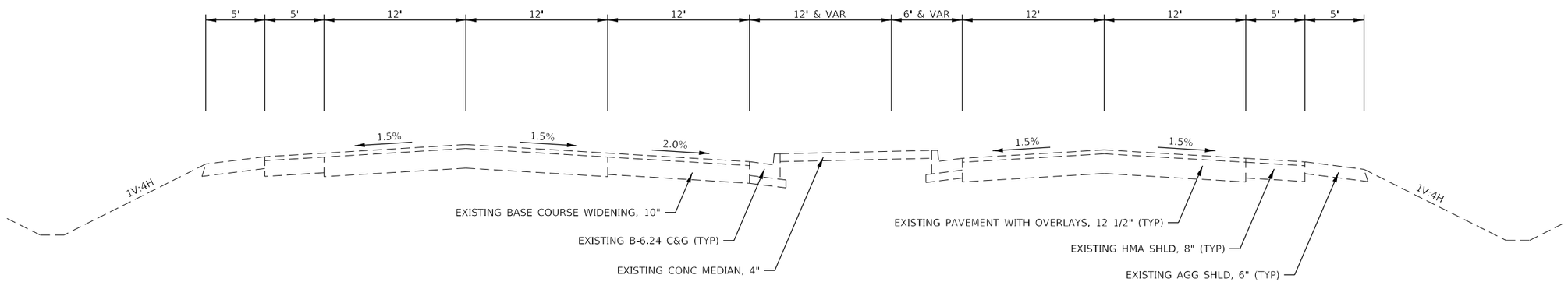
STA 1497+00 TO STA 1503+05

*STA 1500+97 TO STA 1502+46 RT
*STA 1501+45 TO STA 1502+24 LT
REM HMA SHOULDER AND REPLACE WITH HMA SHOULDER 8" (TON)
REM AGG SHOULDER AND REPLACE WITH AGG SHOULDER, TY B 6" (SQ YD)

**LONGITUDINAL JOINT SEALANT LOCATION

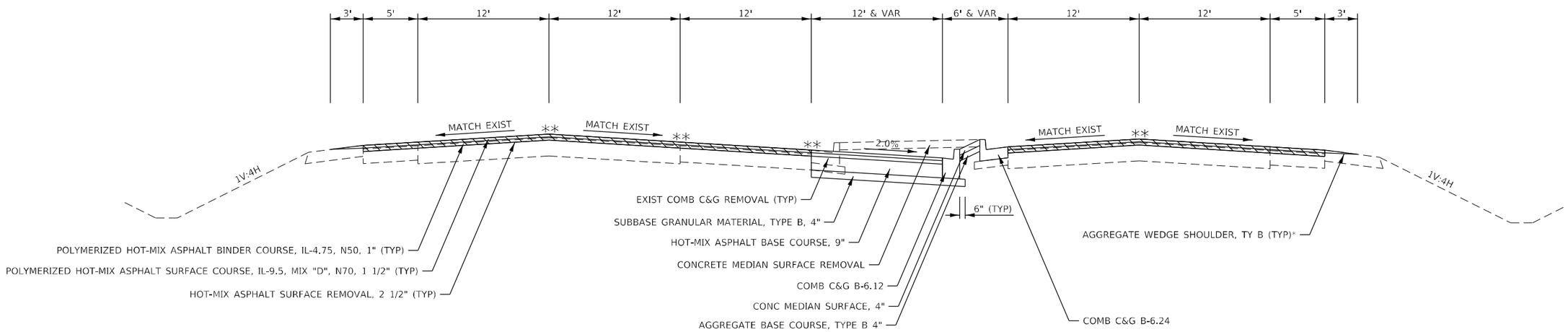
MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-typ.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OR 66			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -					673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 21
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 66E54	
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE:	SHEET 5 OF 7 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION 9 - OR 66

STA 1504+39 TO STA 1510+27



PROPOSED TYPICAL SECTION 9 - OR 66

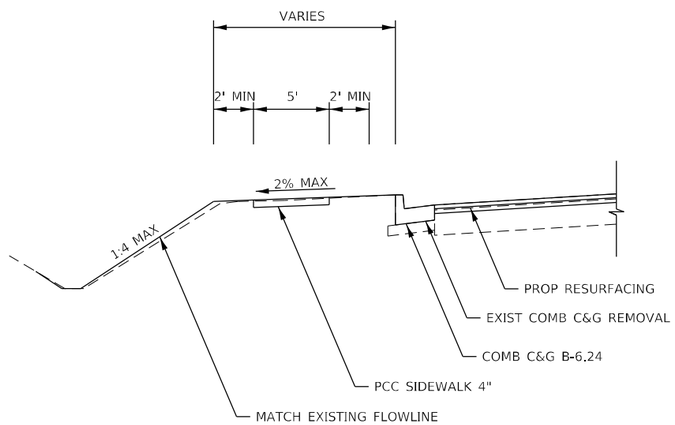
STA 1504+39 TO STA 1510+27

*STA 1505+00 TO STA 1505+45 RT
*STA 1505+00 TO STA 1506+02 LT
*STA 1509+69 TO STA 1510+27 LT
REM HMA SHOULDER AND REPLACE WITH HMA SHOULDER 8" (TON)
REM AGG SHOULDER AND REPLACE WITH AGG SHOULDER, TY B 6" (SQ YD)

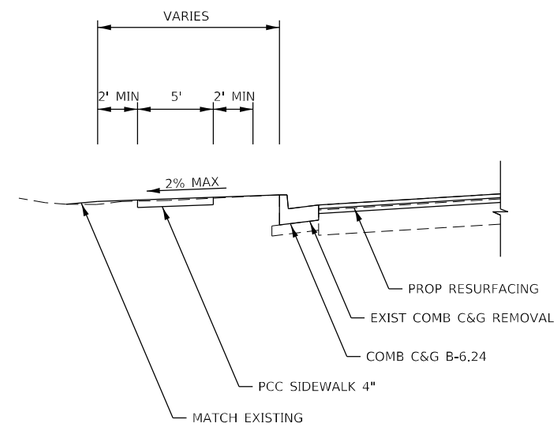
**LONGITUDINAL JOINT SEALANT LOCATION

MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-typ.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OR 66			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -					673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 22
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 66E54	
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE:	SHEET 6 OF 7 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT	



DITCH CONDITION



NON-DITCH CONDITION

PROPOSED TYPICAL SECTION - SIDEWALK DETAIL

STA 162+22 TO STA 165+15 (RT)
STA 165+15 TO STA 165+78 (LT & RT)
STA 165+72 TO STA 167+54 (LT & RT)
STA 167+54 TO STA 168+85 (RT)

MODEL: Default
FILE NAME: V:\4845.17 QR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-typ.dgn

Hutchison Engineering, Inc.

USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SIDEWALK DETAIL

SCALE: | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	23
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12"	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
IL 116 (FAP 673)									
SBTG - 80% FEDERAL/20% STATE									
35+00	EB LN 1	12	12		16				
35+00	WB LN 1	12	12						
35+90	WB TURN LN	12	12		16				
36+00	EB LN 1	12	12		16				
36+00	WB LN 1	12	12						
36+47	WB LN 1	12	12		16				
37+55	EB LN 1	12	12		16				
37+55	EB LN 2	12	12		16				
37+55	WB LN 1	12	12		16				
37+55	WB LN 2	12	12		16				
38+50	EB LN 1	12	25			33			25
38+50	EB LN 2	12	25			33			25
38+50	WB LN 1	12	12		16				
38+50	WB LN 2	12	12		16				
39+10	EB LN 1	12	12		16				
39+10	EB LN 2	12	12		16				
39+45	EB LN 1	12	12		16				
39+45	EB LN 2	12	12		16				
40+00	EB LN 1	12	12		16				
40+00	EB LN 2	12	12		16				
40+00	WB LN 1	12	12		16				
40+00	WB LN 2	12	12		16				
40+45	EB LN 1	12	12		16				
40+45	EB LN 2	12	12		16				
40+45	WB LN 1	12	12		16				
40+45	WB LN 2	12	12		16				
41+35	EB LN 1	12	12		16				
41+35	EB LN 2	12	12		16				
41+95	EB LN 1	12	12		16				
41+95	EB LN 2	12	12		16				
41+95	WB LN 1	12	12		16				
41+95	WB LN 2	12	12		16				
42+95	WB LN 1	12	12		16				
42+95	WB LN 2	12	12		16				
43+00	EB LN 1	12	12		16				
43+00	EB LN 2	12	12		16				
			SBTG SUBTOTAL		512	67			50

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12"	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
IL 116 (FAP 673)									
NHPP - 80% FEDERAL/20% STATE									
43+25	EB LN 2	12	30			40			30
44+00	EB LN 1	12	12		16				
44+00	EB LN 2	12	12		16				
44+00	WB LN 1	12	12		16				
44+00	WB LN 2	12	12		16				
45+00	EB LN 1	12	12		16				
45+00	EB LN 2	12	12		16				
45+00	WB LN 1	12	12		16				
45+00	WB LN 2	12	12		16				
46+00	EB LN 1	12	12		16				
46+00	EB LN 2	12	12		16				
46+00	WB LN 1	12	12		16				
46+00	WB LN 2	12	12		16				
46+90	WB LN 1	12	12		16				
46+90	WB LN 2	12	12		16				
47+00	EB LN 1	12	12		16				
47+00	EB LN 2	12	12		16				
47+00	WB LN 1	12	12		16				
47+00	WB LN 2	12	12		16				
47+60	WB LN 1	12	12		16				
47+60	WB LN 2	12	12		16				
47+65	WB LN 1	12	12		16				
47+65	WB LN 2	12	12		16				
47+90	WB LN 1	12	12		16				
47+90	WB LN 2	12	12		16				
48+00	WB LN 1	12	12		16				
48+00	WB LN 2	12	12		16				
51+95	WB LN 1	12	12		16				
51+95	WB LN 2	12	12		16				
52+30	EB LN 1	12	12		16				
52+30	EB LN 2	12	12		16				
52+30	WB LN 1	12	12		16				
52+30	WB LN 2	12	12		16				
53+00	EB LN 1	12	12		16				
53+00	EB LN 2	12	12		16				
53+90	WB LN 1	12	12		16				
53+90	WB LN 2	12	12		16				
54+00	EB LN 1	12	12		16				
54+00	EB LN 2	12	12		16				
54+00	EB TL	12	12		16				
54+90	WB LN 1	12	12		16				
54+90	WB LN 2	12	12		16				
55+00	EB LN 1	12	12		16				
55+00	EB LN 2	12	12		16				
55+00	EB TL	12	12		16				
55+90	WB LN 1	12	12		16				
55+90	WB LN 2	12	12		16				
56+00	EB LN 1	12	12		16				
56+00	EB LN 2	12	12		16				
56+00	EB TL	12	12		16				
56+00	WB LN 1	12	12		16				
56+00	WB LN 2	12	12		16				
56+00	WB TL	12	12		16				
56+90	WB LN 1	12	12		16				
56+90	WB LN 2	12	12		16				
57+00	EB LN 1	12	12		16				
57+00	EB LN 2	12	12		16				
57+50	WB LN 1	12	12		16				
57+50	WB LN 2	12	12		16				
58+00	EB LN 1	12	12		16				
58+00	EB LN 2	15	15			25			
58+00	WB LN 1	12	12		16				
58+00	WB LN 2	12	12		16				
58+90	WB LN 1	12	12		16				
58+90	WB LN 2	12	12		16				
59+00	EB LN 1	12	12		16				
59+00	EB LN 2	12	12		16				
59+50	EB LN 1	12	12		16				
59+50	EB LN 2	12	12		16				
59+95	EB LN 1	12	12		16				
59+95	EB LN 2	12	12		16				
59+95	WB LN 1	12	12		16				
59+95	WB LN 2	12	12		16				
61+00	EB LN 1	12	12		16				
61+00	EB LN 2	12	12		16				
61+00	EB TL	12	12		16				
61+00	WB LN 1	12	12		16				
61+00	WB LN 2	12	12		16				
61+80	EB TL	12	12		16				
61+90	EB LN 1	12	12		16				
61+90	EB LN 2	12	12		16				
61+90	EB TL	12	12		16				
			SUBTOTAL		1,280	65			30

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12"	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
IL 116 (FAP 673)									
NHPP - 80% FEDERAL/20% STATE									
63+00	EB LN 1	12	12		16				
63+00	EB LN 2	12	12		16				
64+00	EB LN 1	12	12		16				
64+00	EB LN 2	12	12		16				
64+90	WB LN 1	12	12		16				
64+90	WB LN 2	12	12		16				
64+90	WB TL	12	12		16				
65+00	EB LN 1	12	12		16				
65+00	EB LN 2	12	12		16				
65+90	WB LN 1	12	12		16				
65+90	WB LN 2	15	12		20				
66+00	EB LN 1	12	12		16				
66+00	EB LN 2	12	12		16				
66+95	WB LN 1	12	12		16				
66+95	WB LN 2	12	12		16				
67+80	EB LN 2	12	12		16				
67+90	WB LN 1	12	12		16				
67+90	WB LN 2	12	12		16				
68+90	WB LN 1	12	12		16				
68+90	WB LN 2	12	12		16				
69+00	EB LN 1	12	12		16				
69+00	EB LN 2	12	12		16				
69+90	WB LN 1	12	12		16				
69+90	WB LN 2	12	12		16				
70+00	EB LN 2	12	12		16				
70+00	EB LN 1	12	12		16				
70+00	WB LN 1	12	12		16				
70+00	WB LN 2	12	12		16				
71+00	EB LN 1	12	12		16				
71+00	EB LN 2	12	12		16				
71+90	WB LN 1	12	12		16				
71+90	WB LN 2	12	12		16				
112+00	EB LN 2	12	12		16				
112+30	EB LN 1	12	12		16				
112+80	EB LN 1	12	12		16				
112+80	EB LN 2	12	12		16				
115+60	WB LN 1	12	12		16				
115+60	WB LN 2	12	12		16				
115+75	EB LN 1	12	12		16				
115+75	EB LN 2	12	12		16				
117+00	WB LN 1	12	12		16				
117+00	WB LN 2	12	12		16				
117+75	EB LN 1	12	12		16				
117+75	EB LN 2	12	12		16				
118+95	WB LN 1	12	12		16				
118+95	WB LN 2	12	12		16				
119+75	EB LN 1	12	12		16				
119+75	EB LN 2	12	12		16				
119+75	EB TL	12	12		16				
120+10	EB LN 1	12	12		16				
120+10	EB LN 2	12	12		16				
120+65	WB LN 1	12	12		16				
120+65	WB LN 2	12	12		16				
121+20	WB LN 1	12	12		16				
121+20	WB LN 2	12	12		16				
122+20	WB LN 1	12	12		16				
122+20	WB LN 2	12	12		16				
122+40	EB LN 1	12	12		16				
122+40	EB LN 2	12	12		16				
122+90	EB LN 1	12	12		16				
122+90	EB LN 2	12	12		16				
122+90	WB LN 1	12	12		16				
122+90	WB LN 2	12	12		16				
123+62	WB LT LN	12	12		16				
124+30	EB LN 1	12	12		16				
124+30	EB LN 2	12	12		16				
124+30	WB LN 1	12	12		16				
124+30	WB LN 2	12	12		16				
127+20	EB LN 1	12	12		16				
127+20	EB LN 2	12	12		16				
127+20	WB LN 1	12	12		16				
127+20	WB LN 2	12	12		16				
128+80	EB LN 1	12	12		16				
128+80	EB LN 2	12	12		16				
128+90	EB LN 1	12	12		16				
128+90	EB LN 2	12	12		16				
129+00	WB LN 2	12	12		16				
130+70	WB LN 1	12	12		16				
130+70	WB LN 2	12	12		16				
132+20	EB LN 1	12	12		16				
132+20	EB LN 2	12	12		16				
			SUBTOTAL		1,300				

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	24
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: h:\2024\240467\240467.03\Drawings\Main\CADD_Sheets\D366E54-sh-sched01.dgn

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12'	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
IL 116 (FAP 673)									
NHPP - 80% FEDERAL/20% STATE									
132+90	EB LN 1	12	12		16				
132+90	EB LN 2	12	12		16				
133+40	EB LN 1	12	12		16				
133+40	EB LN 2	12	12		16				
134+00	WB LN 1	12	12		16				
134+00	WB LN 2	12	12		16				
134+05	EB LN 1	12	12		16				
134+05	EB LN 2	12	12		16				
134+90	WB LN 1	12	12		16				
134+90	WB LN 2	12	12		16				
135+35	EB LN 1	12	12		16				
135+35	EB LN 2	12	12		16				
136+40	WB LN 1	12	12		16				
136+40	WB LN 2	12	12		16				
136+75	WB LN 1	12	12		16				
136+75	WB LN 2	12	12		16				
137+70	EB LN 1	12	12		16				
137+70	EB LN 2	12	12		16				
138+90	WB LN 1	12	12		16				
138+90	WB LN 2	12	12		16				
139+50	WB LN 1	12	12		16				
139+50	WB LN 2	12	12		16				
140+75	WB LN 1	12	12		16				
140+75	WB LN 2	12	12		16				
141+00	WB LN 1	12	12		16				
141+00	WB LN 2	12	12		16				
141+40	WB LN 1	12	12		16				
141+40	WB LN 2	12	12		16				
142+00	WB LN 1	12	50			67			50
142+20	WB LN 1	12	25			33			25
142+50	EB LN 1	12	12		16				
142+50	EB LN 2	12	12		16				
142+50	WB LN 1	12	12		16				
142+50	WB LN 2	12	12		16				
143+70	WB LN 2	12	12		16				
144+20	EB LN 1	12	12		16				
144+20	EB LN 2	12	12		16				
144+20	WB LN 1	12	12		16				
144+20	WB LN 2	12	12		16				
144+50	EB LN 1	12	12		16				
144+50	EB LN 2	12	12		16				
144+65	WB LN 2	12	12		16				
144+75	WB LN 2	12	12		16				
145+25	WB LN 2	12	12		16				
145+60	WB LN 1	12	30			40			30
145+75	WB LN 2	12	12		16				
145+85	EB LN 1	12	12		16				
145+85	EB LN 2	12	12		16				
145+85	WB LN 1	12	12		16				
146+65	WB LN 2	12	12		16				
146+70	WB LN 2	12	12		16				
147+10	EB LN 1	12	12		16				
147+10	EB LN 2	12	12		16				
147+10	WB LN 1	12	12		16				
147+10	WB LN 2	12	12		16				
148+30	EB LN 1	12	12		16				
148+30	EB LN 2	12	12		16				
148+30	WB LN 1	12	12		16				
148+30	WB LN 2	12	12		16				
148+70	WB LN 1	12	12		16				
148+70	EB LN 1	12	12		16				
149+05	WB LN 1	12	12		16				
149+05	WB LN 2	12	12		16				
149+90	EB LN 1	12	12		16				
149+90	EB LN 2	12	12		16				
149+90	WB LN 1	12	12		16				
149+90	WB LN 2	12	12		16				
150+10	WB LN 2	12	25			33			25
150+65	EB LN 1	12	12		16				
150+65	EB LN 2	12	12		16				
150+65	WB LN 1	12	12		16				
150+65	WB LN 2	12	12		16				
151+45	WB LN 2	12	60			80			60
151+50	EB LN 1	12	12		16				
151+50	EB LN 2	12	12		16				
151+50	WB LN 1	12	12		16				
152+00	EB LN 2	12	15		20				
152+25	WB LN 1	12	12		16				
152+25	WB LN 2	12	12		16				
152+70	WB LN 1	12	12		16				
152+70	WB LN 2	12	12		16				
			SUBTOTAL		1,220	253			190

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12"	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
IL 116 (FAP 673)									
NHPP - 80% FEDERAL/20% STATE									
153+55	WB LN 1	12	12		16				
153+55	WB LN 2	12	12		16				
154+20	WB LN 1	12	12		16				
154+20	WB LN 2	12	12		16				
155+45	WB LN 1	12	12		16				
155+45	WB LN 2	12	12		16				
156+50	EB LN 1	12	12		16				
156+50	EB LN 2	12	12		16				
156+50	WB LN 1	12	12		16				
156+57	CULVERT CROSSING	5.5	59			36			
160+00	WB LN 1	12	4	6					
160+00	WB LN 2	12	12		16				
160+65	EB LN 1	12	12		16				
160+65	WB LN 1	12	12		16				
160+65	WB LN 2	12	12		16				
161+00	EB LN 1	12	12		16				
161+00	EB LN 2	12	12		16				
161+95	WB LN 1	12	12		16				
161+95	WB LN 2	12	12		16				
162+15	WB LN 1	12	12		16				
162+15	WB LN 2	12	12		16				
162+35	WB LN 1	12	12		16				
162+35	WB LN 2	12	12		16				
162+80	WB LN 1	12	12		16				
162+80	WB LN 2	12	12		16				
164+20	EB LN 1	15	12		20				
164+20	EB LN 2	12	12		16				
164+20	WB LN 1	15	12		20				
164+20	WB LN 2	12	12		16				
164+70	EB TL	12	12		16				
164+70	WB LN 1	12	12		16				
164+70	WB LN 2	12	12		16				
165+00	EB LN 1	12	20			27			
165+00	EB LN 2	12	12		16				
165+00	WB LN 1	12	12		16				
165+00	WB LN 2	12	12		16				
165+15	EB TL	12	20			27			20
167+10	EB LN 1	20	12					27	
167+10	EB LN 2	20	12					27	
OR 66									
1486+00	NB LN 2	12	12				16		
1487+00	SB LN 1	12	12				16		
1487+00	SB LN 2	12	12				16		
1487+60	SB LN 1	12	12				16		
1487+60	SB LN 2	12	12				16		
1487+95	SB LN 1	12	12				16		
1487+95	SB LN 2	12	12				16		
1488+40	SB LN 1	12	50					67	50
1488+40	SB LN 2	12	50					67	50
1488+55	NB LN 2	12	12				16		
1488+95	SB LN 1	12	12				16		
1488+95	SB LN 2	12	12				16		
1489+55	SB LN 1	12	12				16		
1489+55	SB LN 2	12	12				16		
1489+95	SB LN 1	12	12				16		
1489+95	SB LN 2	12	12				16		
1490+00	NB LN 1	12	12				16		
1490+00	NB LN 2	12	12				16		
1490+75	NB LN 2	12	12				16		
1491+00	SB LN 1	12	12				16		
1491+00	SB LN 2	12	12				16		
1491+95	SB LN 1	12	12				16		
1491+95	SB LN 2	12	12				16		
1492+60	NB LN 1	12	12				16		
1492+85	NB LN 1	12	12				16		
1493+00	SB LN 1	12	12				16		
1493+00	SB LN 2	12	12				16		
1493+35	NB LN 1	12	12				16		
1493+35	NB LN 2	12	12				16		
1494+00	NB LN 1	12	12				16		
1494+00	NB LN 2	12	12				16		
1494+00	SB LN 1	12	12				16		
1494+00	SB LN 2	12	12				16		
1494+65	NB LN 2	12	12				16		
1494+90	NB LN 1	12	12				16		
1494+90	NB LN 2	12	12				16		
1495+00	NB LN 1	12	12				16		
1495+00	NB LN 2	12	12				16		
1495+00	SB LN 1	12	12				16		
1495+00	SB LN 2	12	12				16		
1496+00	SB LN 1	12	12				16		
1496+00	SB LN 2	12	12				16		
			NHPP SUBTOTAL	6	4,336	408	640	187	340

CLASS B PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
				12"	12"	12"	13"	13"	1 1/4"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
HSIP ROADWAY - 90% FEDERAL/10% STATE									
OR 66 (FAP 673)									
1497+00	SB LN 1	12	12				16		
1497+00	SB LN 2	12	12				16		
1498+00	SB LN 1	12	12				16		
1498+00	SB LN 2	12	12				16		
1499+00	SB LN 1	12	12				16		
1499+00	SN LN 2	12	12				16		
1499+90	SB LN 1	12	12				16		
1499+90	SB LN 2	12	12				16		
1500+70	SB LN 1	12	12				16		
1500+70	SB LN 2	12	12				16		
1500+90	NB LN 1	12	12				16		
1500+90	NB LN 2	12	12				16		
1502+20	NB LN 1	12	12				16		
1502+20	NB LN 2	12	12				16		
1502+95	SB TL	12	50					67	50
1503+00	NB LN 1	12	12				16		
1503+00	NE LN 2	12	12				16		
1503+00	NB LN 1	12	12				16		
1503+00	NB TL	12	12				16		
HSIP ROADWAY (FAP 673) SUBTOTAL							288	67	50
OR 66 (FAU 6321)									
1504+20	NB TL	15	20					33	20
1504+52	SB LN 1/2	12	30					40	
HSIP ROADWAY (FAU 6321) SUBTOTAL								73	20
			TOTAL	**6**	**4,848**	**475**	**928**	**327**	**460**

CLASS B PATCHING SUMMARY

FUNDING SOURCE	CLASS B TYPE II	CLASS B TYPE III	CLASS B TYPE IV	CLASS B TYPE III	CLASS B TYPE IV	TIE BARS
	12"	12"	12"	13"	13"	1 1/4"
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
SBTG (FAP 673)		512	67			50
NHPP (FAP 673)	6	4,336	408	640	187	340
HSIP ROADWAY (FAP 673)				288	67	50
HSIP ROADWAY (FAU 6321)					73	20
TOTAL	**6**	**4,848**	**475**	**928**	**327**	**460**

CLASS D PATCHING SCHEDULE

LOCATION		PATCH WIDTH	PATCH LENGTH	CLASS D TYPE I	CLASS D TYPE II	CLASS D TYPE I
				9"	9"	8"
STATION	LANE	FT	FT	SQ YD	SQ YD	SQ YD
IL 116 (FAP 673)						
SBTG - 80% FEDERAL/20% STATE						
39+10	EB SHOULDER	5	10		6	
SBTG SUBTOTAL					**6**	
NHPP - 80% FEDERAL/20% STATE						
49+45	EB SHOULDER	5	10		6	
40+00	EB SHOULDER	5	10		6	
57+00	EB SHOULDER	5	12		7	
121+20	WB SHOULDER	3	12	4		
NHPP SUBTOTAL				**4**	**18**	
OR 66 (FAP 673)						
HSIP ROADWAY - 90% FEDERAL/10% STATE						
1499+90	SB SHOULDER	3	10			4
HSIP ROADWAY SUBTOTAL						**4**
			TOTAL	**4**	**24**	**4**

MIXTURES FOR CRACKS, JOINTS, AND FLANGEWAYS SCHEDULE

LOCATION		MIXTURES FOR CRACKS, JOINTS, AND FLANGEWAYS
STATION	LANE	TON
IL 116 (FAP 673)		
SBTG - 80% FEDERAL/20% STATE		
41+80	EB LN 1/2	5
SBTG SUBTOTAL		**5**
NHPP - 80% FEDERAL/20% STATE		
45+00	WB LN 1/2	24
45+10	EB LN 1/2	4
46+25	EB LN 1/2	2
47+60	EB LN 1/2	3
53+00	EB LN 1/2	6
53+90	WB LN 1/2	16
54+60	EB LN 1/2	3
60+00	WB LN 1/2	19
60+90	FR I N 2/RT	3
63+40	EB LN 2/RT	3
64+60	EB LN 2/SHOULDER	4
70+00	EB LN 1/2	5
71+00	WB LN 1/2	7
71+45	EB LN 1/2	2
113+80	EB LN 2/SHOULDER	5
117+80	WB LN 1/2	9
120+80	EB LN 1/2	3
127+40	WB LN 1/2	4
132+20	EB LN 1/2	3
132+30	WB LN 1/LT	2
135+00	WB LN 1/2	12
140+75	EB LN 1/2	6
141+10	WB LN 1/2	4
144+40	EB LN 1/2	4
144+45	WB LN 1/2	39
151+15	WB LN 1/2	22
151+80	EB LN 1/2	3
153+40	EB LN 1/2	3
154+80	WB LN 1/2	5
158+30	WR I N 2/TAPER	3
160+15	WB LN 1/2	4
163+70	EB LN 1/2	4
165+15	EB LN 1/RT	4
OR 66 (FAP 673)		
1486+60	NB LN 1/2	1
1489+40	SB LN 1/2	1
1492+70	NB LN 1/2	4
NHPP SUBTOTAL		**249**
HSIP ROADWAY - 90% FEDERAL/10% STATE		
1497+70	SB LN 1/2	1
1501+40	NB LN 1/2	10
1501+90	SB LN 2/RT	6
1503+30	NB LN 2/SHOULDER	4
1503+50	SB LN 1/LT	4
1503+50	NB LN 1/2	4
HSIP (FAP 673) SUBTOTAL		**30**
TOTAL		**284**

SIGNAGE SCHEDULE

STATION / LOCATION	SIDE	SIGN DESCRIPTION	TYPE	SIZE (IN)	SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 2	WOOD SIGN SUPPORT	REMOVE SIGN PANEL - TYPE 1	REMOVE SIGN PANEL - TYPE 2	REMOVE SIGN PANEL ASSEMBLY - TY A	REMOVE SIGN PANEL ASSEMBLY - TY B	TELESCOPING STEEL SIGN SUPPORT
					SQ FT	SQ FT	FOOT	SQ FT	SQ FT	EACH	EACH	FOOT
IL 115 (FAP 673)												
NHPP - 80% FEDERAL/20% STATE												
ELKS CLUB ROAD	RT	STOP SIGN	R1-1	30x30	6.25					1		18
			NHPP SUBTOTAL		**7**	**0**	**0**	**0**	**0**	**1**	**0**	**18**
HSIP - 90% FEDERAL / 10% STATE												
IL 115 (FAP 673)												
162+96	RT	ONLY LEFT, SHARED THRU/RIGHT	R3-8	30x30	6.25		14.5	6.25				
164+15	RT	LIVINGSTON CO INFO SIGN		24x24	4.00		15.0			1		
		REC-PLEX		12x12	1.00							
164+81	RT	ROUTE 66 MUSEUM		24x24	4.00		15.5				1	
		WAR MUSEUM		24x24	4.00							
		LEFT ARROW		21x15	2.19							
		LEFT ARROW		21x15	2.19							
164+81	RT	IL 116 SIGN	M1-5	30x24	5.00		15.5			1		
		LEFT ARROW	M6-1	21x15	2.19							
OR 66 (FAP 673)												
1499+64	LT	BEGIN LEFT TURN LANE	R3-20	24x36	6.00		15.0				1	
		BEGIN LEFT TURN LANE	R3-20	24x36	6.00							
1502+46	LT	DO NOT ENTER	R5-1	30x30	6.25		14.5	6.25				
1503+12	LT	ONE WAY	R6-1	24x30	5.00		14.5	5.00				
1504+28	RT	ONE WAY	R6-1	24x30	5.00		14.5	5.00				
			HSIP (FAP 673) SUBTOTAL		**60**	**0**	**119**	**23**	**0**	**2**	**2**	**0**
OR 66 (FAU 6321)												
1504+97	RT	DO NOT ENTER	R5-1	30x30	6.25		16.5				1	
		"TO"		24x12	2.00							
		I-55 Sign	M1-1	24x24	4.00							
		LEFT ARROW	M6-1	21x15	2.19							
1508+17	RT	BEGIN LEFT TURN LANE	R3-20	24x36	6.00		15.0	6.00				
			HSIP (FAU 6321) SUBTOTAL		**21**	**0**	**32**	**6**	**0**	**0**	**1**	**0**
HSIP TRAFFIC SIGNALS - 90% FEDERAL / 7.5% STATE / 2.5% CITY												
IL 116 AND OR 66 SIGNAL MAST ARMS												
OLD ROUTE 66 x 2					18							
REYNOLDS ST x 2					18							
LEFT TURN YIELD x 4					20							
			SUBTOTAL		**56**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NHPP TRAFFIC SIGNALS - 80% FEDERAL / 15% STATE / 5% CITY OF PONTIAC												
IL 116 AND DEERFIELD ROAD SIGNAL MAST ARMS												
ILLINOIS 116 / REYNOLDS ST x 2				70x30		29			29			
DEERFIELD RD x 2				70x18	18			18				
LEFT TURN YIELD ON GREEN x 8			R10-12	24x30	40			40				
IL 116 AND NORMAN DRIVE/WALMART DRIVE SIGNAL MAST ARMS												
ILLINOIS 116 / REYNOLDS ST x 2				70x30		29			29			
NORMAN RD				70x18	9			9				
WALMART DR				70x18	9			9				
LEFT TURN YIELD ON GREEN x 8			R10-12	24x30	40			40				
			SUBTOTAL		**116**	**58**	**0**	**116**	**58**	**0**	**0**	**0**
			TOTAL		**260**	**58**	**151**	**145**	**58**	**3**	**3**	**18**

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USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - JWB	REVISED -	
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	26
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: N:\2024\2404672\404672\03Drawings\Mstr\CADD_Sheets\0366E54-ilh-schedule01.dgn

DRAINAGE

LOCATION/ STATION	OFFSET	PIPE CULVERTS, CLASS A, TYPE 1 15"	CONCRETE END SECTION, 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	STORM SEWERS, CLASS A, TYPE 1, 12"	STORM SEWERS, CLASS A, TYPE 2 24"	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	REATTACH END SECTION	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	PIPE ELBOW, 12"	STORM SEWERS TO BE CLEANED 12"	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	TRENCH BACKFILL
		FOOT	EACH	EACH	EACH	FOOT	FOOT	SQ YD	SQ YD	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	CU YD
IL 116 (FAP 673)																		
NHPP - 80% FEDERAL/20% STATE																		
115+84.00	LT/RT							1										
133+70.00	LT/RT			1		2		2										
147+18.00	RT			1												12		
147+94.00	RT								4	1								
156+57.00	LT/RT						59											
158+55.00	RT										1						8	
165+34.00	LT									1								
165+49.00	LT									1								
NHPP (FAP 673) SUBTOTAL		**0**	**0**	**2**	**0**	**2**	**59**	**3**	**4**	**3**	**1**	**0**	**0**	**0**	**0**	**12**	**8**	**0**
HSIP - 90% FEDERAL / 10% STATE																		
IL 116 (FAP 673)																		
164+82.00	28.0' RT										1							
164+82.00	36.4 RT	22	1															0.3
165+23.60	45.1' LT	18	1															0.2
165+28.00	37.3' LT										1							
OR 66 (FAP 673)																		
1499+47.60	0.4' RT											1						
1499+47.60	0.7' LT					2												0.1
1501+94.50	11.9' LT					4												0.2
1501+94.60	10.4' LT													1				
1501+94.70	8.4' LT					3												0.1
1501+94.80	6.8' LT												1					
HSIP (FAP 673) SUBTOTAL		**40**	**2**	**0**	**0**	**9**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**1**	**0**	**0**	**0**	**0.9**
OR 66 (FAU 6321)																		
1504+49.60	12.1' RT										1							
1504+49.60	9.1' RT											1						
1505+49.70	5.6' RT														1			0.1
1504+49.70	7.2' RT					3												0.1
1504+54.10	41.1' RT					58												7.9
1504+58.70	69.7' RT			1														
1506+01.00	12.5' RT										1							
1506+01.00	11.0' RT					3												0.6
1506+01.00	9.5' RT													1				0.4
1506+01.00	7.8' RT					2												
1506+01.00	57.8' LT	12			1													0.6
HSIP (FAU 6321) SUBTOTAL		**12**	**0**	**1**	**1**	**66**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**1**	**0**	**0**	**9.7**
TOTAL		**52**	**2**	**3**	**1**	**77**	**59**	**3**	**4**	**3**	**5**	**2**	**1**	**2**	**1**	**12**	**8**	**10.6**

DRAINAGE REMOVAL

LOCATION/ STATION	OFFSET	STORM SEWER REMOVAL, 12"	STORM SEWER REMOVAL, 24"	PIPE CULVERT REMOVAL, 15"	REMOVING INLETS	REMOVE FRAME AND GRATES (SPECIAL)	REMOVE EXISTING FLARED END SECTION	TRENCH BACKFILL
		FOOT	FOOT	FOOT	EACH	EACH	EACH	CU YD
NHPP - 80% FEDERAL/20% STATE								
IL 116 (FAP 673)								
115+84.00	LT/RT							
133+70.00	LT/RT	2					1	
147+18.00	RT							
147+94.00	RT							
156+57.00	LT/RT		59					
158+55.00	RT				1			
165+34.00	LT							
165+49.00	LT							
NHPP (FAP 673) SUBTOTAL		**2**	**59**	**0**	**1**	**0**	**1**	**0**
HSIP - 90% FEDERAL / 10% STATE								
IL 116 AND OR 66 INTERSECTION (FAP 673)								
NW QUADRANT				16	1	1		0.3
NORTH MEDIAN		21			3	3		0.3
HSIP (FAP 673) SUBTOTAL		**21**	**0**	**16**	**4**	**4**	**0**	**0.6**
IL 116 AND OR 66 INTERSECTION (FAU 6321)								
SW QUADRANT				15	1	1		0.3
SE QUADRANT				12				
SOUTH MEDIAN		15			3	3		0.3
HSIP (FAU 6321) SUBTOTAL		**15**	**0**	**27**	**4**	**4**	**0**	**0.6**
TOTAL		**38**	**59**	**43**	**9**	**8**	**1**	**1.2**

UTILITY ADJUSTMENTS

STATION	SIDE	WATER VALVES TO BE ADJUSTED	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED
		EACH	EACH	EACH
HSIP - 90% FEDERAL / 10% STATE				
IL 116 (FAP 673)				
164+00.00	RT			1
164+04.00	RT		1	
164+20.00	RT	1		
165+29.00	LT		1	
168+09.00	LT			1
168+10.00	RT			1
168+11.00	RT		1	
168+58.00	RT	1		
OR 66 (FAP 673)				
1499+48.00	LT		1	1
1501+94.00	LT			1
HSIP (FAP 673) TOTAL		**2**	**4**	**5**
OR 66 (FAU 6321)				
1506+01.00	RT		1	
HSIP (FAU 6321) TOTAL			**1**	
TOTAL		**2**	**5**	**5**

INLET AND PIPE PROTECTION

STATION	OFFSET	EACH
HSIP - 90% FEDERAL / 10% STATE		
IL 116 (FAP 673)		
164+04.00	35' RT	1
168+11.00	39' RT	1
OR 66 (FAP 673)		
1497+01.00	5' RT	1
1499+48.00	1' LT	1
HSIP (FAP 673) SUBTOTAL		**4**
OR 66 (FAU 6321)		
1504+44.00	92' RT	1
1504+51.00	77' LT	1
1504+57.00	77' RT	1
HSIP (FAU 6321) SUBTOTAL		**3**
TOTAL		**7**

GRADING AND SHAPING DITCHES

LOCATION			GRADING AND SHAPING DITCHES
STATION	STATION	SIDE	FOOT
HSIP - 90% FEDERAL / 10% STATE			
IL 116 (FAP 673)			
164+00.00	165+50.00	RT	150
TOTAL			**150**

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USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - JWB	REVISED -
PLOT DATE = 7/12/2024	DATE - 07/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	27

CONTRACT NO. 66E54

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: h:\2024\240467\240467.03\Drawings\Main\CADD_Sheets\D366E54-sh-sched01.dgn

AGGREGATE FOR TEMPORARY ACCESS

LOCATION STATION +/-	LOCATION SIDE	TYPE	WIDTH	LENGTH FOOT +/-	THICKNESS	TON
HSIP - 90% FEDERAL / 10% STATE						
IL 116 (FAP 673)						
162+52	RT	CE	33	21	0.5	27
163+54	RT	CE	35	16	0.5	22
					TOTAL	49

REMOVAL OF THE TEMPORARY AGGREGATE IS TO BE CONSIDERED INCLUDED IN THE COST OF AGGREGATE FOR TEMPORARY ACCESS.

LENGTHS MAY VARY DUE TO FIELD REQUIREMENTS.
WIDTHS OF ENTRANCES SHOULD MATCH EXISTING ENTRANCES.

LANDSCAPING

LOCATION STATION	LOCATION STATION	SODDING SQ YD	SEEDING, CLASS 2A ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	EROSION CONTROL BLANKET SQ YD	SUPPLEMENTAL WATERING UNIT	PERIMETER EROSION BARRIER FOOT	TOPSOIL FURNISH AND PLACE, 4" SQ YD
IL 116										
NHPP - 80% FEDERAL/20% STATE										
63+10.00	63+29.00	12		1	1	1		0.2		
122+94.00	123+04.00	12		1	1	1		0.2		
1450 E ROAD		12		1	1	1		0.2		
ELKS CLUB ROAD		14		1	1	1		0.2		
158+31.17	158+65.45	13		1	1	1		0.2		
158+71.00	159+09.99	17		1	1	1		0.2		
OR 66										
1496+95.51	1497+04.51		0.25	1	1	1	2			2
	SUBTOTAL	80	0.25	7	7	7	2	1.2	0	2
HSIP - 90% FEDERAL / 10% STATE										
IL 116 AND OR 66 INTERSECTION (FAP 673)										
NW QUADRANT		98	0.25	19	19	19	1,008	5		
NE QUADRANT		108	0.10	10	10	10	526	5		
NORTH MEDIAN			0.10	9	9	9	309			
HSIP (FAP 673) SUBTOTAL		206	0.45	38	38	38	1,843	10	0	0
IL 116 AND OR 66 INTERSECTION (FAU 6321)										
SW QUADRANT		199	0.10	11	11	11	703	9		
SE QUADRANT		140	0.10	11	11	11	586	7	73	
SOUTH MEDIAN			0.10	9	9	9	506			
HSIP (FAU 6321) SUBTOTAL		339	0.30	31	31	31	1,795	16	73	0
TOTAL		625	1	76	76	76	3,640	27.2	73	2

BITUMINOUS MATERIALS AND JOINT SEALANT

LOCATION STATION	LOCATION STATION	BITUMINOUS MATERIAL (PRIME COAT) POUND	BITUMINOUS MATERIAL (TACK COAT) POUND	LONGITUDINAL JOINT SEALANT FOOT
IL 116 (FAP 673)				
STBG - 80% FEDERAL/20% STATE				
34+58.99	43+00.00		4,545	3,471
	SUBTOTAL	0	4,545	3,471
NHPP - 80% FEDERAL/20% STATE				
43+00.00	47+00.00		2,882	2,537
47+00.00	48+70.12		944	851
48+70.12	51+19.87		1,349	1,000
51+19.87	62+00.00		7,055	6,044
62+00.00	117+00.00		10,151	8,247
117+00.00	132+00.00		9,570	8,042
132+00.00	147+00.00		6,936	5,284
147+00.00	147+15.45		56	31
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99				
148+30.99	160+00.00		4,641	3,515
OR 66 (FAP 673)				
1486+23.57	1493+00.00		3,185	2,706
1493+00.00	1497+00.00		1,990	1,845
	SUBTOTAL	0	48,759	40,102
HSIP - 90% FEDERAL / 10% STATE				
IL 116 (FAP 673)				
160+00.00	165+00.00		1,971	1,500
167+50.00	173+28.00		2,132	1,734
OR 66 (FAP 673)				
1497+00.00	1502+46.00	1,045	2,741	2,080
INTERSECTION (FAP 673)				
IL 116 & OR 66 INTERSECTION		252	1,247.5	953.5
HSIP (FAP 673) SUBTOTAL		1,297	8,091.5	6,267.5
OR 66 (FAU 6321)				
1505+00.00	1510+27.00	1,071	2,475	2,040
INTERSECTION (FAU 6321)				
IL 116 & OR 66 INTERSECTION		252	1,247.5	953.5
HSIP (FAU 6321) SUBTOTAL		1,323	3,722.5	2,993.5
TOTAL		2,620	65,118	52,834

PAVEMENT REMOVAL

LOCATION STATION	LOCATION STATION	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 3" SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL (DECK) SQ YD	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	MEDIAN REMOVAL	PAVED SHOULDER REMOVAL
IL 116 (FAP 673)								
STBG - 80% FEDERAL/20% STATE								
34+58.99	43+00.00	6,733						
	STBG SUBTOTAL	6,733	0	0	0	0	0	0
NHPP - 80% FEDERAL/20% STATE								
43+00.00	47+00.00	4,269						
47+00.00	48+70.12	1,399						
48+70.12	51+19.87			1,998				
51+19.87	62+00.00	10,452						
62+00.00	112+33.48	10,779						
112+33.48	117+00.00		4,231			89		
117+00.00	132+00.00		14,178			12		
132+00.00	147+00.00		10,275			12		
147+00.00	147+15.46		83					
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99								
148+30.99	160+00.00		6,875			69		
1450 E ROAD						116		
ELKS CLUB ROAD						93		
OR 66 (FAP 673)								
1486+23.57	1493+00.00	4,718						
1493+00.00	1497+00.00	2,947				9		
	NHPP SUBTOTAL	34,564	35,642	1,998	0	400	0	0
HSIP - 90% FEDERAL / 10% STATE								
IL 116 (FAP 673)								
160+00.00	165+00.00		2,326					
167+50.00	173+28.00		3,161					
OR 66 (FAP 673)								
1497+00.00	1502+46.00	4,042						
IL 116 AND OR 66 INTERSECTION (FAP 673)								
NW QUADRANT					244	243		77
NE QUADRANT					219	190		59
NORTH MEDIAN						1,221	2,519	
HSIP (FAP 673) SUBTOTAL		4,042	6,387	0	463	1,654	2,519	136
OR 66 (FAU 6321)								
1505+00.00	1510+27.00	3,729						
IL 116 AND OR 66 INTERSECTION (FAU 6321)								
SW QUADRANT					269	232		35
SE QUADRANT					268	189		47
SOUTH MEDIAN		3,480				1,112	3,455	22
HSIP (FAU 6321) SUBTOTAL		7,209	0	0	537	1,533	3,455	104
TOTAL		52,548	41,729	1,998	1,000	3,587	5,974	240

PAVEMENT

LOCATION		POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE , IL-9.5, N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	MATERIAL TRANSFER DEVICE	SUBBASE GRANULAR MATERIAL, TYPE B 4"	HOT-MIX ASPHALT BASE COURSE, 9"	HOT-MIX ASPHALT SHOULDERS	AGGREGATE SHOULDERS, TYPE B 6"	AGGREGATE WEDGE SHOULDER, TYPE B
STATION	STATION	TON	TON	TON	TON	SQ YD	SQ YD	TON	SQ YD	TON
IL 116 (FAP 673)										
STBG - 80% FEDERAL/20% STATE										
34+58.99	43+00.00	290		434	724			220		46
	STBG SUBTOTAL	**290**	**0**	**434**	**724**	**0**	**0**	**220**	**0**	**46**
NHPP - 80% FEDERAL/20% STATE										
43+00.00	47+00.00	186		278	464			135		27
47+00.00	48+70.12	59		88	147			50		7
48+70.12	51+19.87	81		121	202			80		
51+19.87	62+00.00	459		688	1,147			317		63
62+00.00	112+33.48	522		785	1,307			205		40
112+33.48	117+00.00		278	278	556			157		24
117+00.00	132+00.00		943	943	1,886			498		78
132+00.00	147+00.00		715	715	1,430			297		42
147+00.00	147+15.46		7	7	14					
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99										
148+30.99	160+00.00		578	578	1,156					
OR 66 (FAP 673)										
1486+23.57	1493+00.00	265		397	662					70
1493+00.00	1497+00.00	166		248	414					29
	NHPP SUBTOTAL	**1,738**	**2,521**	**5,126**	**9,385**	**0**	**0**	**1,739**	**0**	**380**
HSIP - 90% FEDERAL / 10% STATE										
IL 116 (FAP 673)										
160+00.00	165+00.00		246	246	492					
167+50.00	173+28.00		266	266	532					
OR 66 (FAP 673)										
1497+00.00	1502+46.00	251		377	628	559	435	47	120	22
INTERSECTION (FAP 673)										
IL 116 & OR 66 INTERSECTION		104		155.5	259.5	125	108			
	HSIP (FAP 673) SUBTOTAL	**355**	**512**	**1,044.5**	**1,912**	**684**	**543**	**47**	**120**	**22**
OR 66 (FAU 6321)										
1505+00.00	1510+27.00	235		353	588	560	447	56	55	24
INTERSECTION (FAU 6321)										
IL 116 & OR 66 INTERSECTION		104		155.5	259.5	125	108			
	HSIP (FAU 6321) SUBTOTAL	**339**	**0**	**508.5**	**848**	**685**	**555**	**56**	**55**	**24**
	TOTAL	**2,722**	**3,033**	**7,113**	**12,868**	**1,369**	**1,098**	**2,062**	**175**	**472**

EARTHWORK

LOCATION			EARTH EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	SUITABLE EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTH BALANCE WASTE(+) OR SHORTAGE(-)
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
HSIP - 90% FEDERAL / 10% STATE							
OR 66 (FAP 673)							
1497+36	TO	1501+05	142		107		107
IL 116 AND OR 66 INTERSECTION (FAP 673)							
NW QUADRANT						294	-294
NE QUADRANT						303	-303
HSIP (FAP 673) SUBTOTAL			**142**		**107**	**597**	**-490**
IL 116 AND OR 66 INTERSECTION (FAU 6321)							
1507+03	TO	1509+69	105		79		79
SW QUADRANT						500	-500
SE QUADRANT						381	-381
HSIP (FAU 6321) SUBTOTAL			**105**		**79**	**881**	**-802**
TOTAL			**247**		**186**	**1,478**	**-1,292**

NOTES:
SHRINKAGE FACTOR = 25%
THE TOP 4 INCHES OF EMBANKMENT SHALL CONSIST OF VEGETATION SUSTAINING SOIL

SIDEWALK AND CURB RAMPS

LOCATION	SIDEWALK REMOVAL	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS	AGGREGATE BASE COURSE, TYPE B 6"	ACCESSIBLE PEDESTRIAN SIGNALS
	SQ FT	SQ FT	SQ FT	SQ YD	EACH
IL 116 (FAP 673)					
NHPP - 80% FEDERAL/20% STATE					
1450 E ROAD	119	203	55	10	
ELKS CLUB ROAD	92	147	20	5	
NHPP SUBTOTAL	**211**	**350**	**75**	**15**	**0**
HSIP - 90% FEDERAL / 10% STATE					
IL 116 AND OR 66 INTERSECTION (FAP 673)					
NW	65	338	20		
NE	229	440	20		
HSIP (FAP 673) SUBTOTAL	**294**	**778**	**40**	**0**	**0**
IL 116 AND OR 66 INTERSECTION (FAU 6321)					
SW		981	20		
SE	5	1,490	20		
HSIP (FAU 6321) SUBTOTAL	**5**	**2,471**	**40**	**0**	**0**
HSIP TRAFFIC SIGNALS - 90% FEDERAL / 7.5% STATE / 2.5% CITY					
IL 116 AND OR 66 INTERSECTION					
NW					2
NE					2
SW					2
SE					2
SUBTOTAL	**0**	**0**	**0**	**0**	**8**
TOTAL	**510**	**3,599**	**155**	**15**	**8**

CURB AND GUTTER

LOCATION		COMBINATION CURB AND GUTTER TYPE B-6.12	COMBINATION CURB AND GUTTER TYPE B-6.24	COMBINATION CURB AND GUTTER TYPE B-9.24
STATION	STATION	FOOT	FOOT	FOOT
IL 116 (FAP 673)				
NHPP - 80% FEDERAL/20% STATE				
62+00.00	117+00.00			89
117+00.00	132+00.00			12
132+00.00	147+00.00			12
1450 E ROAD			116	
ELKS CLUB ROAD			93	
BRIDGE OMISSION: STA 147+15.46 TO STA 148+30.99				
148+30.99	160+00.00		69	
OR 66 (FAP 673)				
1493+00.00	1497+00.00		9	
NHPP SUBTOTAL		**0**	**287**	**113**
HSIP - 90% FEDERAL / 10% STATE				
IL 116 AND OR 66 INTERSECTION (FAP 673)				
NW QUADRANT			260	
NE QUADRANT			230	
NORTH MEDIAN		591	591	
HSIP (FAP 673) SUBTOTAL		**591**	**1,081**	**0**
IL 116 AND OR 66 INTERSECTION (FAU 6321)				
SW QUADRANT			256	
SE QUADRANT			214	
SOUTH MEDIAN		532	532	
HSIP (FAU 6321) SUBTOTAL		**532**	**1,002**	**0**
TOTAL		**1,123**	**2,370**	**113**

CONCRETE MEDIANS

LOCATION		AGGREGATE BASE COURSE, TYPE B 4"	CONCRETE MEDIAN SURFACE, 4 INCH
STATION	STATION	SQ YD	SQ FT
HSIP - 90% FEDERAL / 10% STATE			
OR 66 (FAP 673)			
1500+37.00	1502+99.00	75	670
HSIP (FAP 673) SUBTOTAL		**75**	**670**
OR 66 (FAU 6321)			
1504+45.00	1507+50.00	110	982
HSIP (FAU 6321) SUBTOTAL		**110**	**982**
TOTAL		**185**	**1,652**

TEMPORARY PAVEMENT MARKING

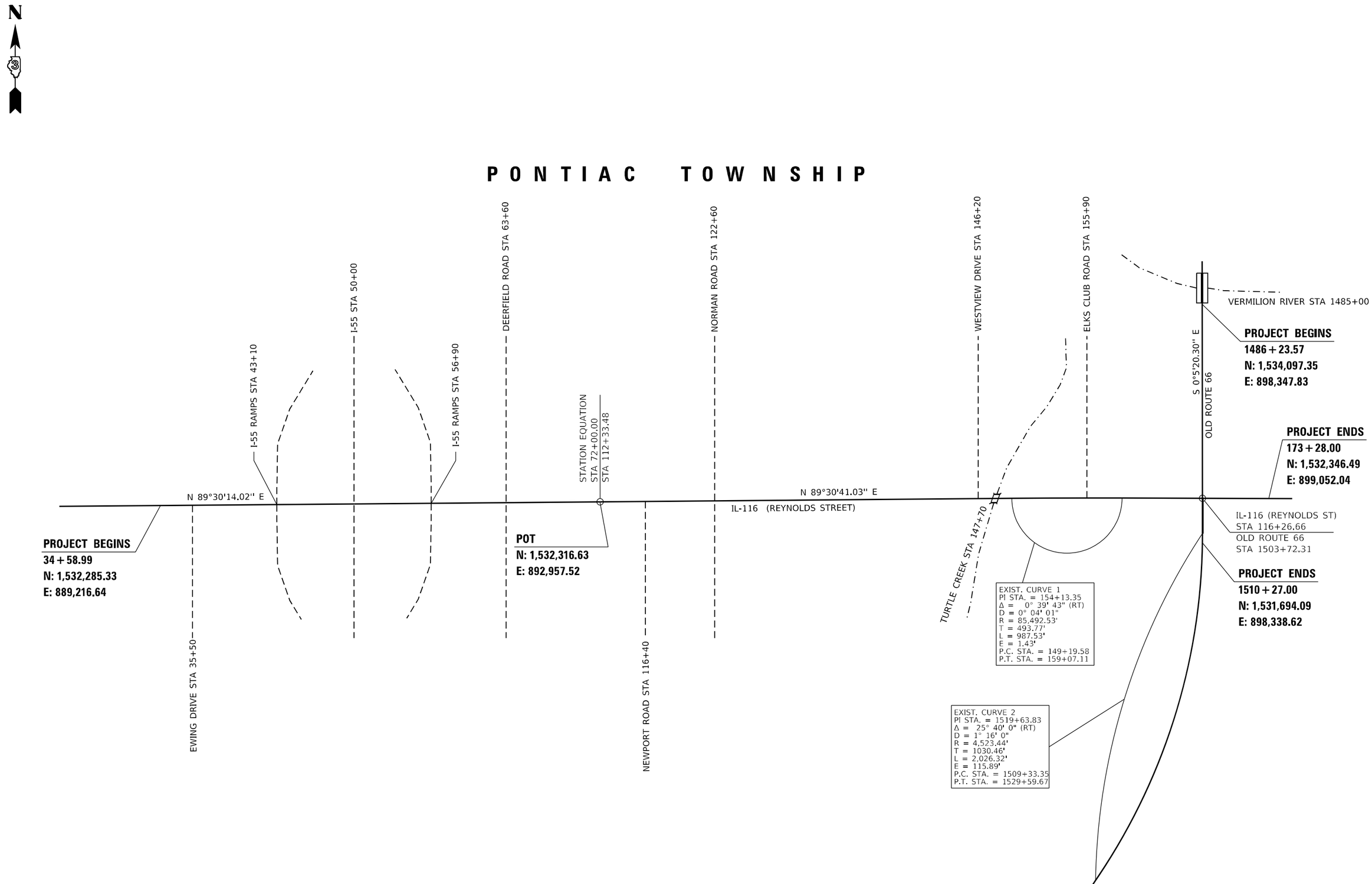
LOCATION	TEMPORARY PAVEMENT MARKING - TYPE IV TAPE								PAVEMENT MARKING REMOVAL - WATER BLASTING
	4" SOLID YELLOW	4" SOLID WHITE	6" DASHED WHITE	8" SOLID WHITE	8" DOTTED WHITE	12" SOLID WHITE	24" SOLID WHITE	LETTERS AND SYMBOLS	
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT
HSIP - 90% FEDERAL / 10% STATE									
IL 116 AND OR 66 INTERSECTION (FAP 673)									
STAGE I	1,714	333.5		200	39		37.5	41.5	1,440
STAGE II	2,009	2,910	142	851.5	74.5	99	50	80	618.5
STAGE III	1,300.5	833.5							2,467.5
HSIP (FAP 673) SUBTOTAL	**5,023.5**	**4,077**	**142**	**1,052**	**113.5**	**99**	**87.5**	**121.5**	**4,526**
IL 116 AND OR 66 INTERSECTION (FAU 6321)									
STAGE I	1,714	333.5		200	39		37.5	41.5	1,440
STAGE II	2,009	2,910	142	851.5	74.5	99	50	80	618.5
STAGE III	1,300.5	833.5							2,467.5
HSIP (FAU 6321) SUBTOTAL	**5,023.5**	**4,077**	**142**	**1,052**	**113.5**	**99**	**87.5**	**121.5**	**4,526**
TOTAL	**18,201**		**284**	**2,330**		**198**	**175**	**243**	**9,052**

IL 116/OR 66 INTERSECTION PAVEMENT MARKINGS

LOCATION	THERMOPLASTIC						PREFORMED PLASTIC, TYPE D - STANDARD					GROOVING FOR RECESSED PAVEMENT MARKINGS						RAISED REFLECTIVE PAVEMENT MARKERS		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	CURB REFLECTORS - AMBER
	4" SOLID (DBL) YELLOW MEDIAN	4" SOLID YELLOW EDGE	4" SOLID WHITE EDGE	12" SOLID WHITE MEDIAN	12" SOLID YELLOW MEDIAN	LETTERS AND SYMBOLS WHITE -	6" SOLID WHITE CROSSWALK	8" SOLID WHITE AUX LANE	8" DOTTED WHITE AUX LANE	9" CONTRAST DASHED WHITE LANE LINE	24" SOLID WHITE STOP BAR	5"	7"	9"	10"	13"	25"	WHITE ONE-WAY	AMBER TWO-WAY		
	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH
HSIP - 90% FEDERAL / 10% STATE																					
IL 116 AND OR 66 INTERSECTION (FAP 673)																					
NORTH LEG		1,207	1,291	248		108	206	912	97	300	52	2,498	206	1,009	300	248	52	38		21	23
EAST LEG	2,100		1,232	136	192	168	133	688	78	50	36	3,332	133	766	50	328	36	19	33		
WEST LEG	2,156		1,083	161	71	112	135	578	39	90	35	3,239	135	617	90	232	35	18	33	24	
HSIP (FAP 673) SUBTOTAL	**4,256**	**1,207**	**3,606**	**545**	**263**	**388**	**474**	**2,178**	**214**	**440**	**123**	**9,069**	**474**	**2,392**	**440**	**808**	**123**	**75**	**66**	**45**	**23**
IL 116 AND OR 66 INTERSECTION (FAU 6321)																					
SOUTH LEG		1,181	1,269	248		90	187	785	48	290	49	2,450	187	833	290	248	49	34		21	26
HSIP (FAU 6321) SUBTOTAL		**1,181**	**1,269**	**248**		**90**	**187**	**785**	**48**	**290**	**49**	**2,450**	**187**	**833**	**290**	**248**	**49**	**34**		**21**	**26**
TOTAL	**11,519**			**1,056**		**478**	**661**	**3,225**		**730**	**172**	**11,519**	**661**	**3,225**	**730**	**1,056**	**172**	**175**		**66**	**49**

IL 116/OR 66 PAVEMENT MARKINGS

LOCATION		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LETTER AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 8"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING, 5"	GROOVING FOR RECESSED PAVEMENT MARKING, 7"	GROOVING FOR RECESSED PAVEMENT MARKING, 9"	GROOVING FOR RECESSED PAVEMENT MARKING, 13"	GROOVING FOR RECESSED PAVEMENT MARKING, 25"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	FOOT	FOOT	SF	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SF	FOOT	FOOT	FOOT	FOOT	FOOT
IL 116 (FAP 673)																	
STBG - 80% FEDERAL/20% STATE																	
34+58.99	43+00.00	3,477	96	102		199	334		22	102	3,477	199	334	96	22	86	86
	SUBTOTAL	**3,477**	**96**	**102**	**0**	**199**	**334**	**0**	**22**	**102**	**3,477**	**199**	**334**	**96**	**22**	**86**	**86**
NHPP - 80% FEDERAL/20% STATE																	
43+00.00	47+00.00	1,674	6	94		200	255		17	94	1,674	200	255	6	17	54	54
47+00.00	62+00.00	6,105	54	195		750	656		43	195	6,105	750	656	54	43	178	178
62+00.00	117+00.00	5,308		219		684	625		199	219	5,308	684	625		199	207	207
117+00.00	132+00.00	5,511	72	180		693	841		105	180	5,511	693	841	72	105	178	178
132+00.00	147+00.00	6,556	128			750	20				6,556	750	20	128		149	149
147+00.00	160+00.00	6,328	214		756	651	4	59	25		7,083	651	4	273	25	134	134
OR 66 (FAP 673)																	
1486+23.57	1493+00.00	2,706				339					2,706	339				67	67
1493+00.00	1497+00.00	1,472		16		200	40			16	1,472	200	40			70	70
	SUBTOTAL	**35,660**	**474**	**704**	**756**	**4,267**	**2,441**	**59**	**389**	**704**	**36,415**	**4,267**	**2,441**	**533**	**389**	**1,037**	**1,037**
	TOTAL	**39,137**	**570**	**806**	**756**	**4,466**	**2,775**	**59**	**411**	**806**	**39,892**	**4,466**	**2,775**	**629**	**411**	**1,123**	**1,123**



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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 800'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

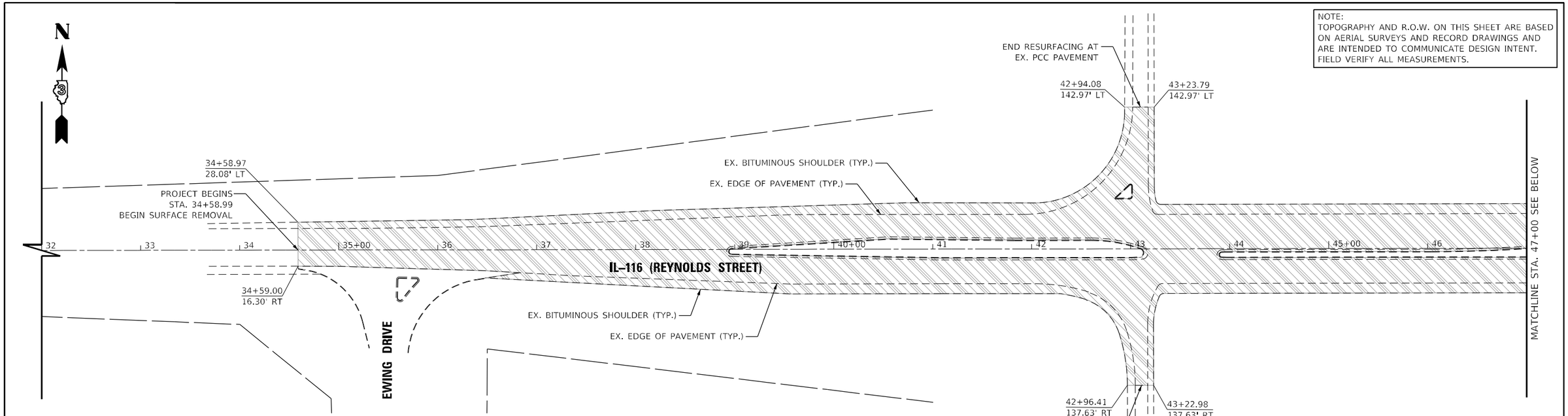
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-116 AND OR 66 LINE DIAGRAM

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

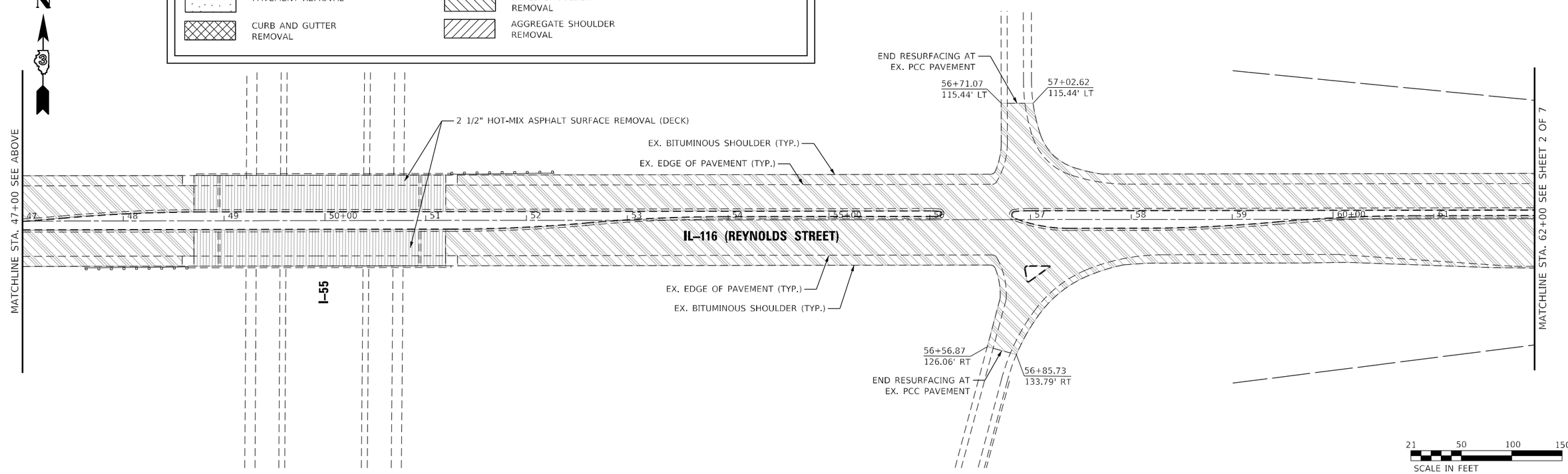
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	31
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- DRIVEWAY REMOVAL
- UTILITY REMOVAL



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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

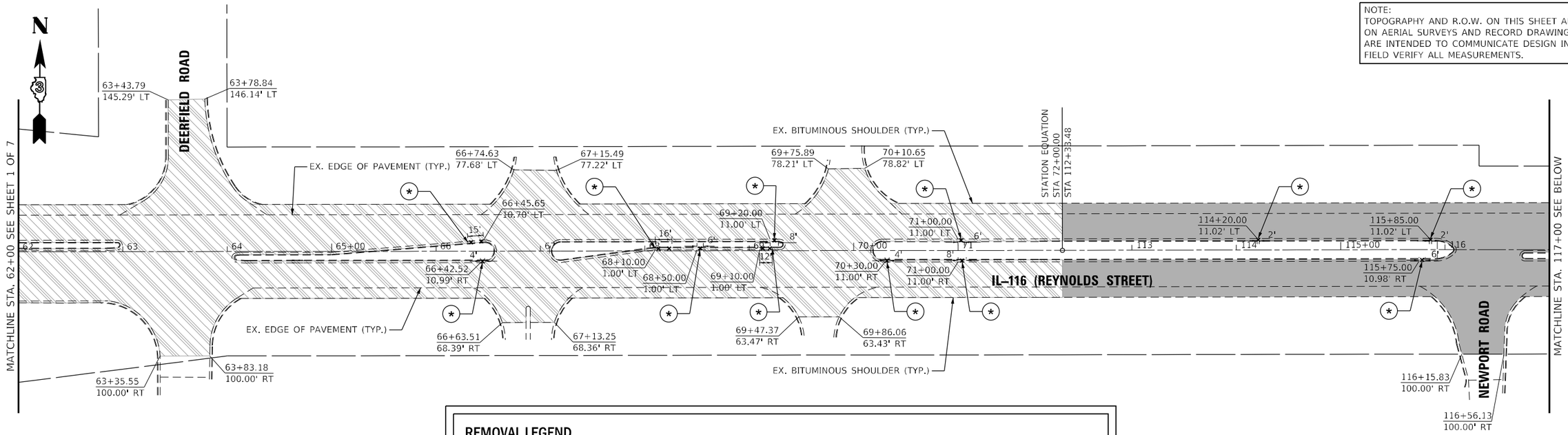
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 1 OF 7 SHEETS | STA. 32+00.00 TO STA. 62+00.00

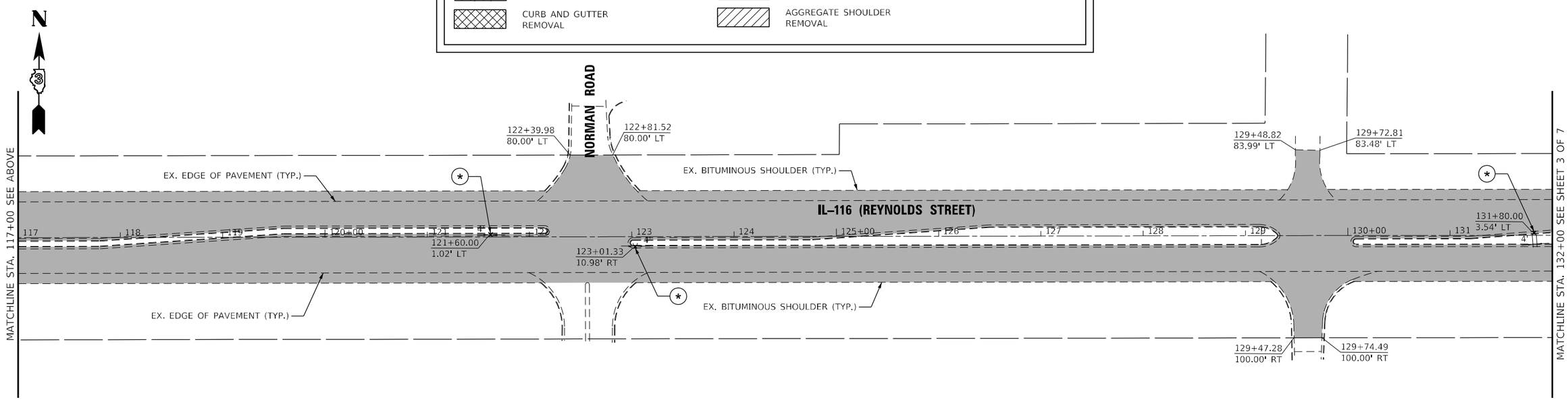
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	32
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- DRIVEWAY REMOVAL
- UTILITY REMOVAL



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630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

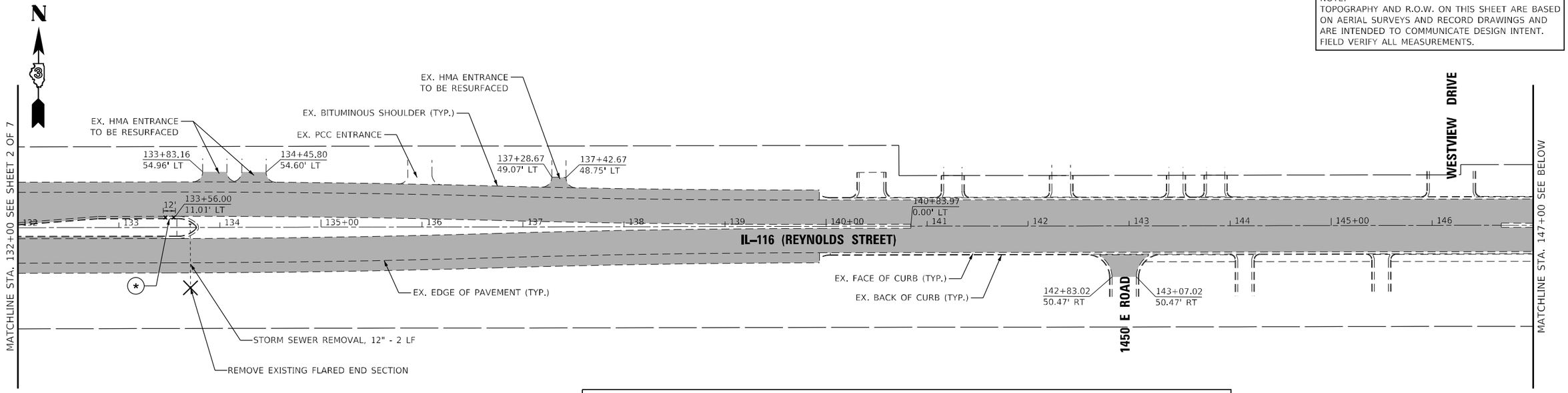
REMOVAL PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 2 OF 7 SHEETS | STA. 62+00.00 TO STA. 132+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	33

CONTRACT NO. 66E54
ILLINOIS | FED. AID PROJECT

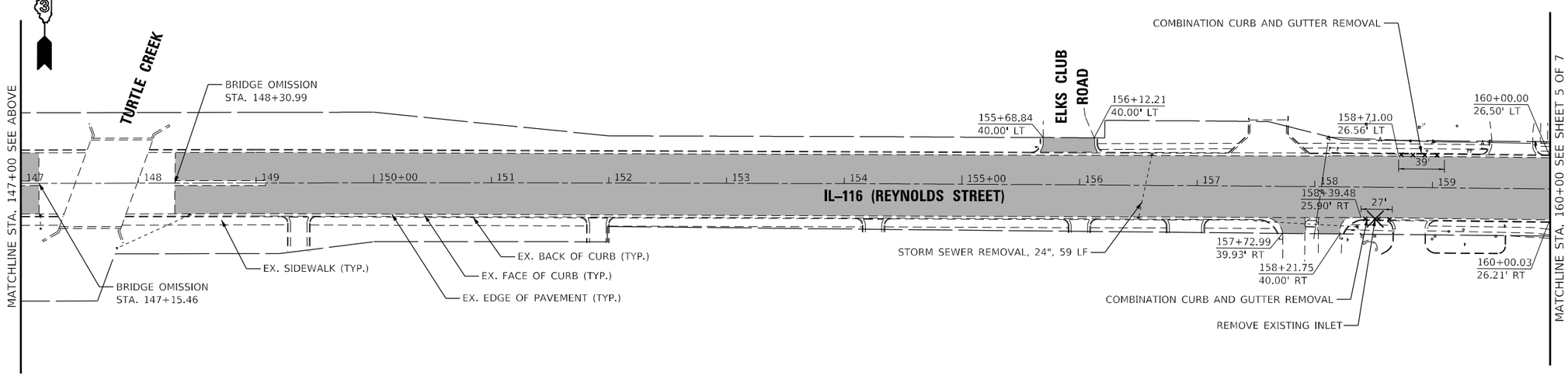
NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



(*) — COMBINATION CURB AND GUTTER REMOVAL

REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- DRIVEWAY REMOVAL
- UTILITY REMOVAL



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SCALE IN FEET

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	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

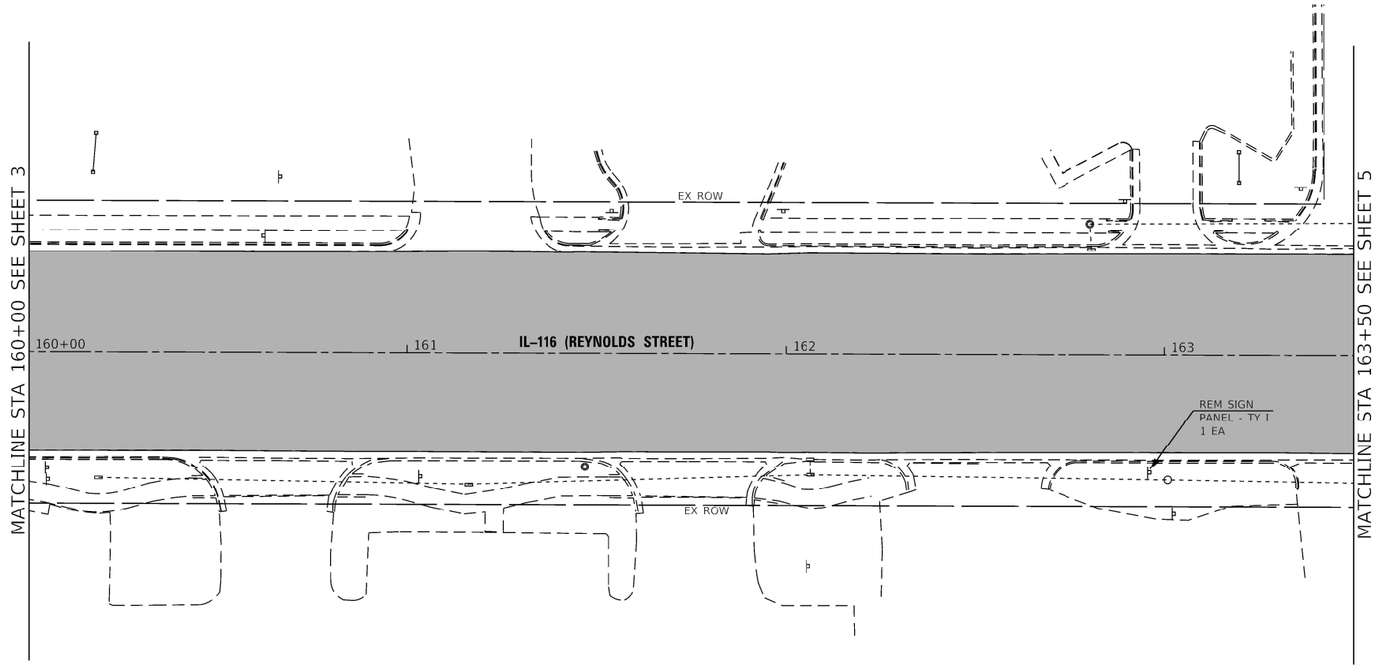
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 3 OF 7 SHEETS | STA. 132+00.00 TO STA. 160+00.00

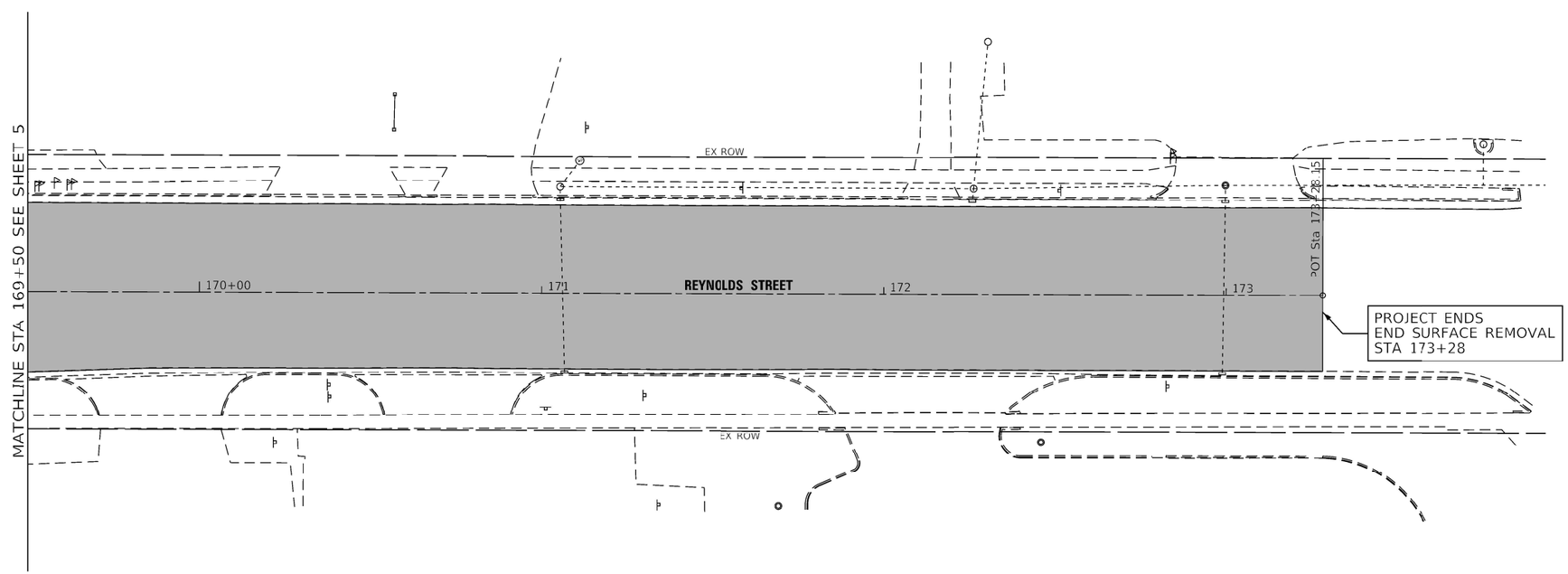
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	34

CONTRACT NO. 66E54
ILLINOIS FED. AID PROJECT



REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- UTILITY REMOVAL



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Hutchison Engineering, Inc.

USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 116 / REYNOLDS ST

SCALE: | SHEET 4 OF 7 SHEETS | STA. | TO STA.

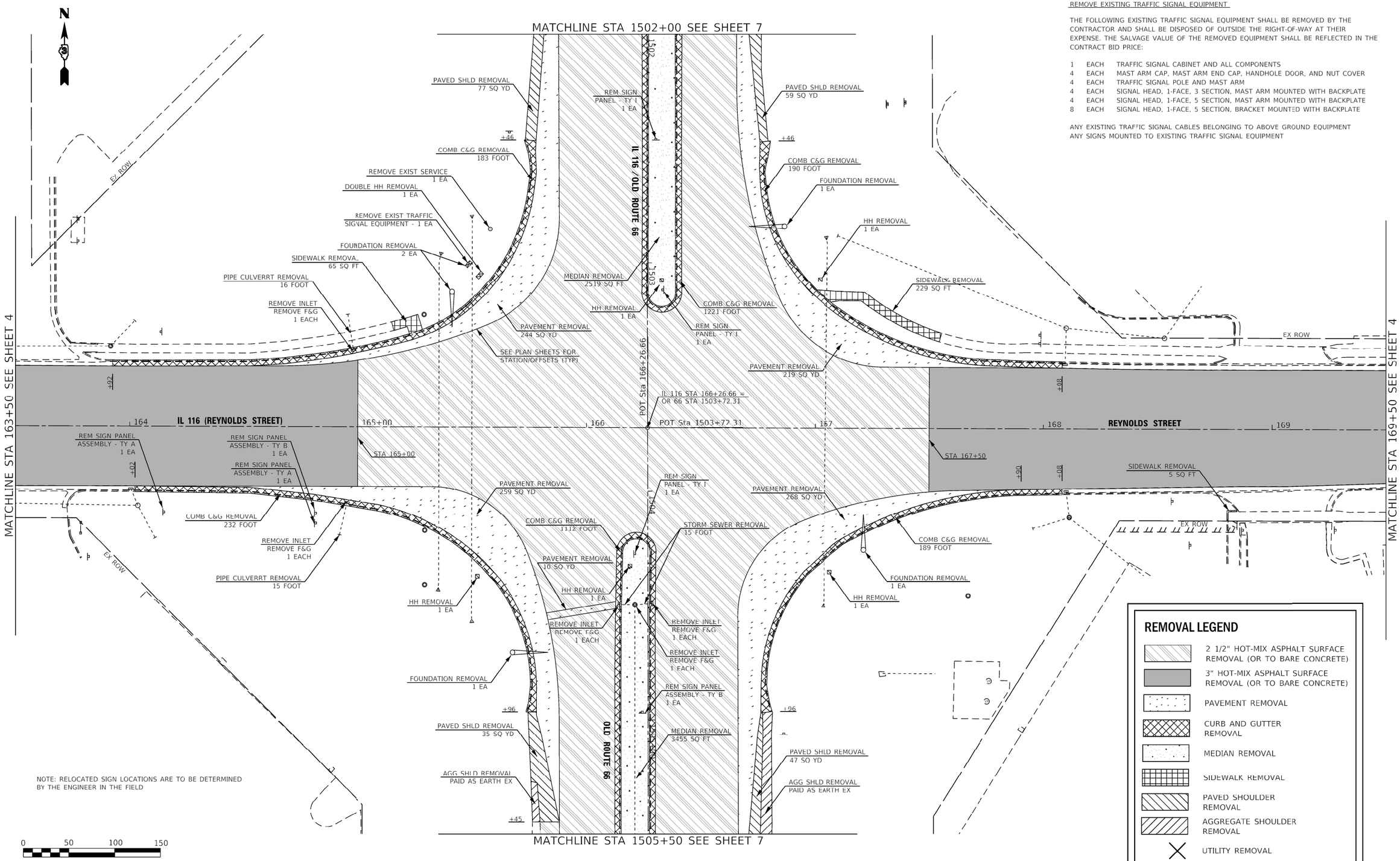
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	35
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

1	EACH	TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
4	EACH	MAST ARM CAP, MAST ARM END CAP, HANDHOLE DOOR, AND NUT COVER
4	EACH	TRAFFIC SIGNAL POLE AND MAST ARM
4	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED WITH BACKPLATE
4	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED WITH BACKPLATE
8	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED WITH BACKPLATE

ANY EXISTING TRAFFIC SIGNAL CABLES BELONGING TO ABOVE GROUND EQUIPMENT
ANY SIGNS MOUNTED TO EXISTING TRAFFIC SIGNAL EQUIPMENT



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Hutchison Engineering, Inc.

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

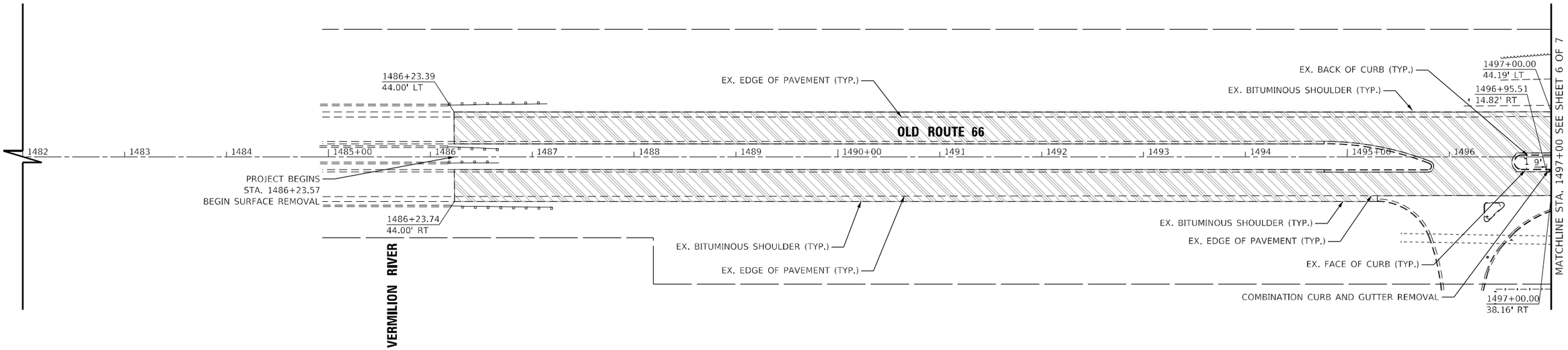
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	36

CONTRACT NO. 66E54
ILLINOIS | FED. AID PROJECT



REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- DRIVEWAY REMOVAL
- UTILITY REMOVAL

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.

21 50 100 150
SCALE IN FEET

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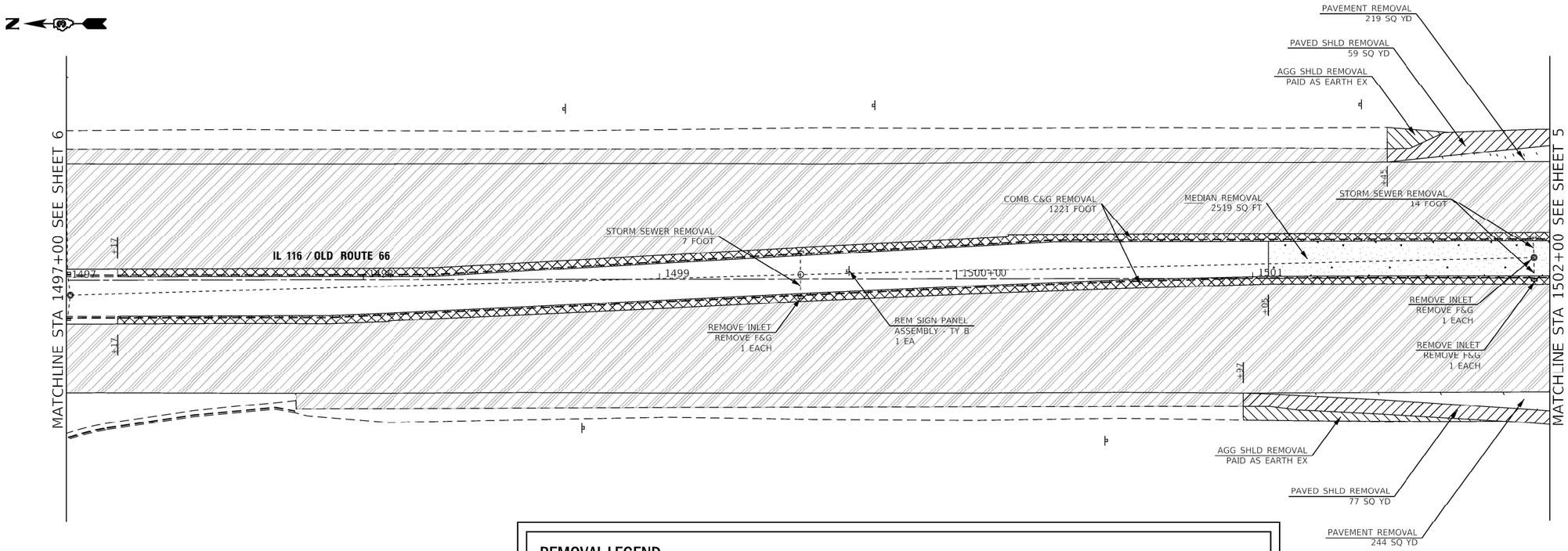
	DRAWN - DRP	REVISED -
PLOT SCALE = 100'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
OR 66

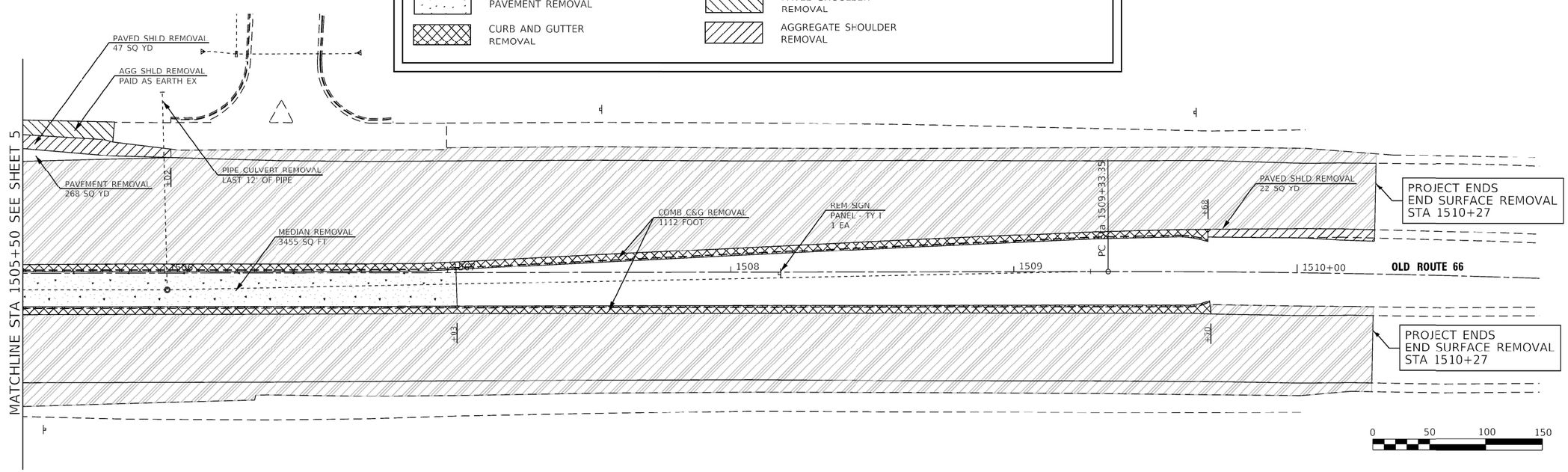
SCALE: 1"=50' | SHEET 6 OF 7 SHEETS | STA. 1482+00.00 TO STA. 1497+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	37
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		



REMOVAL LEGEND

- 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- 3" HOT-MIX ASPHALT SURFACE REMOVAL (OR TO BARE CONCRETE)
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- AGGREGATE SHOULDER REMOVAL
- UTILITY REMOVAL



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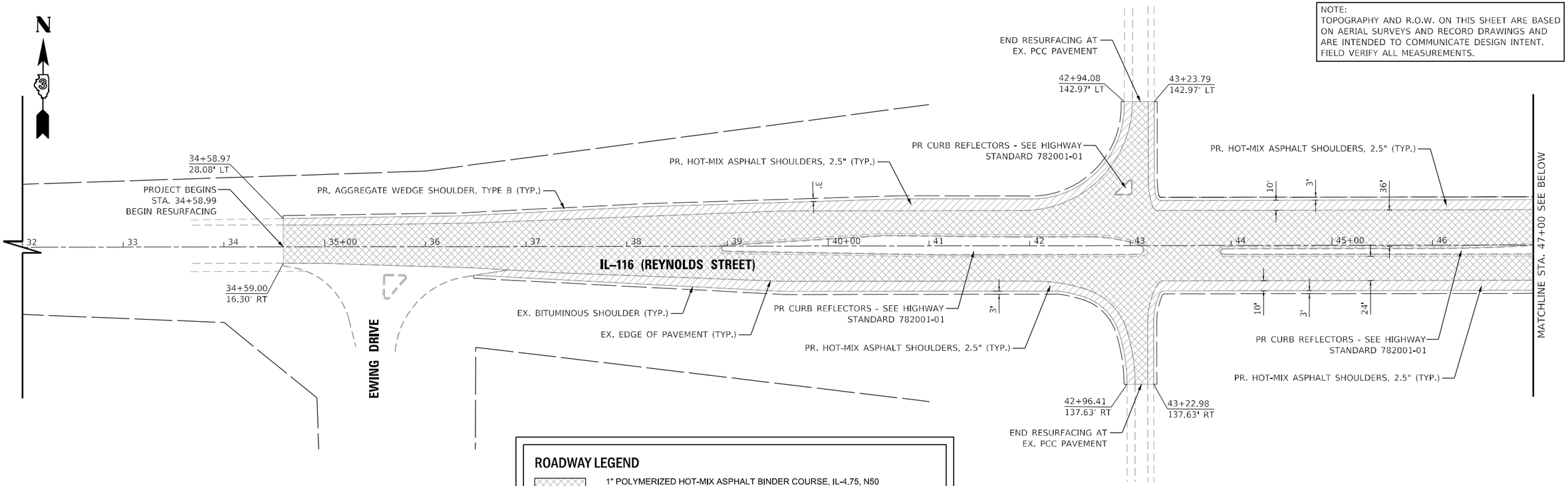
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	38
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54		
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

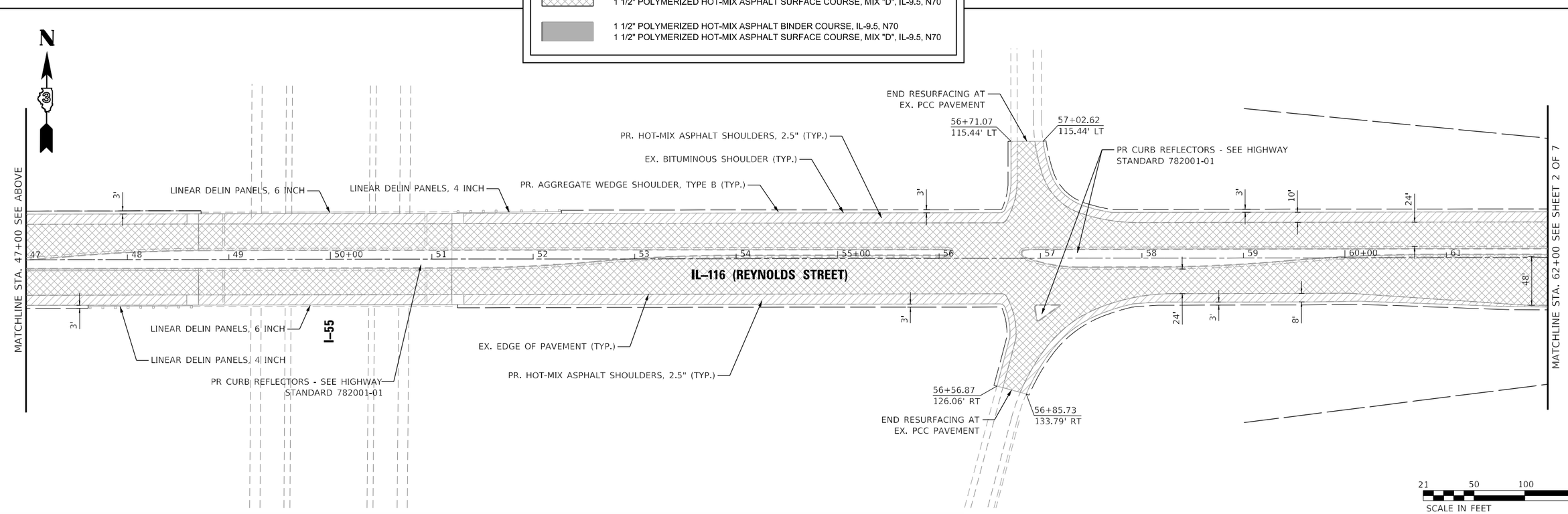
NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70



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USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 7/1/2024	DATE - 07/02/2024	REVISED -	

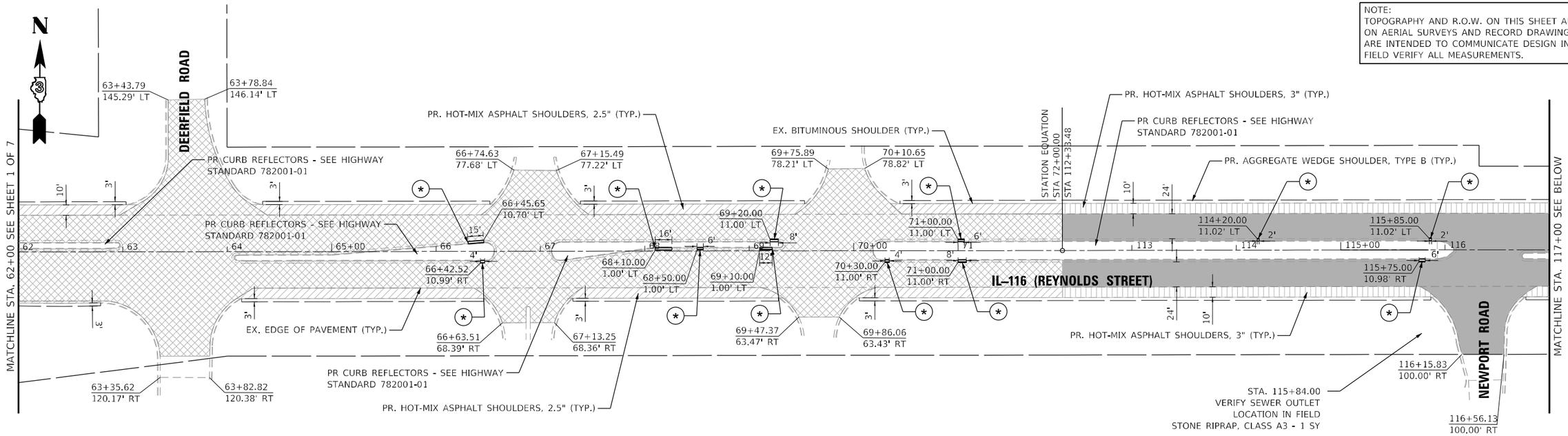
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 1 OF 7 SHEETS | STA. 32+00.00 TO STA. 62+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	39
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.

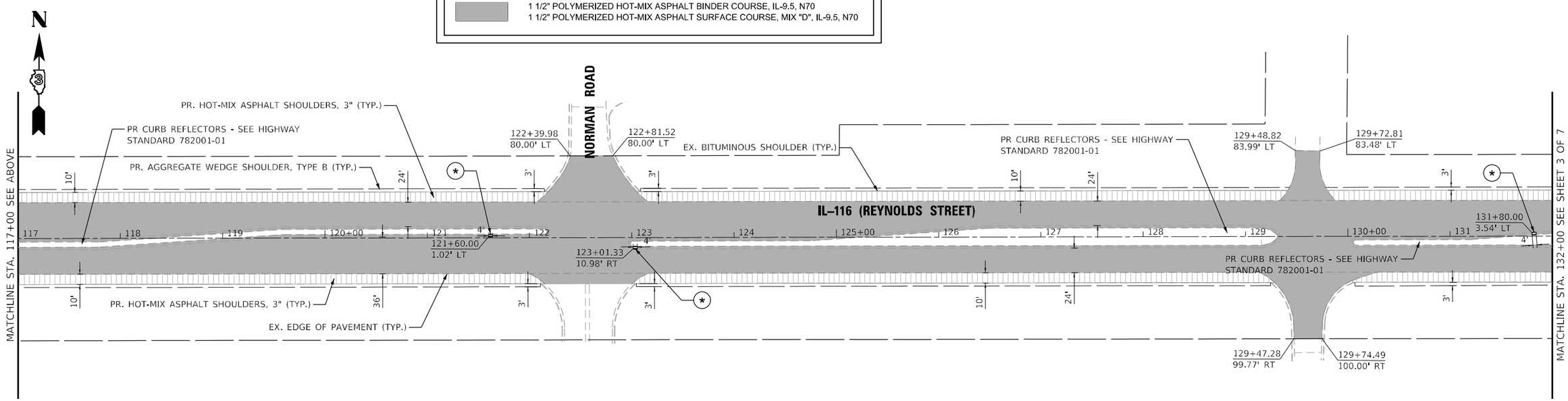


(*) — COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24

ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70



(*) — COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24

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SCALE IN FEET

MODEL: Default
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	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 7/1/2024	DATE - 07/02/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 2 OF 7 SHEETS | STA. 62+00.00 TO STA. 132+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	40
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

NOTE:
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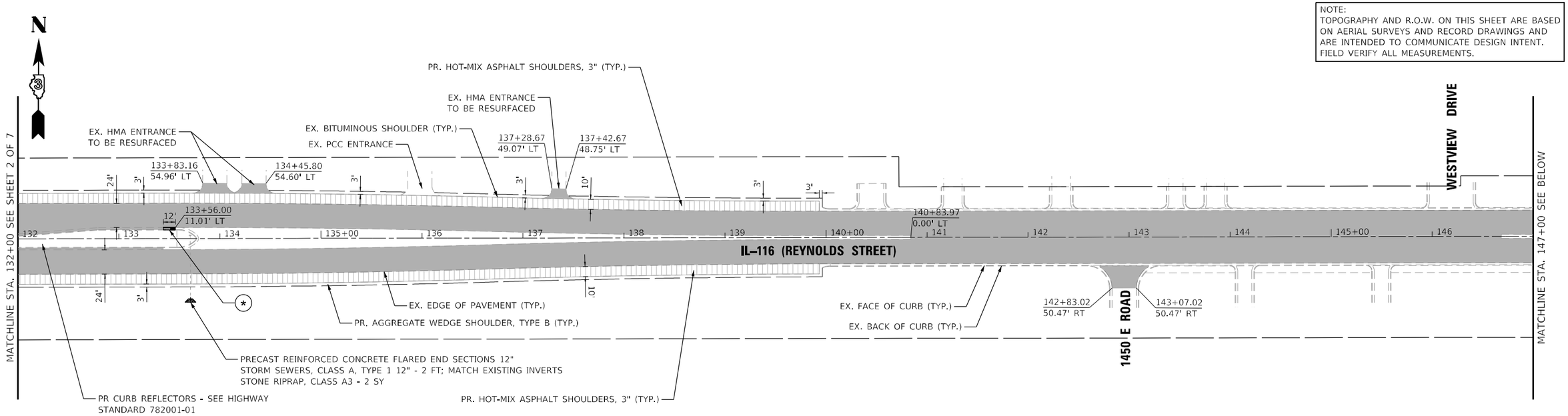
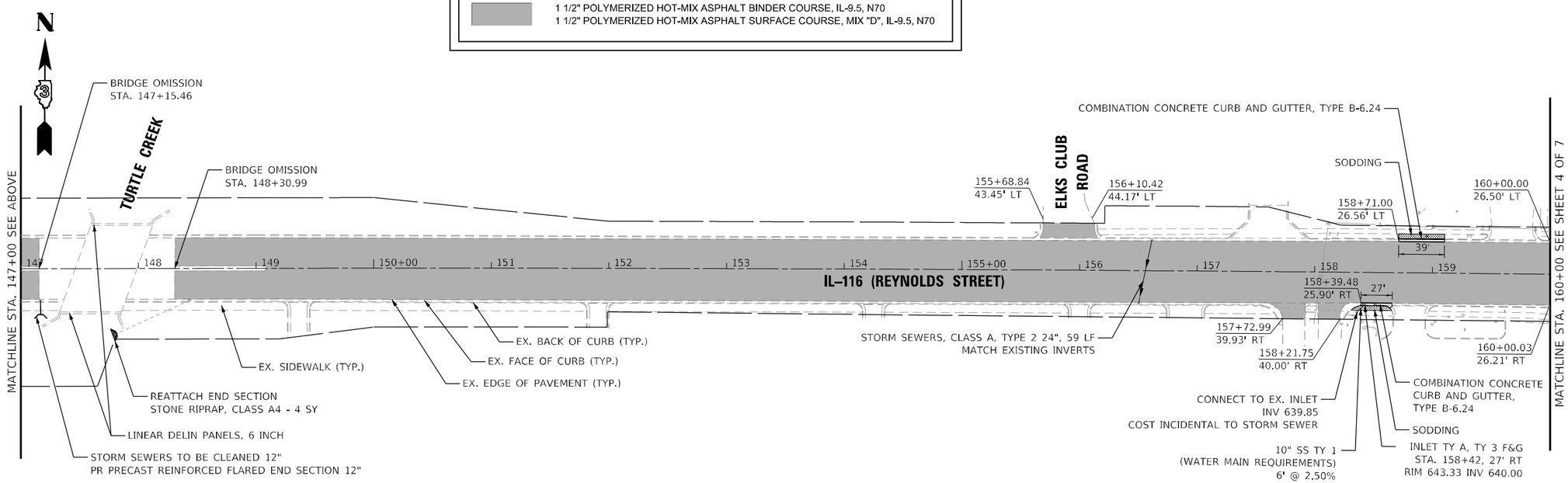


(*) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24

ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70



21 50 100 150
SCALE IN FEET

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USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 7/1/2024	DATE - 07/02/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 3 OF 7 SHEETS | STA. 132+00.00 TO STA. 160+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	41
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		

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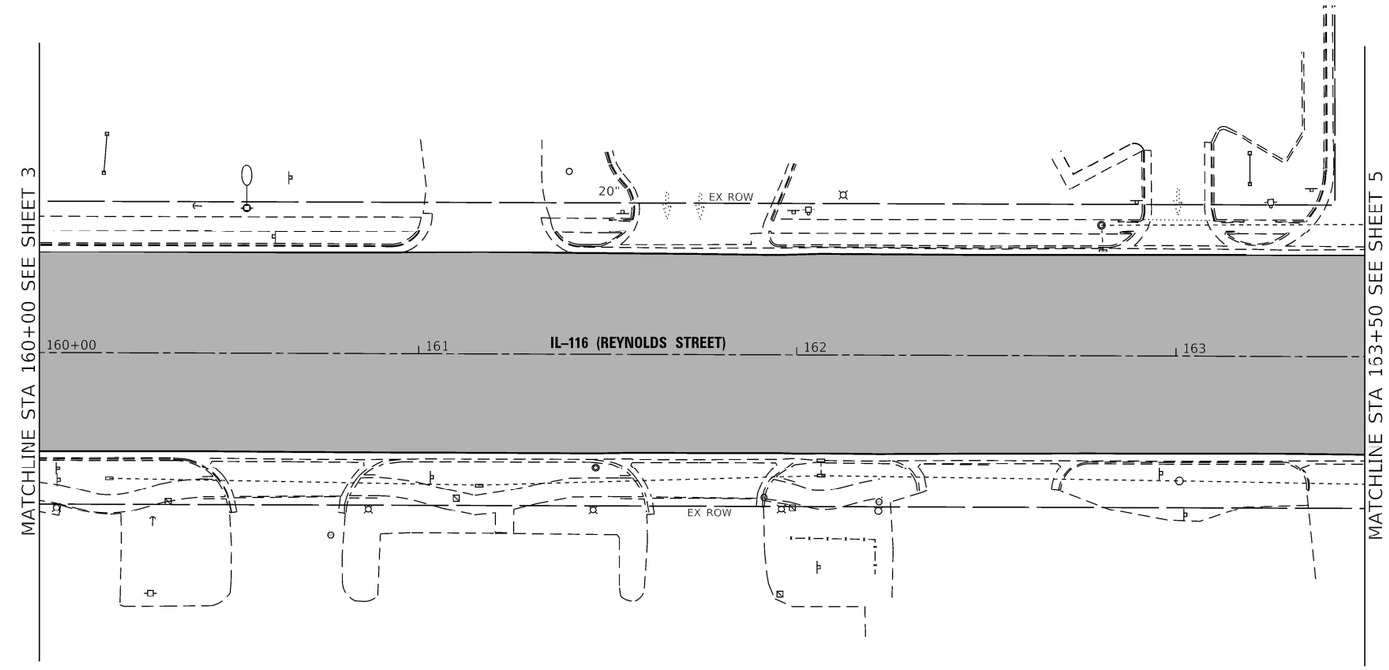
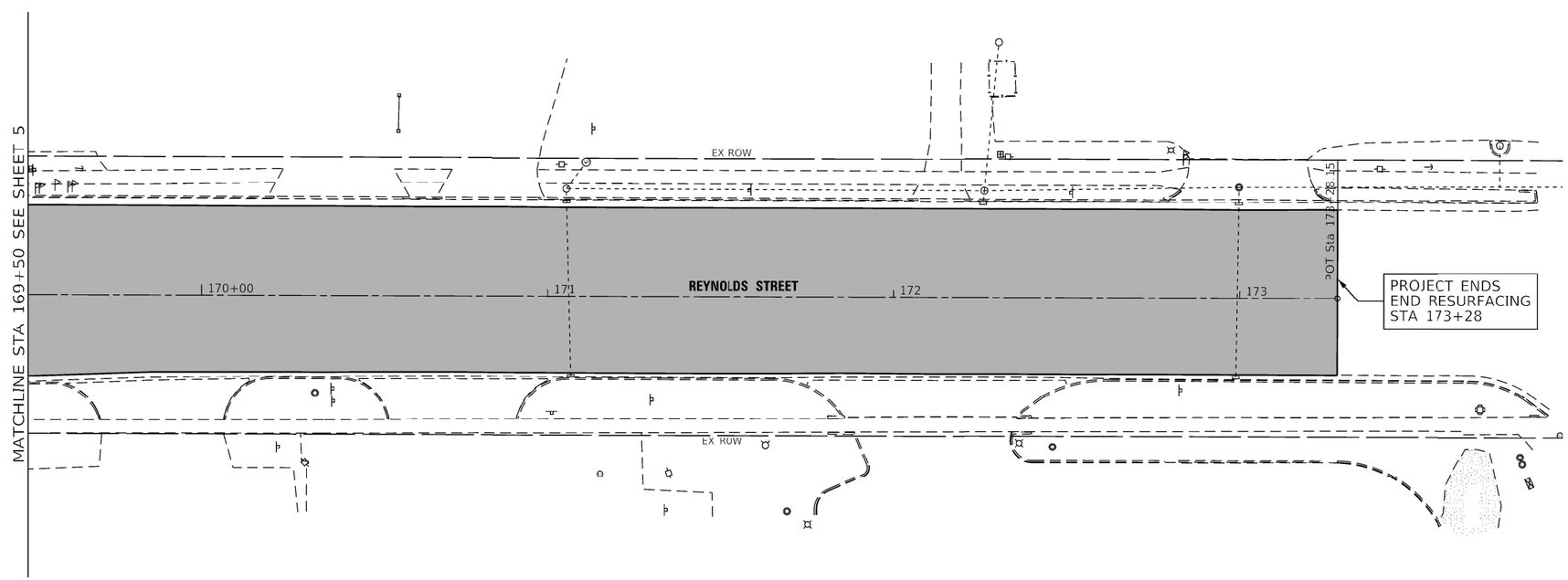
N

ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70





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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

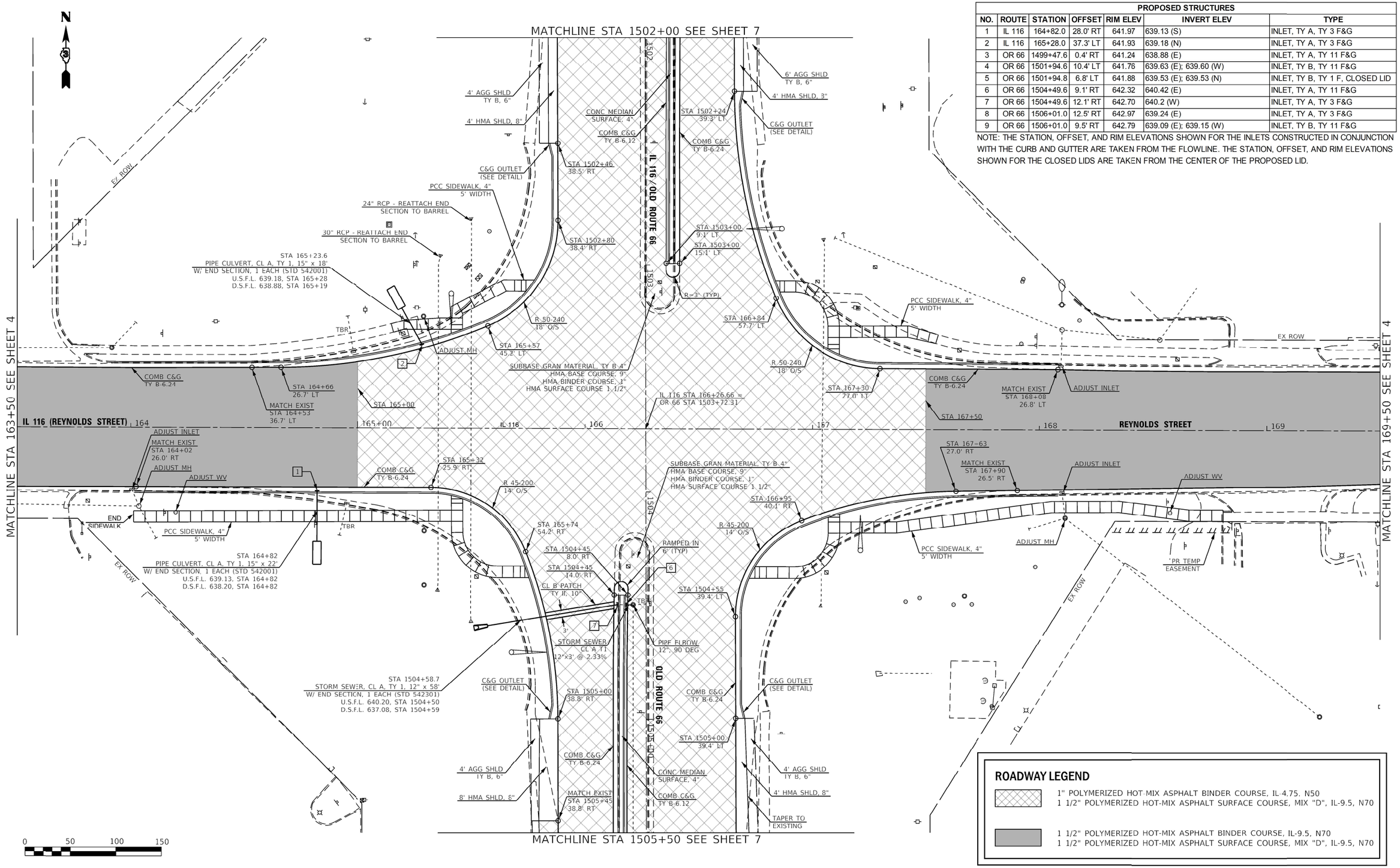
ROADWAY PLAN
IL 116 / REYNOLDS ST

SCALE: | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	42
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

PROPOSED STRUCTURES						
NO.	ROUTE	STATION	OFFSET	RIM ELEV	INVERT ELEV	TYPE
1	IL 116	164+82.0	28.0' RT	641.97	639.13 (S)	INLET, TY A, TY 3 F&G
2	IL 116	165+28.0	37.3' LT	641.93	639.18 (N)	INLET, TY A, TY 3 F&G
3	OR 66	1499+47.6	0.4' RT	641.24	638.88 (E)	INLET, TY A, TY 11 F&G
4	OR 66	1501+94.6	10.4' LT	641.76	639.63 (E); 639.60 (W)	INLET, TY B, TY 11 F&G
5	OR 66	1501+94.8	6.8' LT	641.88	639.53 (E); 639.53 (N)	INLET, TY B, TY 1 F, CLOSED LID
6	OR 66	1504+49.6	9.1' RT	642.32	640.42 (E)	INLET, TY A, TY 11 F&G
7	OR 66	1504+49.6	12.1' RT	642.70	640.2 (W)	INLET, TY A, TY 3 F&G
8	OR 66	1506+01.0	12.5' RT	642.97	639.24 (E)	INLET, TY A, TY 3 F&G
9	OR 66	1506+01.0	9.5' RT	642.79	639.09 (E); 639.15 (W)	INLET, TY B, TY 11 F&G

NOTE: THE STATION, OFFSET, AND RIM ELEVATIONS SHOWN FOR THE INLETS CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER ARE TAKEN FROM THE FLOWLINE. THE STATION, OFFSET, AND RIM ELEVATIONS SHOWN FOR THE CLOSED LIDS ARE TAKEN FROM THE CENTER OF THE PROPOSED LID.



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Hutchison Engineering, Inc.

USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

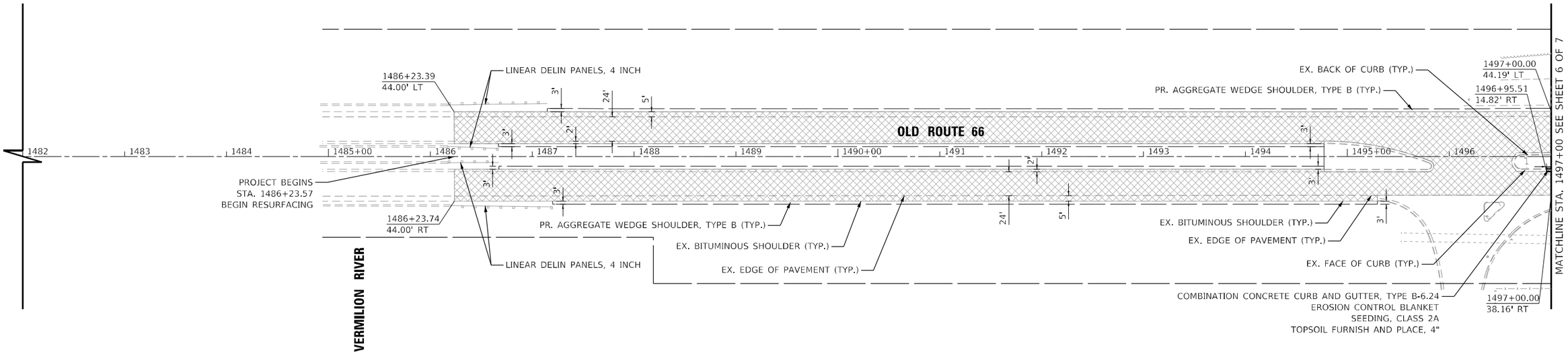
ROADWAY PLAN
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	43

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT



ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.

21 50 100 150
SCALE IN FEET

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
OR 66

SCALE: 1"=50' | SHEET 6 OF 7 SHEETS | STA. 1482+00.00 TO STA. 1497+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	44
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

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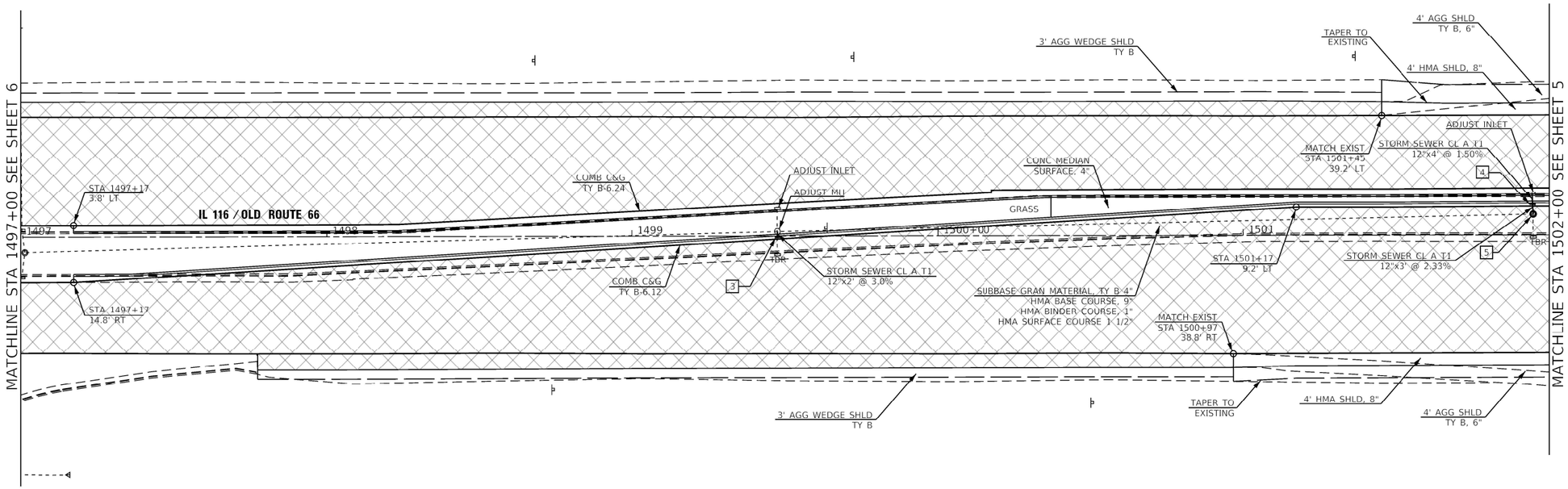
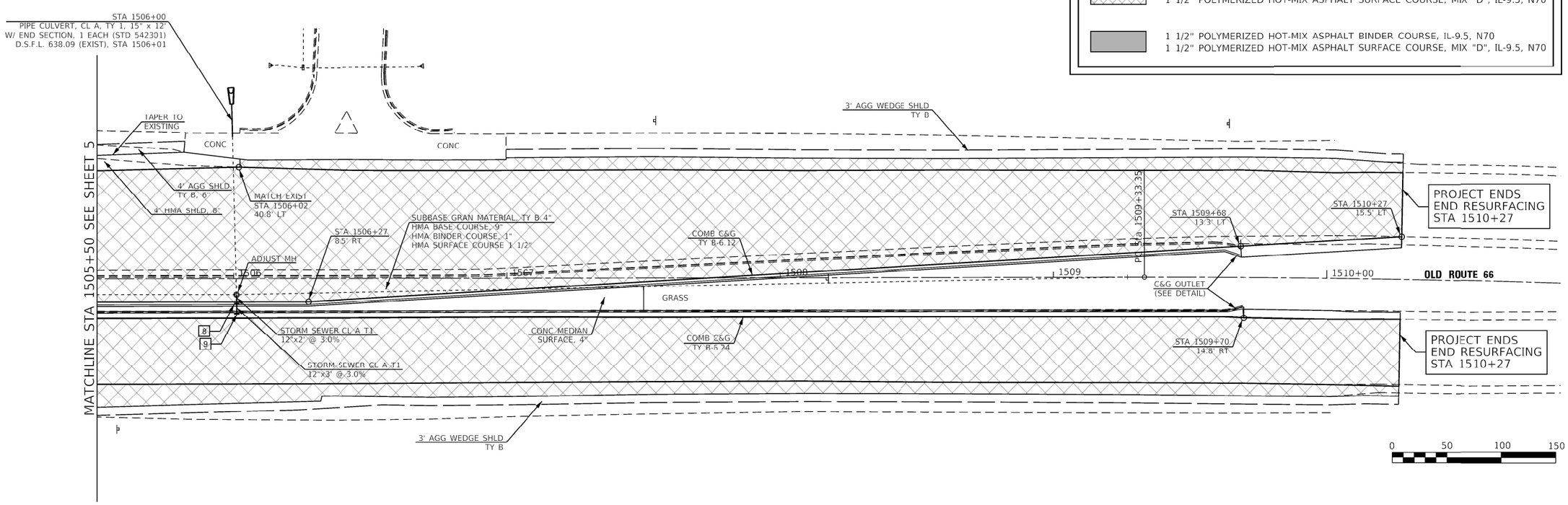


ROADWAY LEGEND

1" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70

1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70
1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70



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Hutchison Engineering, Inc.

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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
OR 66

SCALE: | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	45
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES ON EXISTING PAVEMENT, EXCEPT FOR ISOLATED FLAGGER CONTROLLED LANE CLOSURES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 18", WITHIN 8' OF THE TRAVELED WAY, IS PRESENT DURING NON-WORKING HOURS.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES. THE PAY ITEM AGGREGATE FOR TEMPORARY ACCESS HAS BEEN PROVIDED TO AID THE CONTRACTOR IN MAINTAINING THIS ACCESS.

EXISTING SCHOOL ZONE RELATED SIGNS MUST REMAIN VISIBLE FOR THE ENTIRE DURATION OF THE CONSTRUCTION.

DEPICTED TRAFFIC CONTROL IS A MINIMUM REQUIREMENT AND OTHER WORK OR SIGNING MAY BE REQUIRED AS PER THE INSTRUCTION OF THE ENGINEER. THE COST INCURRED TO COMPLY WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

RAISED REFLECTIVE PAVEMENT MARKERS SHOULD BE REMOVED, AS NECESSARY, IF THEY ARE IN CONFLICT WITH TRAFFIC CONTROL STAGING.

"WORKERS" SIGNS TO BE REMOVED WHEN NO WORK IS PRESENT.

THE IL 116 AND OR 66 STAGE CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL PLAN SHALL BE COORDINATED WITH ANY RESURFACING WORK. THE CONTRACTOR SHALL ENSURE THAT THE ROAD CONSTRUCTION AHEAD SIGNS, END CONSTRUCTION SIGNS, AND ANY OTHER SIGNS ARE ALL PROPERLY PLACED FOR THE ONGOING WORK OPERATION.

PAVEMENT PATCHING SHALL BE COMPLETED PRIOR TO OPENING TO TRAFFIC FOR EXCAVATIONS IN PAVEMENT AREAS WITHIN TEMPORARY CLOSURES. TEMPORARY HOT-MIX ASPHALT OR ACCELERATED PCC PATCHING, IF NEEDED, SHALL BE INCIDENTAL TO THE WORK ITEMS AND APPROVED BY THE ENGINEER PRIOR TO OPENING TO TRAFFIC. CONTINUOUS WORK AND THE USE OF NIGHT-TIME LIGHTING SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.

PRE-STAGE I SEQUENCING NOTES

FURNISH AND INSTALL CONSTRUCTION SIGNING. COVER OR REMOVE ANY EXISTING SIGNS THAT CONFLICT WITH WORK ZONE REQUIREMENTS.

FURNISH AND INSTALL TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF IL 116 AND OR 66.

STAGE I SEQUENCING NOTES

SWITCH TRAFFIC TO STAGE I CONFIGURATION.

REMOVE TRAFFIC SIGNAL EQUIPMENT FROM THE MEDIAN AREA OF OR 66.

REMOVE AND RECONSTRUCT THE CONCRETE MEDIAN ADJACENT TO OR 66.

REMOVE AND REPLACE STORM SEWER STRUCTURES AND PIPES IN THE MEDIAN AREA OF OR 66.

CONSTRUCT THE NEW OR 66 TURN LANE PAVEMENT, MINUS THE SURFACE COURSE.

CONSTRUCT THE FIRST HALF OF THE CULVERT AT STA 1504+54.

STAGE II SEQUENCING NOTES

SWITCH TRAFFIC TO STAGE II CONFIGURATION.

REMOVE THE REMAINING TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION.

REMOVE THE PAVEMENT, CURB & GUTTER, AND OTHER ASSOCIATED ITEMS IN EACH OF THE FOUR QUADRANTS OF THE INTERSECTION.

CONSTRUCTION THE NEW FOUNDATIONS AND TRAFFIC SIGNALS.

CONSTRUCT THE CURB & GUTTER, SIDEWALK, AND CURB RAMPS.

CONSTRUCT THE NEW HMA SHOULDER AND AGG SHOULDER TO MATCH EXISTING

CONSTRUCT THE SECOND HALF OF THE PROPOSED CULVERT AT STA 1504+54.

CONSTRUCT THE FIRST HALF OF THE CULVERT AT STA 156+55.

REMOVE AND REPLACE THE LAST 12' OF THE CULVERT AT STA 1506+01.

STAGE III SEQUENCING NOTES

SWITCH TRAFFIC TO STAGE III CONFIGURATION.

REMOVE THE REMAINING TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION.

REMOVE THE PAVEMENT, CURB & GUTTER, AND OTHER ASSOCIATED ITEMS IN EACH OF THE FOUR QUADRANTS OF THE INTERSECTION.

CONSTRUCTION THE NEW FOUNDATIONS AND TRAFFIC SIGNALS.

CONSTRUCT THE CURB & GUTTER, SIDEWALK, AND CURB RAMPS.

CONSTRUCT THE NEW HMA SHOULDER AND AGG SHOULDER TO MATCH EXISTING

CONSTRUCT THE SECOND HALF OF THE PROPOSED CULVERT AT STA 1504+54.

CONSTRUCT THE SECOND HALF OF THE CULVERT AT STA 156+55.

REMOVE AND REPLACE THE LAST 12' OF THE CULVERT AT STA 1506+01.

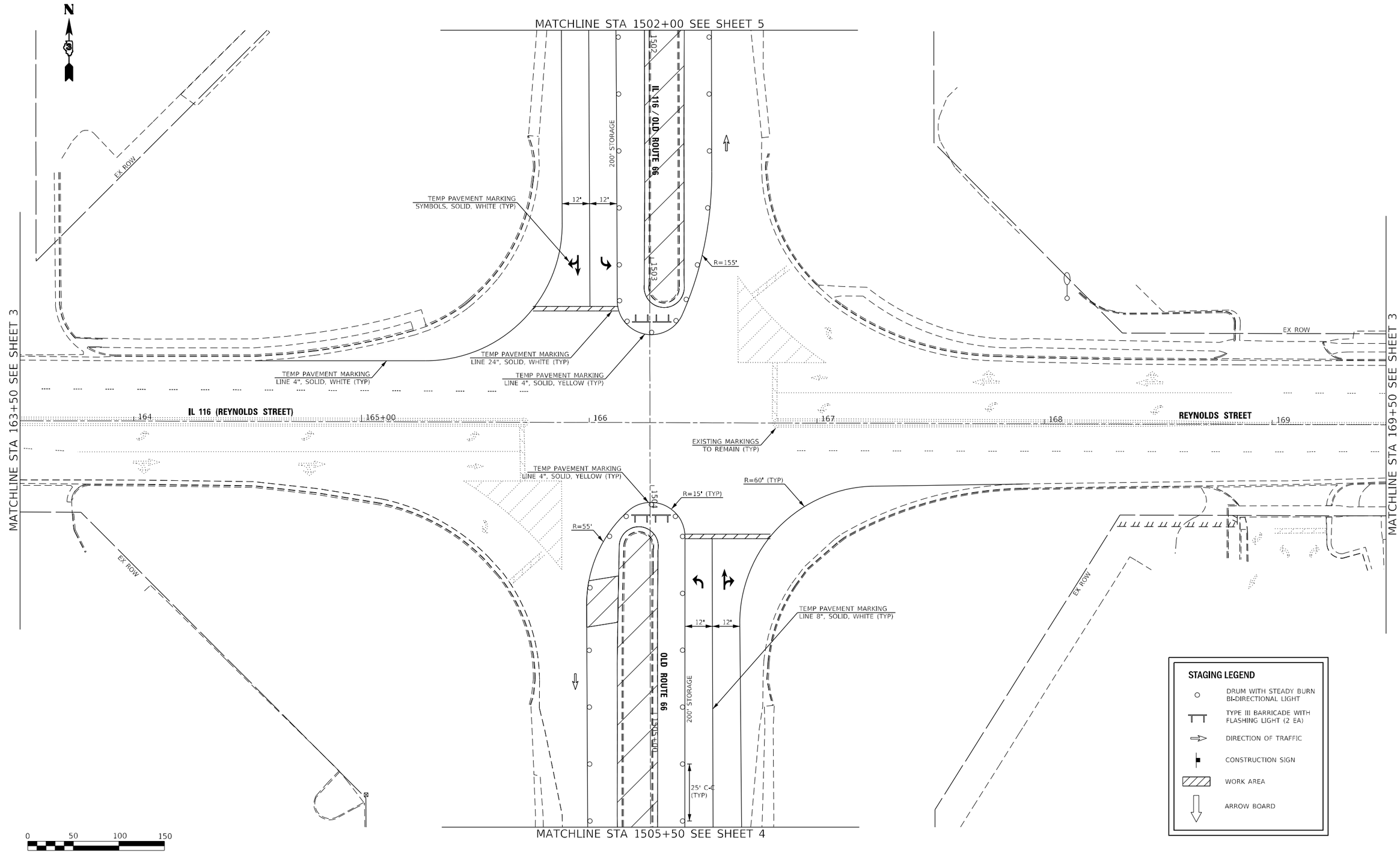
STAGE IV SEQUENCING NOTES

TEMPORARY CLOSURES USING HIGHWAY STANDARDS AS NEEDED.

COMPLETE REMAINING ROADWAY AND DRAINAGE REPAIR WORK. MILLING AND RESURFACING TO BE COMPLETED.

CONSTRUCT TRAFFIC SIGNAL MODERNIZATION IMPROVEMENTS.

INSTALL FINAL PAVEMENT MARKING AND LANDSCAPING.



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Hutchison Engineering, Inc.

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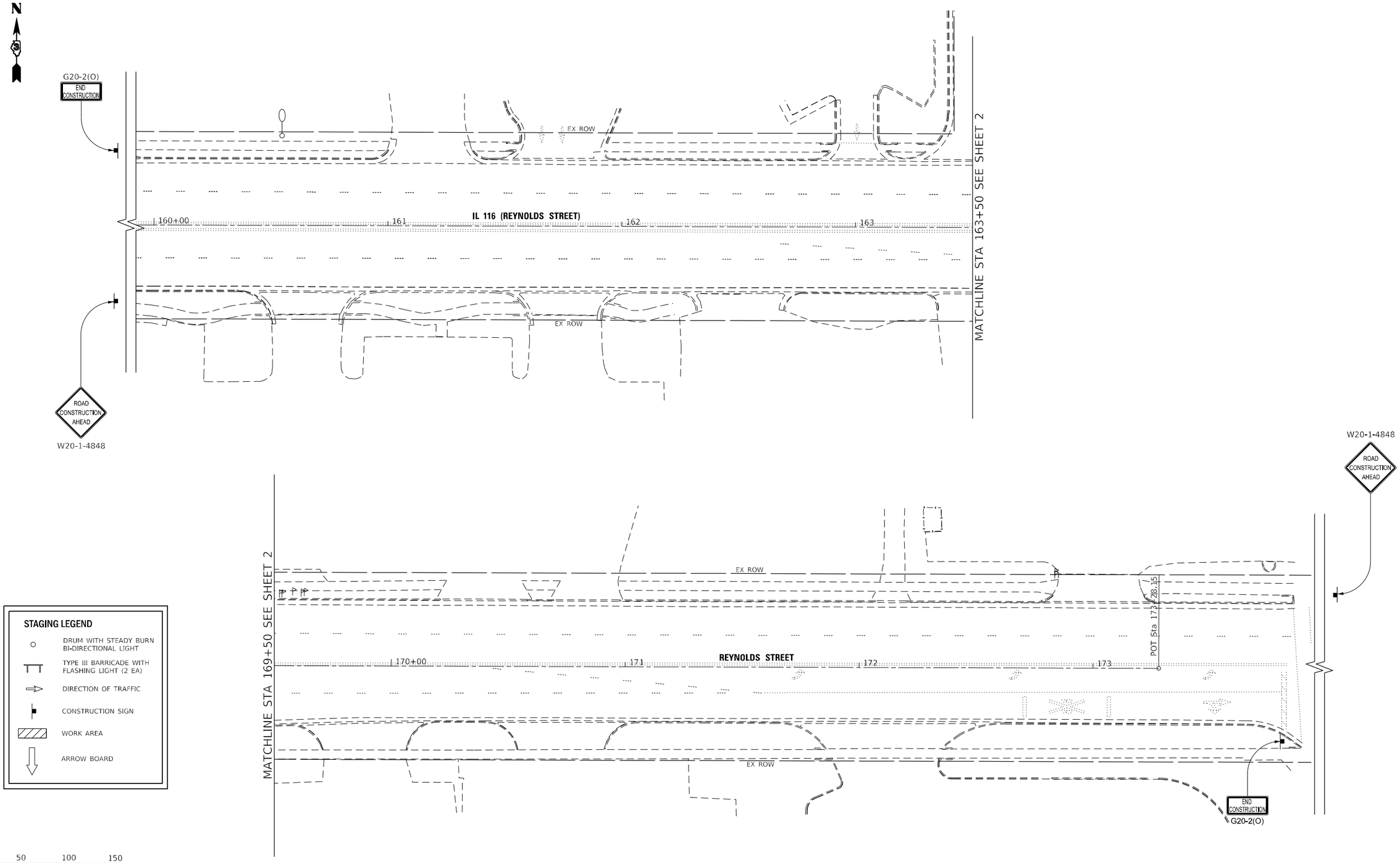
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE I
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 2 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	47
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		



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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS – STAGE I IL 116 / REYNOLDS ST AND OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	48
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 66E54				
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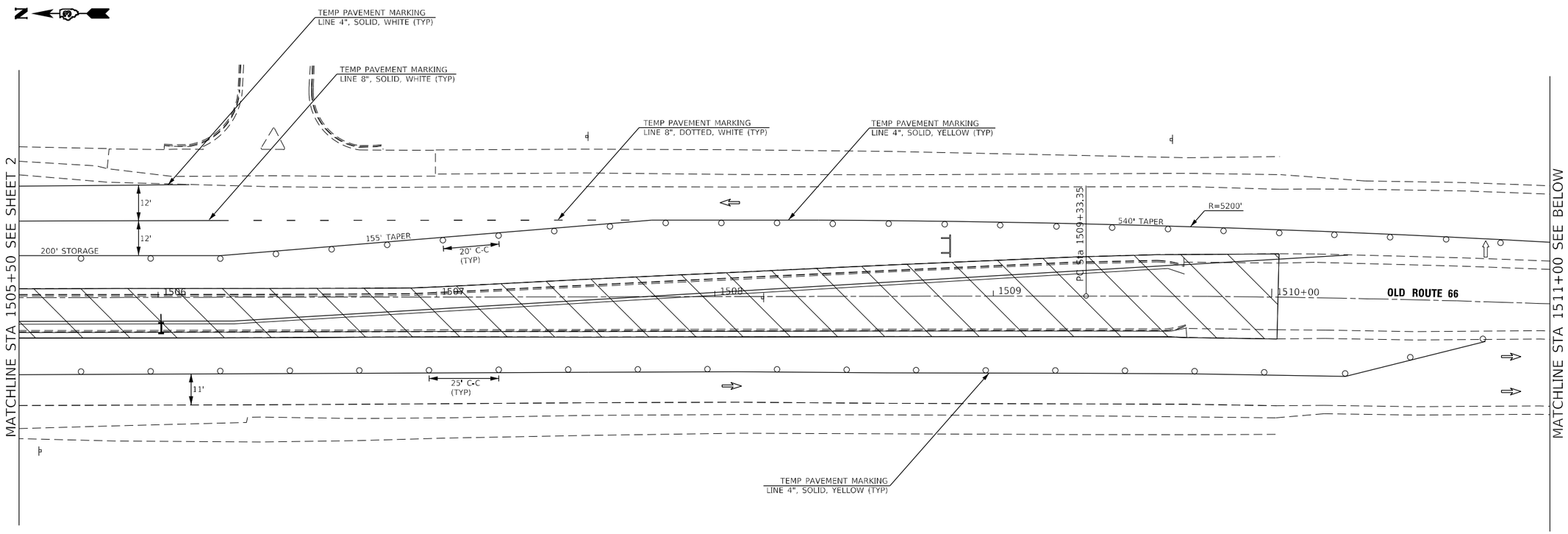

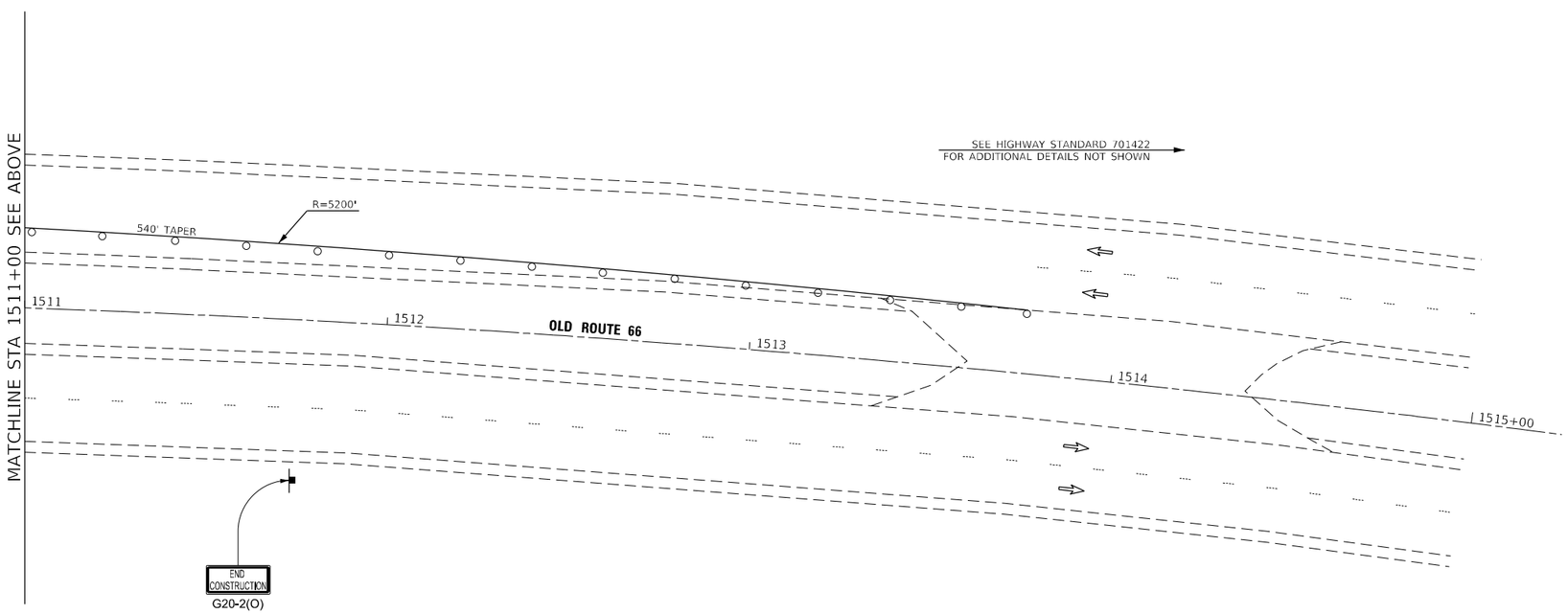

STAGING LEGEND

- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT (2 EA)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- WORK AREA
- ARROW BOARD

0 50 100 150

MODEL: Default
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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
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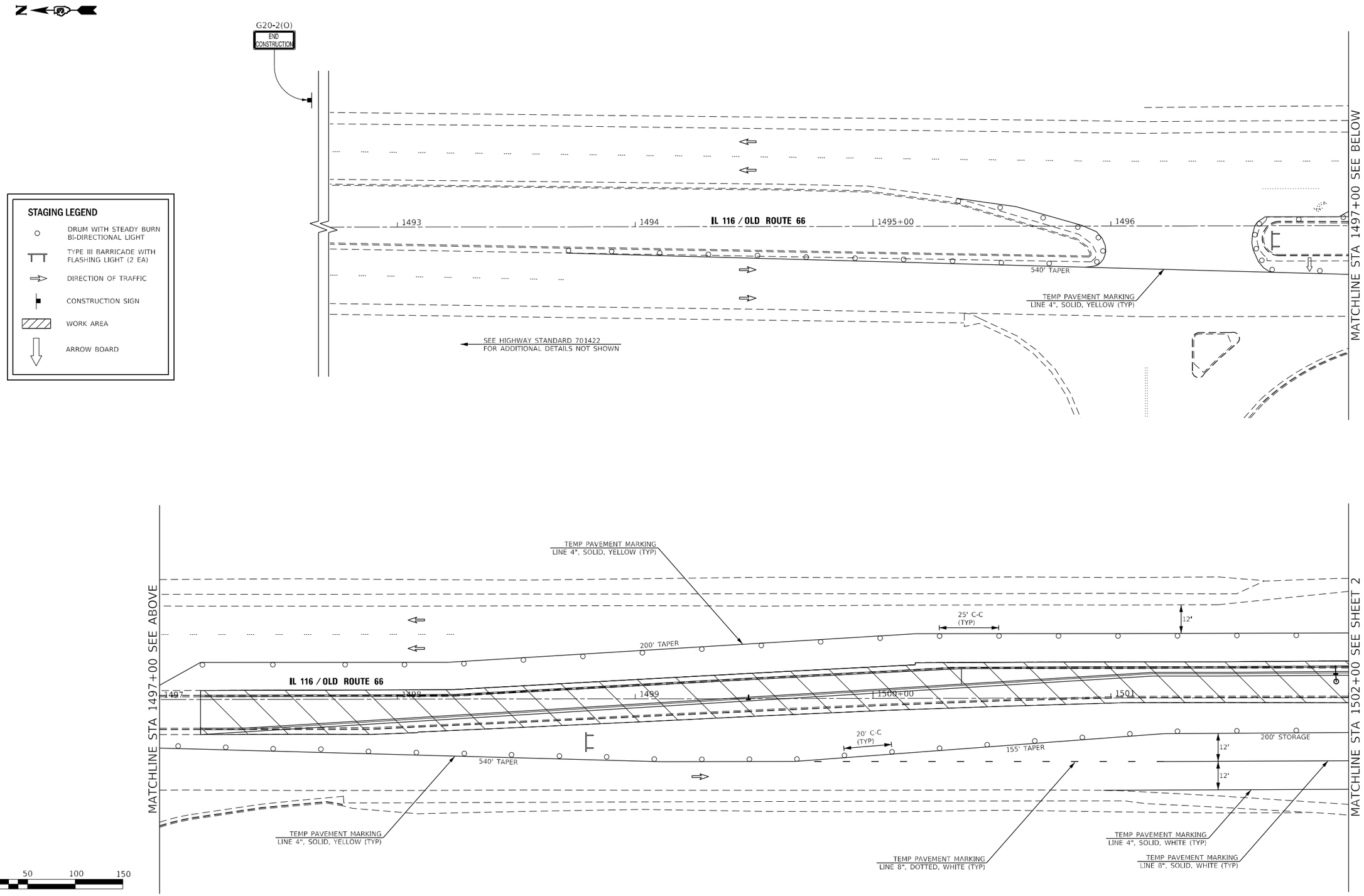
	PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE I
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 4 OF 15 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	49
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



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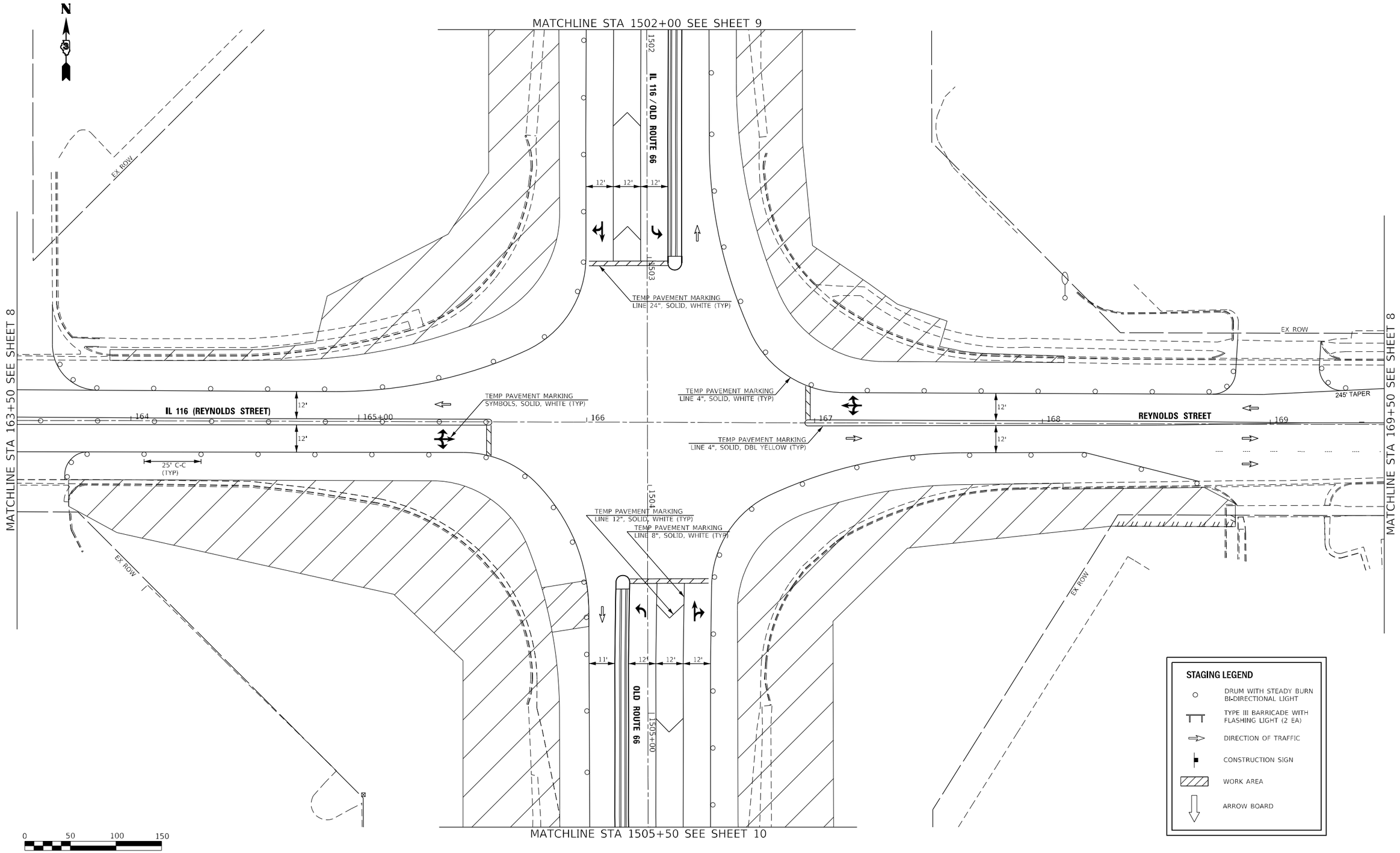
	PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE I
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 5 OF 15 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	50
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



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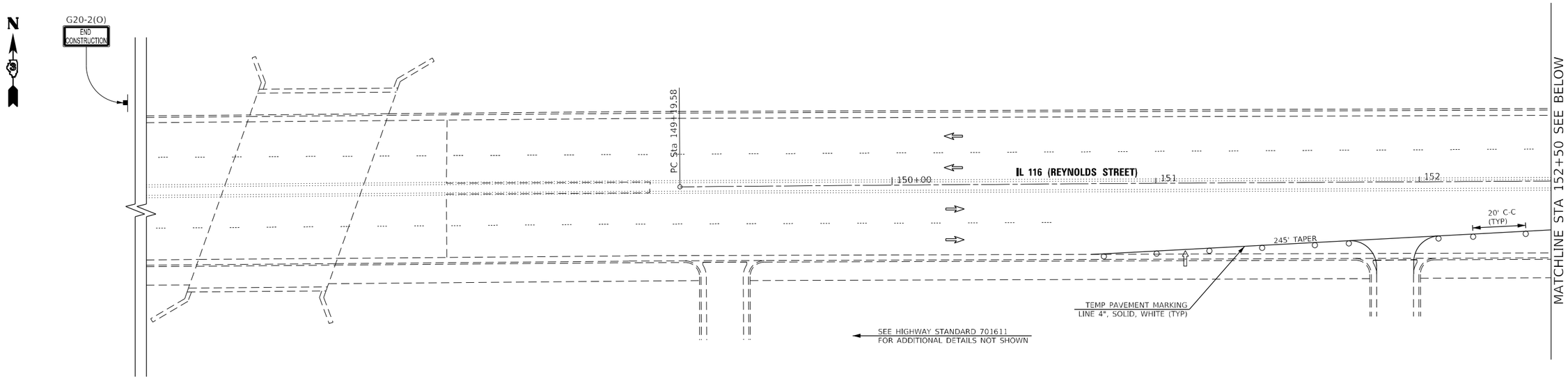

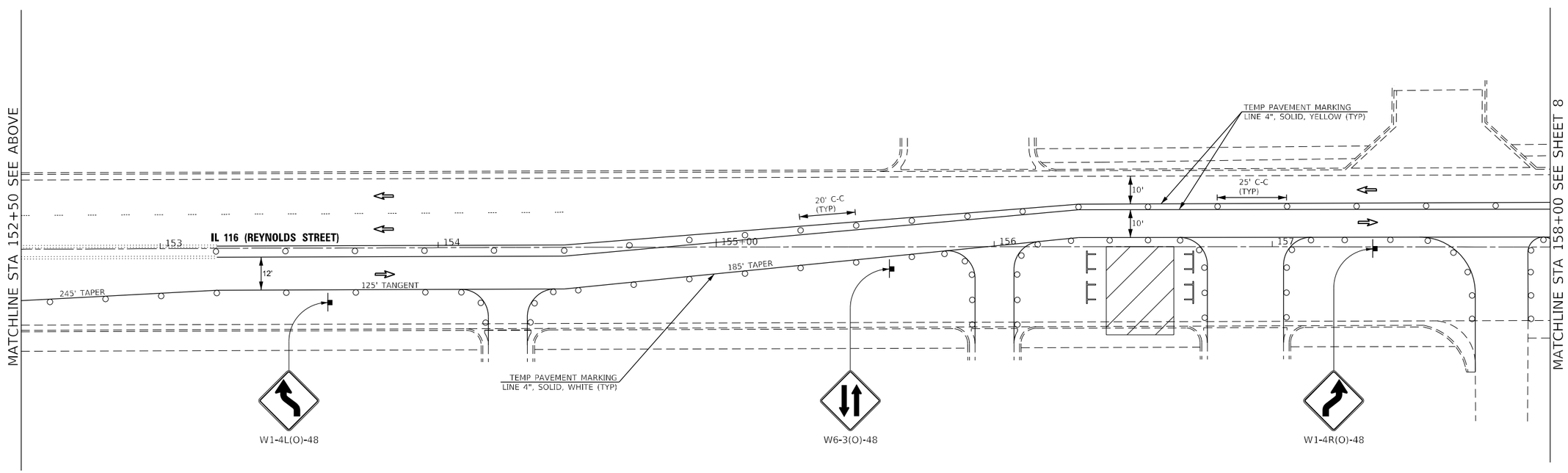

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE II
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 7 OF 15 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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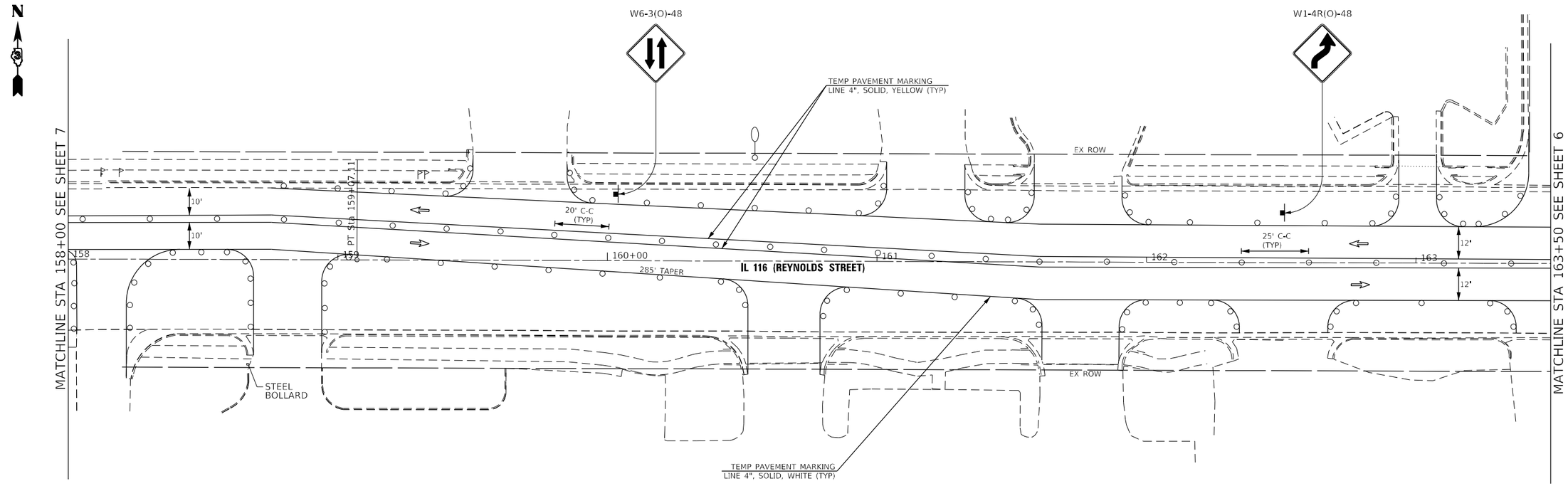
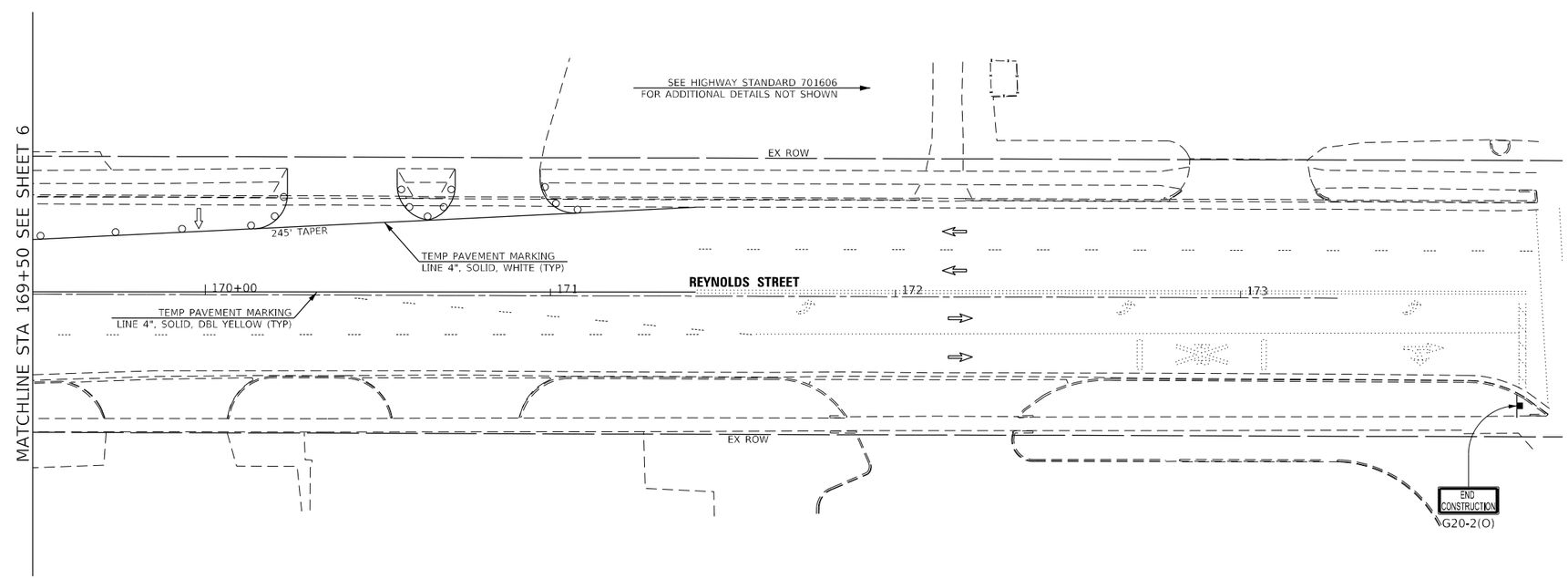
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	





STAGING LEGEND

- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT (2 EA)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- WORK AREA
- ARROW BOARD

0 50 100 150

MODEL: Default
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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS – STAGE II IL 116 / REYNOLDS ST AND OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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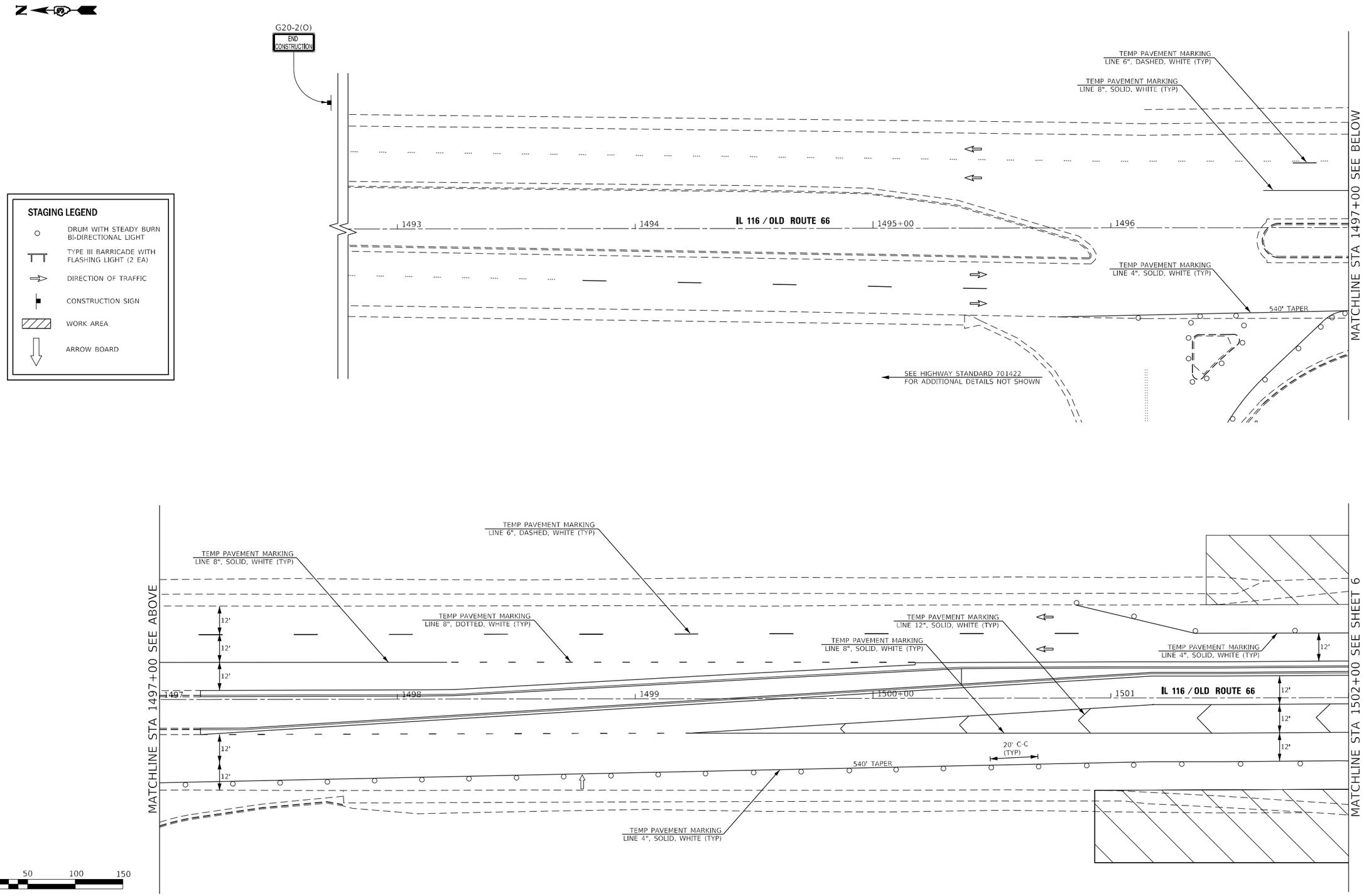

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	PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE II
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 9 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	54
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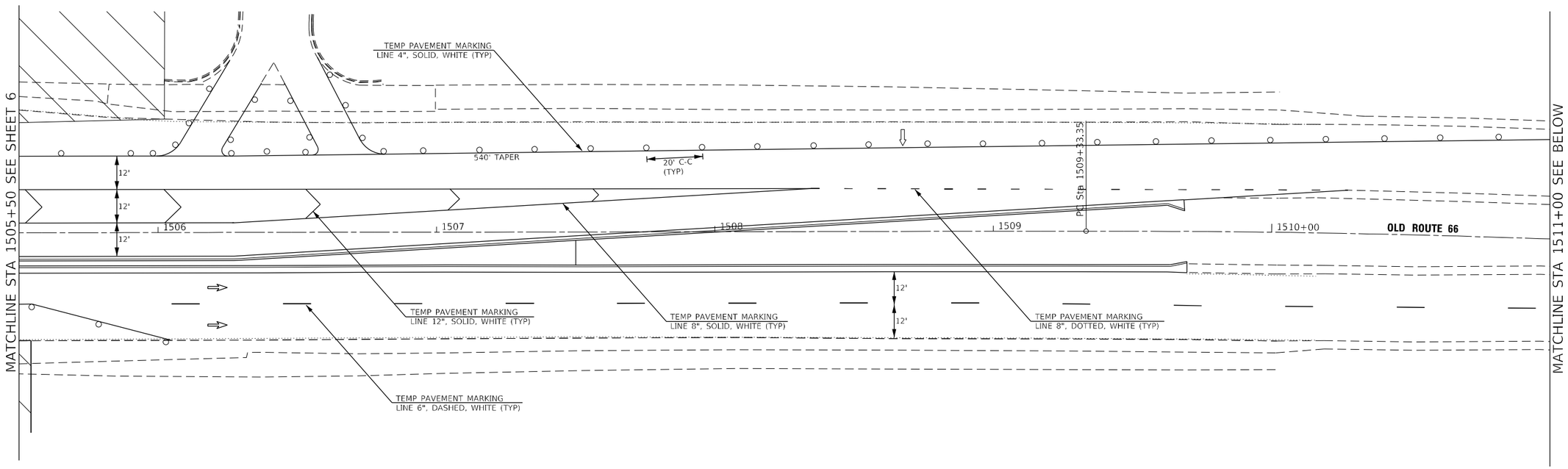

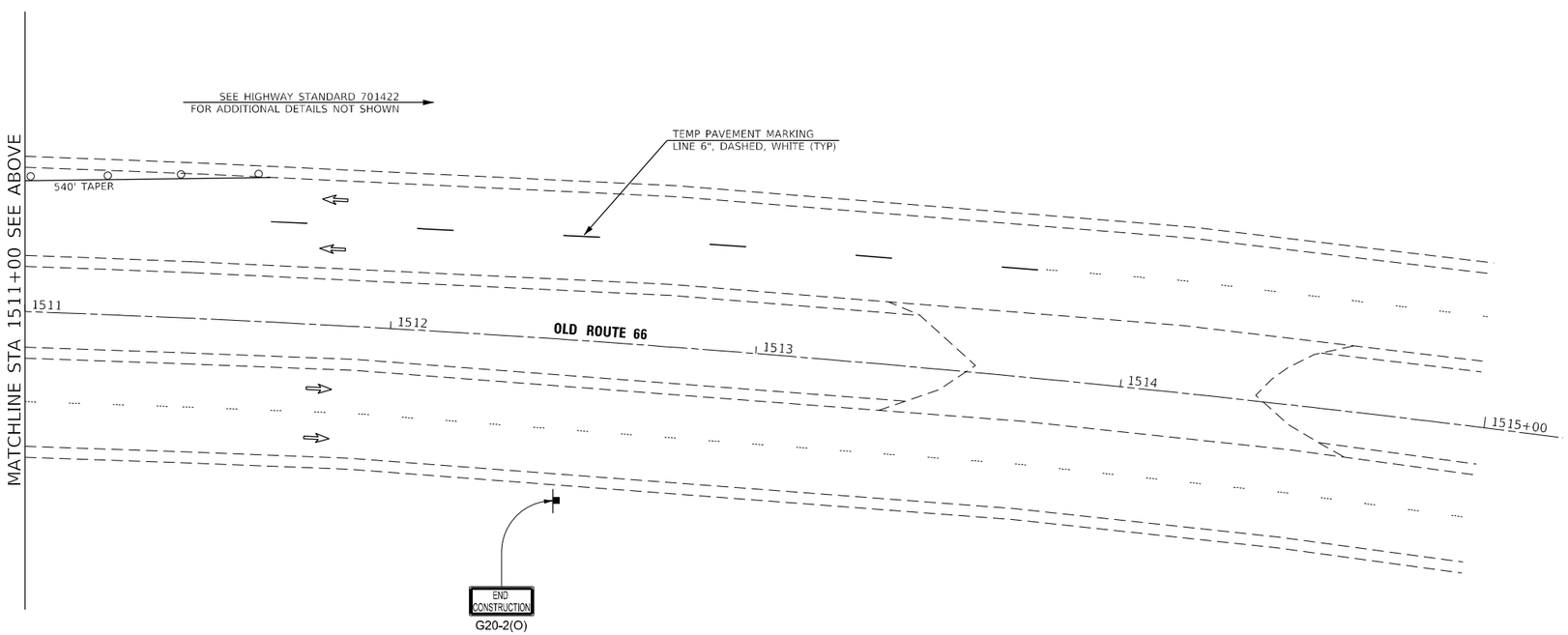

STAGING LEGEND

- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT (2 EA)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- WORK AREA
- ARROW BOARD

0 50 100 150

MODEL: Default
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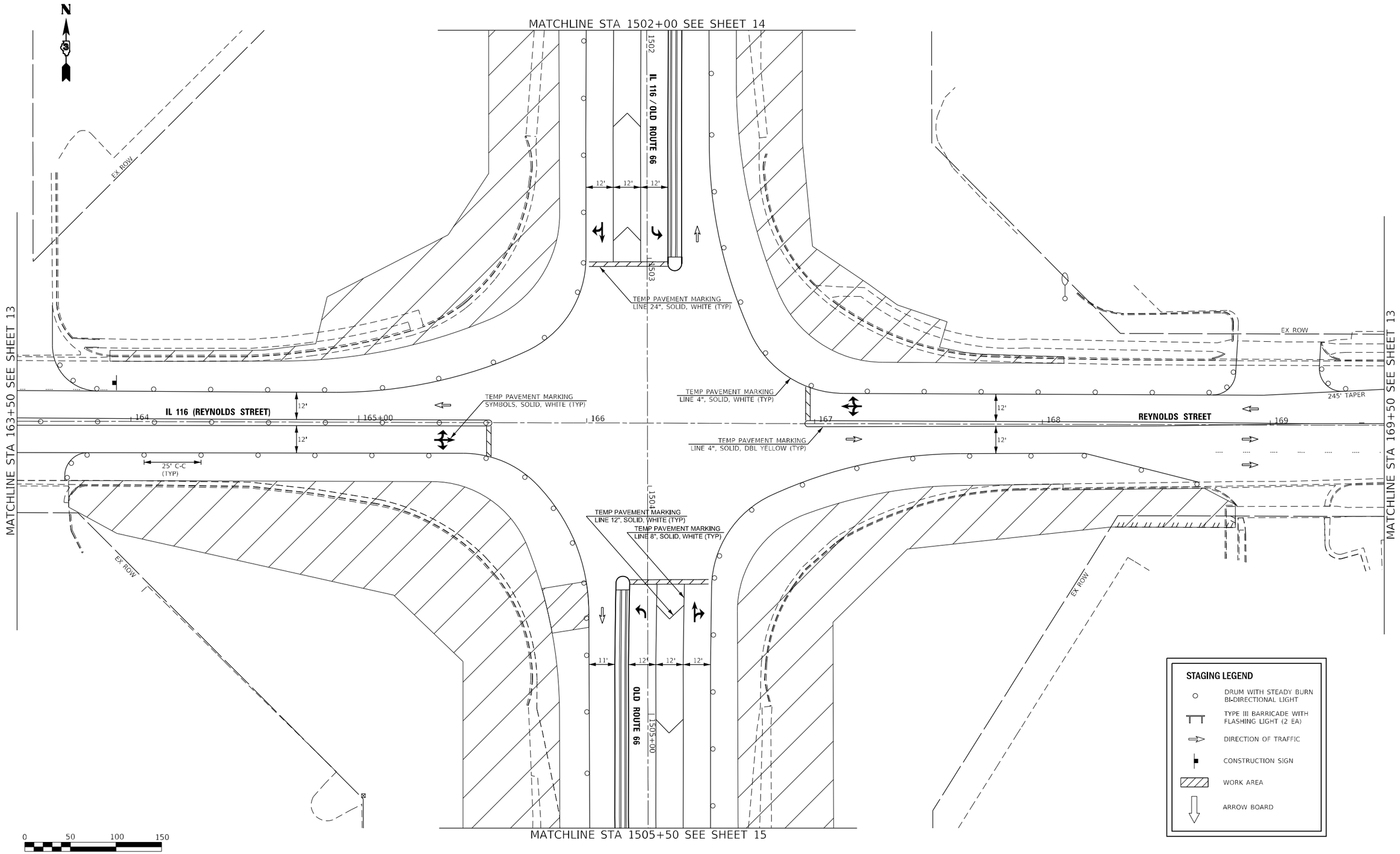
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE II
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 10 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	55
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



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Hutchison Engineering, Inc.

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	DRAWN -	REVISED -
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PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE III
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 11 OF 15 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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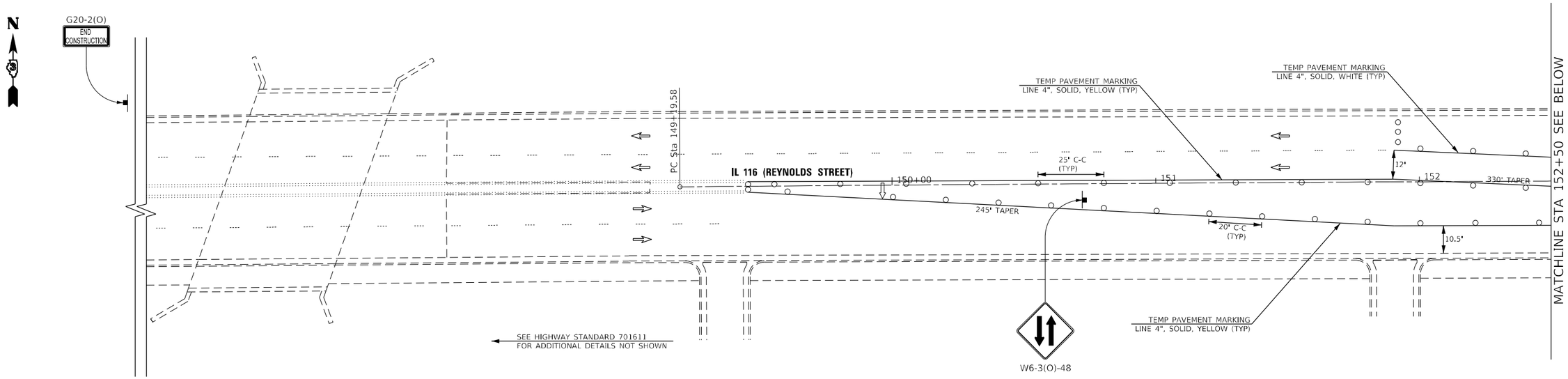
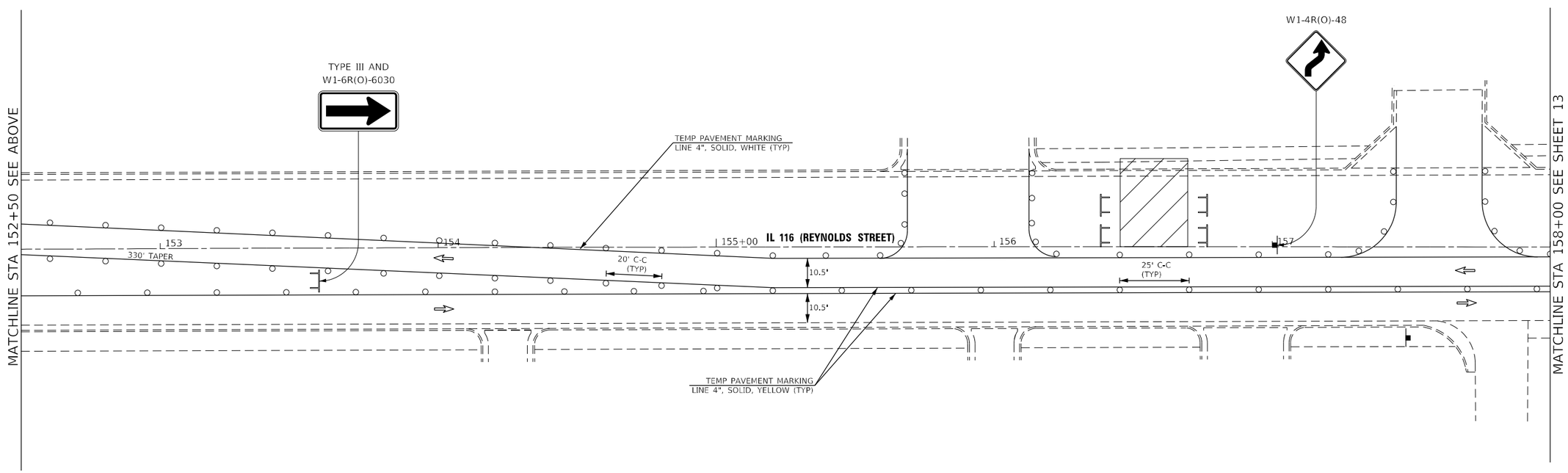
	ILLINOIS	FED. AID PROJECT		





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	PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE III
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 12 OF 15 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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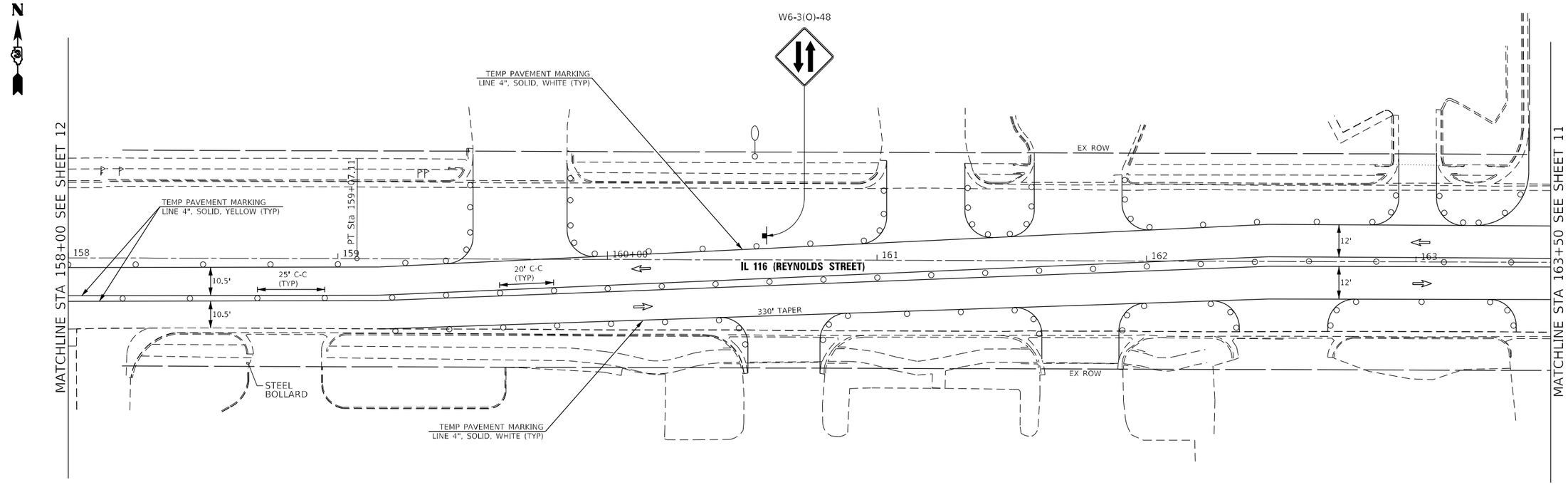
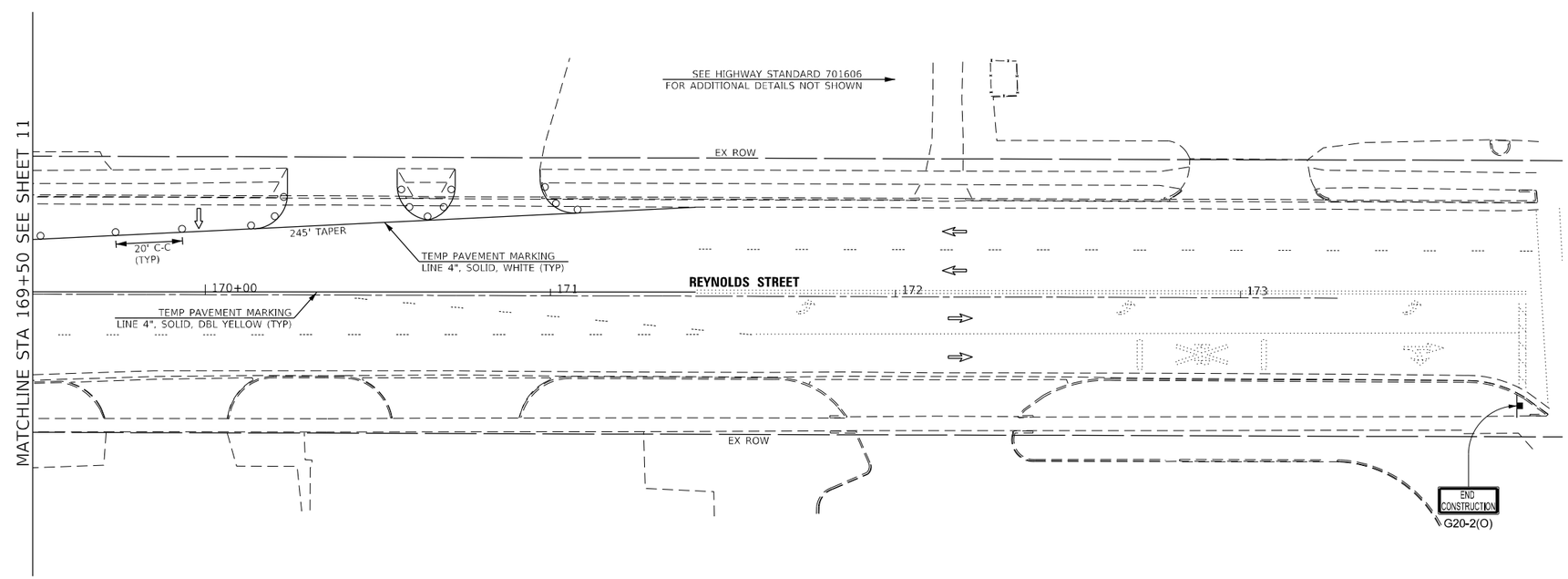
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		





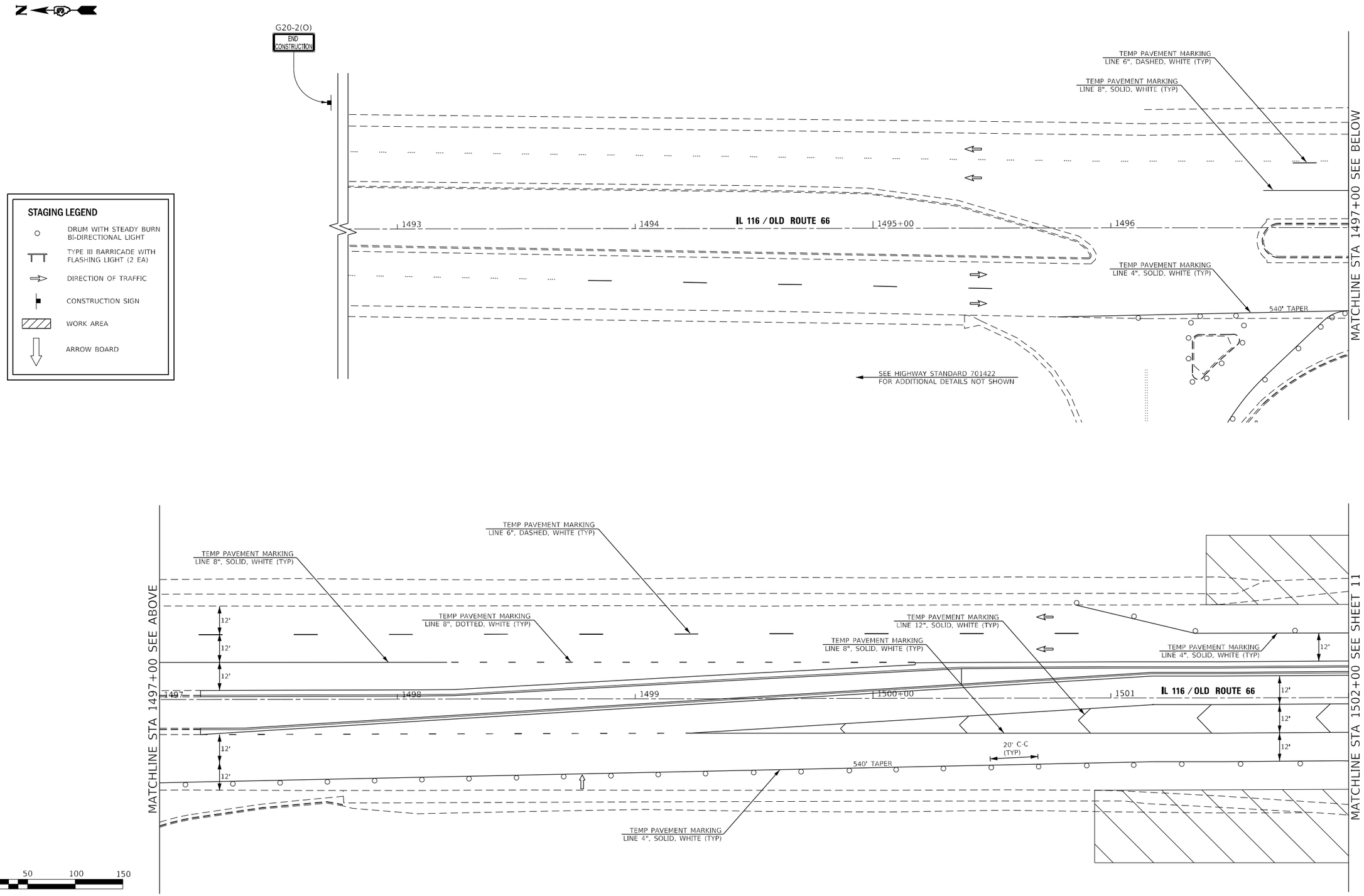
STAGING LEGEND

- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT (2 EA)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- WORK AREA
- ARROW BOARD

0 50 100 150

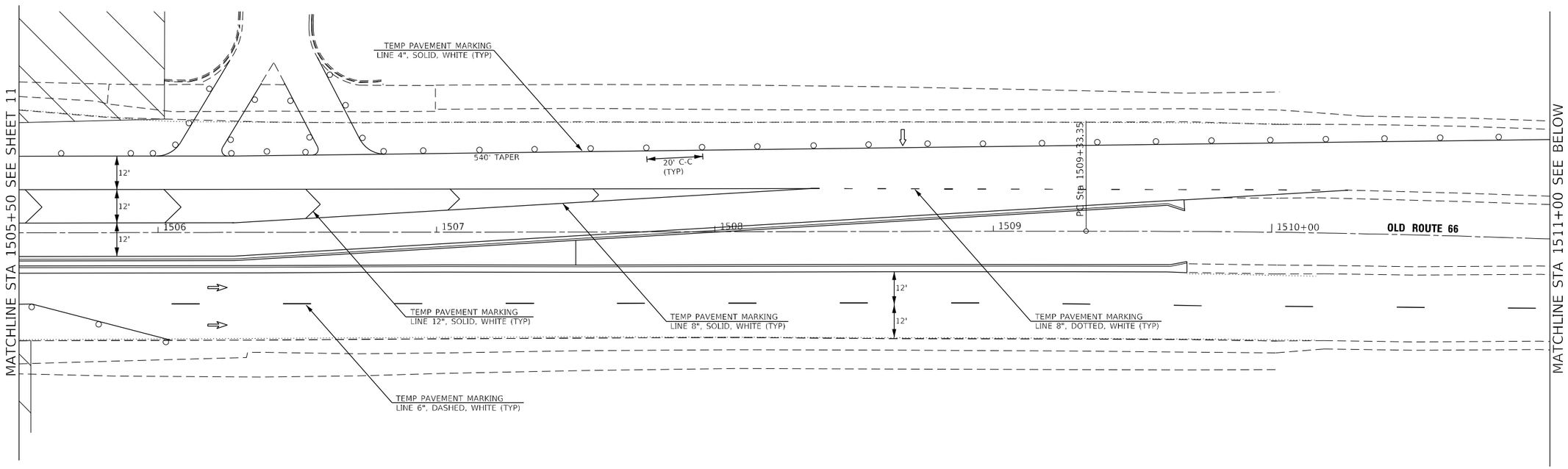
MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-int-staging.dgn

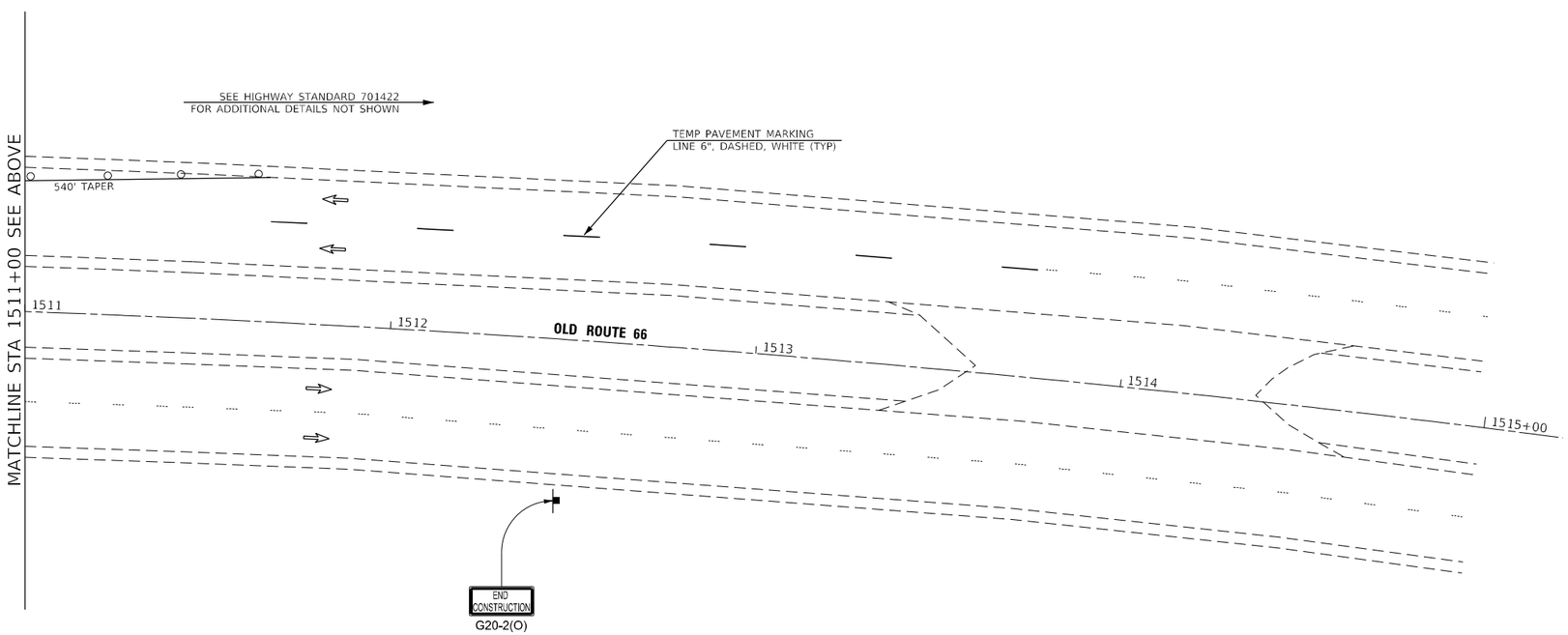
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS – STAGE III IL 116 / REYNOLDS ST AND OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	58
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54		
	PLOT DATE = 6/25/2024	DATE -	REVISED -		SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-int-staging.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS – STAGE III IL 116 / REYNOLDS ST AND OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 59
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	





STAGING LEGEND

- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT (2 EA)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN
- WORK AREA
- ARROW BOARD

0 50 100 150

MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-int-staging.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENTS – STAGE III
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 15 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	60
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

F.A.P. 677	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(S.B.I. 116)	(112X)R	LIVINGSTON	4	1
F.H.W.A. REG. 5	ILLINOIS	PROJECT		

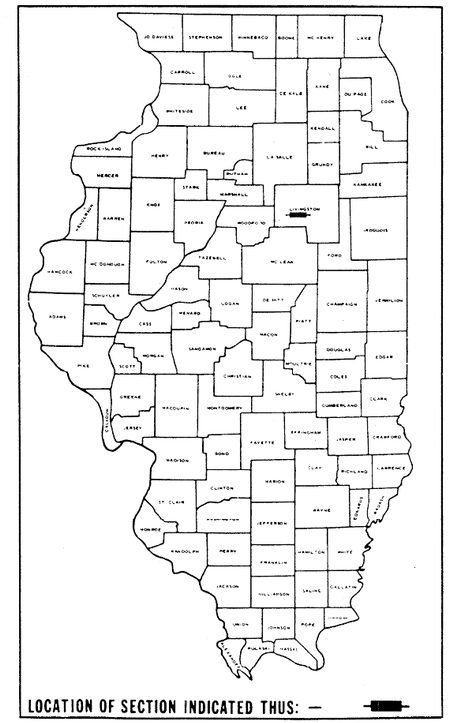
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID PRIMARY HIGHWAY

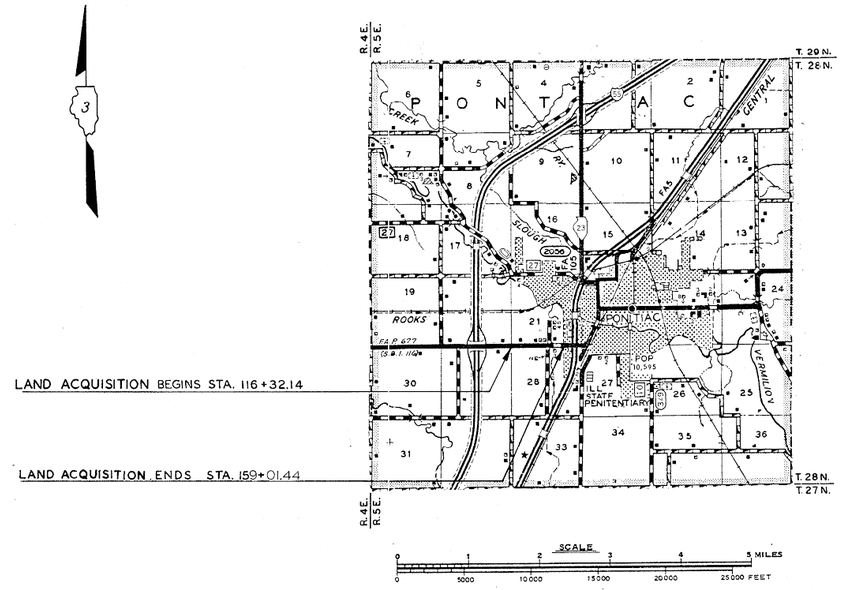
RIGHT-OF-WAY PLANS

F.A.P. ROUTE 677 (S.B.I. 116)
SECTION (112X)R
PROJECT (NONE)
LIVINGSTON COUNTY

JOB NO. R-93-006-72



LOCATION OF SECTION INDICATED THUS: —



TOTAL LENGTH OF LAND ACQUISITION = 4,269.30 LIN. FT. = 0.809 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 1, 1980
R. H. Blasius
DISTRICT ENGINEER

EXAMINED _____ 19__
ENGINEER OF PLANS AND CONTRACTS

PASSED _____ 19__
ENGINEER OF DESIGN

APPROVED _____ 19__
DIRECTOR, DIVISION OF HIGHWAYS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

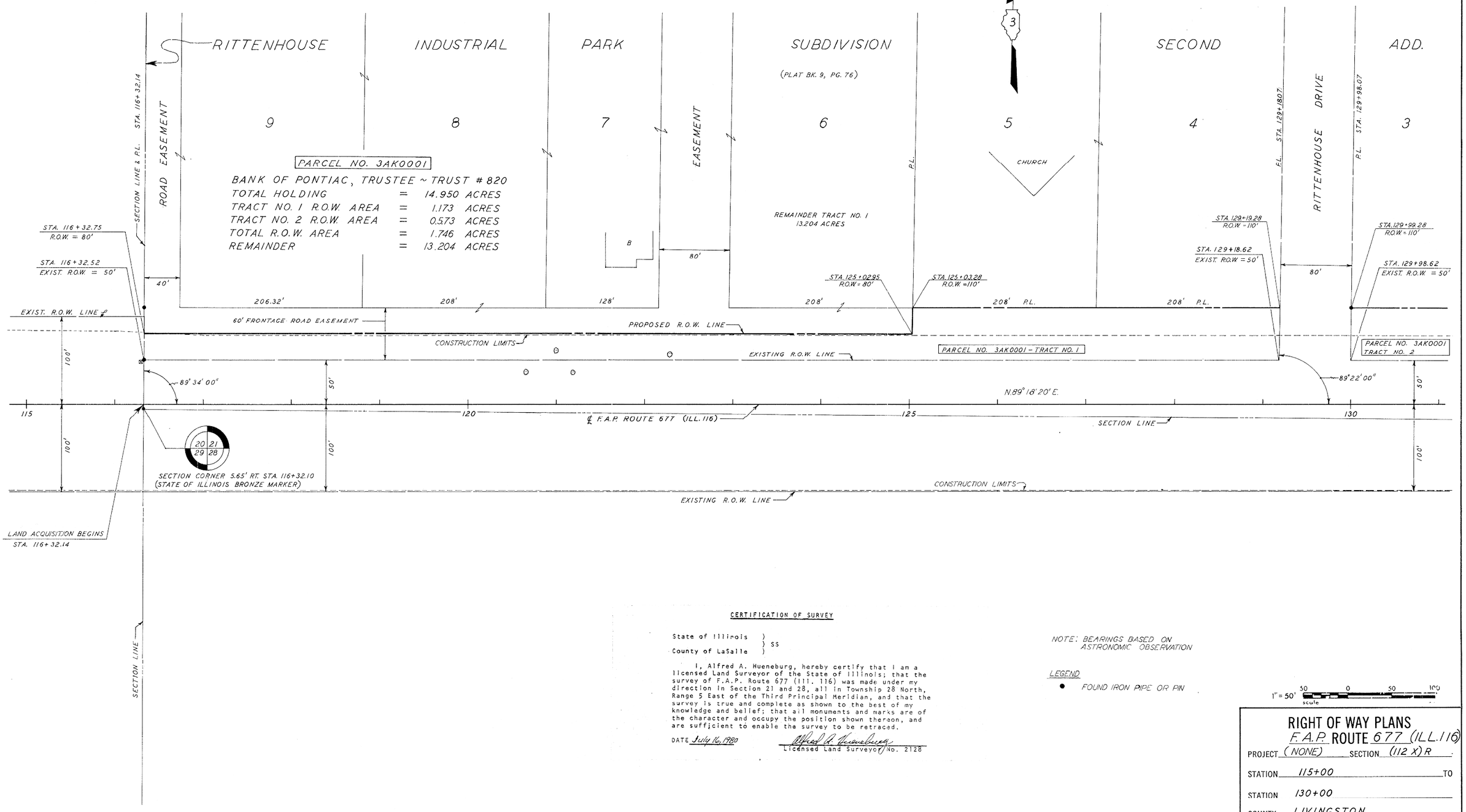
APPROVED

DIVISION ADMINISTRATOR DATE

Revis. A.H. 8-12-89

RECORDED AS DOC.# 392805 LIVINGSTON COUNTY

SECTION 21 ~ T. 28 N. ~ R. 5 E. ~ 3RD P.M.



CERTIFICATION OF SURVEY

State of Illinois)
) SS
County of LaSalle)

I, Alfred A. Hueneburg, hereby certify that I am a licensed Land Surveyor of the State of Illinois; that the survey of F.A.P. Route 677 (Ill. 116) was made under my direction in Section 21 and 28, all in Township 28 North, Range 5 East of the Third Principal Meridian, and that the survey is true and complete as shown to the best of my knowledge and belief; that all monuments and marks are of the character and occupy the position shown thereon, and are sufficient to enable the survey to be retraced.

DATE July 16, 1980

Alfred A. Hueneburg
Licensed Land Surveyor No. 2128

NOTE: BEARINGS BASED ON ASTRONOMIC OBSERVATION

LEGEND

● FOUND IRON PIPE OR PIN

1" = 50' scale 50 0 50 100

SECTION 28 ~ T. 28 N. ~ R. 5 E. ~ 3RD P.M.

RIGHT OF WAY PLANS
F.A.P. ROUTE 677 (ILL. 116)

PROJECT (NONE) SECTION (112 X) R

STATION 115+00 TO

STATION 130+00

COUNTY LIVINGSTON

SCALE 1" = 50' SHEET 2 OF 4

JOB NO. R-93-006-72

APPROVED BY _____ DISTRICT ENGINEER

DATE _____

DRAWN BY GSC 4-80
WRITTEN BY A.H. 7-80
CHECKED BY A.H. 7-80
INSPECTED BY _____

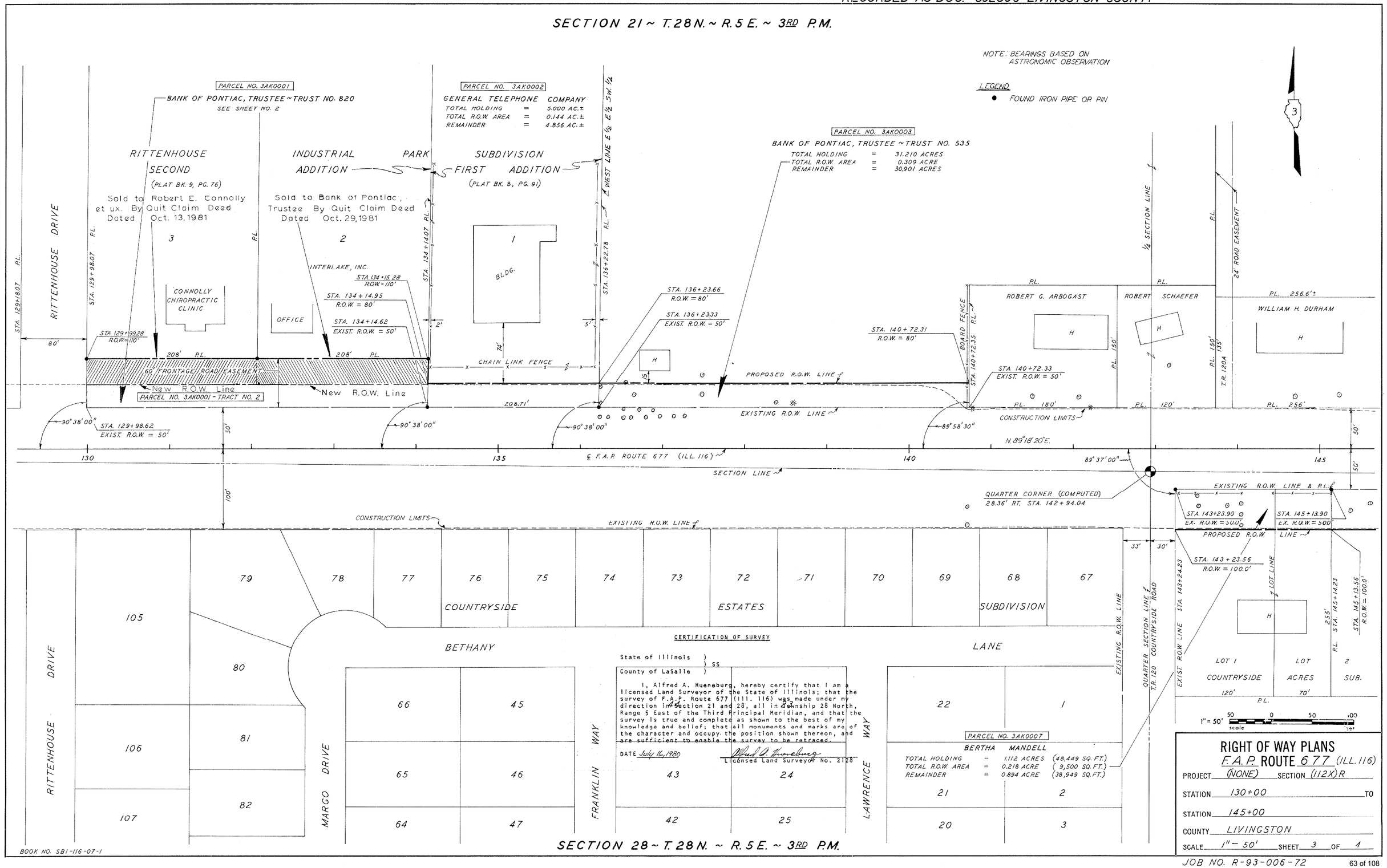
BOOK NO. SBI-116-07-1

BRW-

RECORDED AS DOC.# 392806 LIVINGSTON COUNTY

APPROVED BY _____ DISTRICT ENGINEER

DATE _____



DRAWN BY GSC 4-80
WRITTEN BY A.H. 7-80
CHECKED BY A.H. 7-80
INSPECTED BY

RIGHT OF WAY PLANS

F.A.P. ROUTE 677 (ILL. 116)

PROJECT (NONE) SECTION (112X)R

STATION 130+00 TO

STATION 145+00

COUNTY LIVINGSTON

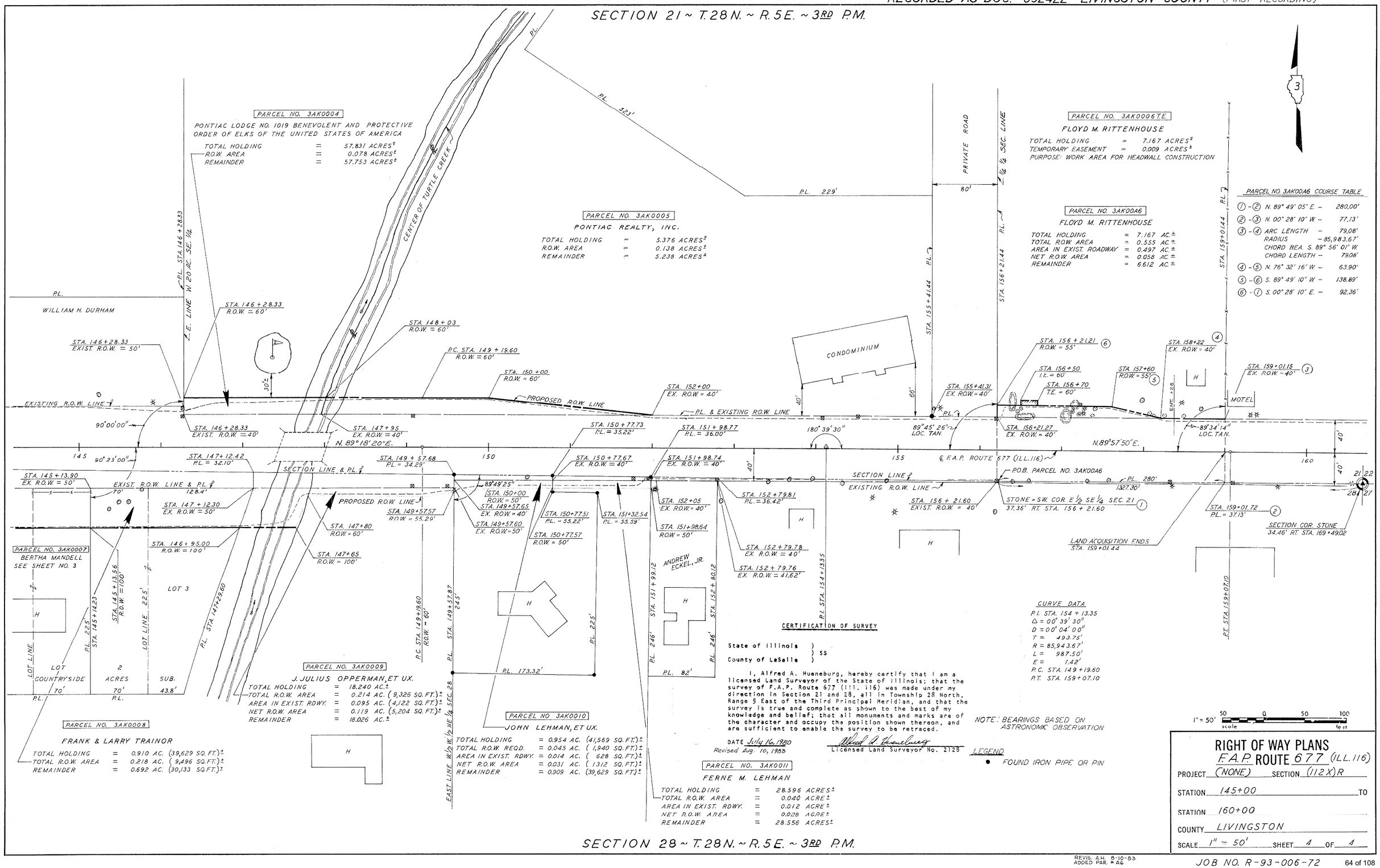
SCALE 1" = 50' SHEET 3 OF 4

JOB NO. R-93-006-72

BRW-136

RECORDED AS DOC.# 392422 LIVINGSTON COUNTY (FIRST RECORDING)

SECTION 21 ~ T.28N. ~ R.5E. ~ 3RD P.M.



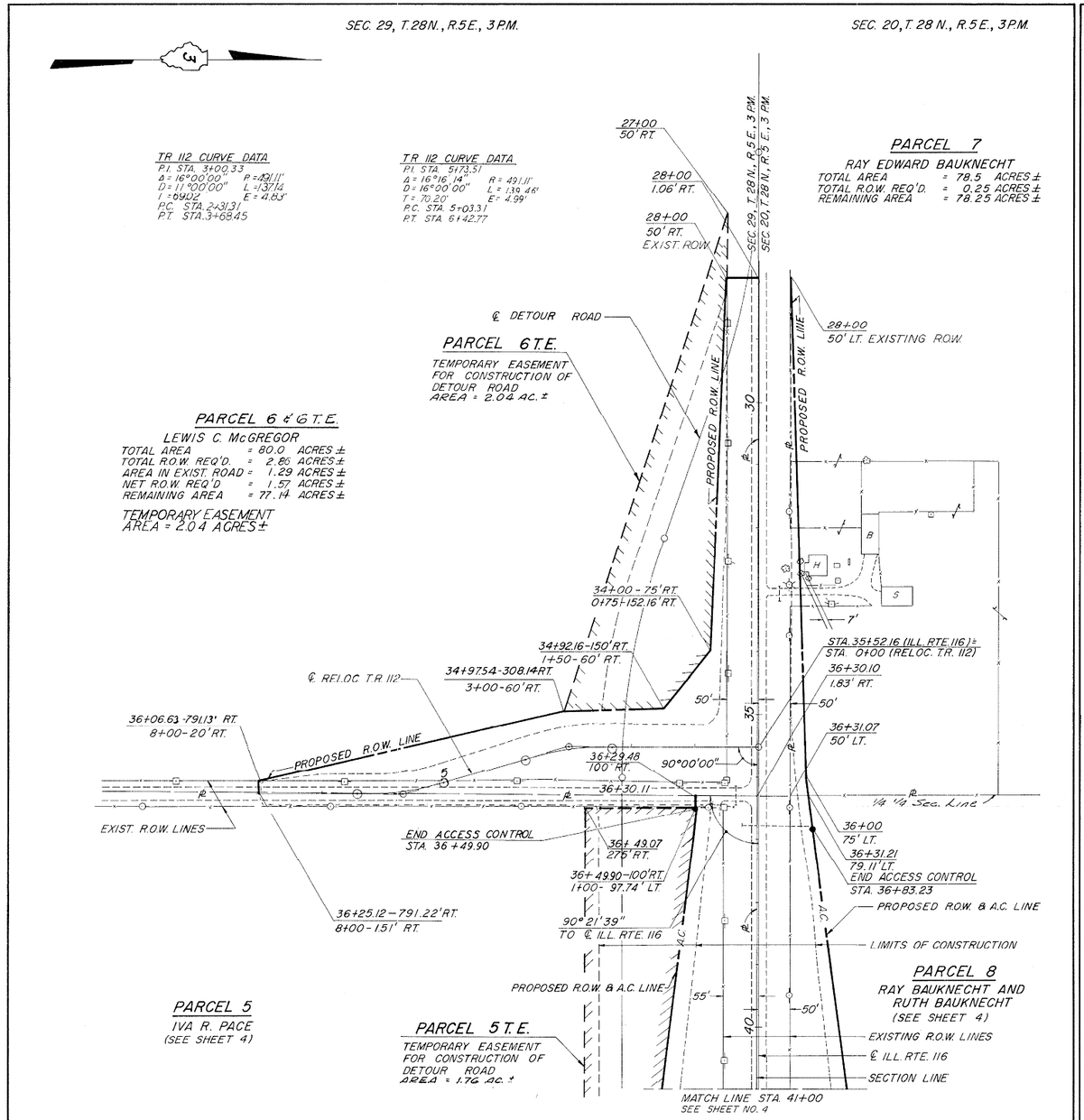
APPROVED BY _____ DISTRICT ENGINEER

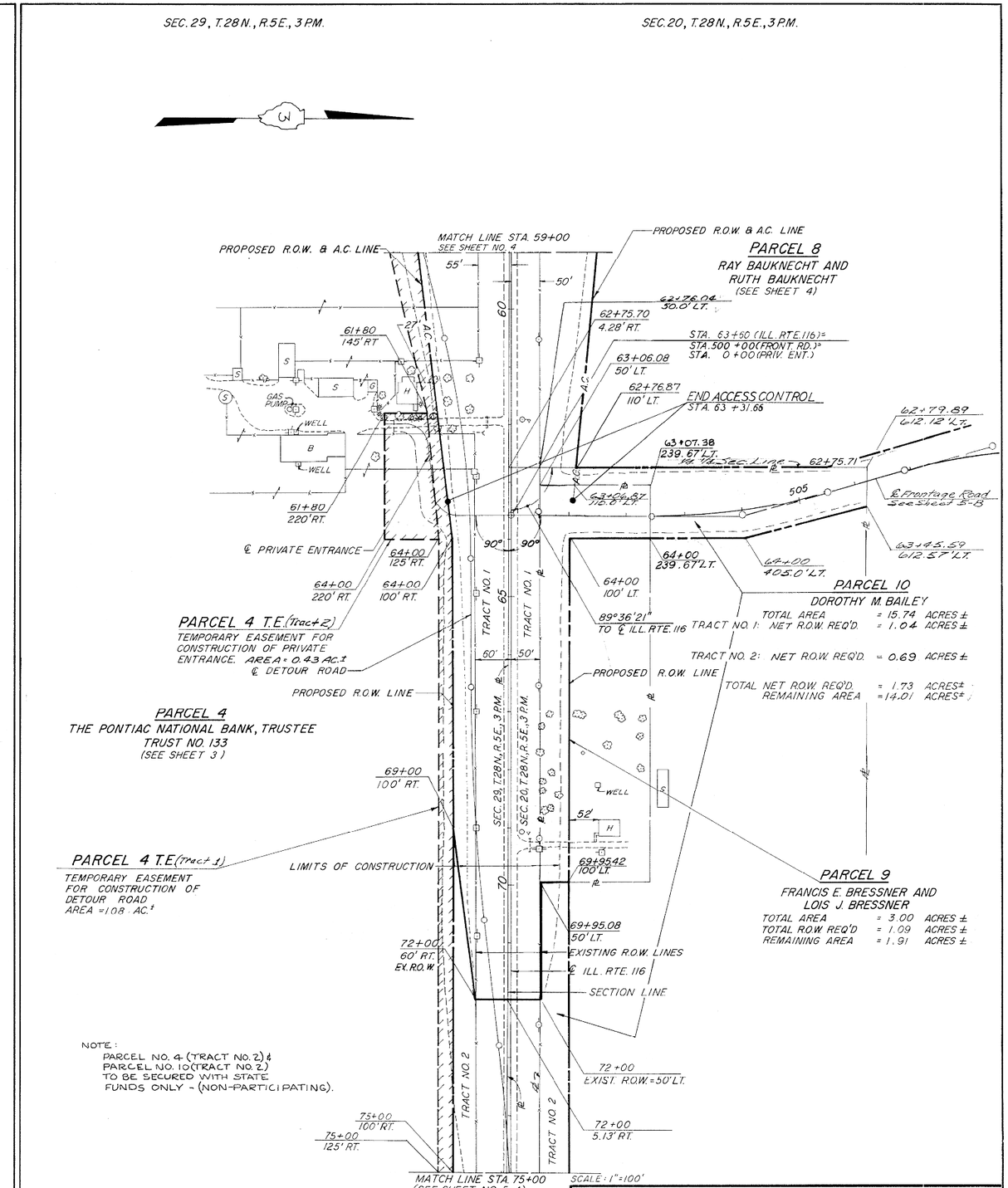
DATE _____

DRAWN BY G.S.C. 4-80
WRITTEN BY A.H. 7-80
CHECKED BY A.H. 7-80
INSPECTED BY _____

REVIS. A.H. 8-10-83
ADDED PAR. # A6

BRW - 1364





NOTE:
PARCEL NO. 4 (TRACT NO. 2) & PARCEL NO. 10 (TRACT NO. 2) TO BE SECURED WITH STATE FUNDS ONLY - (NON-PARTICIPATING).

RIGHT OF WAY PLANS

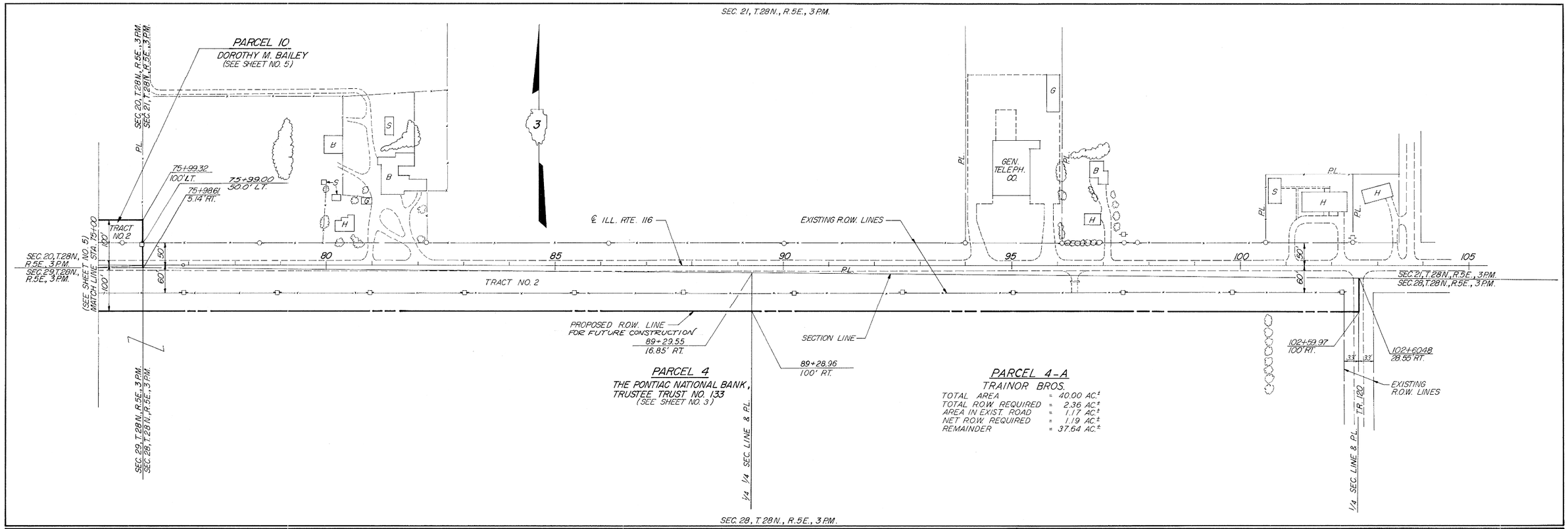
REVISIONS		
No.	DATE	INITIALS
1	8-71	C.M.C.
2	9-71	A.A.H.
3	10-71	
4		
5	10-17-72	C.M.C.
6		
7		
8		
9		
10		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

F.A.I.-55 SECTION 53-5
LIVINGSTON COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY	DATE 3-71
CHECKED BY	DATE
BOOK NUMBER	
PROJECT NO.	
SHEET NO.	5



THIS SHEET FOR INFORMATION ONLY

ALL R.O.W. SHOWN ON THIS SHEET TO BE SECURED WITH STATE FUNDS ONLY (NON-PARTICIPATING).

SCALE: 1" = 100'

RIGHT OF WAY PLANS

REVISIONS		
No.	DATE	INITIALS
1	9-71	R.A.M.
2	10-71	HLS
3		
4		
5		
6		
7		
8		
9		
10		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

F.A.I. - 55 SECTION 53-5

LIVINGSTON COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY DATE: J.L.H. 9-71
CHECKED BY DATE: D.O. 9-71
BOOK NUMBER
PROJECT NO.
SHEET NO. 5-A

SEC. 20, T.28N., R.5E., 3.P.M.

CURVE DATA
P.I. STA. 504 + 00
Δ = 15°25'58" R = 1,145.92'
D = 5°00' L = 308.66'
T = 155.27' E = 10.47'
P.C. STA. 502 + 44.73
P.T. STA. 505 + 53.39

CURVE DATA
P.I. STA. 508 + 48.12
Δ = 15°44'17" R = 1,145.92'
D = 5°00' L = 314.76'
T = 158.38' E = 10.89'
P.C. STA. 506 + 89.74
P.T. STA. 510 + 04.50

PARCEL 8
RAY BAUKNECHT AND RUTH BAUKNECHT
(SEE SHEET 4)

REMAINING AREA
THIS SIDE = 50.44 AC.±

PARCEL NO. A8-A T.E.
SEE SHEET 6

PARCEL 8A
RAY BAUKNECHT AND RUTH BAUKNECHT
TOTAL AREA = 50.44 ACRES±
NET R.O.W. REQ'D. = 0.07 ACRES±
REMAINING AREA = 50.37 ACRES±

℄ ILL. RTE. 116
SECTION LINE
PARCEL 8
TRACT NO. 1
63 + 06.08
50' LT.
62 + 76.47
110' LT.
63 + 07.38
239.67' LT.
505 + 58.71
40' LT.
506 + 24.39
20.58' LT.
508 + 47.12
51.27' LT.
℄ FRONTAGE ROAD
PARCEL 8
TRACT NO. 2
PROPOSED R.O.W. LINE
62 + 75.70
4.28' RT.
℄ 62 + 75.71
1/4 1/4 SEC. LINE
3.72 ACRES ±
END ACCESS CONTROL
STA. 63 + 31.66
505
510
515
520
525
530
90°00'00"
508 + 00
40' RT.
510 + 00
40' RT.
513 + 16.51
40' RT.
LIMITS OF CONSTRUCTION
506 + 06.86
42.67' RT.
STA. 63 + 60.00
(ILL. RTE. 116) =
STA. 500 + 00.00
(FRONTAGE ROAD)
64 + 00
100' LT.
64 + 00
239.67' LT.
64 + 00
405' LT.
PARCEL 10
DOROTHY M. BAILEY
(SEE SHEET 5)
PARCEL 9
FRANCIS E. BRESSNER
AND
LOIS J. BRESSNER
(SEE SHEET 5)
PARCEL 8
RAY BAUKNECHT & RUTH BAUKNECHT
(SEE SHEET 4)
REMAINING AREA
THIS SIDE = 19.81 AC.±

30'
TEMP. EASEMENT LINE
40' 33'
526 + 08.03
40' LT.
526 + 07.95
125' LT.
526 + 80.95
125' LT.
STA. 526 + 48.07 =
℄ I.C.R.R.
89°56'35"
525 + 35
40' LT.
527 + 60
40' LT.
525 + 35
40' RT.
527 + 60
40' RT.
1/4 1/4 SEC. LINE
526 + 08.19
125' RT.
526 + 81.19
125' RT.
526 + 08.11
40' RT.
ILLINOIS CENTRAL RAILROAD
526 + 81.07
30'
PARCEL 44
F. M. RITTENHOUSE
TOTAL AREA = 40.00 ACRES ±
TOTAL R.O.W. REQ'D. = 0.07 ACRES ±
REMAINING AREA = 39.93 ACRES ±

PARCEL NO. A44 T.E.
FLOYD M. RITTENHOUSE
TEMP. CONST. EASEMENT = 2.32 AC.±
PURPOSE: CONST. DITCH ON I.C. RR. R.O.W.

NOTE: THIS EASEMENT EXTENDS TO THE WEST BANK OF VERMILLION RIVER.

525 + 78.07
TEMP. EASEMENT LINE
526 + 08.07

SEC. 20, T.28N., R.5E., 3.P.M.

PARCEL NO. 12
MERLE V. KOERNER, RUTH KOERNER McCABE
AND ALICE KOERNER
(SEE SHEET 6)

20'
20'

REMAINING AREA
THIS SIDE = 15.69 AC.±

553 + 19.24
91.30' LT.
553 + 01.30
91.30' LT.
552 + 50.00
40' LT.
Exist. R.O.W.
Exist. R.O.W.
℄ FRONTAGE ROAD
PROPOSED R.O.W. LINE
530
535
540
545
550
40'
40'
89°35'55"
90°26'12"
TO SEC. LINE
Well
PROPOSED R.O.W. LINE
552 + 50.00
40' RT.
STA. 553 + 21.94
AT ℄ EXISTING TR.125
℄ EXISTING TR.125
SECTION LINE
553 + 02.59
92.59' RT.
553 + 20.64
92.59' RT.
LIMITS OF CONSTRUCTION
553 + 19.94
SEC. 20, T.28N., R.5E.
SEC. 17, T.28N., R.5E.

REMAINING AREA
THIS SIDE = 13.00 AC.±

REMAINING AREA
THIS SIDE = 39.22 AC.±

PARCEL NO. 43
DUANE V. HAAS &
ELLEN R. HAAS
TOTAL AREA = 93.00 ACRES±
TOTAL R.O.W. REQ'D. = 5.09 ACRES±
AREA IN EXIST. ROAD = 0.07 ACRES±
NET R.O.W. REQ'D. = 5.02 ACRES±
REMAINING AREA = 87.91 ACRES±

SCALE: 1" = 100'

RIGHT OF WAY PLANS

REVISIONS		
No.	DATE	INITIALS
1	9-7-71	A.A.K.
2	7-10-73	AI
3		
4		
5		
6		
7		
8		
9		
10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

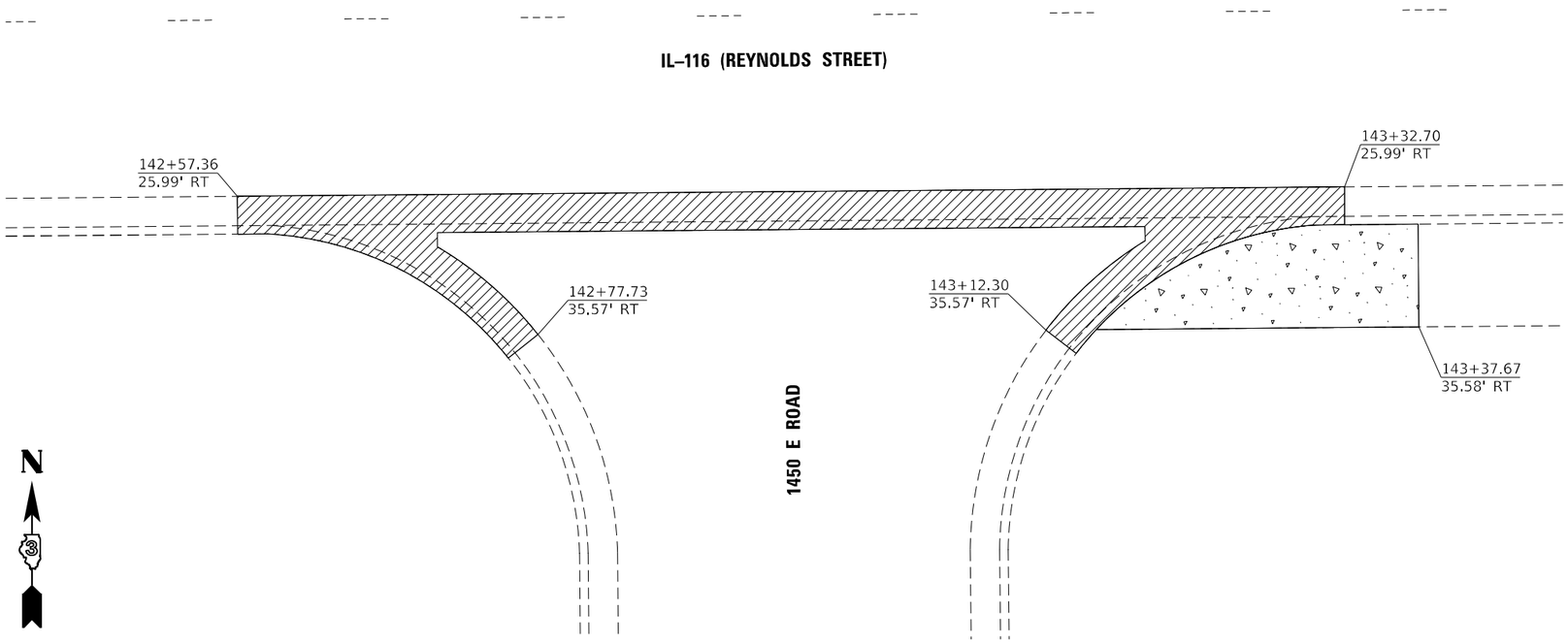
F.A.I.-55 SECTION 53-5
LIVINGSTON COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY	DATE DJC 4-72
CHECKED BY	DATE DS 4-72
BOOK NUMBER	
PROJECT NO.	
SHEET NO.	5-B

CUSHING & COMPANY

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



REMOVAL LEGEND

- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

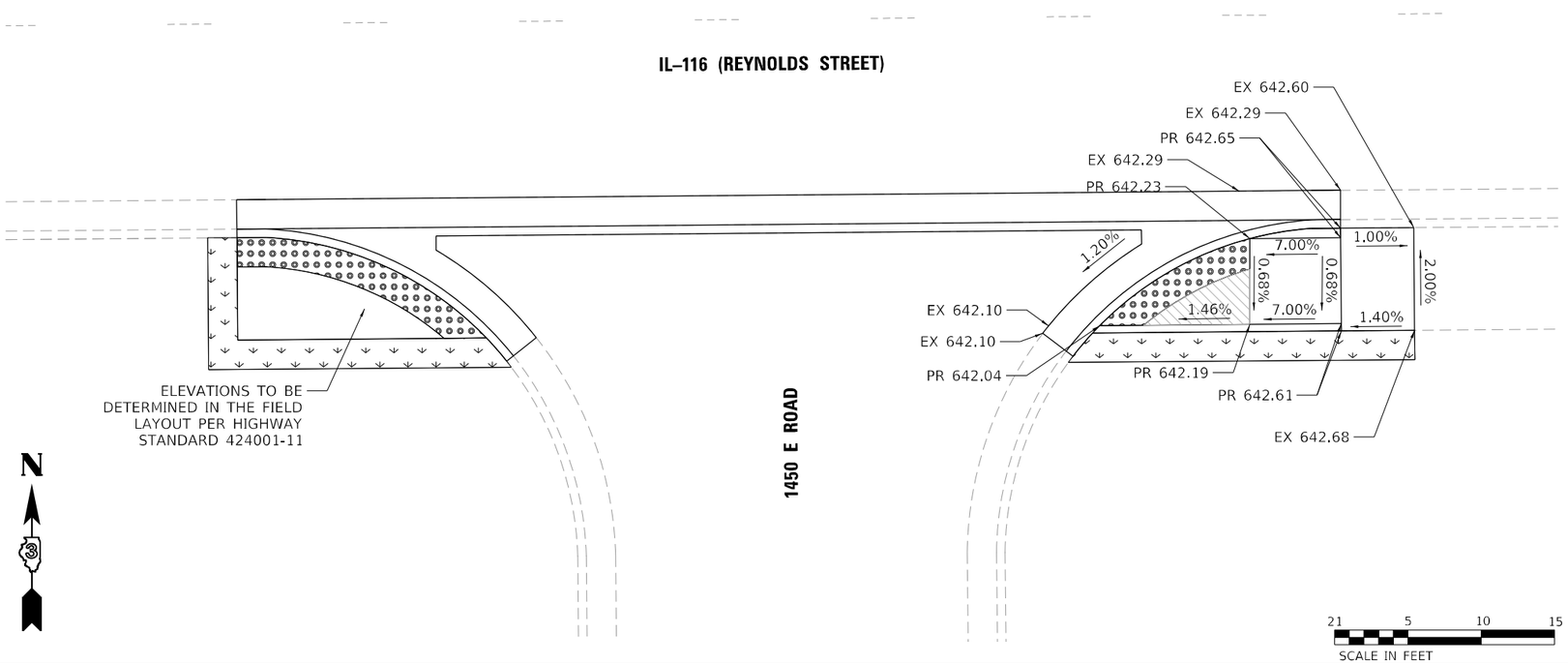
NOTES:
1. SEE HIGHWAY STANDARDS 424001-424031 FOR MAX SLOPES AND ADDITIONAL REQUIREMENTS.

2. SEE HIGHWAY STANDARD 606001 FOR CURB AND GUTTER REQUIREMENTS NEXT TO ADA RAMPS.

3. ALL CROSS-SLOPES IN THE DIRECTION OF TRAVEL ARE AN ABSOLUTE MAXIMUM OF 2%. LAYOUT SHOULD BE AT 1.5% TO ALLOW FOR ERROR WHILE REMAINING WITH THE MAXIMUM SLOPE.

4. SIDEWALK CURBS ARE SHOWN ONLY AS REQUIRED BY FIELD CONDITIONS AND MAY BE OMITTED IF FOUND TO BE UNNECESSARY.

5. SIDEWALK CURBS ARE INCLUDED IN THE COST OF THE SIDEWALK.



GRADING LEGEND

- DETECTABLE WARNING
- TURNING SPACE / LEVEL LANDING 1.5% CROSS-SLOPE OR LESS, BOTH DIRECTIONS
- SODDING AREA

	CODED PAY ITEM	UNIT	QUANTITY
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1
25200100	SODDING	SQ YD	12
25200200	SUPPLEMENTAL WATERING	UNIT	0.2
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	10
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	203
42400800	DETECTABLE WARNINGS	SQ FT	55
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	116
44000600	SIDEWALK REMOVAL	SQ FT	119
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	116

MODEL: Default
FILE NAME: N:\2024\240467\240467.03\Drawings\Main\CADD_Sheets\0366E54-ch-dtlw01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
1450 E ROAD

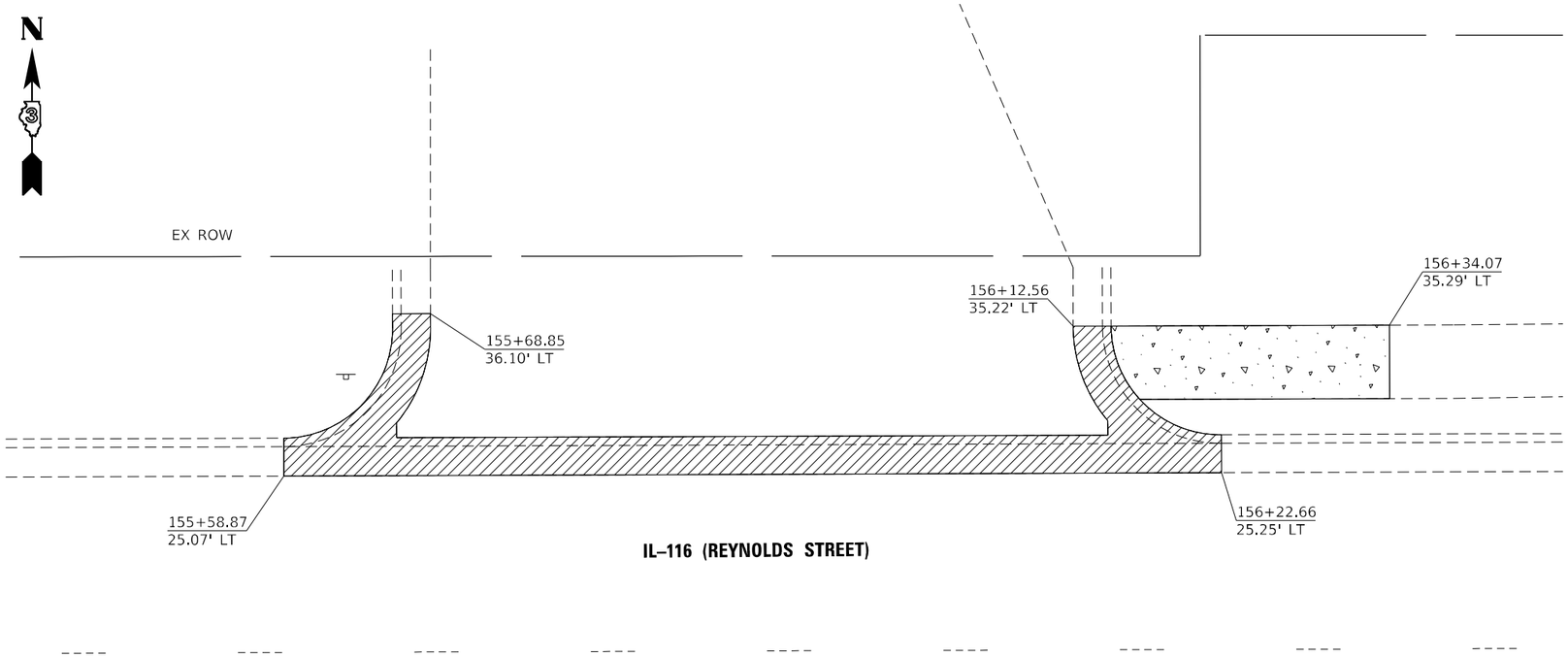
SCALE: 1"=5' | SHEET 1 OF 11 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	68

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



REMOVAL LEGEND

- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

NOTES:
1. SEE HIGHWAY STANDARDS 424001-424031 FOR MAX SLOPES AND ADDITIONAL REQUIREMENTS.

2. SEE HIGHWAY STANDARD 606001 FOR CURB AND GUTTER REQUIREMENTS NEXT TO ADA RAMPS.

3. ALL CROSS-SLOPES IN THE DIRECTION OF TRAVEL ARE AN ABSOLUTE MAXIMUM OF 2%. LAYOUT SHOULD BE AT 1.5% TO ALLOW FOR ERROR WHILE REMAINING WITH THE MAXIMUM SLOPE.

4. SIDEWALK CURBS ARE SHOWN ONLY AS REQUIRED BY FIELD CONDITIONS AND MAY BE OMITTED IF FOUND TO BE UNNECESSARY.

5. SIDEWALK CURBS ARE INCLUDED IN THE COST OF THE SIDEWALK.

GRADING LEGEND

- DETECTABLE WARNING
- TURNING SPACE / LEVEL LANDING 1.5% CROSS-SLOPE OR LESS, BOTH DIRECTIONS
- SODDING AREA

	CODED PAY ITEM	UNIT	QUANTITY
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1
25200100	SODDING	SQ YD	14
25200200	SUPPLEMENTAL WATERING	UNIT	0.2
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	5
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	147
42400800	DETECTABLE WARNINGS	SQ FT	20
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	93
44000600	SIDEWALK REMOVAL	SQ FT	92
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	93

21 5 10 15
SCALE IN FEET

MODEL: Default
FILE NAME: N:\2024\240467\240467-03\Drawings\Mster\CADD_Sheets\0366E54-sh-drive02.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
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630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 10'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

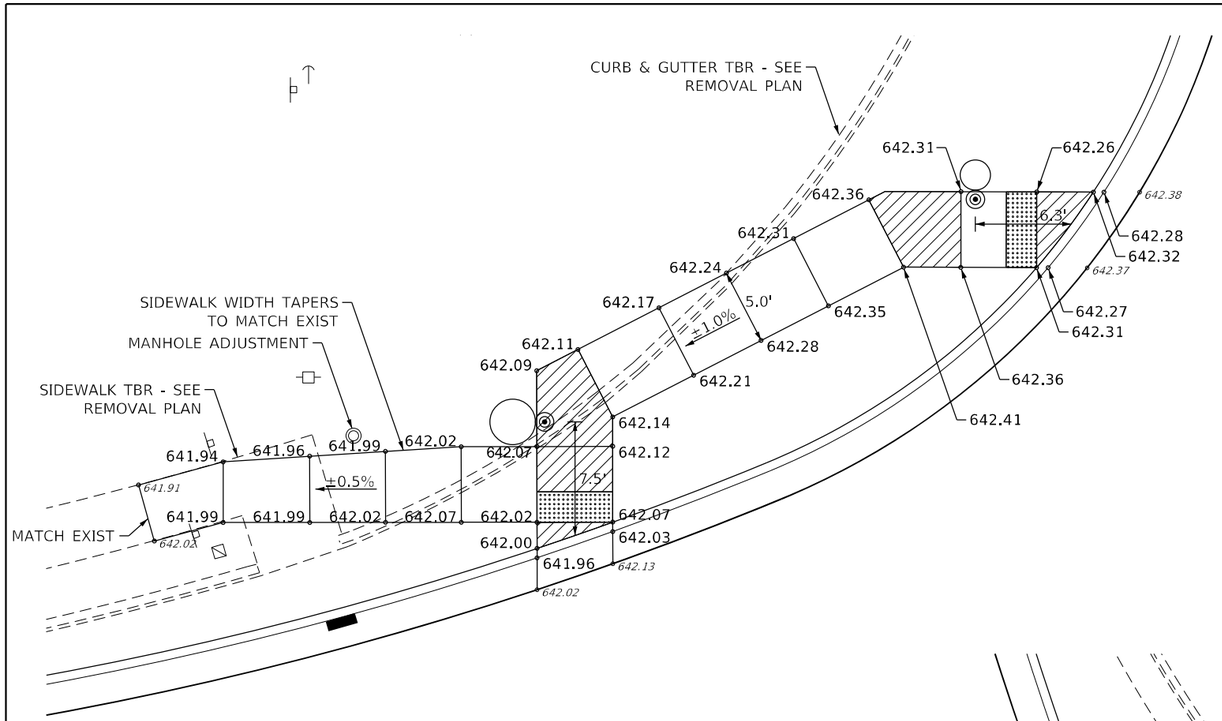
ADA DETAILS
ELKS CLUB ROAD

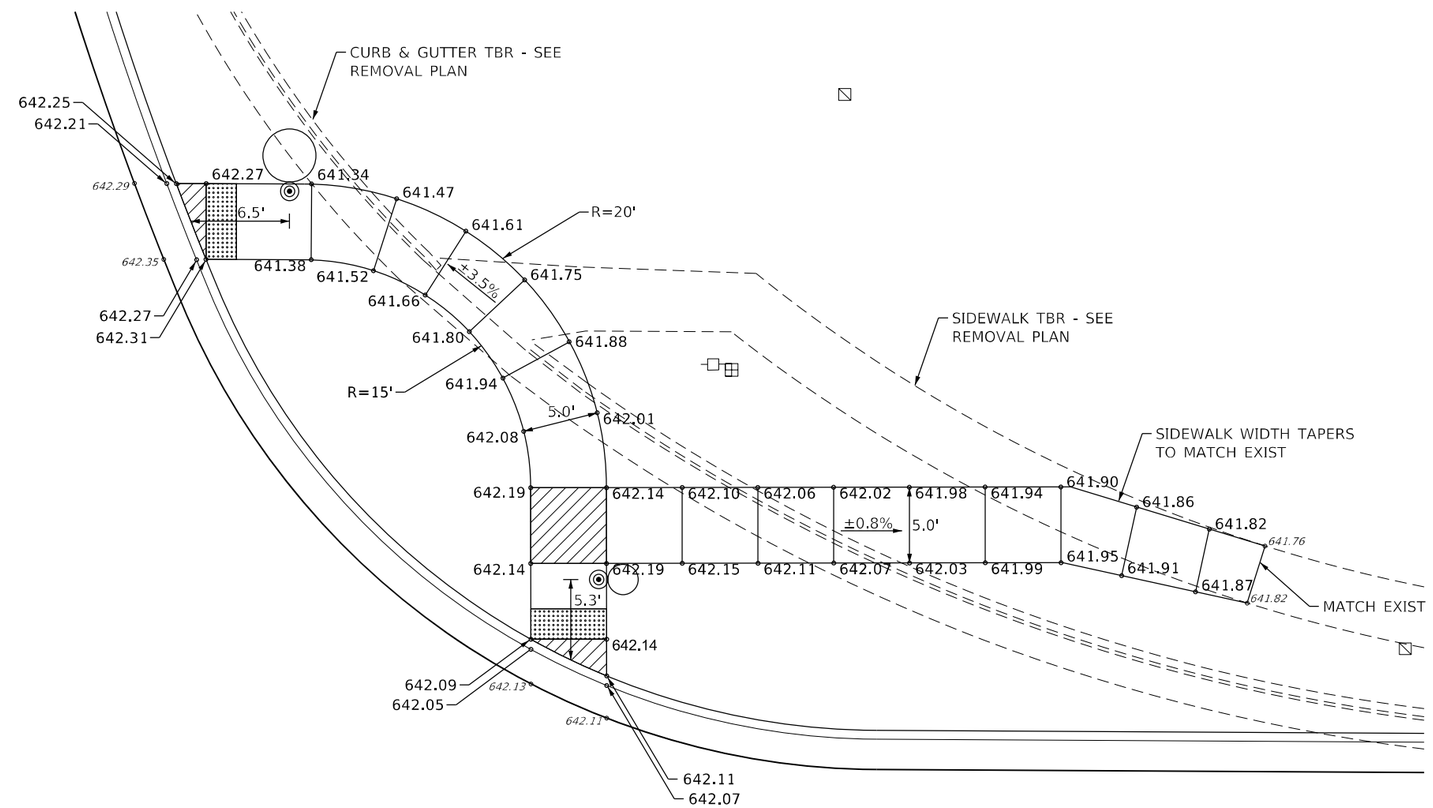
SCALE: 1"=5' | SHEET 2 OF 11 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	69

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT





ADA LEGEND

▨	TURNING SPACE, SLOPE 1.5% MAXIMUM IN ALL DIRECTIONS
▦	DETECTABLE WARNINGS
◎	FOUNDATION WITH MAST ARM/SIGNAL POST AND APS PUSH BUTTON
641.80	PROPOSED ELEVATION
641.47	EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

MODEL: Default
FILE NAME: V:\2845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\D366E54-sht-ada.dgn

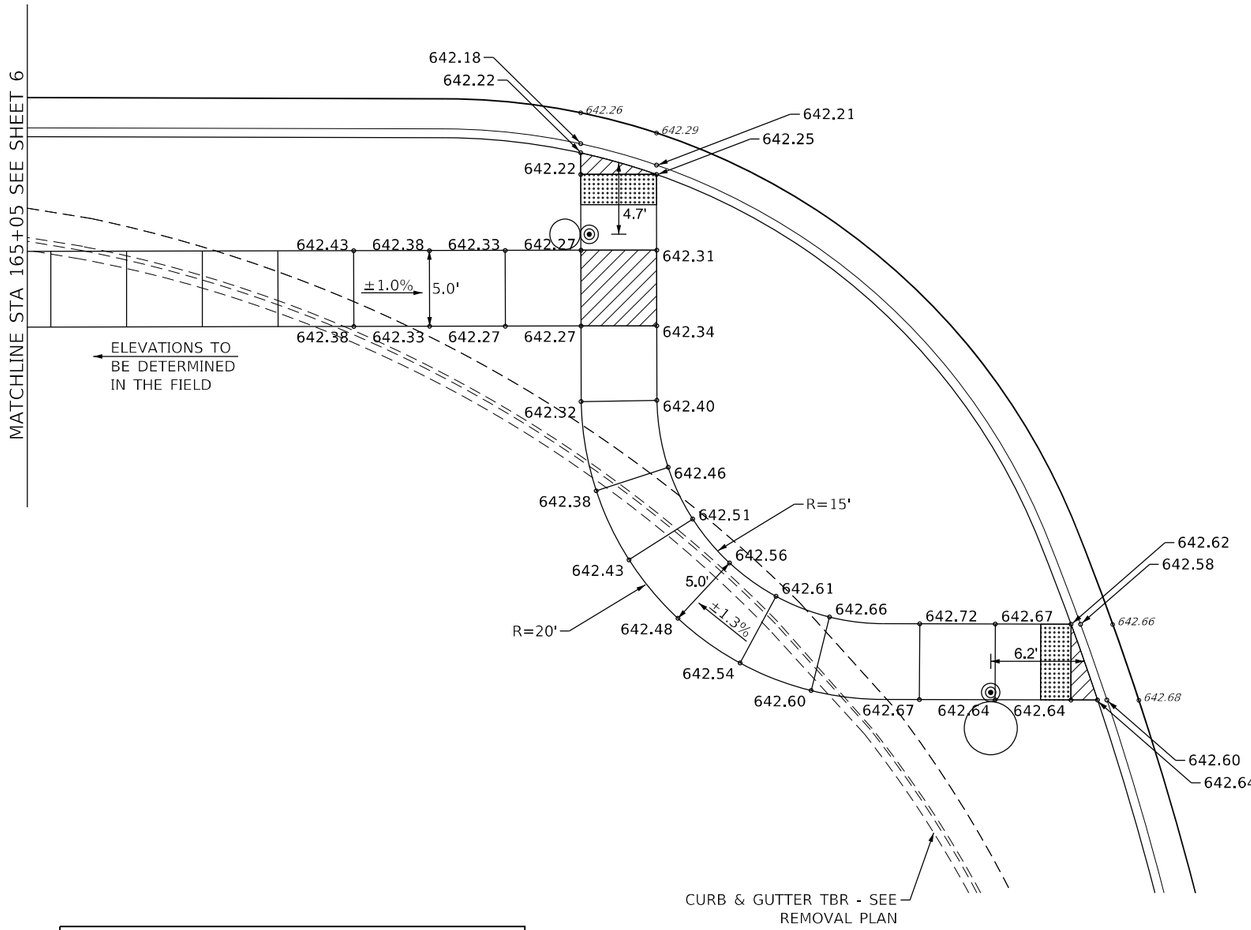
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/20/2024	DATE -	REVISED -

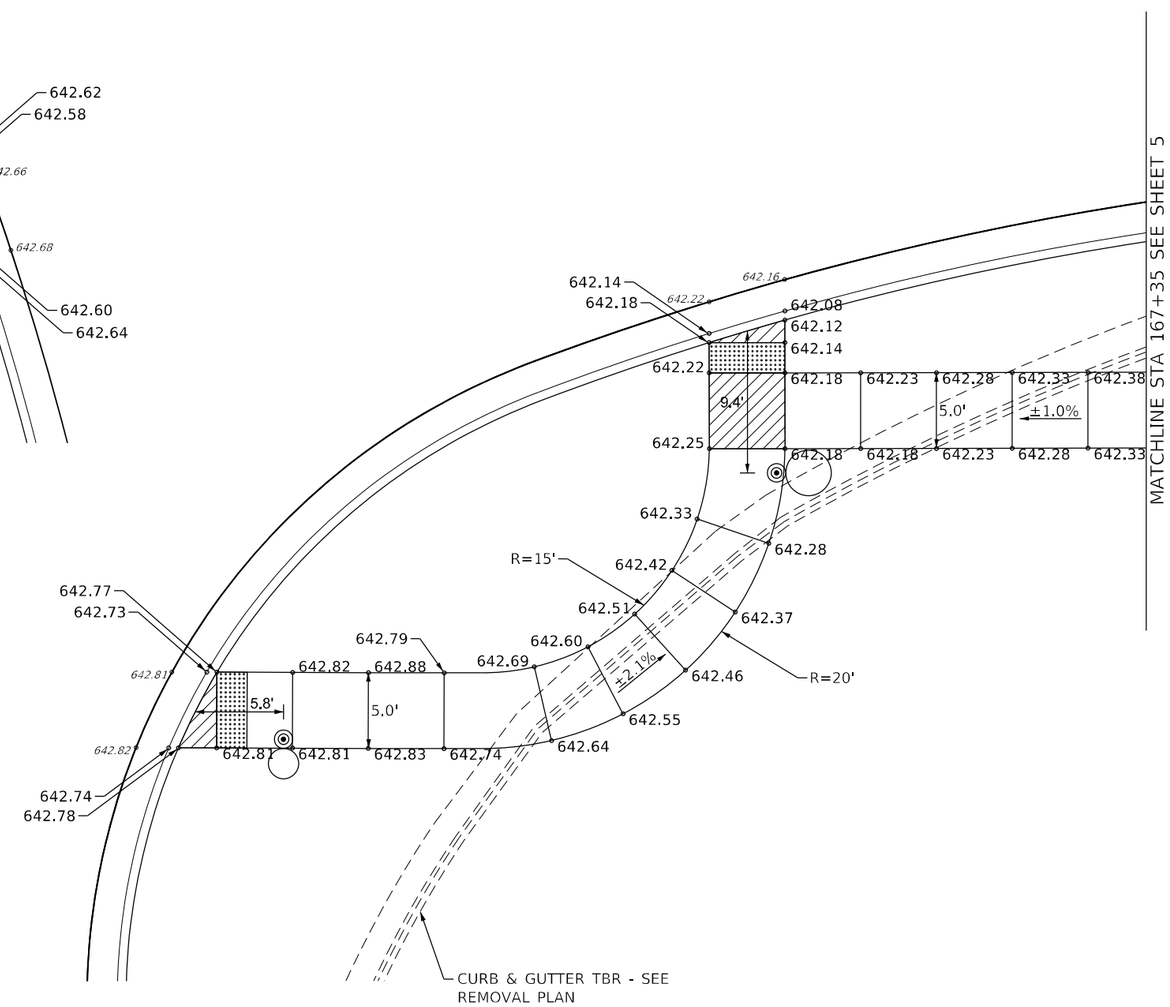
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 116 AND OR 66 (NW & NE)

SCALE: | SHEET 3 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	70
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		





ADA LEGEND

(hatched)	TURNING SPACE, SLOPE 1.5% MAXIMUM IN ALL DIRECTIONS
(dotted)	DETECTABLE WARNINGS
(circle)	FOUNDATION WITH MAST ARM/SIGNAL POST AND APS PUSH BUTTON
641.80	PROPOSED ELEVATION
641.47	EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-ada.dgn

Hutchison Engineering, Inc.

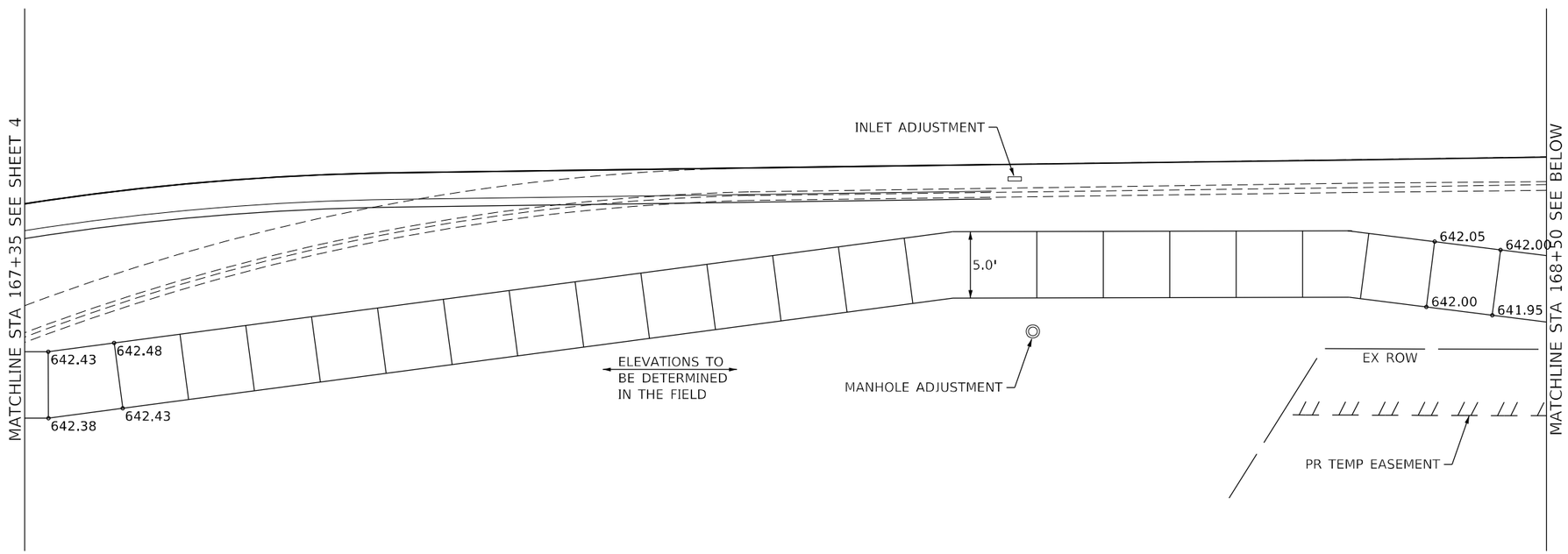
USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/20/2024	DATE -	REVISED -

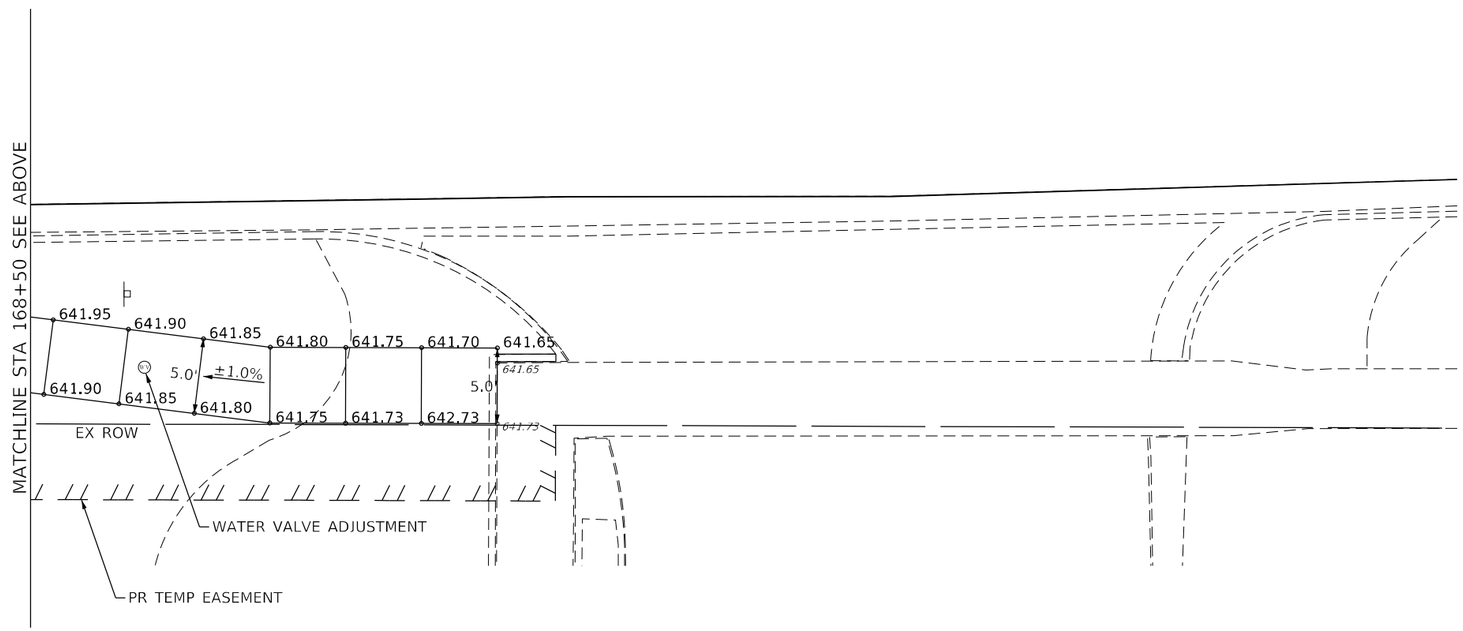
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 116 AND OR 66 (SW & SE)

SCALE: | SHEET 4 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	71
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		





ADA LEGEND

	TURNING SPACE, SLOPE 1.5% MAXIMUM IN ALL DIRECTIONS
	DETECTABLE WARNINGS
	FOUNDATION WITH MAST ARM/SIGNAL POST AND APS PUSH BUTTON
641.80	PROPOSED ELEVATION
641.47	EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

MODEL: Default
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Hutchison Engineering, Inc.

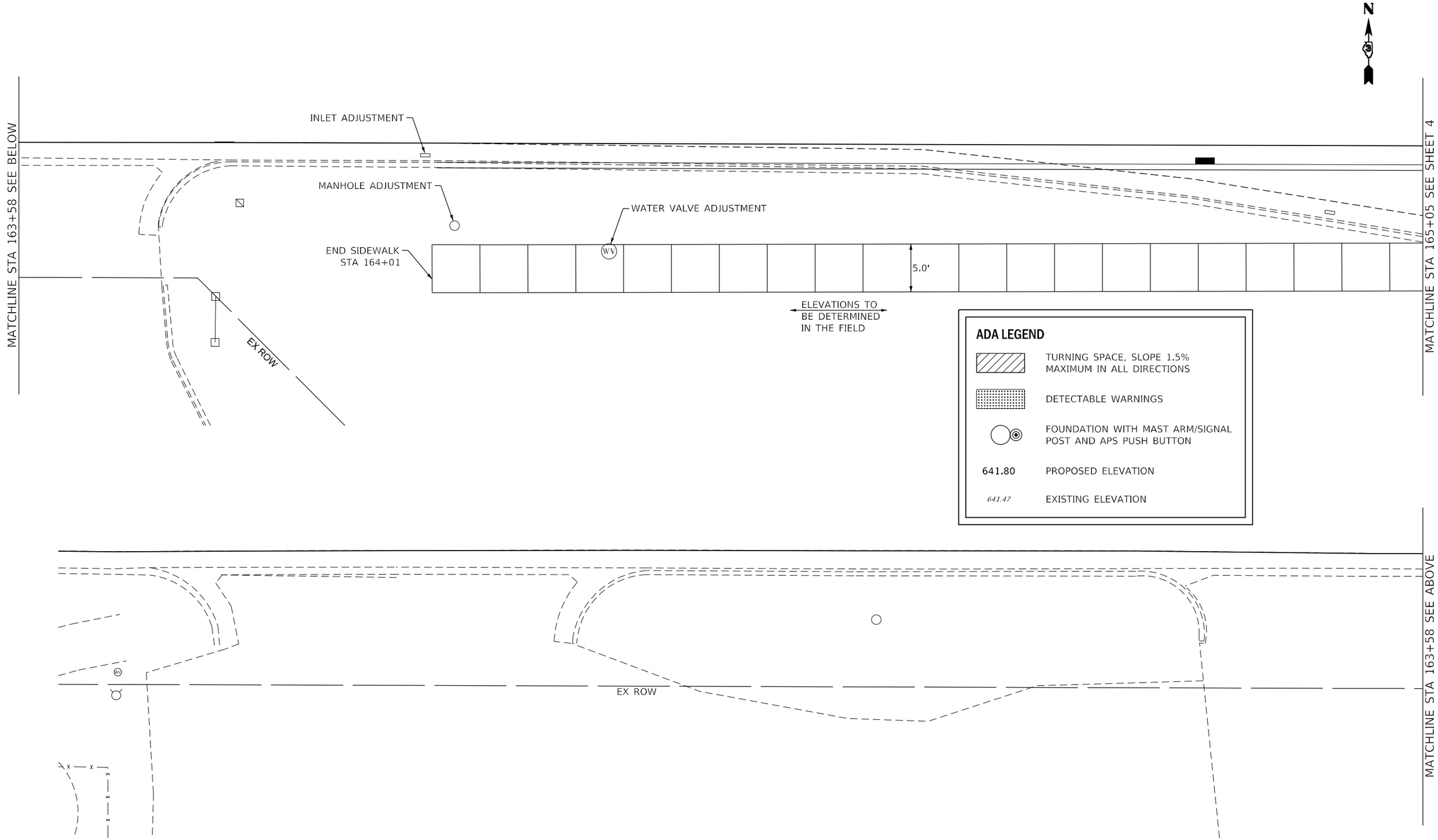
USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 116 AND OR 66 (SE)

SCALE: | SHEET 5 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	72
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



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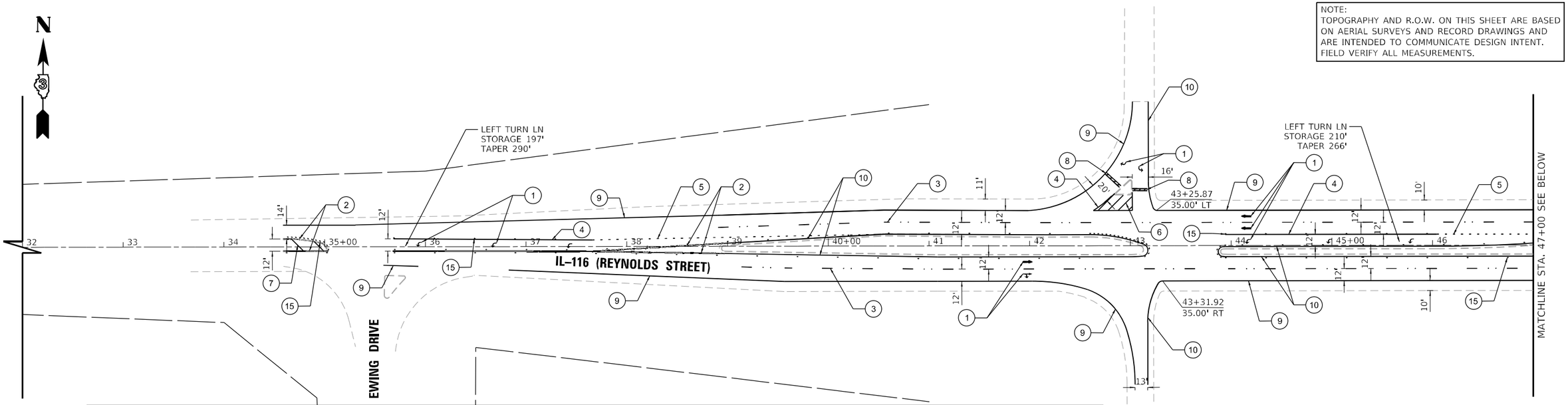
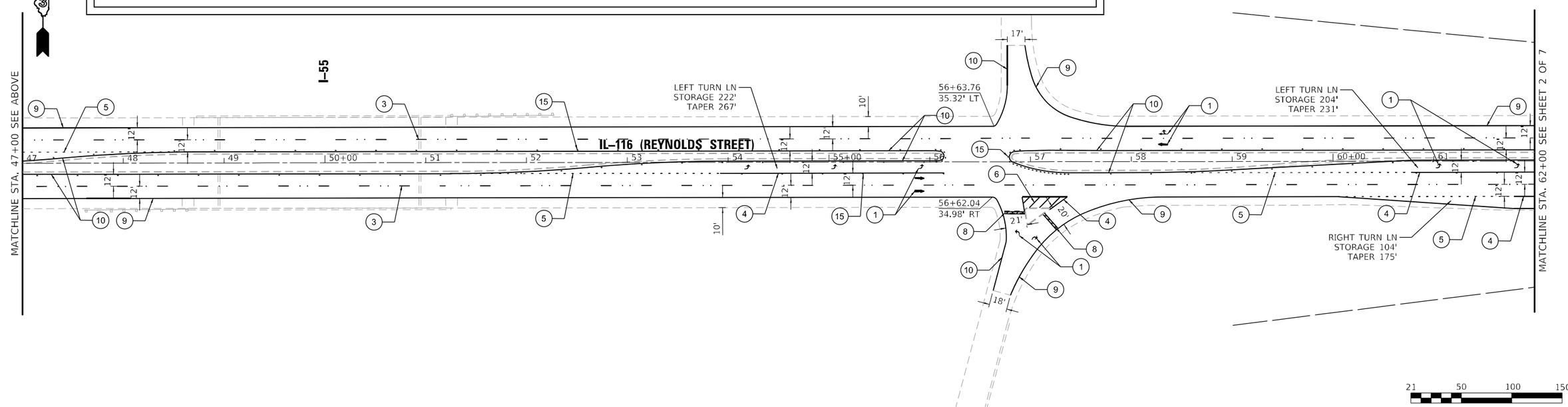
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA DETAILS IL 116 AND OR 66 (SW)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 73
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/25/2024	DATE -	REVISED -		SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, LETTERS AND SYMBOLS, WHITE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
3. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 6" DASHED WHITE LINE (10' DASH, 30' SKIP), (TYP.)
4. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" SOLID WHITE LINE (TYP.)
5. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" DOTTED WHITE LINE (2' DASH, 6' SKIP), (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, 10' SPACING (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
8. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 24" SOLID WHITE STOP LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID WHITE EDGE LINE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID YELLOW EDGE LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, SEE PLANS FOR SPACING (TYP.)
12. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" SOLID WHITE EDGE LINE (TYP.)
13. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
14. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
15. RAISED REFLECTIVE PAVEMENT MARKERS SEE DETAIL FOR LAYOUT



21 50 100 150
SCALE IN FEET

MODEL: Default
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V3 Companies
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www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

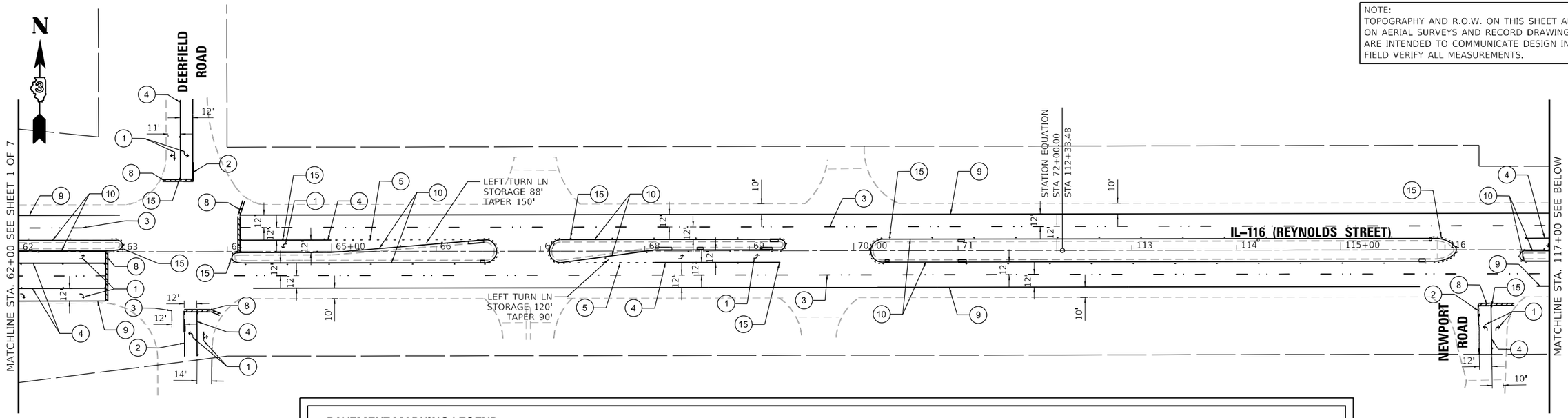
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
IL 116 / REYNOLDS STREET

SCALE: 1"=50' | SHEET 1 OF 7 SHEETS | STA. 32+00.00 TO STA. 62+00.00

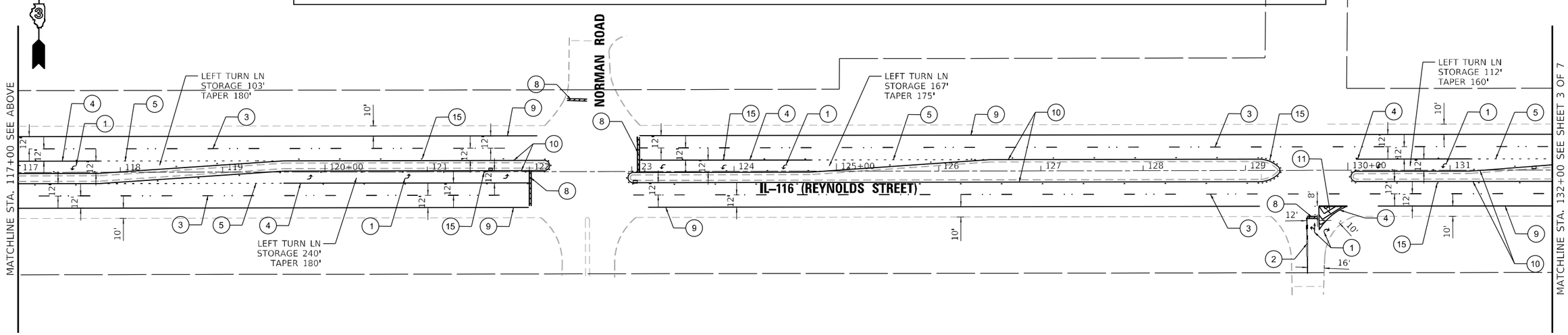
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	74
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, LETTERS AND SYMBOLS, WHITE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
3. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 6" DASHED WHITE LINE (10' DASH, 30' SKIP), (TYP.)
4. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" SOLID WHITE LINE (TYP.)
5. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" DOTTED WHITE LINE (2' DASH, 6' SKIP), (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, 10' SPACING (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
8. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 24" SOLID WHITE STOP LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID WHITE EDGE LINE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID YELLOW EDGE LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, SEE PLANS FOR SPACING (TYP.)
12. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" SOLID WHITE EDGE LINE (TYP.)
13. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
14. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
15. RAISED REFLECTIVE PAVEMENT MARKERS SEE DETAIL FOR LAYOUT



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SCALE IN FEET

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V3 Companies
7325 Janes Avenue
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www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

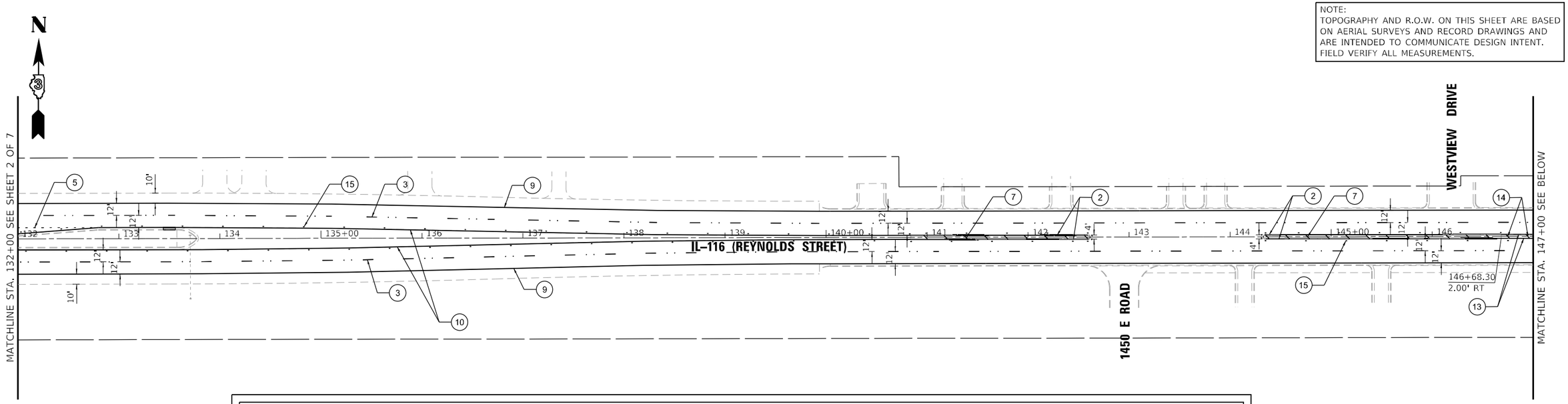
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
IL 116/REYNOLDS STREET

SCALE: 1"=50' | SHEET 2 OF 7 SHEETS | STA. 62+00.00 TO STA. 132+00.00

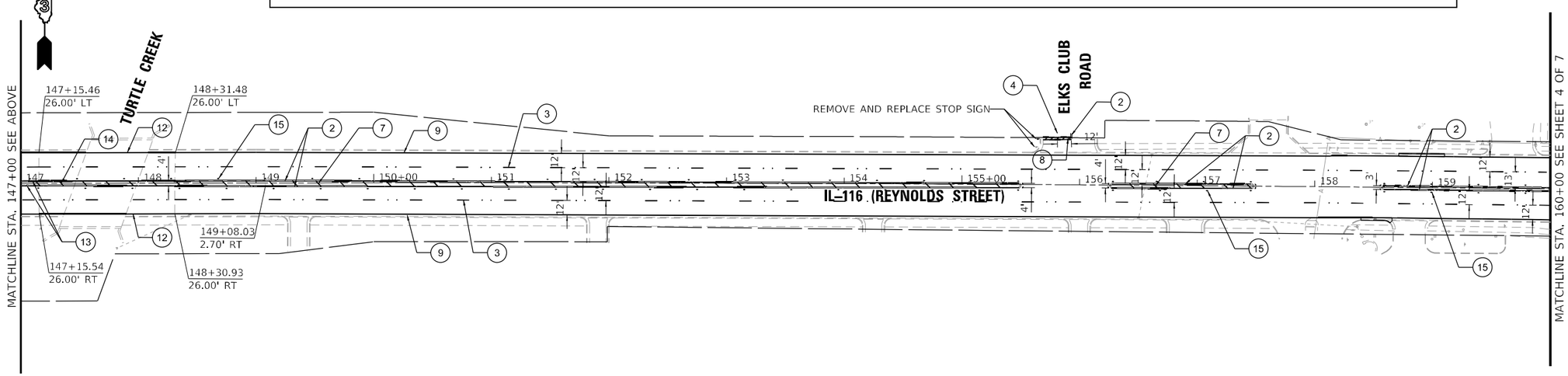
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	75
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.



PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, LETTERS AND SYMBOLS, WHITE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
3. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 6" DASHED WHITE LINE (10' DASH, 30' SKIP), (TYP.)
4. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" SOLID WHITE LINE (TYP.)
5. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" DOTTED WHITE LINE (2' DASH, 6' SKIP), (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, 10' SPACING (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
8. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 24" SOLID WHITE STOP LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID WHITE EDGE LINE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID YELLOW EDGE LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, SEE PLANS FOR SPACING (TYP.)
12. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" SOLID WHITE EDGE LINE (TYP.)
13. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
14. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
15. RAISED REFLECTIVE PAVEMENT MARKERS SEE DETAIL FOR LAYOUT



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V3 Companies
7325 Janes Avenue
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630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 100'	CHECKED - JWB	REVISED -
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -

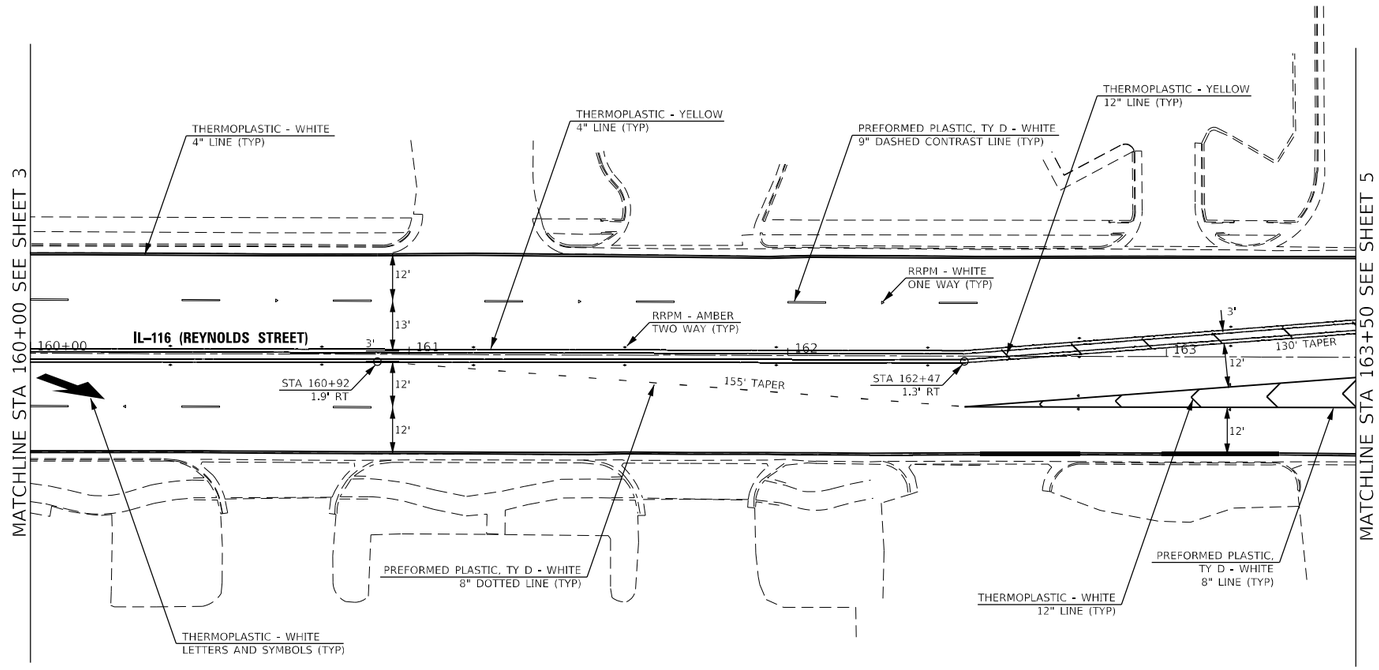
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

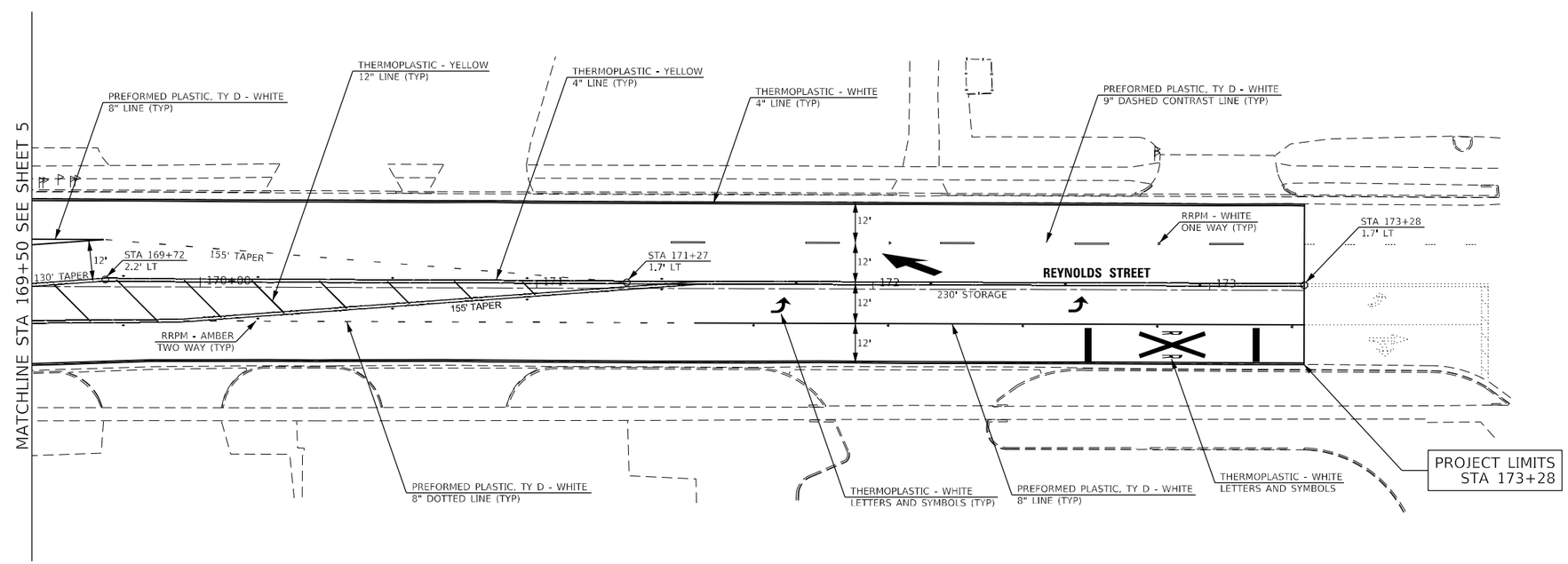
PAVEMENT MARKING AND SIGNING PLAN
IL 116/REYNOLDS STREET

SCALE: 1"=50' | SHEET 3 OF 7 SHEETS | STA. 132+00.00 TO STA. 160+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	76

CONTRACT NO. 66E54
ILLINOIS FED. AID PROJECT



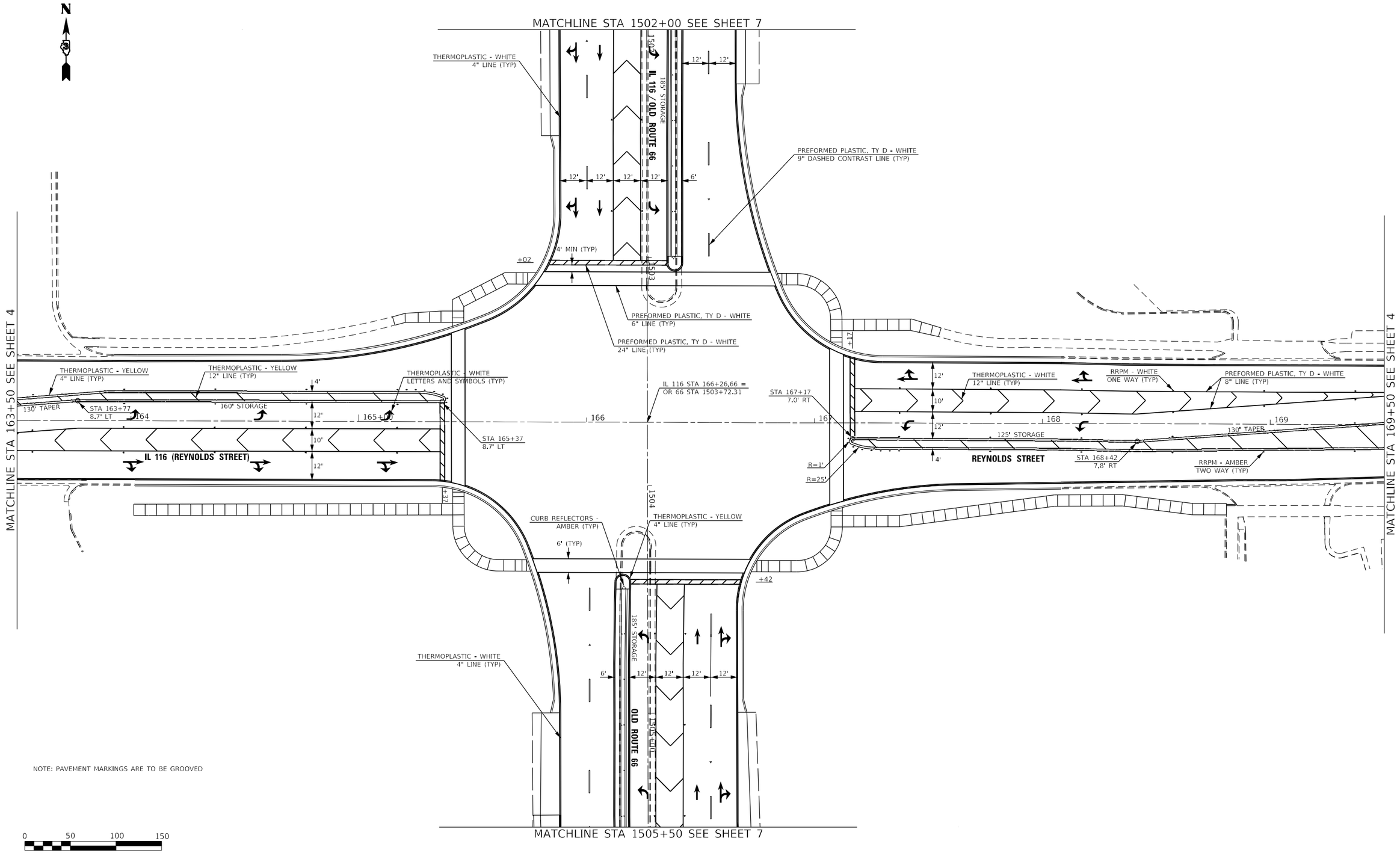


NOTE: PAVEMENT MARKINGS ARE TO BE GROOVED

0 50 100 150

MODEL: Default
FILE NAME: V:\4845.17 GR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-pmk.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN IL 116 / REYNOLDS ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	77
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54		
	PLOT DATE = 6/25/2024	DATE -	REVISED -		SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



NOTE: PAVEMENT MARKINGS ARE TO BE GROOVED

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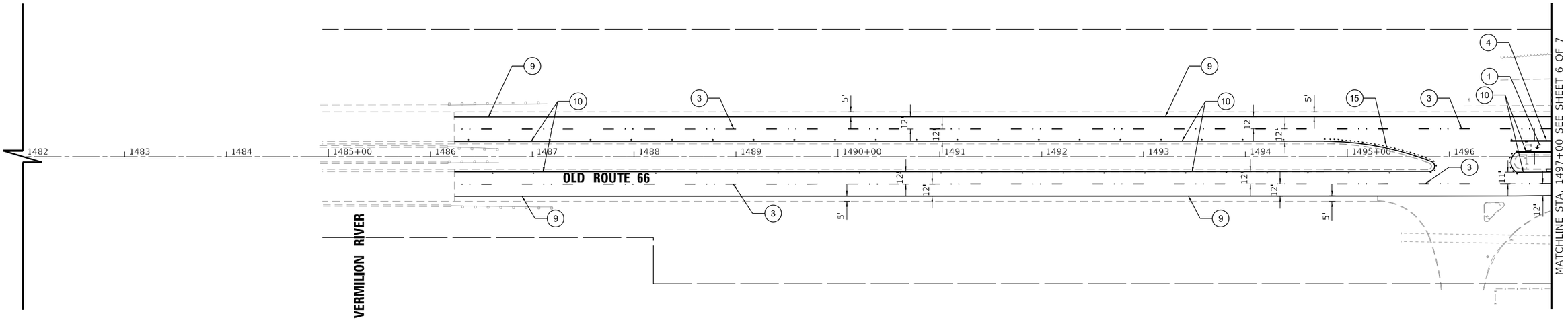
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN IL 116 / REYNOLDS ST AND OR 66
		DRAWN -	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 6/25/2024	DATE -	REVISED -		SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	78
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, LETTERS AND SYMBOLS, WHITE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
3. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 6" DASHED WHITE LINE (10' DASH, 30' SKIP), (TYP.)
4. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" SOLID WHITE LINE (TYP.)
5. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 8" DOTTED WHITE LINE (2' DASH, 6' SKIP), (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, 10' SPACING (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
8. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 24" SOLID WHITE STOP LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID WHITE EDGE LINE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING - GROOVED 4" SOLID YELLOW EDGE LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING - GROOVED 12" DIAGONALS @ 45° ANGLE, WHITE, SEE PLANS FOR SPACING (TYP.)
12. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" SOLID WHITE EDGE LINE (TYP.)
13. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 4" DOUBLE SOLID YELLOW CENTERLINE, 12" C-C (TYP.)
14. PREFORMED PLASTIC PAVEMENT MARKING - GROOVED TYPE D, 12" DIAGONALS @ 45° ANGLE, YELLOW, 20' SPACING (TYP.)
15. RAISED REFLECTIVE PAVEMENT MARKERS SEE DETAIL FOR LAYOUT

NOTE:
TOPOGRAPHY AND R.O.W. ON THIS SHEET ARE BASED ON AERIAL SURVEYS AND RECORD DRAWINGS AND ARE INTENDED TO COMMUNICATE DESIGN INTENT. FIELD VERIFY ALL MEASUREMENTS.

21 50 100 150
SCALE IN FEET

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = msladek	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 100'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
OR 66

SCALE: 1"=50' | SHEET 6 OF 7 SHEETS | STA. 1482+00.00 TO STA. 1497+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	79
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

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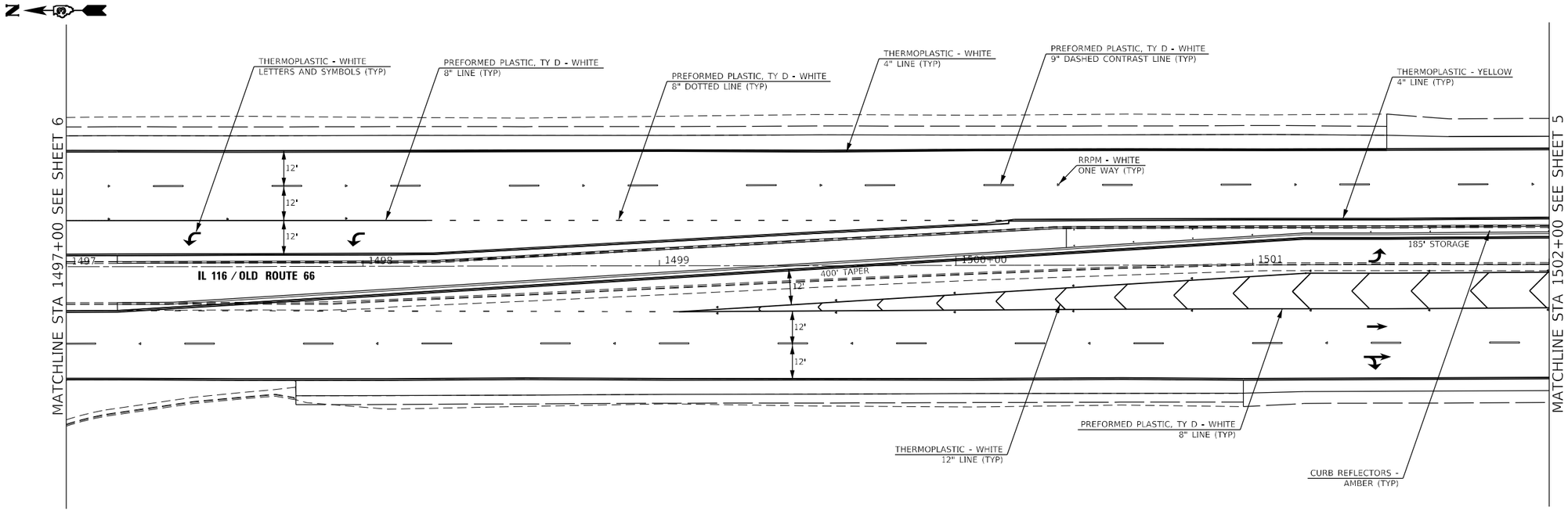
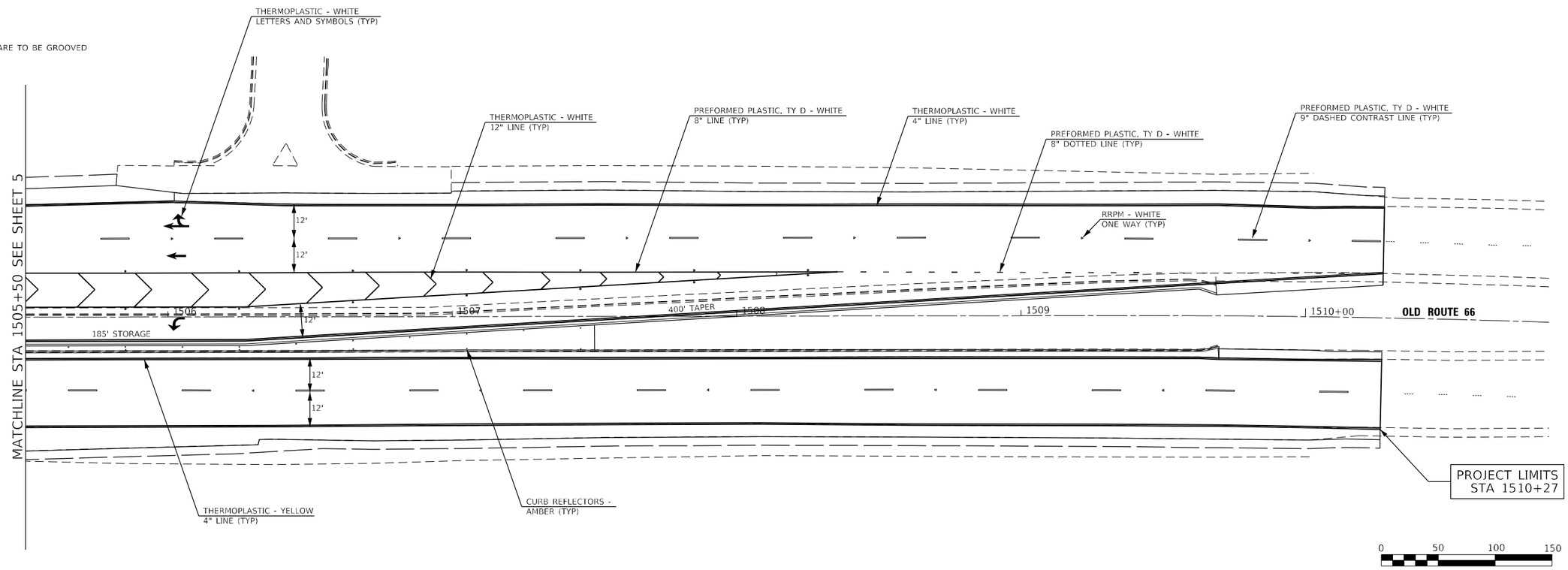


NOTE: PAVEMENT MARKINGS ARE TO BE GROOVED



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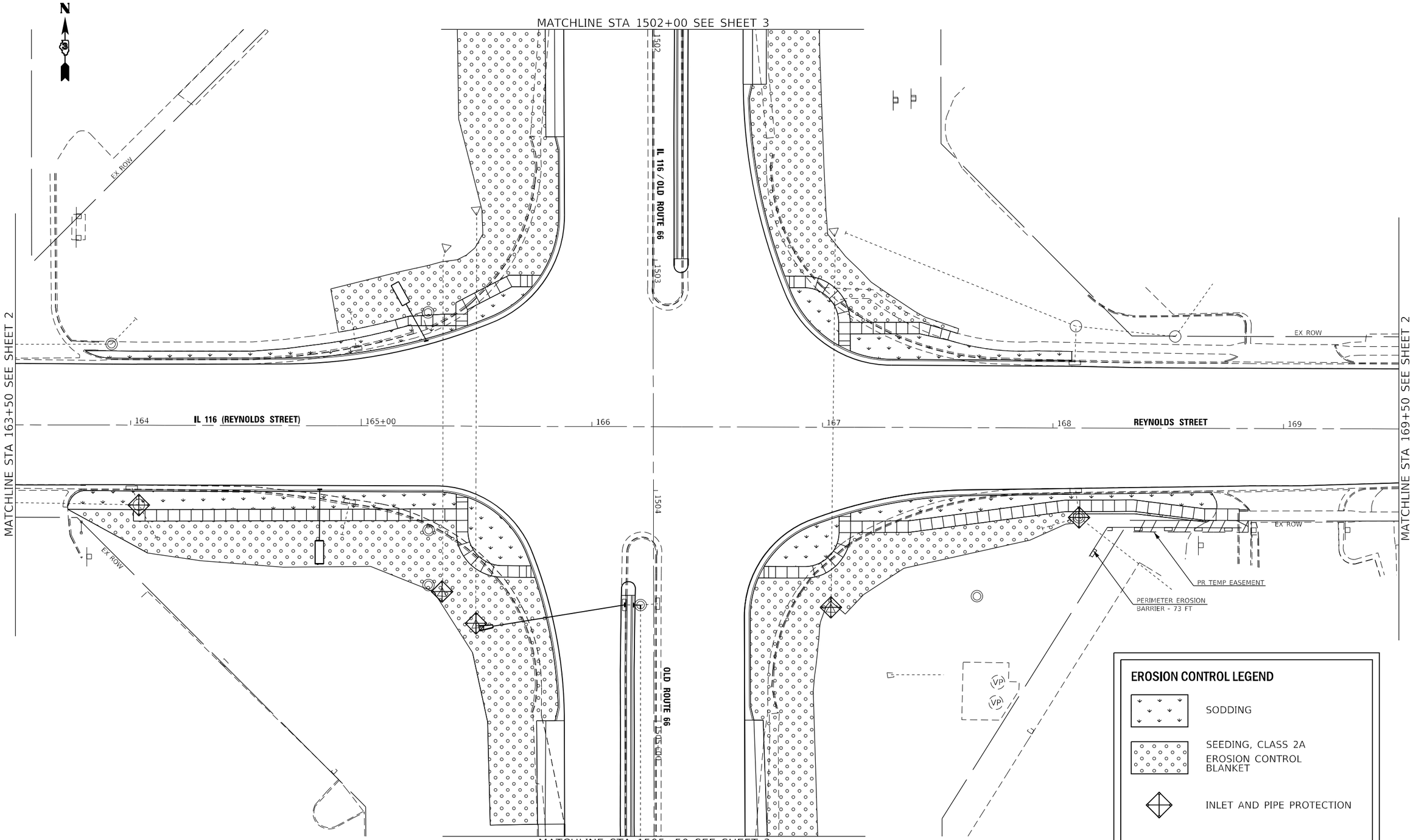
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN OR 66	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 80
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



NOTE: SEE SCHEDULE OF QUANTITIES AND ROADWAY PLAN FOR ADDITIONAL SODDING LOCATIONS

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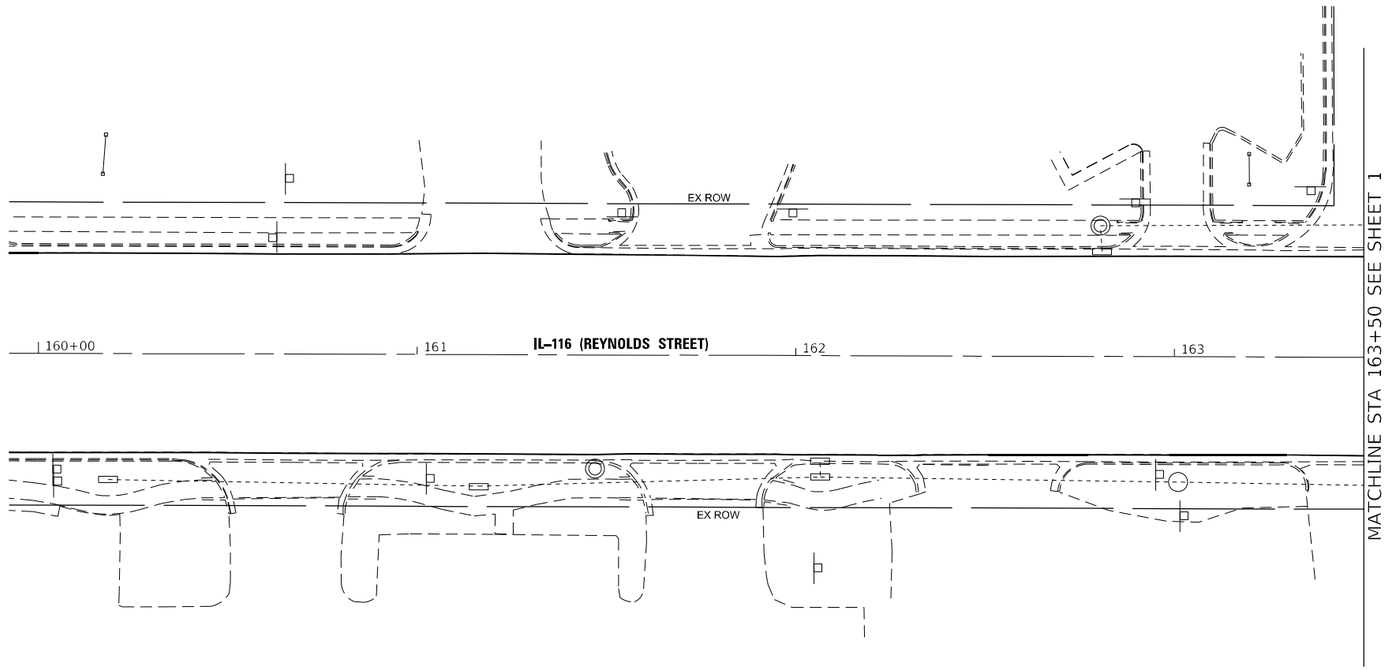
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2024	DATE -	REVISED -

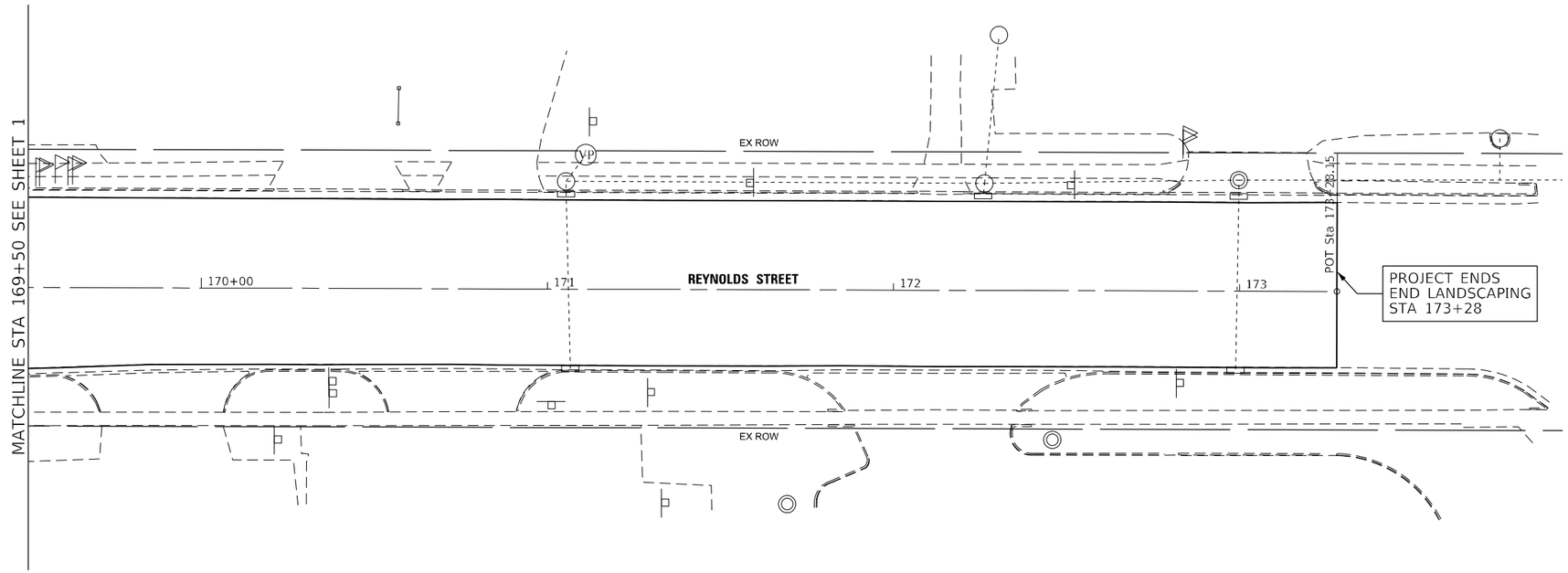
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL 116 / REYNOLDS ST AND OR 66

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	81
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	





EROSION CONTROL LEGEND

- SODDING
- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

NOTE: SEE SCHEDULE OF QUANTITIES AND ROADWAY PLAN FOR ADDITIONAL SODDING LOCATIONS

0 50 100 150

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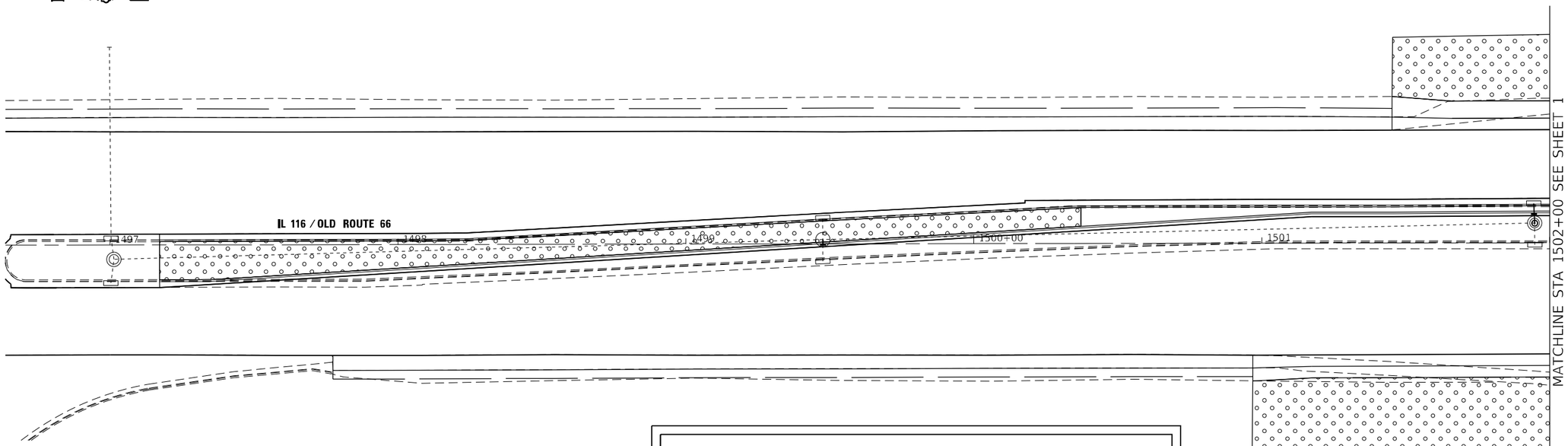
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL 116 / REYNOLDS ST

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

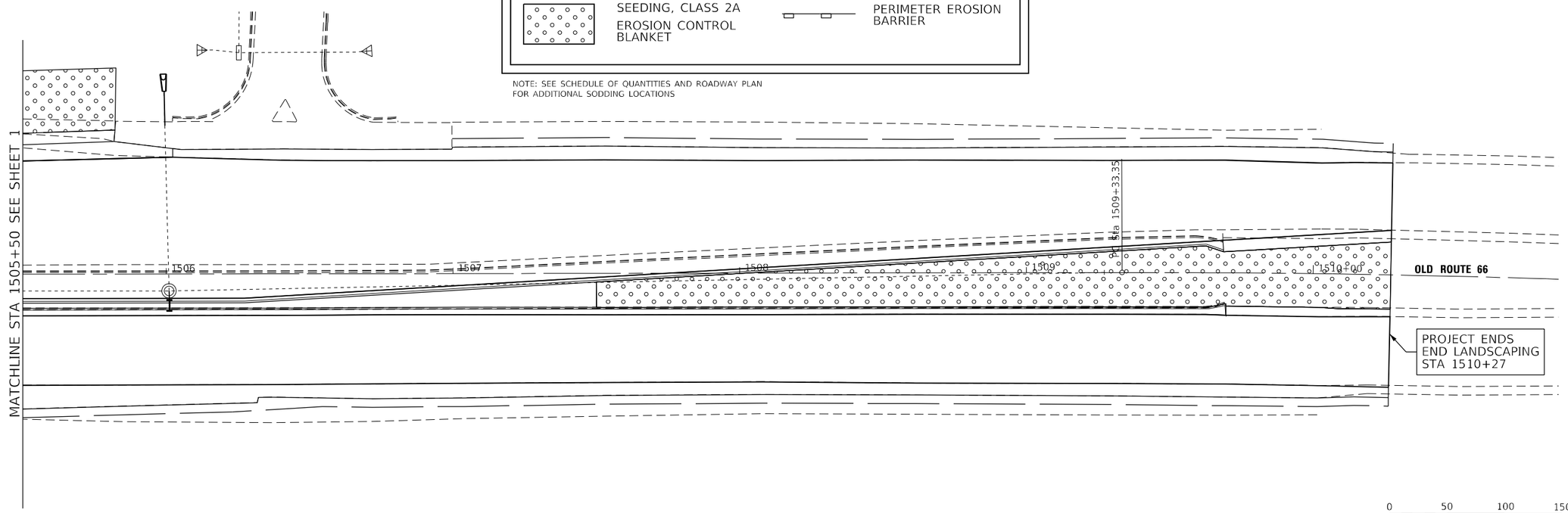
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	82
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



EROSION CONTROL LEGEND

	SODDING		INLET AND PIPE PROTECTION
	SEEDING, CLASS 2A EROSION CONTROL BLANKET		PERIMETER EROSION BARRIER

NOTE: SEE SCHEDULE OF QUANTITIES AND ROADWAY PLAN FOR ADDITIONAL SODDING LOCATIONS



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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN OR 66	F.A.P. RTE.	SECTION	COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON / 108 / 83
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE: / SHEET 3 OF 3 SHEETS / STA. / TO STA.		ILLINOIS	FED. AID PROJECT

TRAFFIC SIGNAL GENERAL NOTES

1. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-6131 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE J.U.L.I.E. NUMBER IS 800-892-0123.

3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.

4. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE

5. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.

6. A ¼" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.

7. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.

8. ALL CONDUIT IN TRENCH SHALL BE P.V.C. GALVANIZED STEEL OR SCHEDULE 80 SHALL BE USED UNDER PAVEMENT, STABILIZED SHOULDER, PAVED MEDIAN, PAVED DRIVEWAY, CURB AND/OR GUTTER, AND SIDEWALK. CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED STEEL.

9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

10. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

11. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

12. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLE AND JUNCTION BOXES WILL NOT BE ALLOWED.

14. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET. THE BOTTOM OF THE CONTROLLER CABINET SHALL BE A MINIMUM OF 1' ABOVE THE NEAREST HANDHOLE GRADE.

15. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.

16. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.

TRAFFIC SIGNAL GENERAL NOTES (CONT.)

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.

18. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLUORESCENT YELLOW SHEETING.

19. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND STEEL OR ALUMINUM BRACKETS

20. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION. THE DOUBLE HANDHOLES INSTALLED CLOSE TO THE ROADWAY SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHEN WORKING.

21. ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.

22. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.

23. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.

24. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.

25. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.

26. THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.

27. ALL TRAFFIC SIGNAL CONTROLLERS SHALL INCLUDE NTCIP AND THE VIDEO DETECTION SHALL USE VIDEO G.

28. THE MAINLINE STOP BAR DETECTOR LOOPS SHALL BE GREEN EXTENDED SO THE DETECTOR LOOPS DETECT WHEN THERE IS A QUEUE OF TRAFFIC ONLY. AFTER THE QUEUE OF TRAFFIC IS DONE, THE DETECTOR LOOP SHALL NOT EXTEND TIME ANYMORE.

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

1. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.

2. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN THE CONTROLLER AND ON THE WOOD POLES. THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ELECTRIC CABLE OF THE TYPE SPECIFIED.

3. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

4. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 70 M.P.H. SUSTAINED WIND LOADING.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.

6. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. DO NOT INSTALL HEADS THAT BLOCK OPPOSING TRAFFIC HEADS. WHEN POSSIBLE, PLACE TEMPORARY SIGNALS IN FRONT OF EXISTING TRAFFIC SIGNALS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

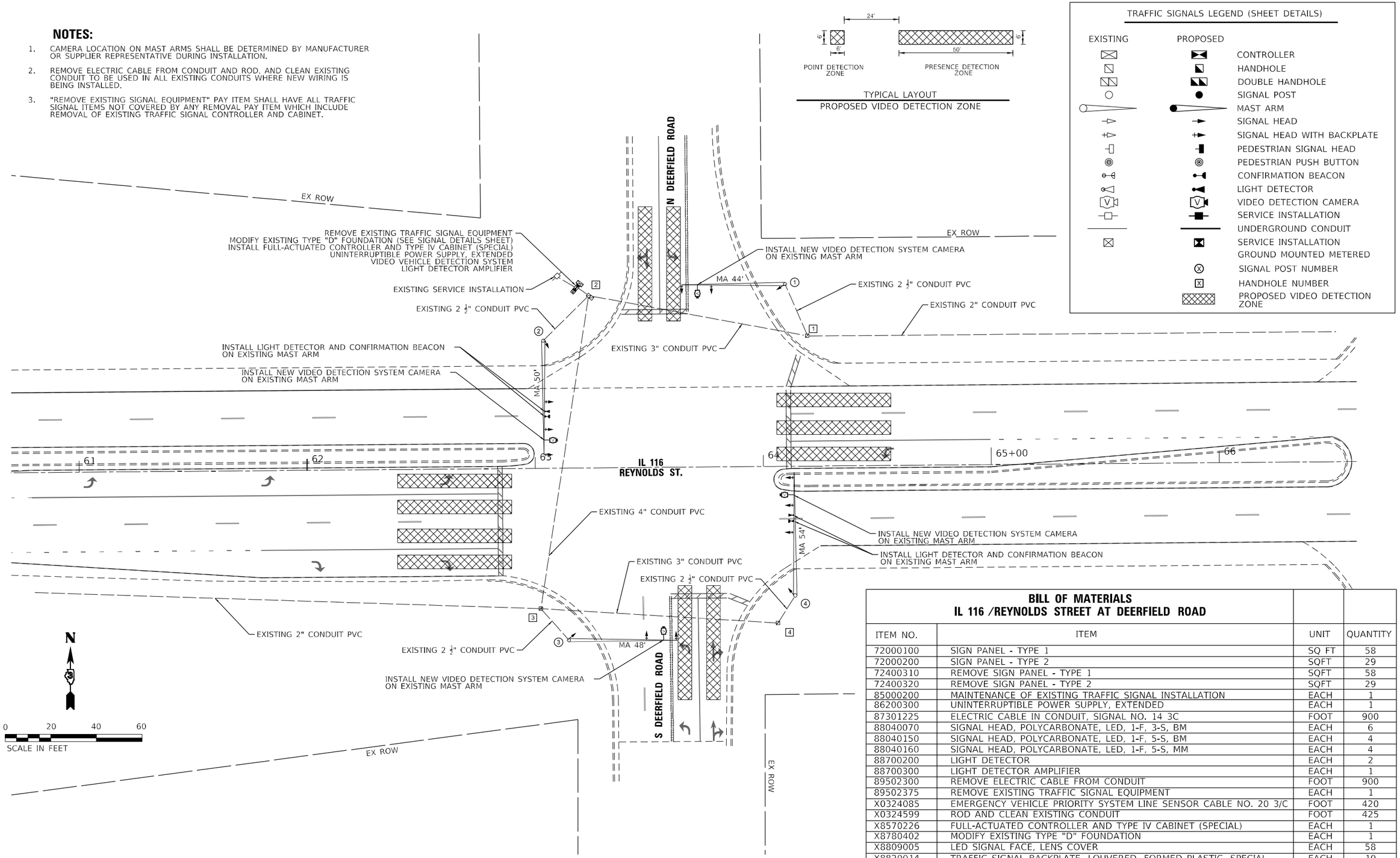
7. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

8. THE SPAN WIRE MOUNTED TEMPORARY SIGNAL HEADS SHALL MAINTAIN A UNIFORM 18' CLEARANCE OVER THE ROADWAY.

9. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTES:

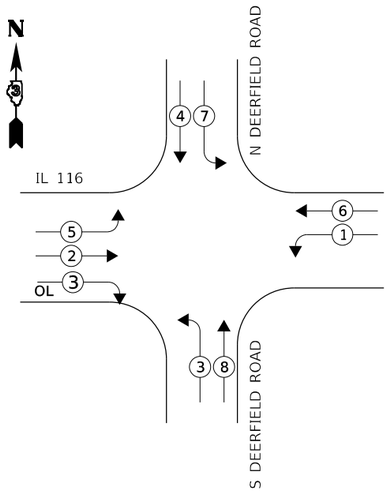
1. CAMERA LOCATION ON MAST ARMS SHALL BE DETERMINED BY MANUFACTURER OR SUPPLIER REPRESENTATIVE DURING INSTALLATION.
2. REMOVE ELECTRIC CABLE FROM CONDUIT AND ROD, AND CLEAN EXISTING CONDUIT TO BE USED IN ALL EXISTING CONDUITS WHERE NEW WIRING IS BEING INSTALLED.
3. "REMOVE EXISTING SIGNAL EQUIPMENT" PAY ITEM SHALL HAVE ALL TRAFFIC SIGNAL ITEMS NOT COVERED BY ANY REMOVAL PAY ITEM WHICH INCLUDE REMOVAL OF EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET.



BILL OF MATERIALS
IL 116 /REYNOLDS STREET AT DEERFIELD ROAD

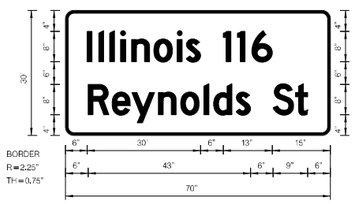
ITEM NO.	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	58
72000200	SIGN PANEL - TYPE 2	SQFT	29
72400310	REMOVE SIGN PANEL - TYPE 1	SQFT	58
72400320	REMOVE SIGN PANEL - TYPE 2	SQFT	29
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	900
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 3-S, BM	EACH	6
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 5-S, BM	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 5-S, MM	EACH	4
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	900
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3/C	FOOT	420
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	425
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8780402	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
X8809005	LED SIGNAL FACE, LENS COVER	EACH	58
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	10
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	14

PROPOSED CONTROLLER SEQUENCE

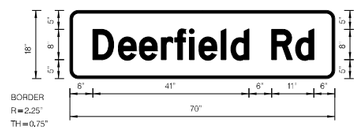


LEGEND:

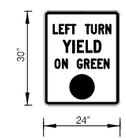
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PROTECTED/PERMITTED PHASE
- OVERLAP



14.6 SQ FT EACH (2) REQUIRED



8.8 SQ FT EACH (2) REQUIRED



R10-12

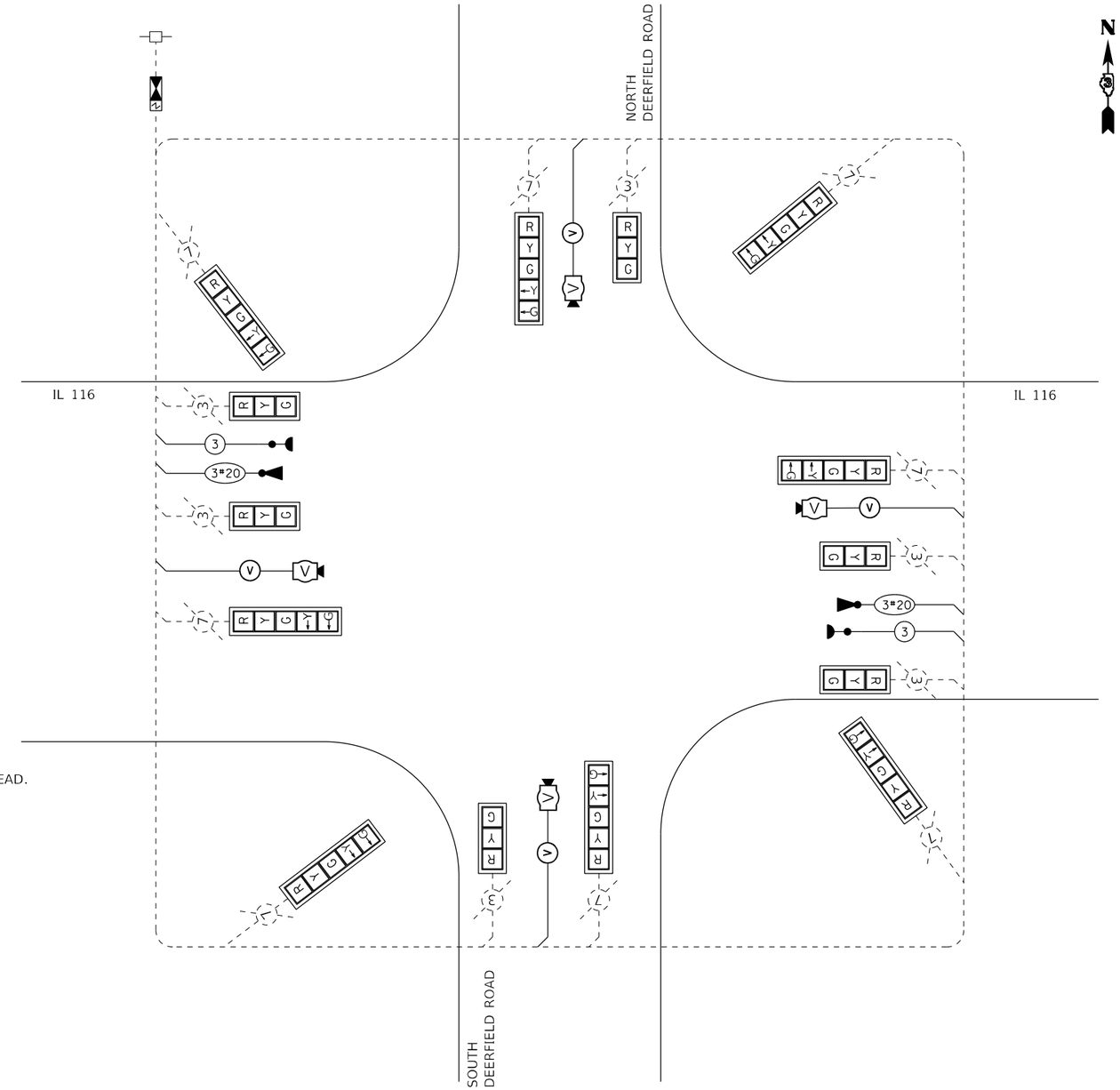
TYPE AP SHEETING REQUIRED
5.0 SQ FT EACH (8) REQUIRED

STREET NAME SIGN DETAILS

1. TYPE ZZ SHEETING REQUIRED.
2. WHITE LETTERING ON GREEN BACKGROUND.
3. 3/4" WHITE BORDER.
4. DESIGN SERIES D.
5. 8" HIGH UPPERCASE , 6" HIGH LOWERCASE LETTERING.

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE BRACKET MOUNTED LEFT SIGN SIGNAL HEAD AND JUST BELOW THE MAST ARM MOUNTED LEFT SIGN SIGNAL HEAD.



CABLE PLAN

(NOT TO SCALE)

EXISTING TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- EXISTING CABLE NUMBER *=CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 8"
- SIGNAL SECTION 12"
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- PROPOSED CABLE NUMBER *=CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 8"
- SIGNAL SECTION 12"
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

MODEL: Default
FILE NAME: n:\2024\6633\Cadd\Design\Sheets\0366E54-sht45Dee02.dgn

ABNA
www.abnaengrg.com
ABNA ENGINEERING, INC.
745 McClintock Drive, Suite 210
Burr Ridge, IL 60527
Office: (773) 884-4788

USER NAME = lghimire	DESIGNED - IG	REVISED -	
	DRAWN - IG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - TPP	REVISED -	
PLOT DATE = 7/2/2024	DATE - 6/20/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

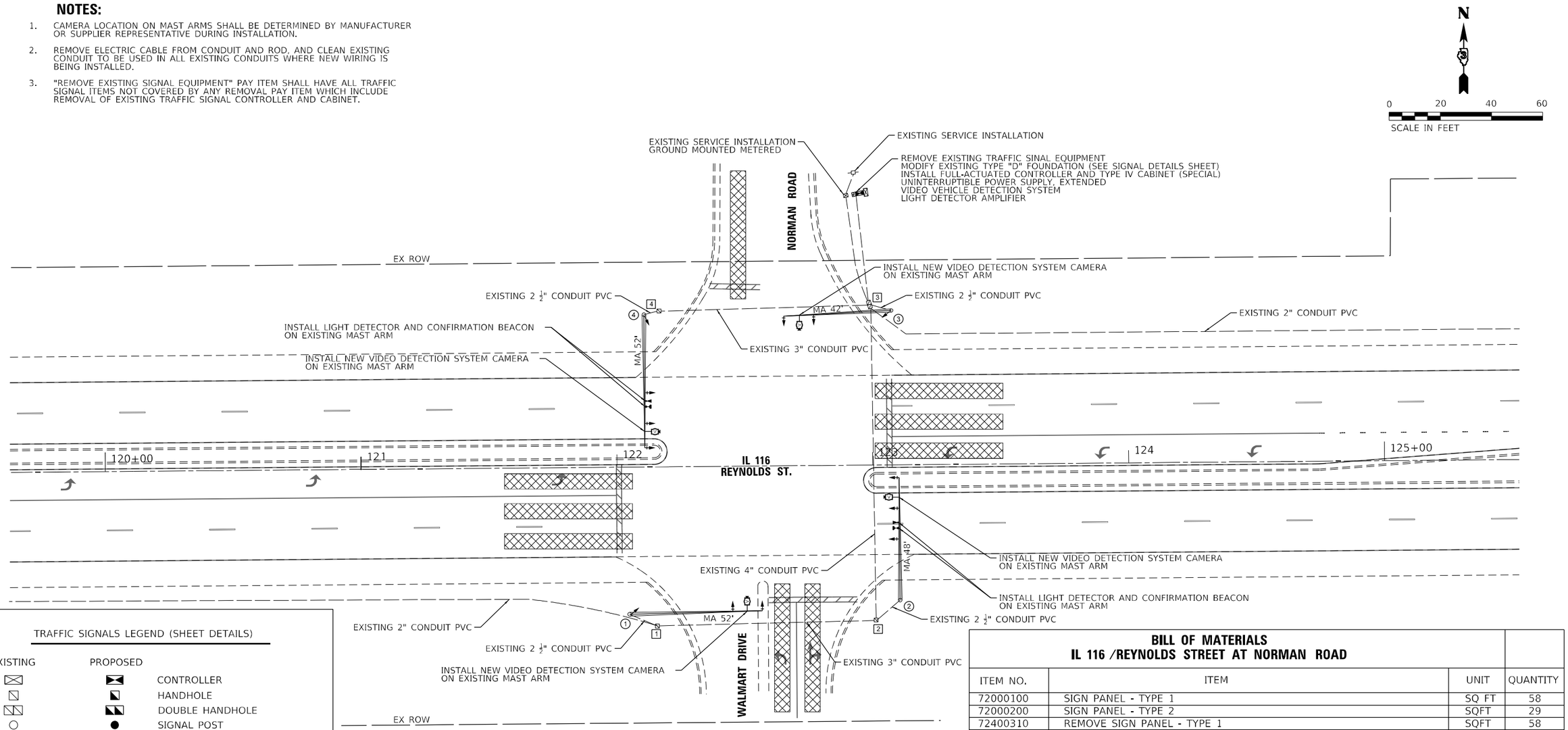
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SYSTEM – NORTH DEERFIELD ROAD

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X)RS-4&(11X)RS-2	LIVINGSTON	108	86
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

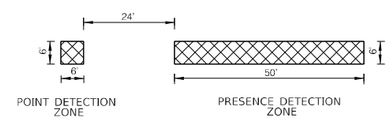
NOTES:

1. CAMERA LOCATION ON MAST ARMS SHALL BE DETERMINED BY MANUFACTURER OR SUPPLIER REPRESENTATIVE DURING INSTALLATION.
2. REMOVE ELECTRIC CABLE FROM CONDUIT AND ROD, AND CLEAN EXISTING CONDUIT TO BE USED IN ALL EXISTING CONDUITS WHERE NEW WIRING IS BEING INSTALLED.
3. "REMOVE EXISTING SIGNAL EQUIPMENT" PAY ITEM SHALL HAVE ALL TRAFFIC SIGNAL ITEMS NOT COVERED BY ANY REMOVAL PAY ITEM WHICH INCLUDE REMOVAL OF EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET.



TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

EXISTING	PROPOSED	
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
		SIGNAL POST
		MAST ARM
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH BUTTON
		CONFIRMATION BEACON
		LIGHT DETECTOR
		VIDEO DETECTION CAMERA
		SERVICE INSTALLATION
		UNDERGROUND CONDUIT
		SERVICE INSTALLATION GROUND MOUNTED METERED
		SIGNAL POST NUMBER
		HANDHOLE NUMBER
		PROPOSED VIDEO DETECTION ZONE



TYPICAL LAYOUT
PROPOSED VIDEO DETECTION ZONE

BILL OF MATERIALS
IL 116 /REYNOLDS STREET AT NORMAN ROAD

ITEM NO.	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	58
72000200	SIGN PANEL - TYPE 2	SQFT	29
72400310	REMOVE SIGN PANEL - TYPE 1	SQFT	58
72400320	REMOVE SIGN PANEL - TYPE 2	SQFT	29
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	940
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 3-S, BM	EACH	7
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 5-S, BM	EACH	3
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-F, 5-S, MM	EACH	3
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	940
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3/C	FOOT	440
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	375
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8780402	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
X8809005	LED SIGNAL FACE, LENS COVER	EACH	51
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	10
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	13

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ABNA ENGINEERING, INC.
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PLOT DATE = 7/2/2024	DATE - 6/20/2024	REVISED -	

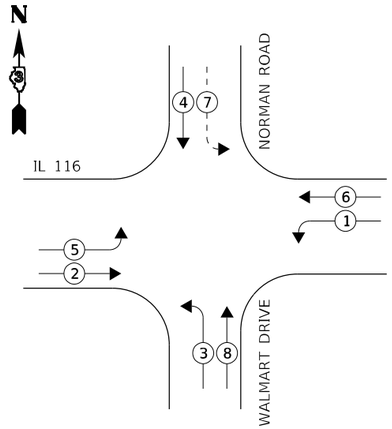
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC MODERNIZATION PLAN
IL 116 AND NORMAN ROAD

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. TO STA.

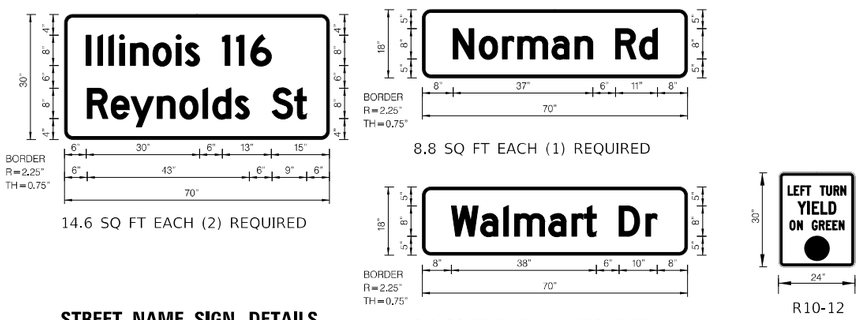
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X)RS-4&(11X)RS-2	LIVINGSTON	108	87
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PERMITTED PHASE
- PROTECTED/PERMITTED PHASE
- OVERLAP

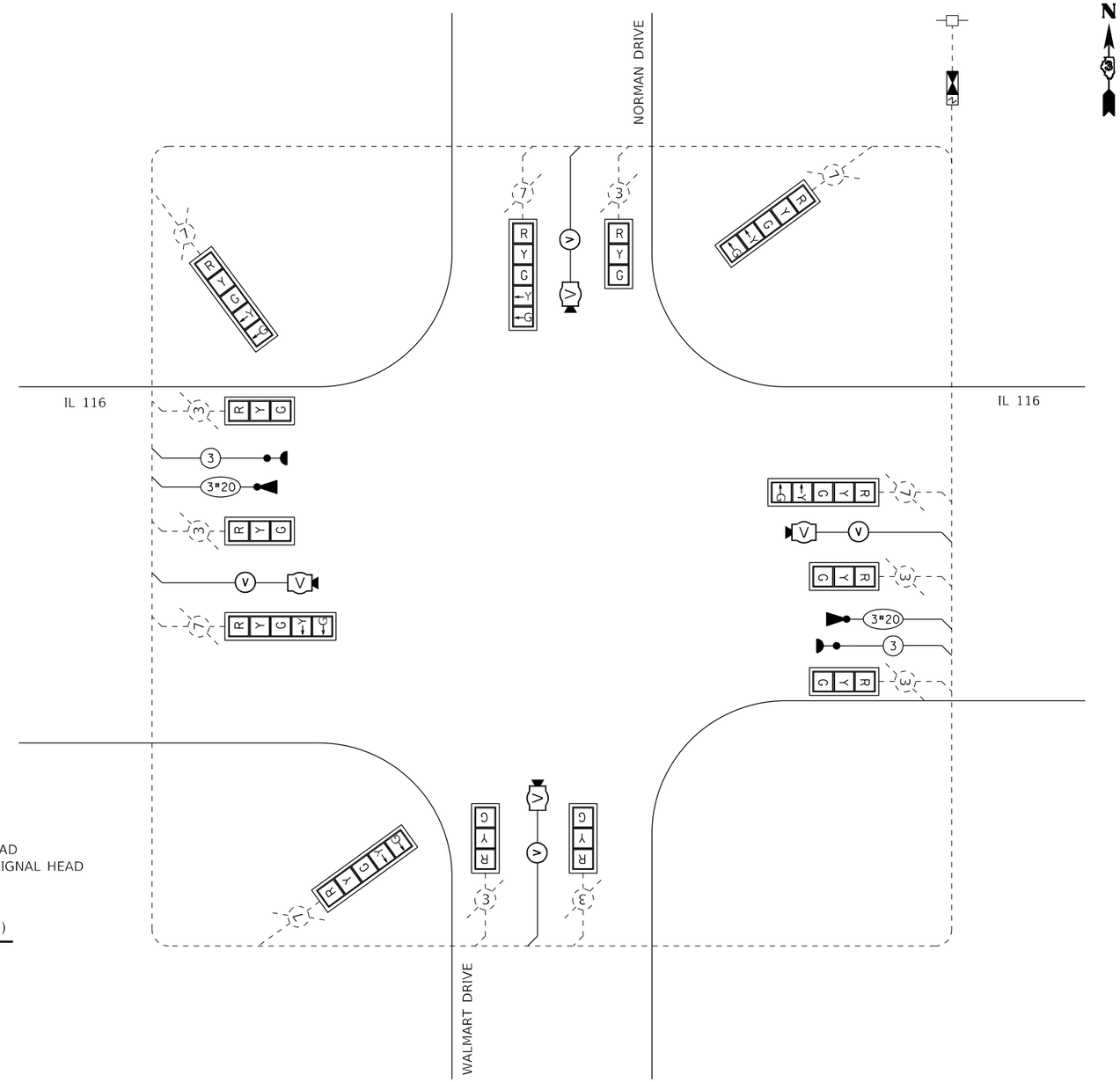


STREET NAME SIGN DETAILS

1. TYPE ZZ SHEETING REQUIRED.
2. WHITE LETTERING ON GREEN BACKGROUND.
3. 3/4" WHITE BORDER.
4. DESIGN SERIES D.
5. 8" HIGH UPPERCASE , 6" HIGH LOWERCASE LETTERING.

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE BRACKET MOUNTED LEFT SIGN SIGNAL HEAD AND JUST BELOW THE MAST ARM MOUNTED LEFT SIGN SIGNAL HEAD



CABLE PLAN

(NOT TO SCALE)

EXISTING TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- EXISTING CABLE NUMBER *=CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 8"
- SIGNAL SECTION 12"
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- PROPOSED CABLE NUMBER *=CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 8"
- SIGNAL SECTION 12"
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

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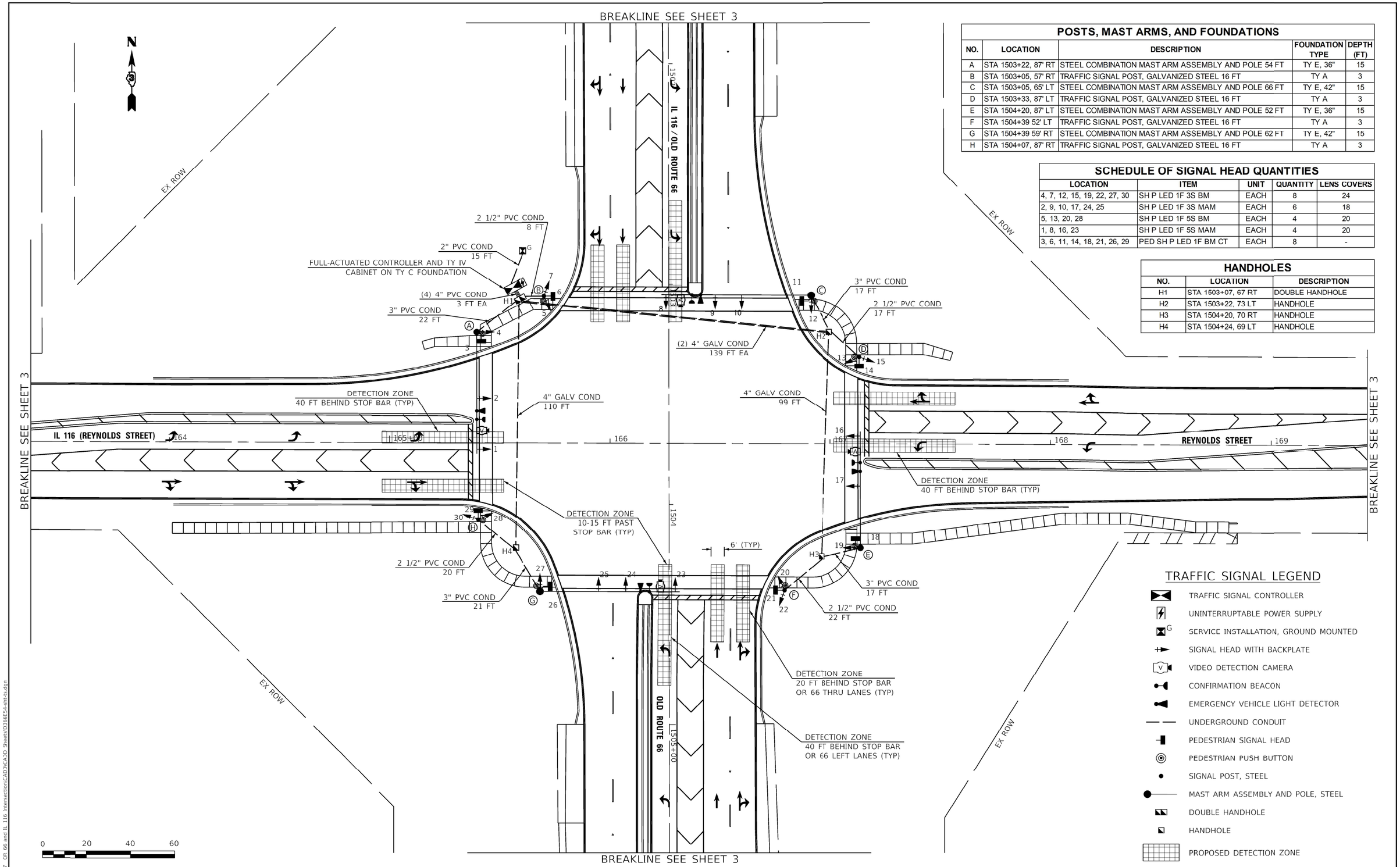
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM
IL 116 AND NORMAN DRIVE/WALMART DRIVE

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X)RS-4&(11X)RS-2	LIVINGSTON	108	88
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



POSTS, MAST ARMS, AND FOUNDATIONS

NO.	LOCATION	DESCRIPTION	FOUNDATION TYPE	DEPTH (FT)
A	STA 1503+22, 87' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT	TY E, 36"	15
B	STA 1503+05, 57' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	TY A	3
C	STA 1503+05, 65' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT	TY E, 42"	15
D	STA 1503+33, 87' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	TY A	3
E	STA 1504+20, 87' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT	TY E, 36"	15
F	STA 1504+39 52' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	TY A	3
G	STA 1504+39 59' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT	TY E, 42"	15
H	STA 1504+07, 87' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	TY A	3

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY	LENS COVERS
4, 7, 12, 15, 19, 22, 27, 30	SH P LED 1F 3S BM	EACH	8	24
2, 9, 10, 17, 24, 25	SH P LED 1F 3S MAM	EACH	6	18
5, 13, 20, 28	SH P LED 1F 5S BM	EACH	4	20
1, 8, 16, 23	SH P LED 1F 5S MAM	EACH	4	20
3, 6, 11, 14, 18, 21, 26, 29	PED SH P LED 1F BM CT	EACH	8	-

HANDHOLES

NO.	LOCATION	DESCRIPTION
H1	STA 1503+07, 67 RT	DOUBLE HANDHOLE
H2	STA 1503+22, 73 LT	HANDHOLE
H3	STA 1504+20, 70 RT	HANDHOLE
H4	STA 1504+24, 69 LT	HANDHOLE

TRAFFIC SIGNAL LEGEND

- TRAFFIC SIGNAL CONTROLLER
- UNINTERRUPTABLE POWER SUPPLY
- G SERVICE INSTALLATION, GROUND MOUNTED
- SIGNAL HEAD WITH BACKPLATE
- V VIDEO DETECTION CAMERA
- CONFIRMATION BEACON
- EMERGENCY VEHICLE LIGHT DETECTOR
- UNDERGROUND CONDUIT
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST, STEEL
- MAST ARM ASSEMBLY AND POLE, STEEL
- DOUBLE HANDHOLE
- HANDHOLE
- PROPOSED DETECTION ZONE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

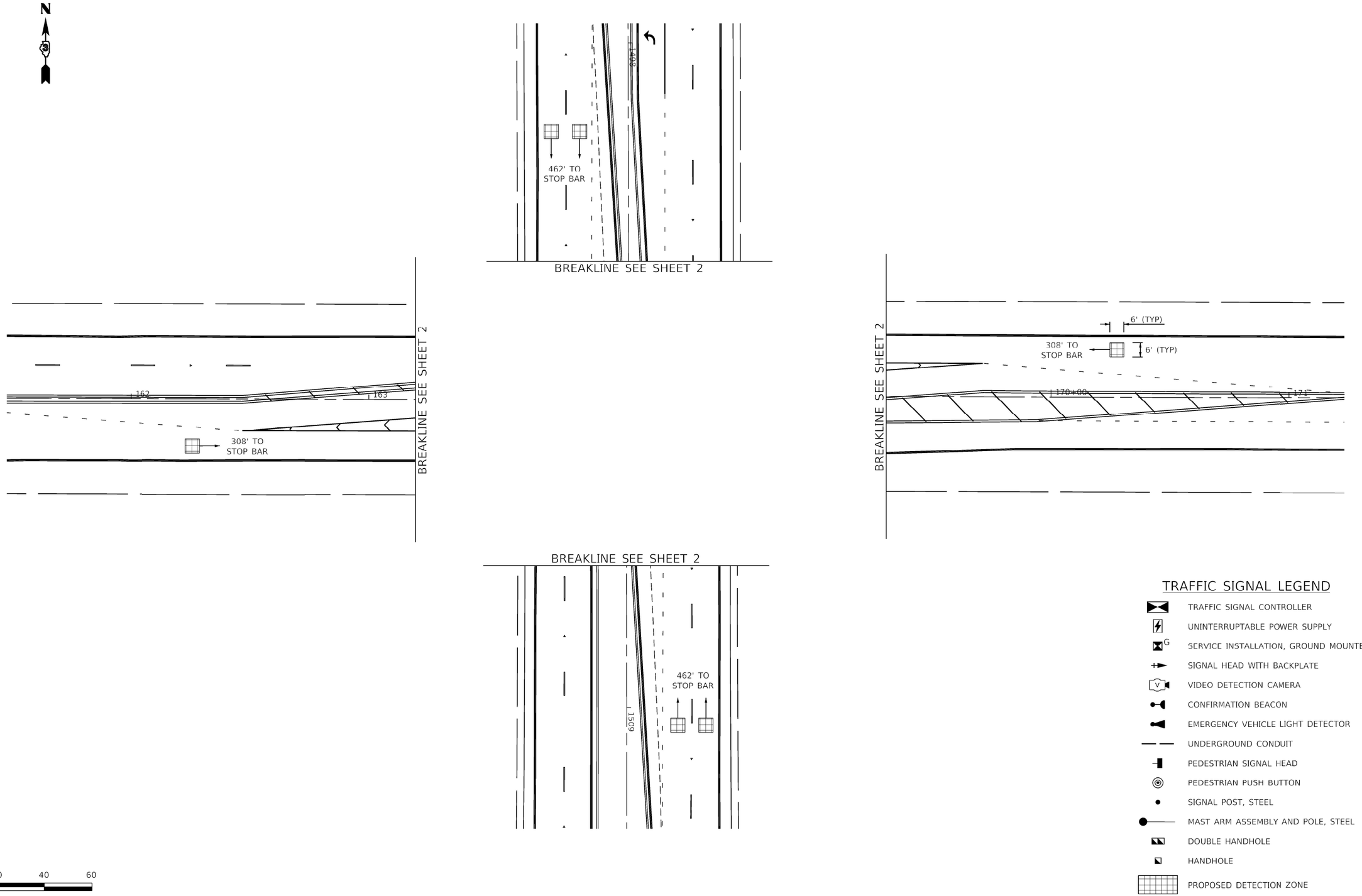
IL 116 AND OR 66
TRAFFIC SIGNAL PLAN

SCALE: | SHEET 1 OF 10 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	89

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 116 AND OR 66
TRAFFIC SIGNAL PLAN

SCALE: | SHEET 2 OF 10 SHEETS | STA. | TO STA.

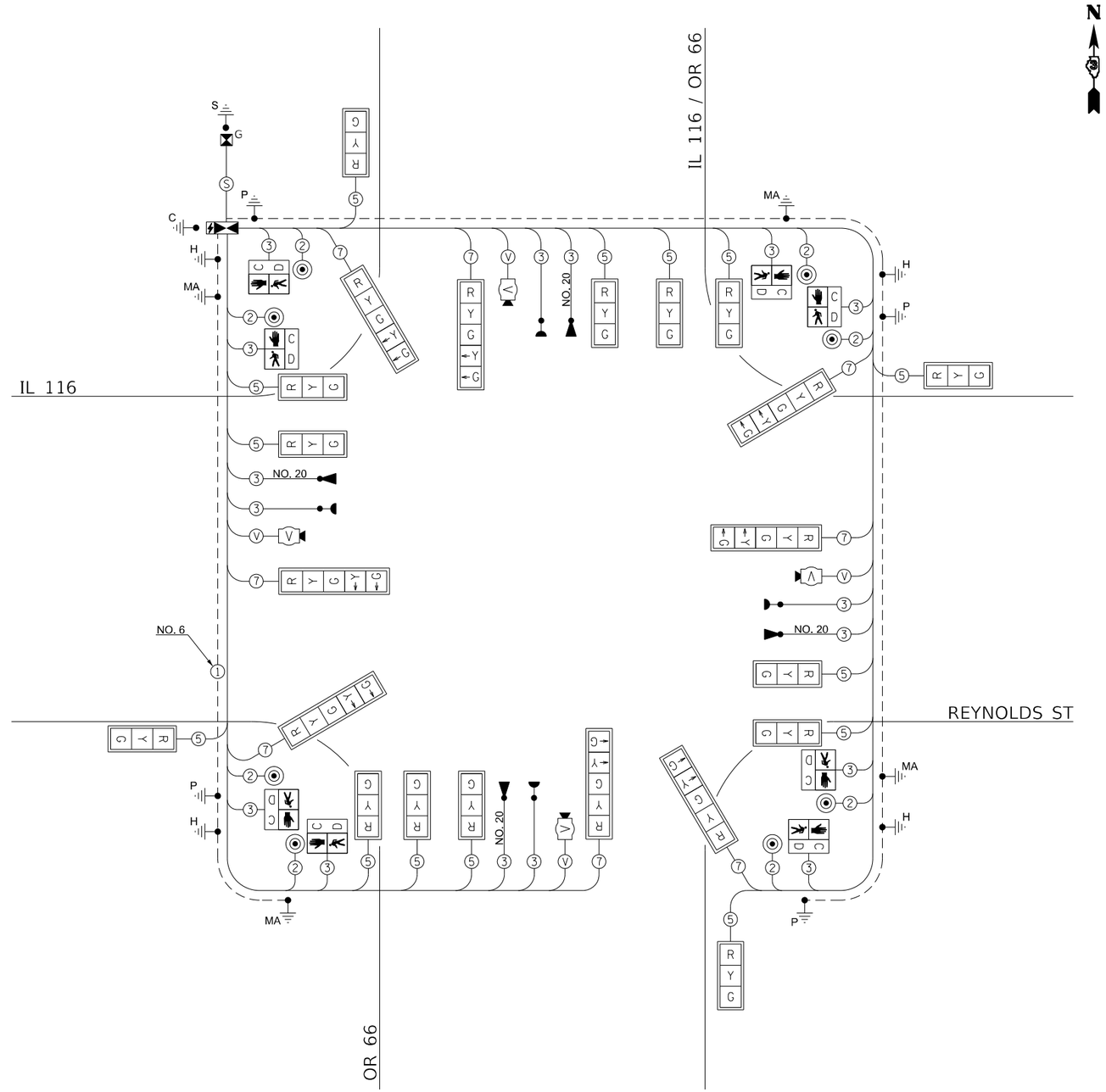
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	90
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- TRAFFIC SIGNAL CONTROLLER
- UNINTERRUPTABLE POWER SUPPLY
- G — SERVICE INSTALLATION, GROUND MOUNTED
- R Y G — SIGNAL HEAD WITH BACKPLATE
- * — DENOTES NUMBER OF CONDUCTORS
- V — VIDEO DETECTION CAMERA
- CONFIRMATION BEACON
- EMERGENCY VEHICLE LIGHT DETECTOR
- C D — PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- S — SERVICE CABLE
  ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- V — VIDEO CABLE
  SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM
- S — GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- H/C — GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
- P/MA — GROUND ROD AT POST (P) OR MAST ARM (MA)

PROPOSED ELECTRICAL LOAD CHART

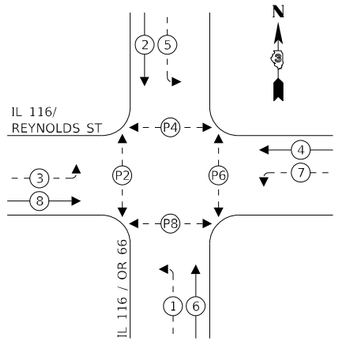
LOCATION	INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
IL 116/ REYNOLDS ST	RED	10	12	40%
	YELLOW	10	12	5%
	GREEN	10	12	55%
	YELLOW ARROW	4	12	5%
	GREEN ARROW	4	12	5%
	PED SIGNAL - WALK	4	7	95%
	PED SIGNAL - DON'T WALK	4	7	5%
OR 66	RED	12	12	60%
	YELLOW	12	12	5%
	GREEN	12	12	35%
	YELLOW ARROW	4	12	5%
	GREEN ARROW	4	12	5%
	PED SIGNAL - WALK	4	7	95%
	PED SIGNAL - DON'T WALK	4	7	5%
TRAFFIC SIGNAL CABINET	CONTROLLER	1	100	100%
	VIDEO SYSTEM	1	150	100%
	UNINTERRUPTABLE POWER SUPPLY	1	50	100%



PROPOSED CABLE DIAGRAM

BILL OF MATERIALS - TRAFFIC SIGNALS			
CODE NO.	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	56
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	487
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	15
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	67
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	77
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	12
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87200400	SPAN WIRE	FOOT	578
87200500	TETHER WIRE	FOOT	578
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1396
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2378
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2788
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1706
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	29
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	658
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
87700414	STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	30
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1
89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3188
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	5
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	926
X1400318	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
X8809005	LED SIGNAL FACE, LENS COVER	EACH	82
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

PHASE DESIGNATION AND SEQUENCING - PROPOSED

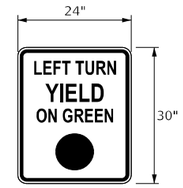


LEGEND:

PROTECTED PHASE

PERMITTED PHASE

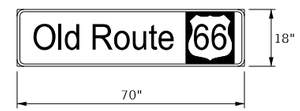
* NUMBER REFERS TO ASSOCIATED PHASE



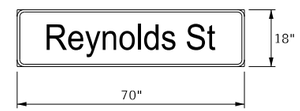
R10-12
TYPE AP SHEETING REQUIRED
5.0 SQ FT EACH (4) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT SUGN LANE SIGNAL HEAD.



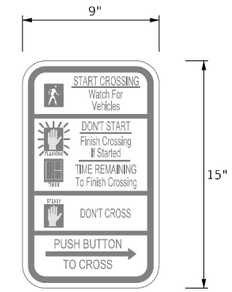
9.0 SQ FT EACH (2) REQUIRED



9.0 SQ FT EACH (2) REQUIRED

STREET NAME SIGN DETAIL

1. TYPE ZZ SHEETING REQUIRED.
2. WHITE LETTERING ON GREEN BACKGROUND.
3. ¾" WHITE BORDER.
4. DESIGN SERIES D.
5. 8" HIGH UPPERCASE, 6" HIGH LOWERCASE LETTERING.



R10-3E

PEDESTRIAN CROSSING SIGN

COUNT-DOWN PEDESTRIAN SIGN R10-3E TO BE USED.

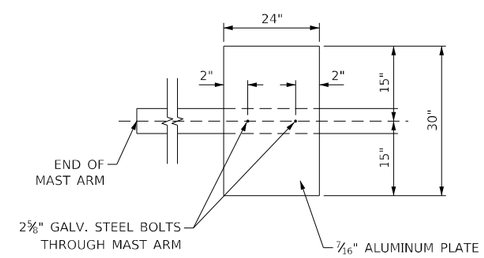
0.94 SQ FT EACH, (8) REQUIRED.

DIMENSIONS: 9" x 15" (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: RETROREFLECTIVE WHITE
UPRAISED HAND SYMBOL,
TIMER: RETROREFLECTIVE ORANGE ON BLACK
PEDESTRIAN SYMBOL: RETROREFLECTIVE WHITE ON BLACK

ONE SIGN SHALL BE PROVIDED FOR EACH ACCESSIBLE PEDESTRIAN SIGNAL. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY ACCESSIBLE PEDESTRIAN SIGNAL LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF ACCESSIBLE PEDESTRIAN SIGNALS.



DAMPENING PLATE DETAIL

(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

DAMPENING DEVICE SHALL CONSIST OF A 24" x 30" TYPE I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.

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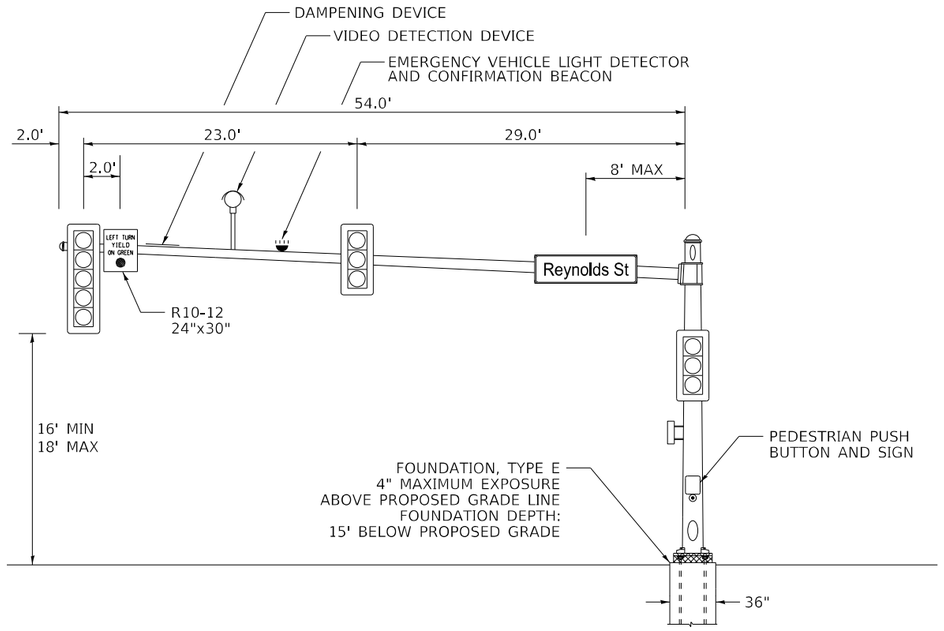
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

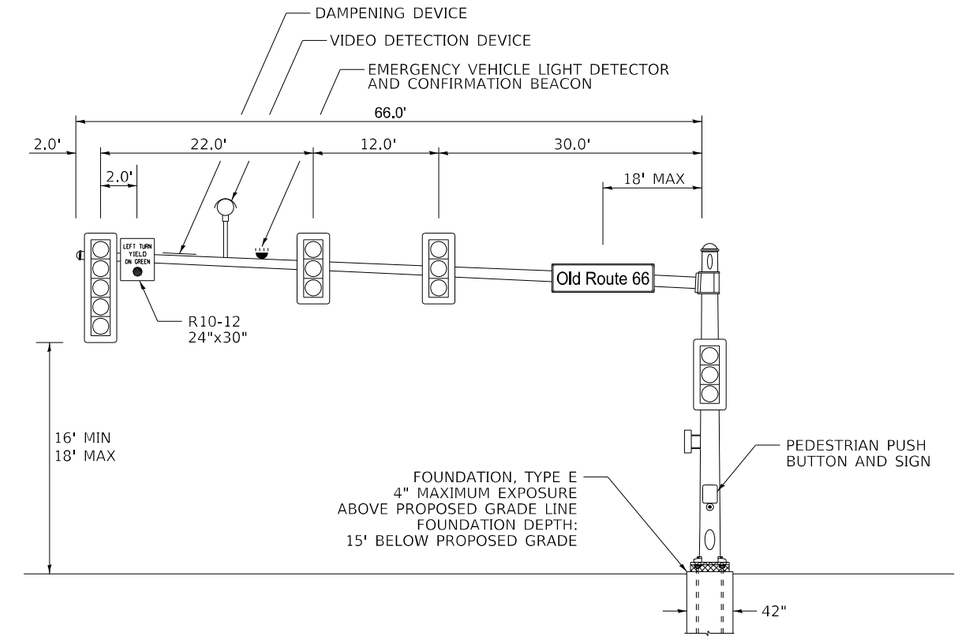
IL 116 AND OR 66
TRAFFIC SIGNAL PLAN

SCALE: | SHEET 4 OF 10 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	92
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		



OLD ROUTE 66 SB (NW QUADRANT)

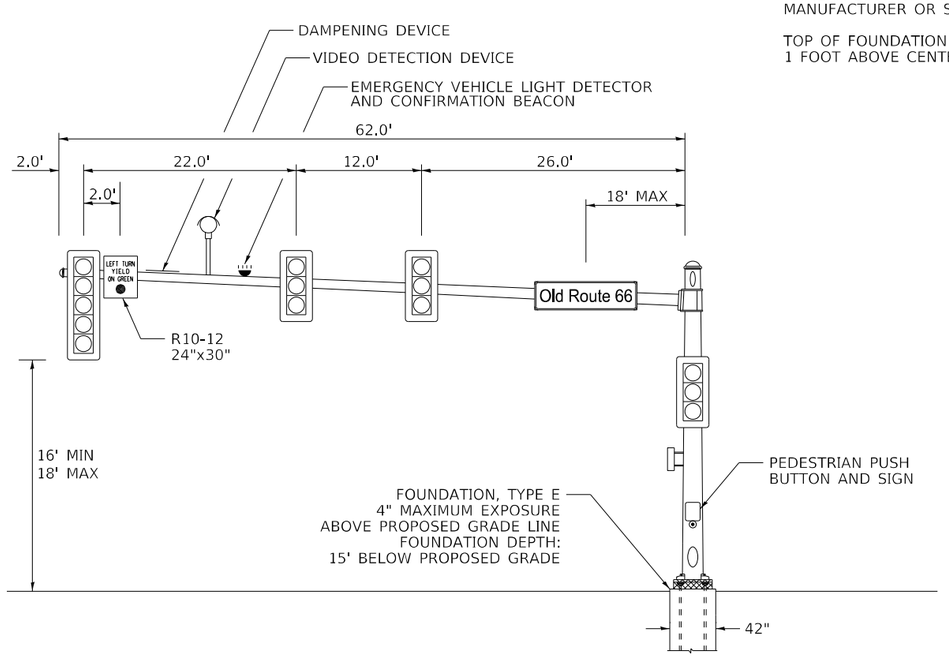


REYNOLDS ST WB (NE QUADRANT)

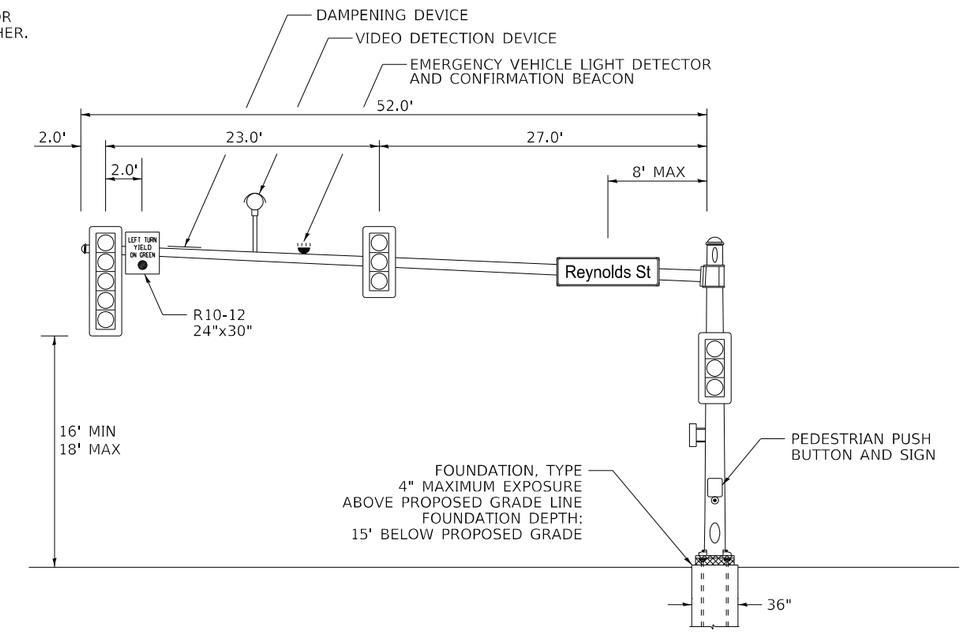
NOTES:

CAMERA LOCATION ON MAST ARMS SHALL BE DETERMINED BY MANUFACTURER OR SUPPLIER REPRESENTATIVE DURING INSTALLATION.

TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB OR 1 FOOT ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.



REYNOLDS ST EB (SW QUADRANT)



OLD ROUTE 66 NB (SE QUADRANT)

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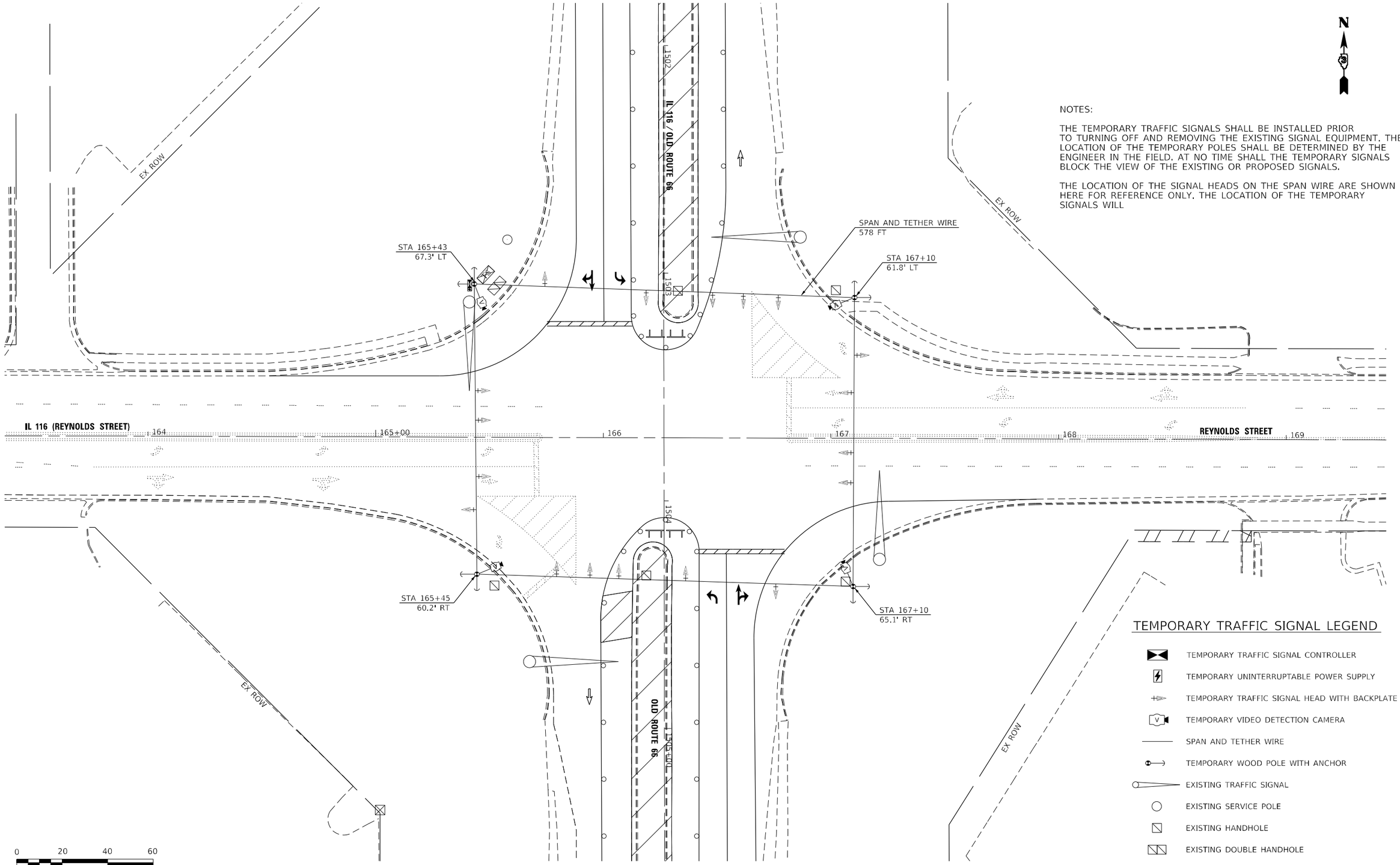
	PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 116 AND OR 66
TRAFFIC SIGNAL PLAN

SCALE: | SHEET 5 OF 10 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	93
		CONTRACT NO. 66E54		
		ILLINOIS	FED. AID PROJECT	



NOTES:

THE TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED PRIOR TO TURNING OFF AND REMOVING THE EXISTING SIGNAL EQUIPMENT. THE LOCATION OF THE TEMPORARY POLES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. AT NO TIME SHALL THE TEMPORARY SIGNALS BLOCK THE VIEW OF THE EXISTING OR PROPOSED SIGNALS.

THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- TEMPORARY VIDEO DETECTION CAMERA
- SPAN AND TETHER WIRE
- TEMPORARY WOOD POLE WITH ANCHOR
- EXISTING TRAFFIC SIGNAL
- EXISTING SERVICE POLE
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING SIGNAL CONTROLLER

MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-JPT-ts.dgn

Hutchison Engineering, Inc.

USER NAME = mbudzynski	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 116 AND OR 66
STAGE I – TEMPORARY TRAFFIC SIGNAL PLAN

SCALE: | SHEET 6 OF 10 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	94
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

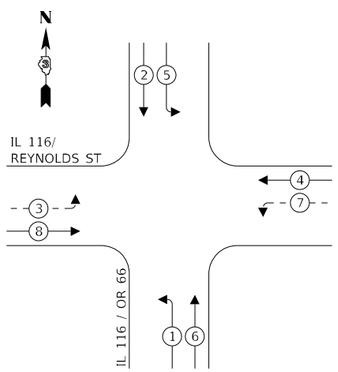
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

1	EACH	TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
4	EACH	MAST ARM CAP, MAST ARM END CAP, HANDHOLE DOOR, AND NUT COVER
4	EACH	TRAFFIC SIGNAL POLE AND MAST ARM
4	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED WITH BACKPLATE
4	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED WITH BACKPLATE
8	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED WITH BACKPLATE

ANY EXISTING TRAFFIC SIGNAL CABLES BELONGING TO ABOVE GROUND EQUIPMENT
ANY SIGNS MOUNTED TO EXISTING TRAFFIC SIGNAL EQUIPMENT

PHASE DESIGNATION AND SEQUENCING - STAGE I



LEGEND:

PROTECTED PHASE

PERMITTED PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

TEMPORARY TRAFFIC SIGNAL CONTROLLER

TEMPORARY UNINTERRUPTABLE POWER SUPPLY

P TEMPORARY SERVICE INSTALLATION, POLE MOUNTED

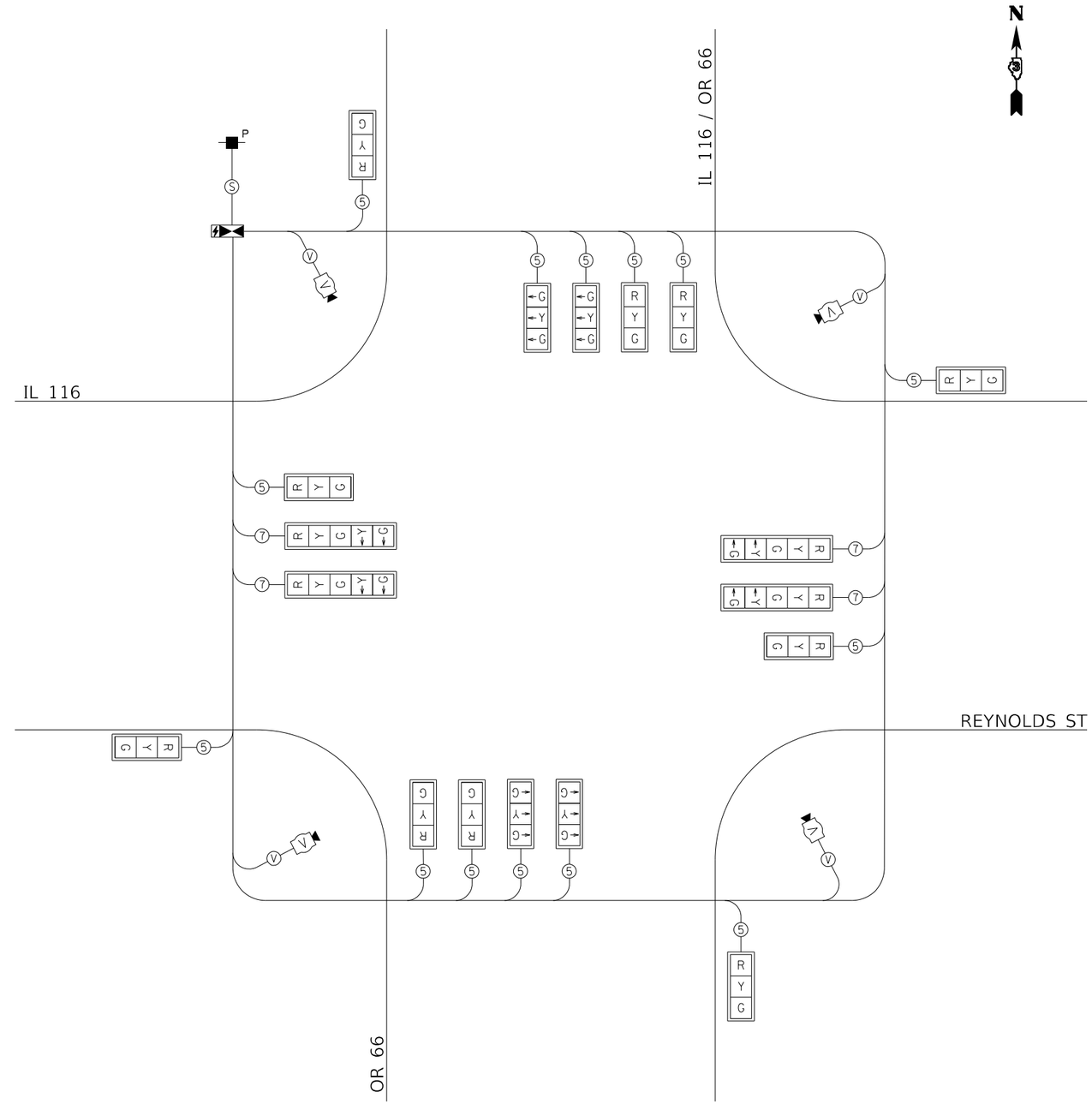
R Y G TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE

DENOTES NUMBER OF CONDUCTORS

V TEMPORARY VIDEO DETECTION CAMERA

S SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C

V VIDEO CABLE
SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM



TEMPORARY CABLE DIAGRAM

MODEL: Default
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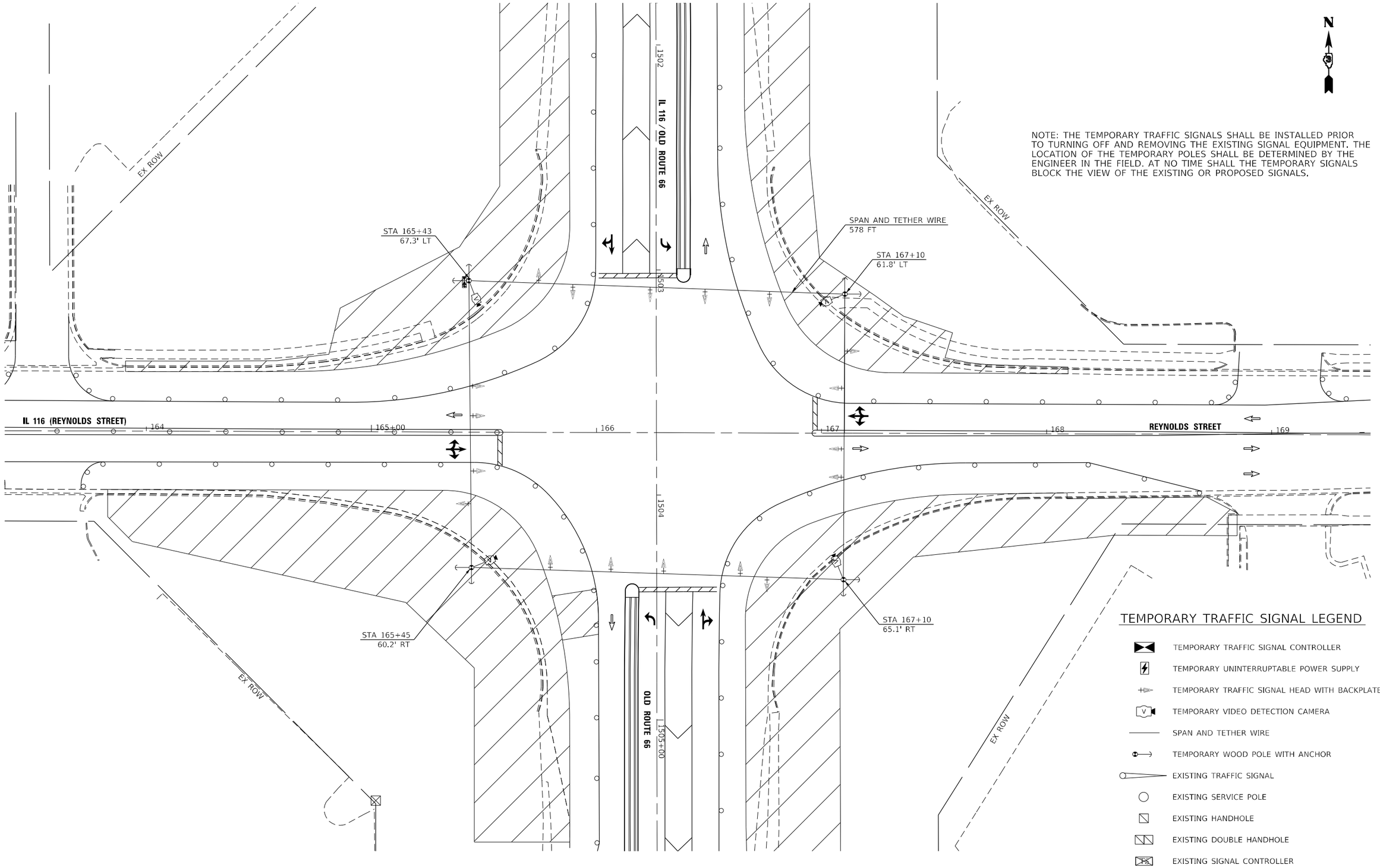
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 116 AND OR 66 STAGE I – TEMPORARY TRAFFIC SIGNAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 95
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 116 AND OR 66
STAGE II & III – TEMPORARY TRAFFIC SIGNAL PLAN

SCALE: | SHEET 8 OF 10 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	96
		CONTRACT NO. 66E54		
	ILLINOIS	FED. AID PROJECT		

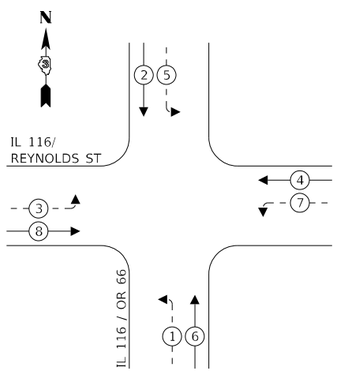
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

1	EACH	TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
4	EACH	MAST ARM CAP, MAST ARM END CAP, HANDHOLE DOOR, AND NUT COVER
4	EACH	TRAFFIC SIGNAL POLE AND MAST ARM
4	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED WITH BACKPLATE
4	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED WITH BACKPLATE
8	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED WITH BACKPLATE

ANY EXISTING TRAFFIC SIGNAL CABLES BELONGING TO ABOVE GROUND EQUIPMENT
ANY SIGNS MOUNTED TO EXISTING TRAFFIC SIGNAL EQUIPMENT

PHASE DESIGNATION AND SEQUENCING - STAGE II & III



LEGEND:

PROTECTED PHASE

PERMITTED PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

TEMPORARY TRAFFIC SIGNAL CONTROLLER

TEMPORARY UNINTERRUPTABLE POWER SUPPLY

TEMPORARY SERVICE INSTALLATION, POLE MOUNTED

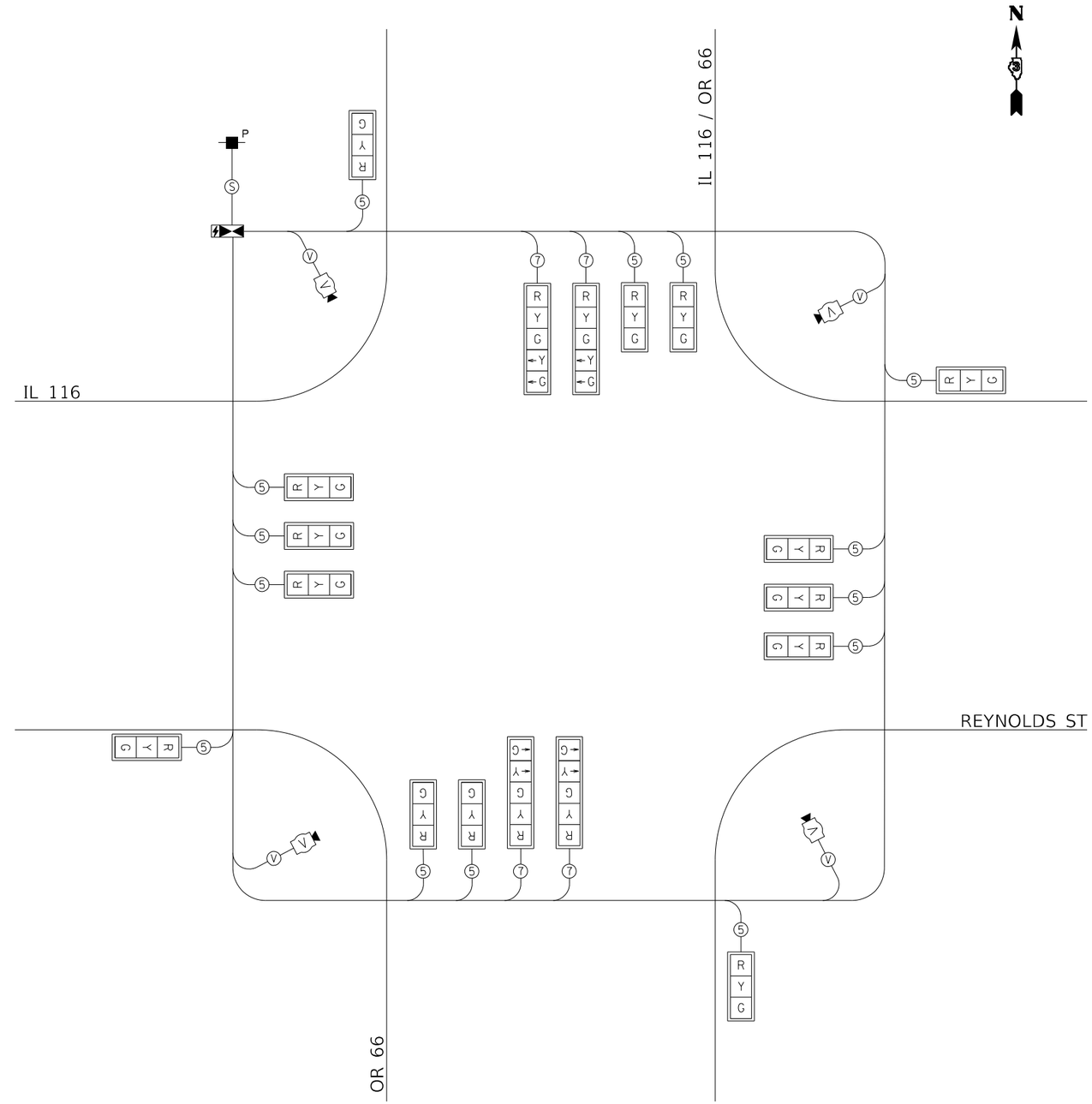
TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE

DENOTES NUMBER OF CONDUCTORS

TEMPORARY VIDEO DETECTION CAMERA

SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C

VIDEO CABLE
SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM



TEMPORARY CABLE DIAGRAM

MODEL: Default
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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 116 AND OR 66 STAGE II & III – TEMPORARY TRAFFIC SIGNAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	97
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54		
	PLOT DATE = 6/20/2024	DATE -	REVISED -		SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 6/27/18

ROUTE FAP 673 (IL 116) & FAU 6321 (OR 66) DESCRIPTION Traffic Signals at IL 116 West & OR 66 South Intersection in Pontiac LOGGED BY Larry Myers

SECTION (12) SFY LOCATION NE 1/4, SEC. 28, TWP. 28N, RNG. 5E, 3rd PM, Latitude 40.87366, Longitude -88.644146

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. 01 (S.W. Quad.)
Station 1504+87
Offset 54.0 ft Rt.
Ground Surface Elev. 642.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 636.5 ft
Upon Completion 634.5 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black Silty Clay Loam with Gravel Pieces & Debris	639.97				
Stiff Black Silty Clay Loam with Gravel & Concrete Debris - Fill	637.47	-5	2 2 2	1.5 P	22
Loose Loamy Fine Sand to Coarse Gravel with Silt Layers	634.97		2 1 2		24
Very Stiff Grayish Brown Silty Clay Loam Till - with some Large Gravel Pieces	629.97	-10	4 5 5	3.5 B	14
			4 5 6	3.0 B	12
Hard Gray & Bluish Green Clay Loam with Limestone Gravel Pieces - Weathered & Reworked Shale	626.47	-15	5 7 10	>4.5 P	9
			16 100/5"	>4.5 P	12
Auger Refusal @ 16' Assumed Limestone Surface End of Boring		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 6/27/18

ROUTE FAP 673 (IL 116) & FAU 6321 (OR 66) DESCRIPTION Traffic Signals at IL 116 West & OR 66 South Intersection in Pontiac LOGGED BY Larry Myers

SECTION (12) SFY LOCATION SE 1/4, SEC. 21, TWP. 28N, RNG. 5E, 3rd PM, Latitude 40.874001, Longitude -88.64376

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. 02 (N.E. Quad.)
Station 1502+54
Offset 53.0 ft Lt.
Ground Surface Elev. 642.29 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 636.3 ft
Upon Completion 630.3 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black Silty Clay Loam Fill	639.79				
Very Stiff Black Silty Clay Loam & Brown Sandy Clay Loam Fill	637.29	-5	4 4 3	2.5 P	16
Loose Brown Fine Sand to Coarse Gravel - Loamy	634.79		2 1 2		26
Very Stiff Gray Silty Clay Loam Till	627.79	-10	3 5 6	3.5 P	11
			3 6 7	3.8 B	9
			6 7 7	3.4 B	12
Hard Gray & Bluish Green Weathered & Reworked Shale with Large Limestone Pieces & Gravel Pieces	624.29	-15	9 21 73	>4.5 P	8
			100/3"		9
Auger Refusal @ 18' Assumed Limestone Surface End of Boring		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING IL 116 & OR 66 IN PONTIAC.GPJ IL_DOT.GDT 7/30/18

MODEL: Default
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Hutchison Engineering, Inc.

USER NAME = mbudzynski	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

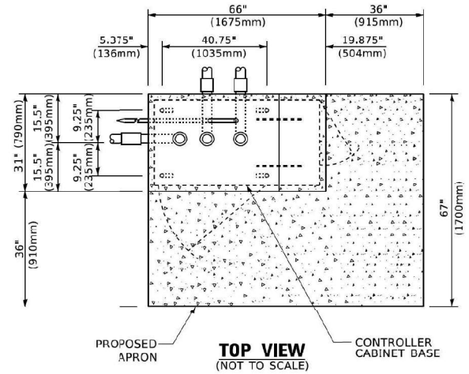
IL 116 AND OR 66
SOIL BORINGS

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

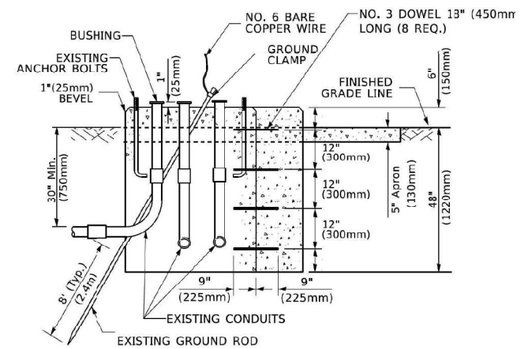
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	98

CONTRACT NO. 66E54

ILLINOIS FED. AID PROJECT



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK LENGTH

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MODEL: Default
FILE NAME: J:\2024\6033 Cold\DeSign\Sheets\0366E54-ch1-1Detail01.dgn

ABNA
www.abnacorp.com
ABNA ENGINEERING, INC.
745 McClintock Drive, Suite 210
Burr Ridge, IL 60527
Office: (773) 881-4788

USER NAME = ighimire	DESIGNED - IG	REVISED -	
	DRAWN - IG	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - TPP	REVISED -	
PLOT DATE = 7/2/2024	DATE - 6/20/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X)RS-4&(11X)RS-2	LIVINGSTON	108	99

CONTRACT NO. 66E54

ILLINOIS | FED. AID PROJECT

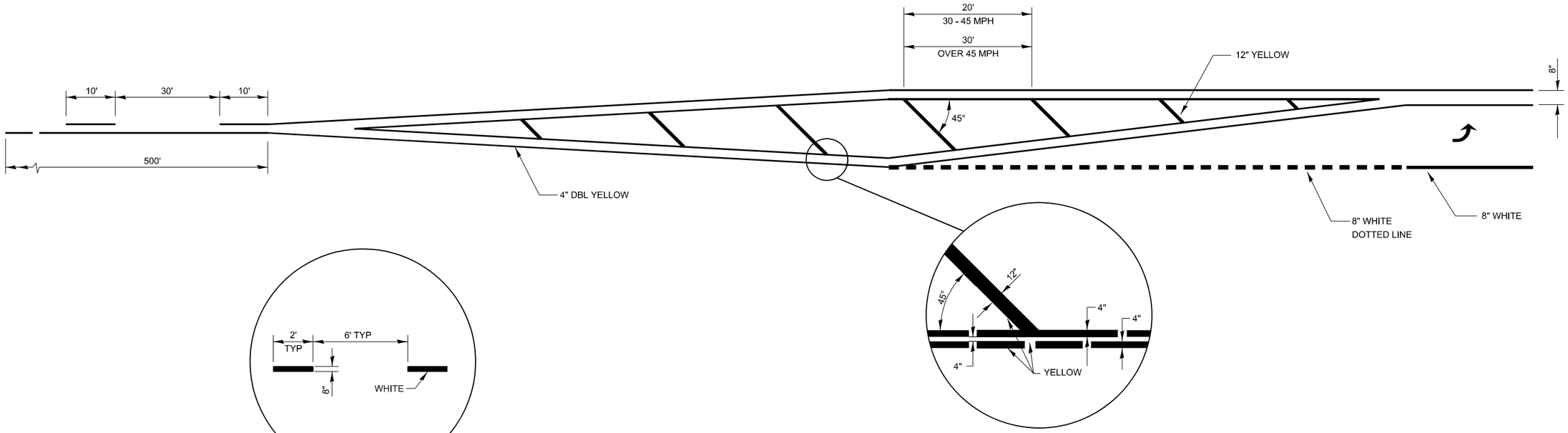
PROPOSED SEQUENCE OF OPERATION

MOVEMENT	5 1	6 1	5 2	2 6	7 3	3 8	4 7	4 8	FLASH
PHASE	1 + 5	1 + 6	2 + 5	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8	
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B	
CHANGE TO		1+6	2+5	2+6			2+6			2+6			3+7 3+8 4+7 4+8			1+5 1+6 2+5 2+6 4+8	3+8	4+7			1+5 1+6 2+5 2+6		4+8			1+5 1+6 2+5 2+6		4+8			1+5 1+6 2+5 2+6		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R G	R Y	R G	R Y	R	R	R	G G	G G	G Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R G	R G	R Y	R Y	G G	G G	G Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R G	R Y	R Y	R G	R	R	R	R	R	G G	G G	Y	R	G Y	G	G	Y	R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R G	R Y	R G	R Y	G G	G G	Y	R	G Y	R	R	R	R	R	G	G	Y	R	R
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	R	R	R	R	R	G	G	Y	R	R

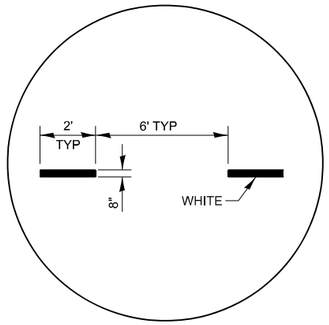
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																															PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5		8		8			11	11		14	18			18		22			22		26			26			CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◊
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R Y	R	R	R	R	R	G G	G Y	G G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R Y	G G	G Y	G G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R Y	R	R	R	R	R	G G	Y	R	G G	G Y	G	Y	R	G	R	G	◊
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	◊
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R Y	G G	Y	R	G G	G Y	R	R	R	R	R	G	Y	R	G	R	G	◊
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	◊

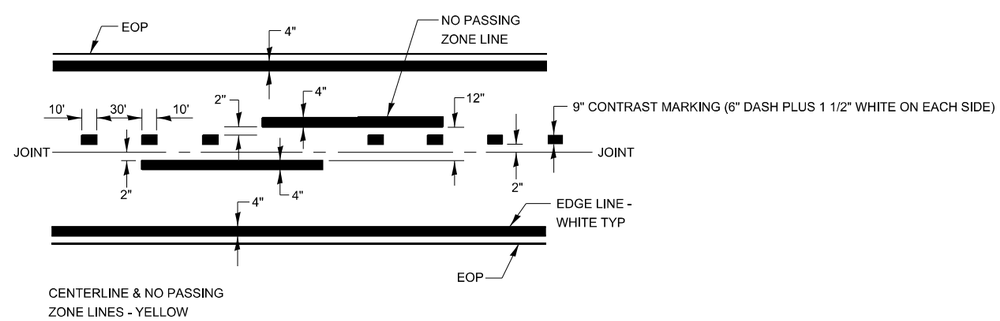
◊ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.



LEFT TURN LANE WITH APPROACH MEDIAN



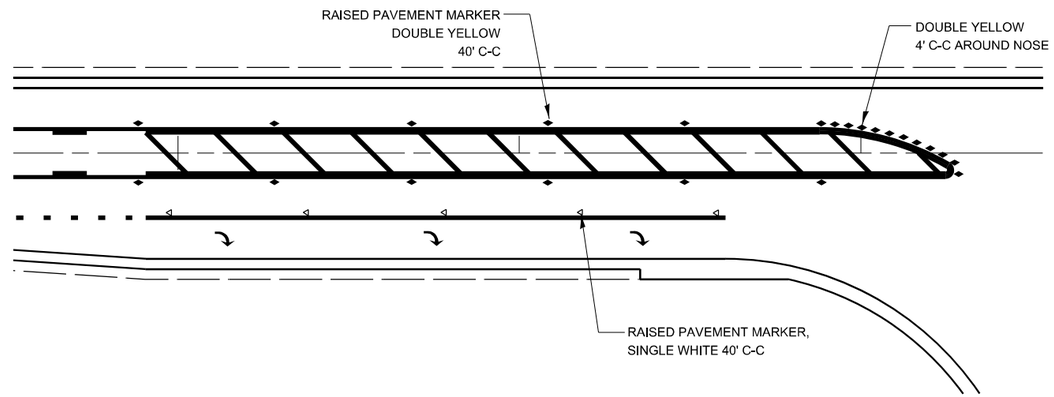
ADVANCE AND INTERSECTION LANE DIVIDER LINES



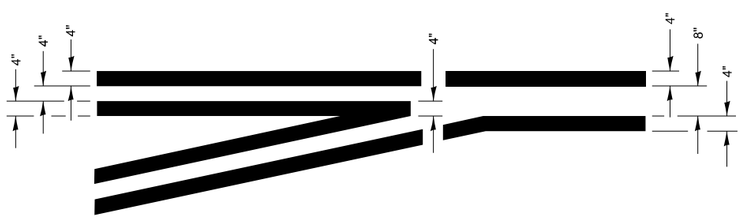
PAVEMENT MARKING

MODEL: Default
FILE NAME: V:\4845.17 _ QR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-int-detail.dgn

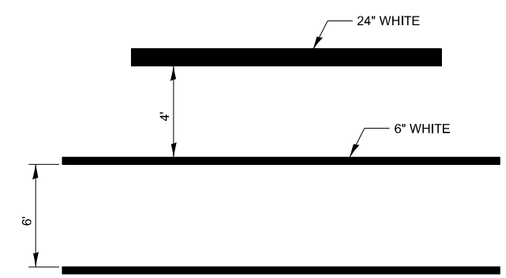
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 101
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKERS



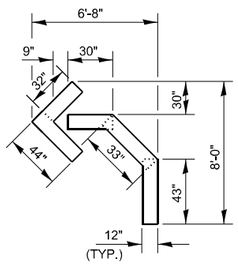
LEFT TURN LANE TYPICAL APPLICATION



TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

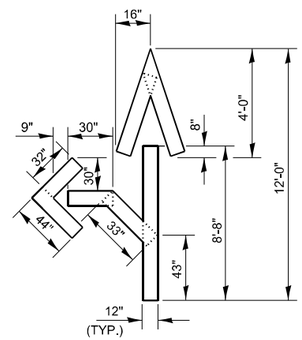
MODEL: Default
FILE NAME: V:\4845.17 _ QR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-int-detail.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 102
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



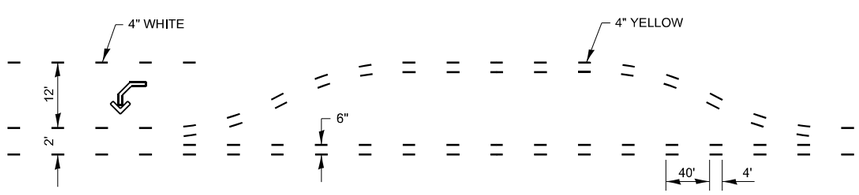
QUANTITY

12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT

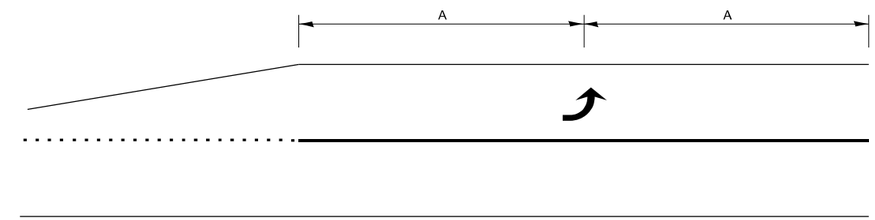


QUANTITY

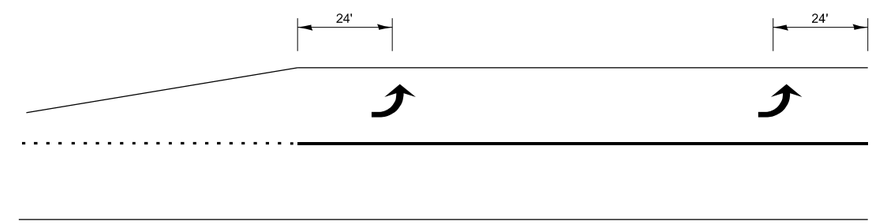
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



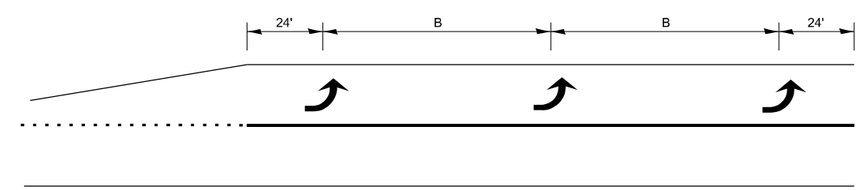
SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS



99' AND UNDER



100' TO 149'



150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-detail.dgn

Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 103
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

APS PUSHBUTTON PLACEMENT DETAILS

FIGURE 1: APS PUSHBUTTON LOCATION AREAS - INTERSECTION CORNER

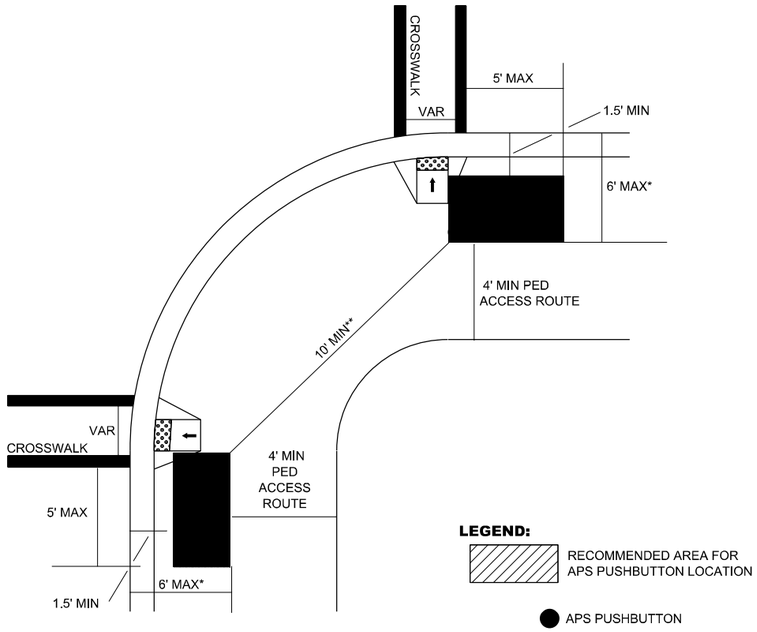


FIGURE 1 NOTES:

APS PUSHBUTTON SHOULD NOT BE GREATER THAN 5 FT. FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION.

APS PUSHBUTTON SHALL NOT BE FARTHER FROM THE CROSSWALK THAN THE STOP LINE, IF PRESENT.

FIGURE 2: APS PUSHBUTTON LOCATION AREAS - CORNER ISLAND

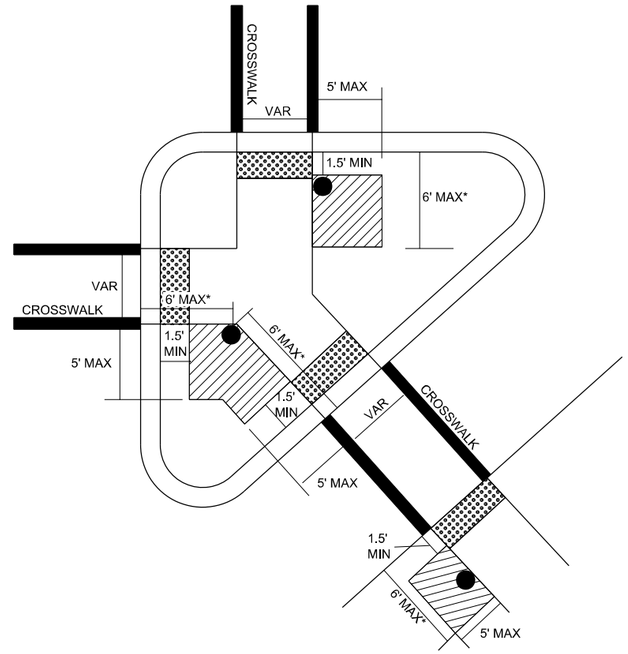


FIGURE 2 NOTES:

LARGER ISLANDS MAY REQUIRE THE USE OF THREE APS PUSHBUTTONS WITHIN THE ISLAND IN ORDER TO MEET PLACEMENT RECOMMENDATIONS.

APS PUSHBUTTONS SHALL NOT BE GREATER THAN 5-FT FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION.

APS PUSHBUTTON SHALL NOT BE FARTHER FROM THE CROSSWALK THAN THE STOP LINE, IF PRESENT.

GENERAL NOTES

(*) PUSHBUTTONS SHALL BE LOCATED BETWEEN 1.5' TO 6' BACK FROM EDGE OF CURB, SHOULDER OR PAVEMENT. WHERE THERE ARE CONSTRAINTS TO MAKE IT IMPRACTICAL TO INSTALL WITHIN THIS RANGE, THE PUSHBUTTON SHOULD NOT BE FURTHER THAN 10' FROM EDGE OF CURB, SHOULDER OR PAVEMENT.

(**) PUSHBUTTONS LOCATED IN THE SAME CORNER OF INTERSECTION SHALL BE 10-FT APART. WHERE PHYSICAL CONSTRAINTS MAKE IT IMPRACTICAL TO PROVIDE THIS SEPARATION, THEY MAY BE PLACED CLOSED TOGETHER OR MOUNTED ON THE SAME POST. IN THIS CASE, EACH APS PUSHBUTTON SHALL BE PROVIDED WITH A SPEECH WALK MESSAGE FOR THE WALKING PERSON INDICATION AND A SPEECH PUSHBUTTON INFORMATION MESSAGE.

VERTICAL HEIGHT OF THE APS PUSHBUTTONS SHALL BE LOCATED BETWEEN 30" TO 42" (36" PREFERRED) ABOVE THE PATHWAY ELEVATION. SEE HWY STND 876001.

PUSHBUTTONS SHALL BE LOCATED WITHIN TEN (10) INCHES OF THE PEDESTRIAN ACCESS ROUTE. WHEN REQUIRED, EXTENSIONS SHALL BE INSTALLED TO COMPLY WITH THIS REQUIREMENT. THE COST OF INSTALLING THE EXTENSION SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNAL.

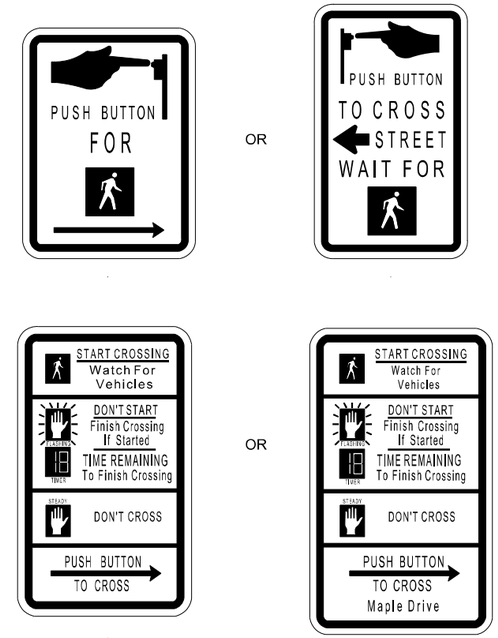
SEE ACCESSIBLE PEDESTRIAN SIGNALS (BDE) SPECIAL PROVISION FOR REQUIREMENTS NOT SHOWN IN THIS DETAIL.

FOUNDATIONS FOR PEDESTRIAN POSTS SHALL NOT PROTRUDE MORE THAN 4 INCHES ABOVE THE FINISHED GRADE / SIDEWALK

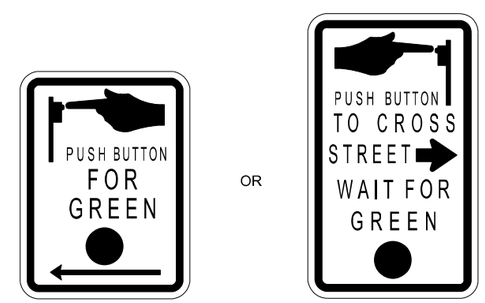
APS PUSHBUTTON INSTALLATIONS AT LOCATIONS WITH RAILROAD INTERCONNECTION OR EMERGENCY VEHICLE PREEMPTION SHALL INCLUDE AN ADDITIONAL SPEECH MESSAGE STATING "WALK TIME SHORTENED WHEN TRAIN APPROACHES" OR "WALK TIME SHORTENED WHEN EMERGENCY VEHICLE APPROACHES" TO NOTIFY PEDESTRIANS OF TRUNCATED CLEARANCE TIMES DUE TO PREEMPTION".

APS PUSHBUTTON SIGNING OPTIONS

AT INTERSECTIONS WITH PEDESTRIAN SIGNALS

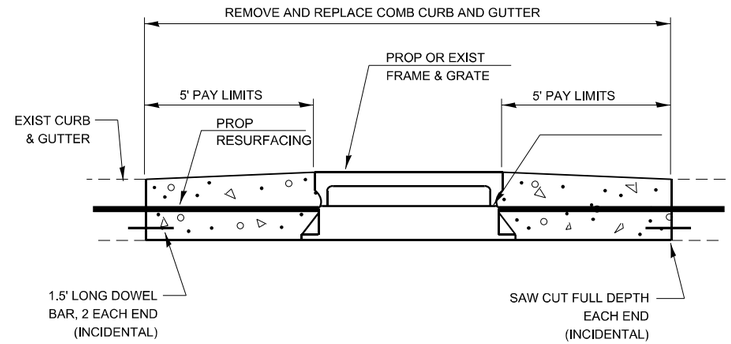


AT INTERSECTIONS WHERE PEDESTRIAN SIGNALS ARE NOT USED & PEDESTRIANS PROCEED ON GREEN SIGNAL INDICATION

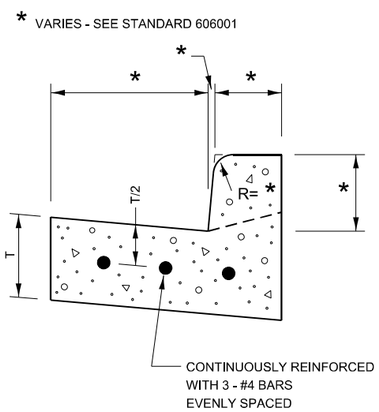


MODEL: Default
FILE NAME: V:\4845.17 OR 66 and IL 116 Intersection\CADD\CADD Sheets\0366E54-sht-detail.dgn

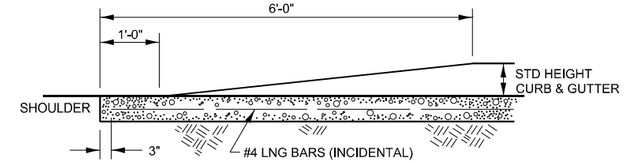
Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108 / 104
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 66E54	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



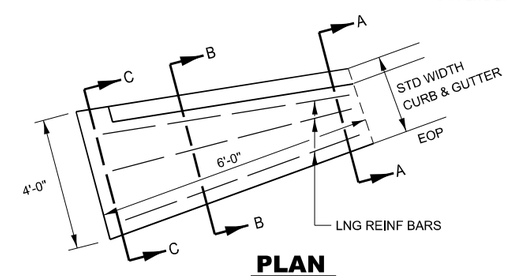
INLET ADJUST



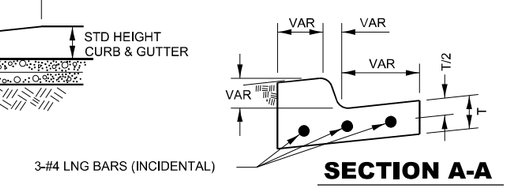
REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER



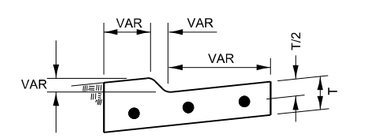
CURB DETAIL



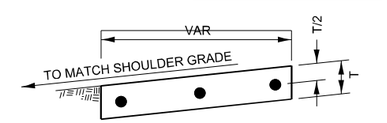
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

CURB & GUTTER OUTLET

MODEL: Default
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Hutchison Engineering, Inc.	USER NAME = mbudzynski	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	105
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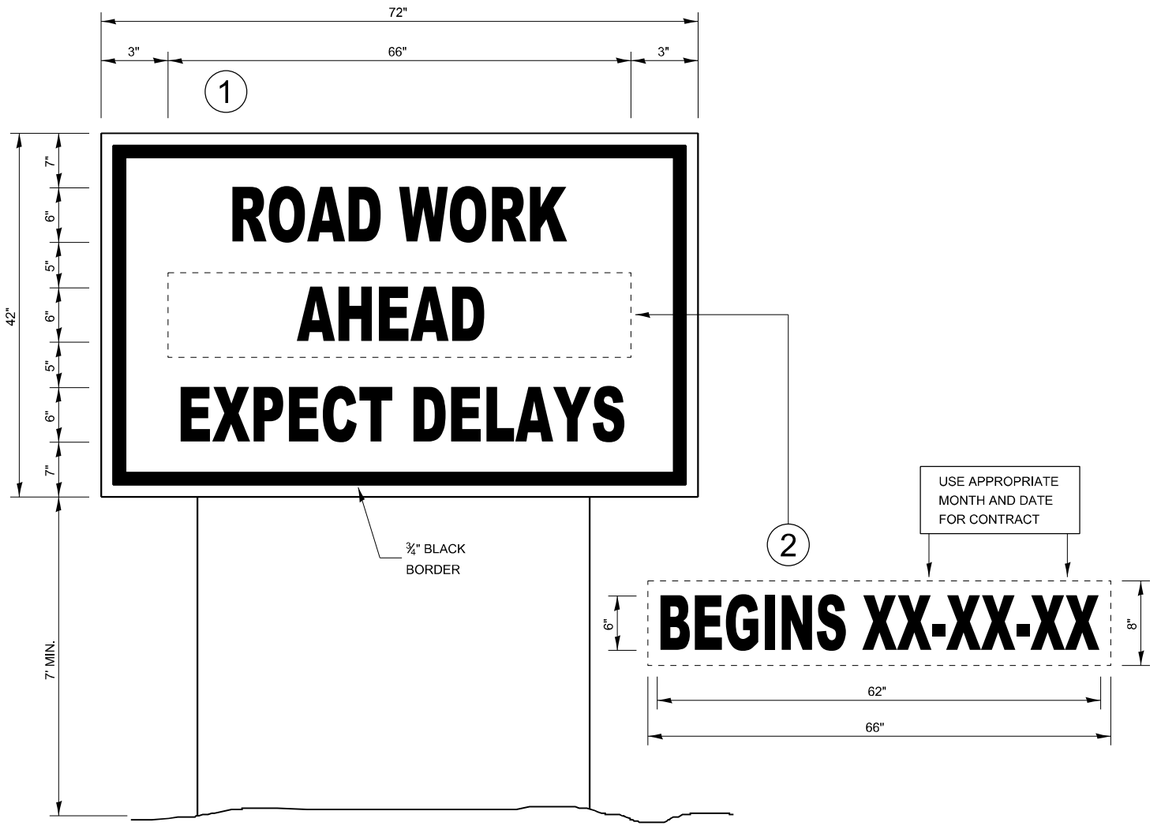
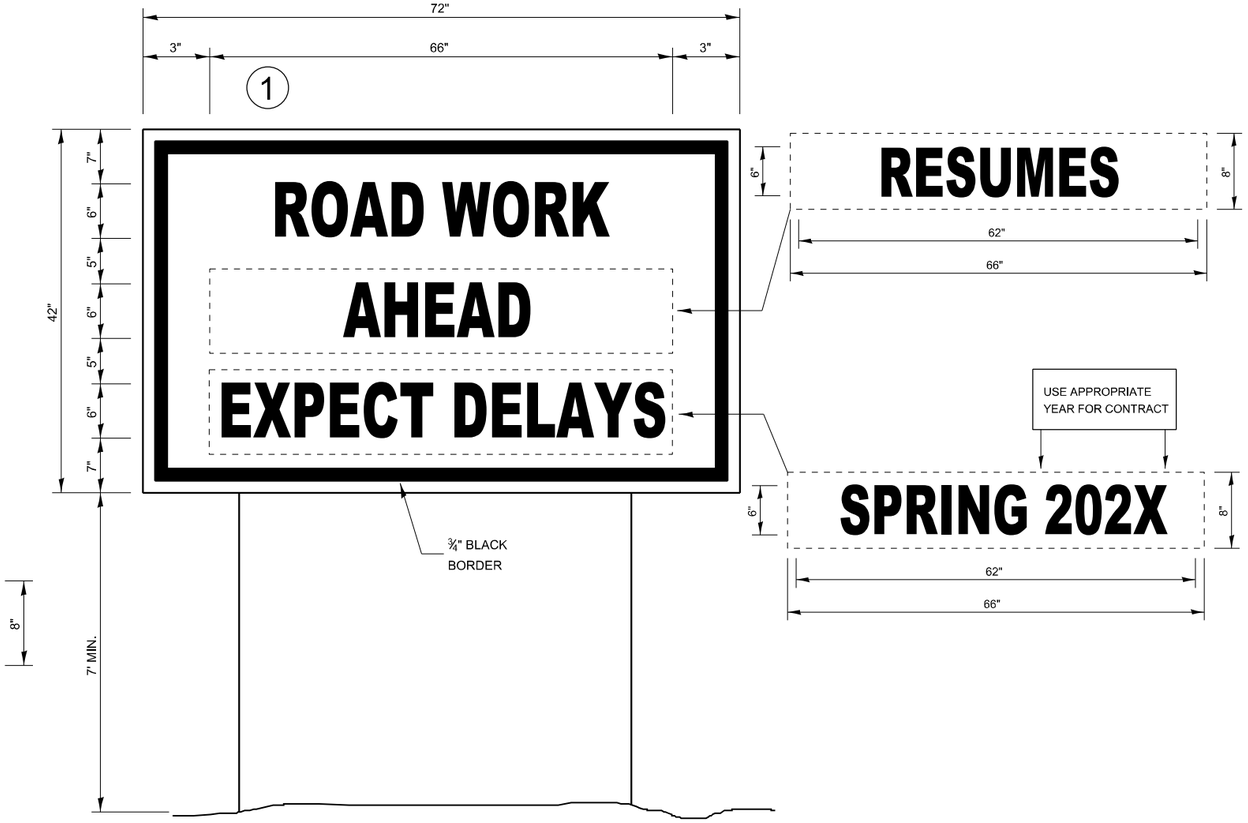


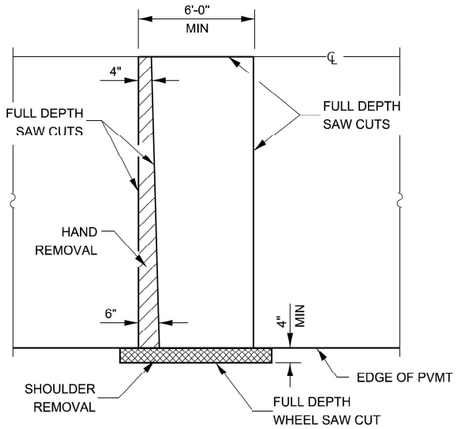
TEMPORARY INFORMATION SIGNING



WINTER SHUT DOWN SIGNING

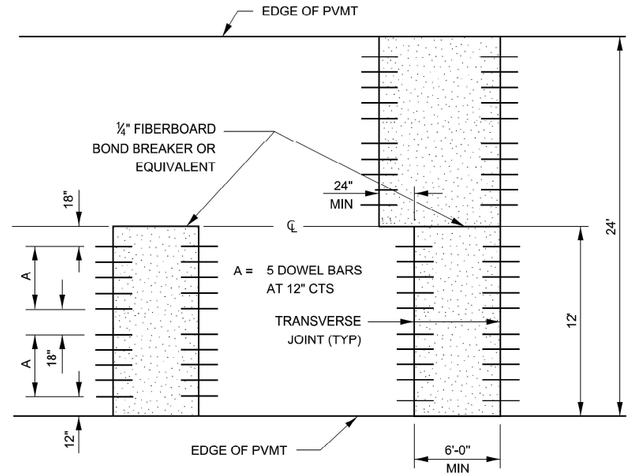
NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL②ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL②WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

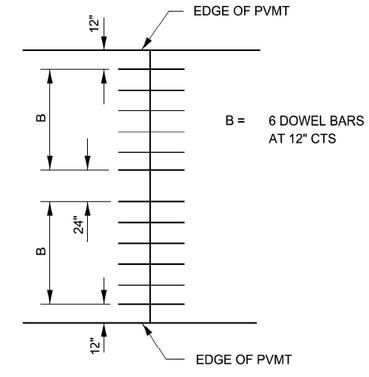


PAVEMENT SAWING DETAIL

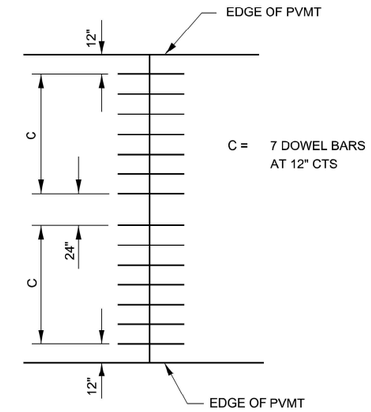
(HMA SHOULDER)



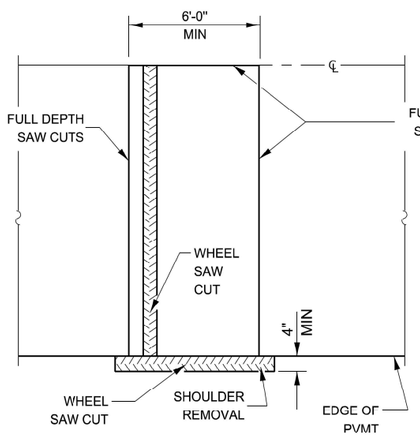
12' WIDE LANES



14' WIDE RAMP

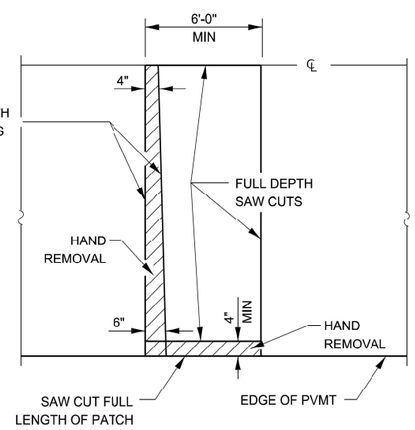


16' WIDE RAMP



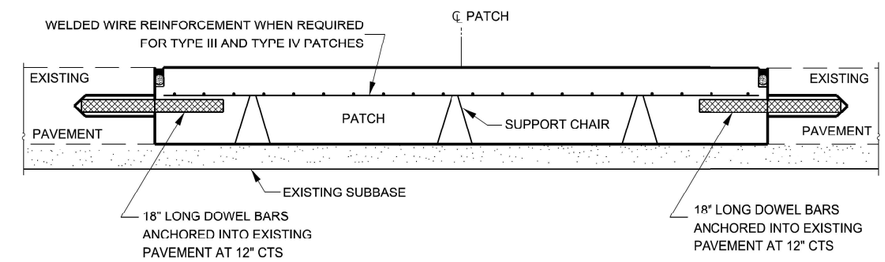
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

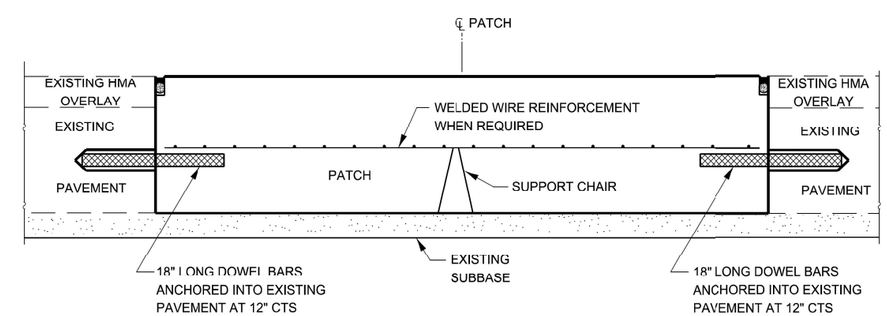


PAVEMENT SAWING DETAIL

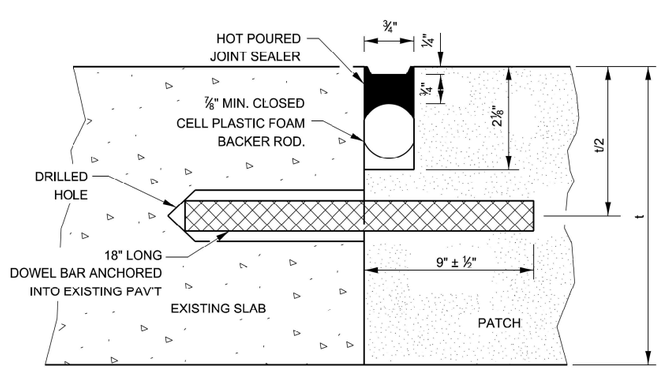
(PCC SHOULDER)



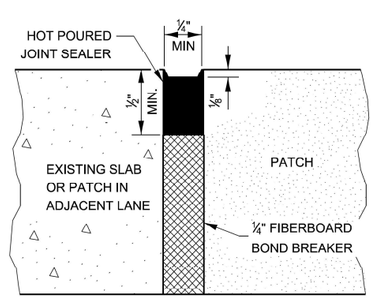
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT



CENTERLINE JOINT

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1½"	1⅝"
7" THRU 7.99"	1¼"	1⅜"
LESS THAN 7"	1"	1⅛"

GENERAL NOTES

THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.

SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.

442-3

SHEET 1 OF 2

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cwasowicz	DESIGNED - MGS	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - JWB	REVISED -	
PLOT DATE = 6/21/2024	DATE - 06/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLASS B PATCHING DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(112X) RS-4 & (11X) RS-2	LIVINGSTON	108	107
		CONTRACT NO. 66E54		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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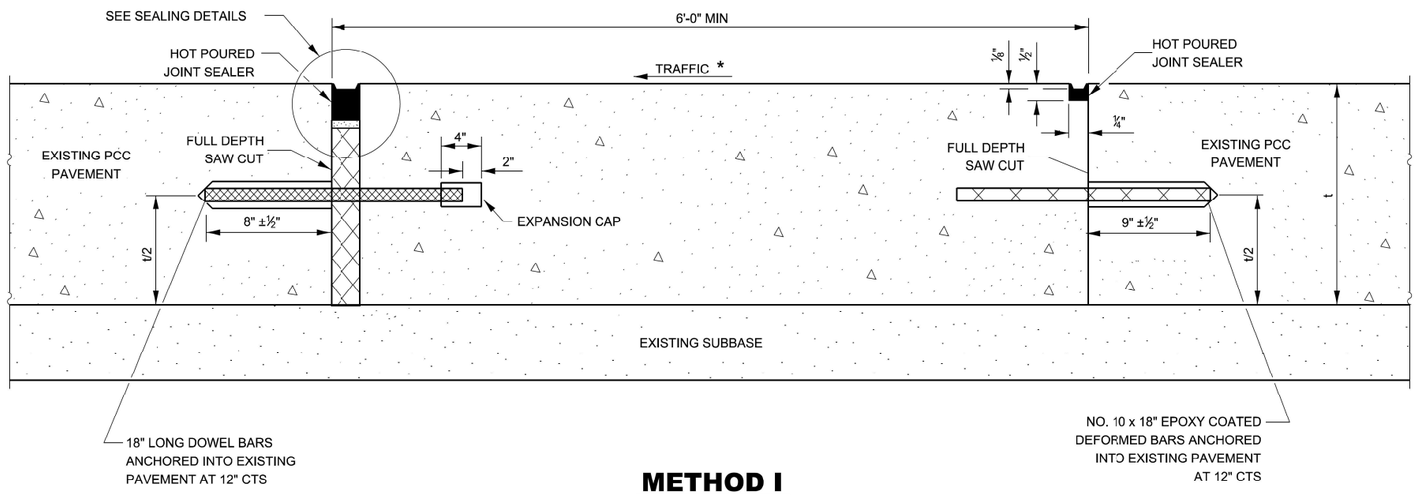
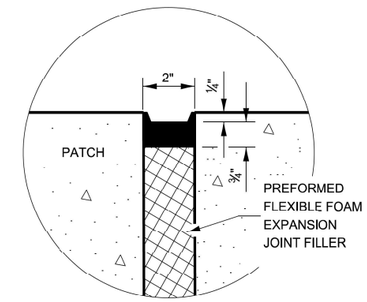
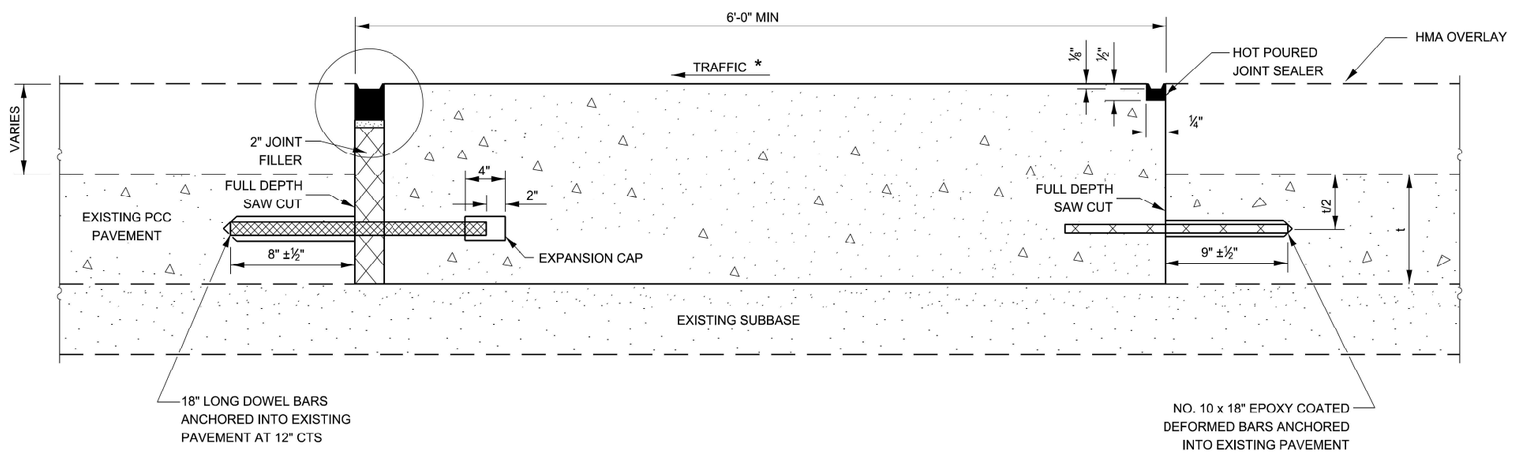


METHOD I

(WITHOUT HMA OVERLAY)

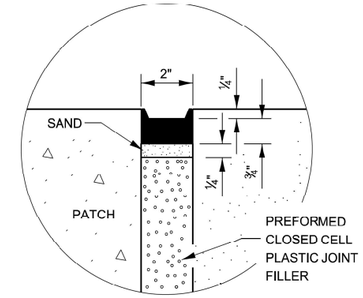


SEALING DETAIL



METHOD II

(WITH HMA OVERLAY)



SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

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SHEET 2 OF 2