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PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0050	550A0070	550A0090	550A0120	550A0430	550A0450	550A0470	550A0500	Z0056630	Z0056648	Z0056650	Z0056652	Z0056654	Z0056678	20800150	
						CL A TY 1 12" FT	CL A TY 1 15" FT	CL A TY 1 18" FT	CL A TY 1 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	STORM SEWER (WATER MAIN REQUIREMENTS) 60" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	TRENCH BACKFILL CU YD	
P-A02	S-A02	S-A01	0.50	12	41	41															7
P-A03	S-A03	S-A02	0.50	12	31	31															6
P-A04	S-A04	S-A03	0.50	12	41	41															9
P-A05	S-A05	S-A01	0.50	12	16										16						3
P-A06	S-A06	S-A05	0.50	12	35										35						5
P-A07	S-A07	S-A06	0.50	12	47										47						8
P-A08	S-A08	S-A07	0.50	12	53										53						10
P-A09	S-A09	S-A08	0.50	12	33										33						6
P-A10	S-A10	S-A09	0.50	12	17										17						3
P-B02	S-B02	S-B01	1.50	12	17										17						13
P-B02A	S-B02A	S-B02	0.50	12	5										5						10
P-B03	S-B03	S-B02	4.00	12	46	46															26
P-B04	S-B04	S-B03	4.00	12	61	61															33
P-B05	S-B05	S-B04	4.00	12	36	36															21
P-B05A	S-B05A	S-B05	0.50	12	6										6						6
P-B05B	S-B05B	S-B05A	3.00	12	57										57						32
P-B06	S-B06	S-B05	4.00	12	56	56															39
P-B07	S-B07	S-B06	3.00	12	56	56															43
P-B07A	S-B07A	S-B07	0.50	12	9										9						8
P-B07B	S-B07B	S-B07A	3.00	12	51										51						34
P-B08	S-B08	S-B07	3.00	12	136										136						86
P-B09	S-B09	S-B08	0.50	12	36										36						17
P-B09A	S-B09A	S-B09	3.00	12	45										45						21
P-C001Z	S-C001Z	S-C10A	0.50	12	5										5						0
P-C002Z	S-C002Z	S-C12D	0.50	12	4										4						0
P-C003Z	S-C003Z	S-C14E	0.50	12	4										4						0
P-C004Z	S-C004Z	S-C15D	0.50	12	4										4						0
P-C005Z	S-C005Z	S-C17	0.50	12	4										4						0
P-C006Z	S-C006Z	S-C19	0.50	12	4										4						0
P-C007Z	S-C007Z	S-C006Z	0.50	12	35										35						0
P-C008Z	S-C008Z	S-D01F	0.50	12	12										12						0
P-C01	S-C01	S-C02	0.50	15	23											23					14
P-C01B	S-C01B	S-C01	0.44	12	67										67						41
P-C02	S-C02	S-C03	0.65	15	16											16					16
P-C03	S-C03	S-C04	0.40	15	21											21					18
P-C04	S-C04	S-C05	0.40	15	26											26					19
P-C05	S-C05	S-C06	0.35	24	26												26				24
P-C05A	S-C05A	S-C05	0.50	12	23	23															7
P-C05B	S-C05B	S-C05A	0.50	12	47										47						24
P-C05C	S-C05C	S-C05B	0.50	12	48	48															34
P-C06	S-C06	S-C07	0.35	24	26												26				21
P-C07	S-C07	S-C08	0.35	24	26												26				19
P-C08	S-C08	S-C09	0.35	24	26												26				18
P-C09	S-C09	S-C10	0.35	24	26												26				12
P-C10	S-C10	S-C11	0.35	24	2				2												2
P-C10A	S-C10A	S-C10	0.50	15	21																13
P-C10B	S-C10B	S-C10A	0.50	12	27										27						15
P-C11	S-C11	S-C12	0.30	24	155				155												111
P-C11A	S-C11A	S-C11	0.50	12	14	14															10
P-C11B	S-C11B	S215R	0.50	12	22	22															13
P-C11C	S-C11C	S-C11B	0.50	12	18	18															10
P-C11D	S-C11D	S-C11A	0.50	12	57	57															32
P-C12	S-C12	S-C13	0.30	30	50				50												48
P-C12A	S-C12A	S-C12	0.50	15	15																12
P-C12B	S-C12B	S-C12A	0.50	12	27	27															18
P-C12C	S-C12C	S-C12B	0.50	12	38	38															22
P-C12D	S-C12D	S-C12	0.50	12	2	2															4
P-C12E	S-C12E	S-C12D	0.50	12	37	37															23



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**PIPE SCHEDULE**

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 101
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

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PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0050	550A0070	550A0090	550A0120	550A0430	550A0450	550A0470	550A0500	Z0056630	Z0056648	Z0056650	Z0056652	Z0056654	Z0056678	20800150	
						CL A TY 1 12" FT	CL A TY 1 15" FT	CL A TY 1 18" FT	CL A TY 1 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	STORM SEWER (WATER MAIN REQUIREMENTS) 60" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	TRENCH BACKFILL CU YD	
P-C12F	S-C12F	S-C12D	0.50	12	23																15
P-C13	S-C13	S-C13A	0.69	42	26							26									32
P-C13A	EXISTING	S-C13	0.69	42	10							10									15
P-C14	S-C14	S-C13	0.30	30	90					90											91
P-C14A	S-C14A	S-C14	0.50	12	15	15															12
P-C14B	S-C14B	S-C14A	0.50	12	37	37															25
P-C14C	S-C14C	S-C14A	0.50	12	37	37															24
P-C14D	S-C14D	S-C14C	0.50	12	23	23															14
P-C14E	S-C14E	S-C14	0.50	12	2	2															4
P-C14F	S-C14F	S-C14E	0.50	12	57										57						38
P-C15	S-C15	S-C14	0.30	24	115				115												115
P-C15A	S-C15A	S-C15	0.50	12	15	15															12
P-C15B	S-C15B	S-C15A	0.50	12	37	37															26
P-C15C	S-C15C	S-C15A	0.50	12	37	37															24
P-C15D	S-C15D	S-C15	0.50	12	2	2															4
P-C16	S-C16	S-C15	0.30	24	119				119												126
P-C16A	S-C16A	S-C16	0.50	12	14	14															12
P-C16B	S-C16B	S-C16A	0.50	12	42	42															30
P-C16C	S-C16C	S-C16A	0.50	12	42	42															28
P-C17	S-C17	S-C16	0.32	18	2			2													5
P-C17A	S-C17A	S-C17	0.50	12	33										33						17
P-C18	S-C18	S-C17	0.35	18	41												41				31
P-C19	S-C19	S-C18	0.40	15	76											76					55
P-C19A	S-C19A	S-C19	0.50	12	22	22															15
P-C19B	S-C19B	S-C19A	0.50	12	36	36															23
P-C19C	S-C19C	S-C19A	0.50	12	22	22															14
P-C19D	S-C19D	S-C19B	0.50	12	37	37															23
P-C19E	S-C19E	S-C19D	0.50	12	43	43															27
P-C20	S-C20	S-C19	0.50	12	78										78						48
P-D001Z	S-D001Z	S-D22A	0.50	12	15	15															0
P-D002Z	S-D002Z	S-D001Z	0.50	12	39	39															0
P-D003Z	S-D003Z	S-D21A	0.50	12	17										17						0
P-D004Z	S-D004Z	S-D20B	0.50	12	22	22															0
P-D01	S-D01	S-D02	0.40	18	21												21				8
P-D01A	S-D01A	S-D01	0.41	15	22		22														8
P-D01B	S-D01B	S-D01A	0.50	12	22	22															7
P-D01C	S-D01C	S-D01B	0.50	12	23	23															6
P-D01D	S-D01D	S-D01A	0.50	12	22	22															7
P-D01E	S-D01E	S-D01D	0.50	12	23	23															7
P-D01F	S-D01F	S-D01	0.51	12	27										27						9
P-D02	S-D02	S-D03	0.40	18	21												21				8
P-D03	S-D03	S-D04	0.40	18	21												21				8
P-D04	S-D04	S-D05	0.40	18	21												21				7
P-D05	S-D05	S-D06	0.40	18	20												20				14
P-D06	S-D06	S-D07	0.40	18	22												22				15
P-D06A	S-D06A	S-D06	0.40	15	22		22														14
P-D06B	S-D06B	S-D06A	0.50	12	22	22															13
P-D06C	S-D06C	S-D06B	0.50	12	23	23															12
P-D06D	S-D06D	S-D06C	0.50	12	25	25															7
P-D06E	S-D06E	S-D06A	0.50	12	22	22															14
P-D06F	S-D06F	S-D06E	0.50	12	23	23															14
P-D07	S-D07	S-D08	0.40	18	41												41				43
P-D08	S-D08	S-D09	0.40	18	111												111				126
P-D09	S-D09	S-D10	0.24	24	96													96			165
P-D09A	S-D09A	S-D09	0.40	15	22		22														17
P-D09B	S-D09B	S329R	0.50	12	27	27															17
P-D09C	S-D09C	S-D09A	0.50	12	27	27															21



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/17/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**PIPE SCHEDULE**

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	102
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

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PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0050	550A0070	550A0090	550A0120	550A0430	550A0450	550A0470	550A0500	Z0056630	Z0056648	Z0056650	Z0056652	Z0056654	Z0056678	20800150	
						CL A TY 1 12" FT	CL A TY 1 15" FT	CL A TY 1 18" FT	CL A TY 1 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	STORM SEWER (WATER MAIN REQUIREMENTS) 60" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	TRENCH BACKFILL CU YD	
P-D10	S-D10	S-D11	0.25	24	46																64
P-D11	S-D11	S-D12	0.25	24	26																33
P-D12	S-D12	S-D13	0.25	24	76																76
P-D12A	S-D12A	S-D12	0.50	12	22	22															12
P-D12B	S-D12B	S-D12A	0.50	12	77	77															49
P-D13	S-D13	S317R	0.25	24	81														81		57
P-D14	S-D14	S-D15	0.25	24	26														26		22
P-D15	S-D15	S-D16	0.26	24	3				3												5
P-D15A	S-D15A	S-D15	0.50	12	42										42						21
P-D15B	S-D15B	S-D15A	0.50	12	43										43						12
P-D16	S-D16	S-D17	0.25	30	184					184											174
P-D16A	S-D16A	S-D16	0.40	15	13		13														9
P-D16B	S-D16B	S-D16A	0.50	12	32	32															17
P-D16C	S-D16C	S-D16B	0.50	12	38	38															11
P-D16D	S-D16D	S-D16A	0.50	12	26	26															15
P-D16E	S-D16E	S-D16D	0.50	12	21	21															13
P-D16F	S-D16F	S-D16E	0.50	12	17	17															11
P-D16G	S-D16G	S-D16F	0.50	12	38	38															24
P-D17	S-D17	S-D18	0.20	30	159					159											135
P-D17A	S-D17A	S-D17	0.40	15	13		13														9
P-D17B	S-D17B	S-D17	0.50	12	3	3															4
P-D17C	S-D17C	S-D17A	0.50	12	32	32															17
P-D17D	S-D17D	S-D17A	0.50	12	32	32															18
P-D17E	S-D17E	S-D17D	0.50	12	38	38															21
P-D17F	S-D17F	S-D17B	0.50	12	52										52						29
P-D18	S-D18	S-D19	0.20	36	104						104										84
P-D18A	S-D18A	S-D18	0.40	15	13		13														9
P-D18B	S-D18B	S-D18A	0.50	12	21	21															13
P-D18C	S-D18C	S-D18B	0.50	12	27	27															16
P-D18D	S-D18D	S-D18C	0.50	12	38	38															21
P-D18E	S-D18E	S-D18	0.35	24	3				3												5
P-D18E2	EXISTING	S-D18E	0.25	24	8													8			0
P-D18F	S-D18F	S-D18E	0.50	12	52										52						36
P-D18G	S-D18G	S-D18F	0.50	12	48										48						33
P-D19	S-D19	S-D20	0.20	36	94						94										80
P-D19A	S-D19A	S-D19	0.40	15	13		13														9
P-D19B	S-D19B	S-D19A	0.50	12	28	28															16
P-D19C	S-D19C	S-D19B	0.50	12	25	25															9
P-D19D	S-D19D	S-D19A	0.50	12	32	32															17
P-D19E	S-D19E	S-D19D	0.50	12	33	33															11
P-D19F	S-D19F	S-D19	0.50	12	3	3															3
P-D19G	S-D19G	S-D19F	0.50	12	32																17
P-D19H	S-D19H	S-D19F	0.50	12	27										27						15
P-D20	S-D20	S-D21	0.20	36	199						199										195
P-D20A	S-D20A	S-D20	0.50	12	14	14															9
P-D20B	S-D20B	S-D20A	0.50	12	42	42															13
P-D20C	S-D20C	S-D20	0.50	12	2	2															3
P-D21	S-D21	S-D22	0.20	36	139															139	145
P-D21A	S-D21A	S-D21	0.50	15	13																9
P-D21B	S-D21B	S-D22H	0.50	12	40	40															19
P-D21C	S-D21C	S-D21A	0.50	12	37	37															20
P-D21D	S-D21D	S-D21	0.50	12	3																4
P-D22	S-D22	S-D23	0.20	36	159						159										185
P-D22A	S-D22A	S-D22	0.35	18	14														14		13
P-D22B	S-D22B	S-D22A	0.35	18	21																18
P-D22C	S-D22C	S215R	0.40	15	16		16														14
P-D22D	S-D22D	S-D22C	0.40	15	29		29														19
P-D22E	S-D22E	S-D22D	0.50	12	29	29															18



USER NAME = Roadway	DESIGNED = RD	REVISED =
	DRAWN = DDS	REVISED =
PLOT SCALE = 2.0000' / in.	CHECKED = TW	REVISED =
PLOT DATE = 9/17/2021	DATE = 9/1/2021	REVISED =

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**PIPE SCHEDULE**

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 103
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

DATE PLOTTED = 9/17/2021 7:29:48 AM  
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PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0050	550A0070	550A0090	550A0120	550A0430	550A0450	550A0470	550A0500	Z0056630	Z0056648	Z0056650	Z0056652	Z0056654	Z0056678	20800150		
						CL A TY 1 12" FT	CL A TY 1 15" FT	CL A TY 1 18" FT	CL A TY 1 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	STORM SEWER (WATER MAIN REQUIREMENTS) 60" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	TRENCH BACKFILL CU YD		
P-D22F	S-D22F	S-D22E	0.50	12	18	18															11	
P-D22G	S-D22G	S-D22A	0.40	15	22		22															14
P-D22H	S-D22H	S-D22G	0.50	12	38	38																22
P-D22I	S-D22I	S-D22	0.35	18	3			3														6
P-D22J	S-D22J	S-D22I	0.35	18	7												7					9
P-D22K	S-D22K	S-D22J	0.50	12	20										20							18
P-D22L	S-D22L	S-D22K	0.50	12	18										18							16
P-D22M	S-D22M	S-D22I	0.50	12	12										12							9
P-D22N	S-D22N	S-D22M	0.50	12	53										53							29
P-D22O	S-D22O	S-D22F	0.50	12	23	23																14
P-E01	S-E01	S-E02	0.40	60	23								23									46
P-E01A	S-E01A	S-E01	0.50	12	11	11																45
P-E02	S-E02	S-E03	0.20	60	155									155								4
P-E03	S-E03	S-E04	0.20	60	230									230								251
P-E03A	S-E03A	S-E03	0.50	12	23										23							289
P-E03B	S-E03B	S-E03A	0.50	12	67	67																19
P-E03C	S-E03D	S-E04D	0.97	12	34	34																14
P-E03D	S-E03C	S-E03D	0.53	12	24										24							50
P-E03E	S-E03E	S-E03	0.56	12	11										11							21
P-E03F	S-E03F	S-E03E	0.46	12	67										67							2
P-E03G	S-E03G	S-E03E	0.46	12	72										72							10
P-E03H	S-E03H	S-E04H	0.46	12	44										44							6
P-E04	S-E04	S-E05	0.20	60	132									132								6
P-E04A	S-E04A	S-E04	0.40	15	22		22															142
P-E04B	S-E04B	S-E04A	0.50	15	41		41															15
P-E04C	S-E04C	S-E04B	0.50	12	41	41																25
P-E04D	S-E04D	S-E04C	0.53	12	41	41																25
P-E04E	S-E04E	S-E04A	0.50	12	47	47																26
P-E04F	S-E04F	S-E04	0.50	15	10											10						26
P-E04G	S-E04G	S-E04F	0.50	12	41										41							2
P-E04H	S-E04H	S-E04G	0.48	12	42										42							5
P-E04I	S-E04I	S-E04F	0.45	12	49										49							5
P-E05	S-E05	S-E06.2	0.20	60	108									108								5
P-E05A	S-E05A	S-E05	0.47	15	19		19															123
P-E05B	S-E05B	S-E05A	0.50	12	28	28																12
P-E05C	S-E05C	S-E05A	0.45	12	4	4																16
P-E05D	S-E05D	S-E05C	0.50	12	22	22																4
P-E05E	S-E05E	S-E05D	0.50	12	33	33																13
P-E05F	S-E05F	S-E05	0.40	15	9											9						18
P-E05G	S-E05G	S-E05F	0.55	12	23										23							1
P-E05H	S-E05H	S-E05F	0.75	12	5										5							2
P-E05I	S-E05I	S-E05H	0.47	12	43										43							1
P-E06	S-E06	S-E07	0.20	60	180									180								3
P-E06.2	S-E06.2	S-E06	0.20	60	81									81								263
P-E06A	S-E06A	S-E06	0.40	15	20		20															108
P-E06B	S-E06B	S-E06A	0.50	12	44	44																17
P-E06C	S-E06C	S-E06B	0.50	12	24	24																23
P-E06D	S-E06D	S-E06A	0.52	12	31	31																7
P-E06E	S-E06E	S-E06D	0.50	12	28	28																19
P-E06F	S-E06F	S-E06	0.52	12	8										8							15
P-E06G	S-E06G	S-E06F	0.56	12	16										16							1
P-E06H	S-E06H	S-E06.2	0.40	18	8												8					1
P-E06I	S-E06I	S-E06H	0.50	12	14																	2
P-E07	S-E07	S-E08	0.20	60	150									150								1
P-E07A	S-E07A	S-E07	0.40	15	17		17															226
P-E07B	S-E07B	S-E07A	0.50	12	37	37																14
P-E07C	S-E07C	S-E07A	0.50	12	10	10																26
P-E07D	S-E07D	S-E07C	0.50	12	22	22																9



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**PIPE SCHEDULE**

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 104
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0050	550A0070	550A0090	550A0120	550A0430	550A0450	550A0470	550A0500	Z0056630	Z0056648	Z0056650	Z0056652	Z0056654	Z0056678	20800150	
						CL A TY 1 12" FT	CL A TY 1 15" FT	CL A TY 1 18" FT	CL A TY 1 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	STORM SEWER (WATER MAIN REQUIREMENTS) 60" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	TRENCH BACKFILL CU YD	
P-E07E	S-E07E	S-E07A	0.50	12	32	32															16
P-E07F	S-E07F	S-E07E	0.50	12	13	13															22
P-E07G	S-E07G	S-E07	0.71	12	6										6						10
P-E07H	S-E07H	S-E07G	0.47	12	47										47						2
P-E08	S-E08	S-E08.2	0.20	60	83									83							7
P-E08.2	S-E08.2	S-E09	0.20	60	47									47							125
P-E08A	S-E08A	S-E08	0.40	15	16		16														76
P-E08B	S-E08B	S-E08A	0.50	12	22	22															13
P-E08C	S-E08C	S-E08B	0.50	12	33	33															15
P-E08D	S-E08D	S-E08E	0.56	12	27	27															20
P-E08E	S-E08E	S-E08K	0.57	12	30	30															15
P-E08F	S-E08F	S-E08	0.71	15	6											6					15
P-E08G	S-E08G	S-E08F	0.50	12	32										32						1
P-E08H	S-E08H	S-E08F	0.47	12	51										51						4
P-E08I	S-E08I	S-E08H	0.62	12	6										6						6
P-E08J	S-E08J	S-E08.2	0.50	12	6										6						1
P-E08K	S-E08K	S-E08.2	0.55	15	16		16														2
P-E08L	S-E08L	S-E08K	0.50	12	9	9															9
P-E08M	S-E08M	S-E08L	0.50	12	25	25															4
P-E09	S-E09	S-E11	0.20	60	31								31								9
P-E09A	S-E09A	S-E09	0.65	12	6										6						57
P-E09B	S-E09B	S-E09A	0.48	12	31										31						2
P-E09C	S-E09C	S-E09B	0.48	12	23										23						6
P-E09D	S-E09D	S-E09B	0.50	12	24	24															4
P-E11	S-E11	S-E12	0.20	60	75								75								4
P-F01	S-F01	S-F02	3.00	12	119										119						90
P-F02	S-F02	S-F03	3.00	12	77	77															44
P-F03	S-F03	S-F04	1.00	12	36	36															18
P-F03A	S-F03A	S-F03	0.50	12	27										27						8
P-F04	S-F04	EXISTING SEWER	0.50	12	29	29															19
P-G01	S-G01	S-G02	0.50	12	35	35															1
TOTAL PROPOSED STORM SEWER						3194	351	40	397	483	556	36	129	1166	2249	221	334	489	139	7192	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PIPE SCHEDULE**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	105
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	











STRUCTURE NO.	ALIGNMENT	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM	ELEVATIONS									
						RIM	INVERTS						SW		
							NORTH	SOUTH	EAST	WEST	NE	NW		SE	
S-E07D	CLAVEY RD	22+14.64	31.1	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.16		631.09 (EX.)	628.29					
S-E07E	CLAVEY RD	22+75.01	12.3	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.48			628.30	628.30				
S-E07F	CLAVEY RD	22+90.00	12.2	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.43				628.36				
S-E07G	CLAVEY RD	22+40.00	13.4	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.55		630.64	630.64					
S-E07H	CLAVEY RD	22+90.00	12.28	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.42				630.86				
S-E08	CLAVEY RD	23+89.97	5.4	LT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224446	634.22	630.31	628.00	625.43	625.43				
S-E08.2	CLAVEY RD	24+72.96	5.4	LT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224446	634.10	630.10	628.42	625.27	625.27				
S-E08A	CLAVEY RD	23+90.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.49	628.07			628.07			628.07	
S-E08B	CLAVEY RD	23+65.00	12.2	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.17			628.18	628.18				
S-E08C	CLAVEY RD	23+30.00	12.2	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.29			628.34					
S-E08D	CLAVEY RD	24+16.02	33.8	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.13			628.83					
S-E08E	CLAVEY RD	24+45.60	32.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.39				628.68	628.68			
S-E08F	CLAVEY RD	23+90.00	13.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.03		630.35	630.35	630.35				
S-E08G	CLAVEY RD	23+55.00	12.3	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.19			630.50					
S-E08H	CLAVEY RD	24+45.00	12.9	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	633.90			630.59	630.59				
S-E08I	CLAVEY RD	24+54.52	12.3	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	633.94				630.63				
S-E08J	CLAVEY RD	24+73.00	12.3	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	633.95		630.13						
S-E08K	CLAVEY RD	24+73.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	633.38			628.51					628.51
S-E08L	CLAVEY RD	24+85.00	12.3	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	633.98			628.56	628.56				
S-E08M	CLAVEY RD	25+11.00	12.3	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.05				628.68				
S-E09	CLAVEY RD	25+20.06	5.3	LT	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	X6022110	634.22	630.27	625.17	625.17					
S-E09A	CLAVEY RD	25+20.00	13.5	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.04		630.31	630.31					
S-E09B	CLAVEY RD	25+55.00	14.3	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	634.14		630.46	630.46	630.46				
S-E09C	CLAVEY RD	25+81.00	14.3	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.25				630.57				
S-E09D	CLAVEY RD	25+55.00	12.3	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	634.21	630.58							
S-E11	CLAVEY RD	25+19.87	25.9	RT	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	X6022110	634.78	625.11		625.11					
S-F01	CLAVEY RD	66+00.00	21.7	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	677.42				668.77				
S-F02	CLAVEY RD	64+80.00	13.9	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	669.08			665.20	661.40				
S-F03	CLAVEY RD	64+00.00	13.0	RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400	633.14	659.09		659.09	656.50				
S-F03A	CLAVEY RD	64+00.00	16.5	LT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	663.11		658.13						
S-F04	CLAVEY RD	63+59.98	13.6	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	660.23			656.14					652.55
S-G01	CLAVEY RD	62+77.00	12.4	RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	654.17						651.04		
S-G02	CLAVEY RD	63+00.50	41.5	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	655.59						650.86		

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- NOTES:
- STRUCTURE STATIONS AND OFFSETS WERE DETERMINED FROM THE PROPOSED ALIGNMENT CENTERLINE TO THE CENTER OF THE STRUCTURE.
  - RIM ELEVATIONS FOR DRAINAGE STRUCTURES LOCATED WITHIN THE CURB AND GUTTER ARE FLOW LINE ELEVATIONS.



USER NAME = Roadway	DESIGNED - RD	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**STRUCTURE SCHEDULE**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	110
CONTRACT NO.			61C85	
ILLINOIS FED. AID PROJECT				

UNDERDRAIN SCHEDULE									60108106	Z0076870
FROM STRUCTURE		STRUCTURE OFFSET	INVERT	TO STRUCTURE		STRUCTURE OFFSET	INVERT	PROPOSED ALIGNMENT	PIPE UNDERDRAINS, TYPE 1, 6"	UNDERDRAIN CONNECTION TO STRUCTURE
NO.	STATION	(FT)		NO.	STATION	(FT)			(FT)	EACH
Begin Project	13+06	LT	635.50	S-E03E	15+10	LT	632.90	CLAVEY ROAD	203	1
S-E03E	15+10	LT	632.90	S-E05F	18+72	LT	631.36	CLAVEY ROAD	360	1
S-E06F	20+60	LT	632.13	S-E05F	18+72	LT	631.36	CLAVEY ROAD	185	1
No Structure	21+42	LT	632.50	S-E06F	20+60	LT	632.13	CLAVEY ROAD	82	1
No Structure	21+42	LT	632.50	S-E08F	23+90	LT	631.53	CLAVEY ROAD	242	1
S-E09A	25+20	LT	631.87	S-E08F	23+90	LT	631.53	CLAVEY ROAD	127	1
No Structure	25+88	LT	632.05	S-E09A	25+20	LT	631.87	CLAVEY ROAD	65	1
S-D23A	32+00	LT	632.03	S-D22J	33+45	LT	630.33	CLAVEY ROAD	148	1
No Structure	36+00	LT	631.86	S-D22J	33+45	LT	630.33	CLAVEY ROAD	250	1
No Structure	36+00	LT	631.86	S-D18E	39+10	LT	631.16	CLAVEY ROAD	318	1
S-D15B	41+84	LT	632.74	S-D18E	39+10	LT	631.16	CLAVEY ROAD	263	1
S-D12	44+70	LT	636.52	S-D15B	41+84	LT	632.74	CLAVEY ROAD	283	1
S-D08	47+63	LT	643.83	S-D12	44+70	LT	636.52	CLAVEY ROAD	293	1
No Structure	50+54	LT	645.42	S-D08	47+63	LT	643.83	CLAVEY ROAD	287	1
No Structure	50+54	LT	645.42	S-C18	53+05	LT	643.54	CLAVEY ROAD	250	1
S-C18	53+05	LT	643.54	S-C14E	55+95	LT	642.42	CLAVEY ROAD	288	1
S-C14E	55+95	LT	642.42	S-C10A	58+75	LT	641.48	CLAVEY ROAD	276	1
S-C05	60+50	LT	643.84	S-C10A	58+75	LT	641.48	CLAVEY ROAD	175	1
S-C01B	62+10	LT	649.45	S-C05	60+50	LT	643.84	CLAVEY ROAD	169	1
S-B02B	66+50	LT	677.26	S-B04A	63+23	LT	654.56	CLAVEY ROAD	323	1
No Structure	67+15	LT	681.61	S-B02B	66+50	LT	677.26	CLAVEY ROAD	69	1
No Structure	68+60	LT	683.53	S-A04	70+40	LT	682.75	CLAVEY ROAD	178	1
No Structure	13+45	RT	634.75	S-E03A	15+08	RT	632.93	CLAVEY ROAD	163	1
S-E04D	16+08	RT	632.27	S-E05A	18+71	RT	631.12	CLAVEY ROAD	265	1
No Structure	19+70	RT	631.75	S-E05A	18+71	RT	631.12	CLAVEY ROAD	99	1
No Structure	21+42	RT	632.26	S-E06A	20+60	RT	632.00	CLAVEY ROAD	82	1
No Structure	21+42	RT	632.26	S-E08A	23+90	RT	631.59	CLAVEY ROAD	243	1
No Structure	25+85	RT	632.00	S-E08L	24+85	RT	332.20	CLAVEY ROAD	104	1
S-D22O	32+09	RT	631.61	S-D22B	33+34	RT	631.22	CLAVEY ROAD	124	1
No Structure	36+00	RT	631.86	S-D22B	33+34	RT	631.22	CLAVEY ROAD	264	1
No Structure	36+00	RT	631.86	S-D18A	39+18	RT	631.5	CLAVEY ROAD	317	1
S-D16C	42+00	RT	632.82	S-D18A	39+18	RT	631.50	CLAVEY ROAD	278	1
S-D12A	44+70	RT	636.56	S-D16C	42+00	RT	632.82	CLAVEY ROAD	268	1
S-D06D	47+60	RT	643.75	S-D12A	44+70	RT	636.56	CLAVEY ROAD	286	1
No Structure	50+52	RT	645.45	S-D06D	47+60	RT	643.75	CLAVEY ROAD	295	1
No Structure	50+52	RT	645.45	S-C16A	53+50	RT	643.45	CLAVEY ROAD	294	1
S-C16A	53+50	RT	643.45	S-14D	56+60	RT	642.22	CLAVEY ROAD	308	1
No Structure	57+35	RT	641.93	S-C11B	58+75	RT	641.49	CLAVEY ROAD	139	1
No Structure	59+70	RT	642.17	S-C11B	58+75	RT	641.49	CLAVEY ROAD	92	1
S-G01	62+70	RT	652.06	S-C05A	60+50	RT	643.33	CLAVEY ROAD	223	1
S-F01	66+00	RT	674.22	S-F04	63+60	RT	657.66	CLAVEY ROAD	239	1
No Structure	67+65	RT	682.75	S-F01	66+00	RT	674.22	CLAVEY ROAD	160	1
No Structure	69+00	RT	682.75	S-A01	70+40	RT	682.39	CLAVEY ROAD	140	1
-	15+00	LT	633.03	-	15+00	RT	633.02	CLAVEY ROAD	33	-
-	18+00	LT	632.19	-	18+00	RT	631.55	CLAVEY ROAD	28	-
-	21+00	LT	632.32	-	21+00	RT	632.13	CLAVEY ROAD	28	-
-	23+00	LT	631.88	-	23+00	RT	631.83	CLAVEY ROAD	22	-
-	33+00	LT	630.86	-	33+00	RT	631.33	CLAVEY ROAD	25	-
-	36+00	LT	631.86	-	36+00	RT	631.86	CLAVEY ROAD	22	-
-	39+00	LT	631.18	-	39+00	RT	631.52	CLAVEY ROAD	23	-
-	42+00	LT	632.95	-	42+00	RT	632.82	CLAVEY ROAD	23	-
-	45+00	LT	637.27	-	45+00	RT	637.30	CLAVEY ROAD	21	-
-	48+00	LT	644.03	-	48+00	RT	643.98	CLAVEY ROAD	21	-
-	51+00	LT	645.08	-	51+00	RT	645.13	CLAVEY ROAD	22	-
-	54+00	LT	643.17	-	54+00	RT	643.25	CLAVEY ROAD	22	-
-	56+50	LT	642.24	-	56+50	RT	642.20	CLAVEY ROAD	22	-
-	59+50	LT	642.49	-	59+50	RT	642.03	CLAVEY ROAD	21	-
-	61+85	LT	648.57	-	61+85	RT	648.69	CLAVEY ROAD	27	-
-	65+00	LT	666.85	-	65+00	RT	667.85	CLAVEY ROAD	27	-
-	67+20	LT	681.94	-	67+20	RT	680.42	CLAVEY ROAD	32	-
-	70+00	LT	682.92	-	70+00	RT	682.48	CLAVEY ROAD	19	-
								TOTAL	9655	43

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**UNDERDRAIN SCHEDULE**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	111
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

60300105				
FRAMES AND GRATES TO BE ADJUSTED				
STATION	PROPOSED ALIGNMENT	OFFSET		EACH
25+20	CLAVEY RD	26.0	RT	1
64+00	CLAVEY RD	13.0	RT	1
63+60	CLAVEY RD	13.5	RT	1
70+40	CLAVEY RD	10.0	RT	1
TOTAL				4

X1200024				
INTERIM TYPE 1 FRAME AND GRATE				
STATION	PROPOSED ALIGNMENT	OFFSET		EACH
25+20	CLAVEY RD	26.0	RT	1
64+00	CLAVEY RD	13.0	RT	1
63+60	CLAVEY RD	13.5	RT	1
70+40	CLAVEY RD	10.0	RT	1
TOTAL				4

X0322719				
TEMPORARY DRAINAGE CONNECTION				
STATION	ALIGNMENT	OFFSET		EACH
25+15	CLAVEY ROAD	25.7	RT	1

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	DRAWN - DDS	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
TEMPORARY DRAINAGE SCHEDULE**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	112
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				

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60300105

FRAMES AND GRATES TO BE ADJUSTED

STATION	ALIGNMENT	OFFSET		EACH
13+21.5	CLAVEY ROAD	17.7	LT	1
15+14.8	CLAVEY ROAD	32.2	RT	1
56+84.4	CLAVEY ROAD	19.5	LT	1
205+59.8	GREENBAY ROAD	15.4	RT	1
206+36.4	GREENBAY ROAD	15.8	LT	1
203+27.1	GREENBAY ROAD	15.5	RT	1
201+76.9	GREENBAY ROAD	15.1	RT	1
201+76.3	GREENBAY ROAD	15.8	LT	1
204+18.6	GREENBAY ROAD	15.5	LT	1
TOTAL				9

60300305

FRAMES AND LIDS TO BE ADJUSTED

STATION	ALIGNMENT	OFFSET		EACH
19+20.6	CLAVEY ROAD	21.0	LT	1
48+31.3	CLAVEY ROAD	21.9	RT	1
57+10.9	CLAVEY ROAD	22.1	LT	1
57+59.5	CLAVEY ROAD	21.9	LT	1
67+81.9	CLAVEY ROAD	26.4	LT	1
68+31.3	CLAVEY ROAD	53.44	RT	1
203+25.6	GREENBAY ROAD	15.7	LT	1
TOTAL				7

X0322916

PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER

STATION	ALIGNMENT	OFFSET		EACH
32+00.00	CLAVEY ROAD	8.3	LT	1
61+52.24	CLAVEY ROAD	30	LT	1
TOTAL				2

X0322917

PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE

STATION	ALIGNMENT	OFFSET		EACH
39+20.5	CLAVEY ROAD	24.5	LT	1
56+83.6	CLAVEY ROAD	19.6	LT	1
63+35.2	CLAVEY ROAD	35.8	RT	1
TOTAL				3

X0322918

PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER

STATION	ALIGNMENT	OFFSET		EACH
13+45.8	CLAVEY ROAD	26.6	RT	1
19+80.1	CLAVEY ROAD	14.3	LT	1
21+21.7	CLAVEY ROAD	33.7	RT	1
22+14.5	CLAVEY ROAD	33.0	RT	1
33+46.0	CLAVEY ROAD	13.0	LT	1
56+96.3	CLAVEY ROAD	33.2	RT	1
62+99.3	CLAVEY ROAD	40.8	RT	1
63+03.6	CLAVEY ROAD	25.9	LT	1
70+40.0	CLAVEY ROAD	11.6	RT	1
TOTAL				9

55102300

STORM SEWER REMOVAL 72"

STATION	ALIGNMENT	OFFSET		LF
25+90	CLAVEY ROAD	26.5	RT	8
TOTAL				8

\* REMOVE TEMPORARY 72" STORM SEWER ADDED IN CONTRACT 1, CONNECT NEW 60" PIPE PROPOSED IN CONTRACT 2



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

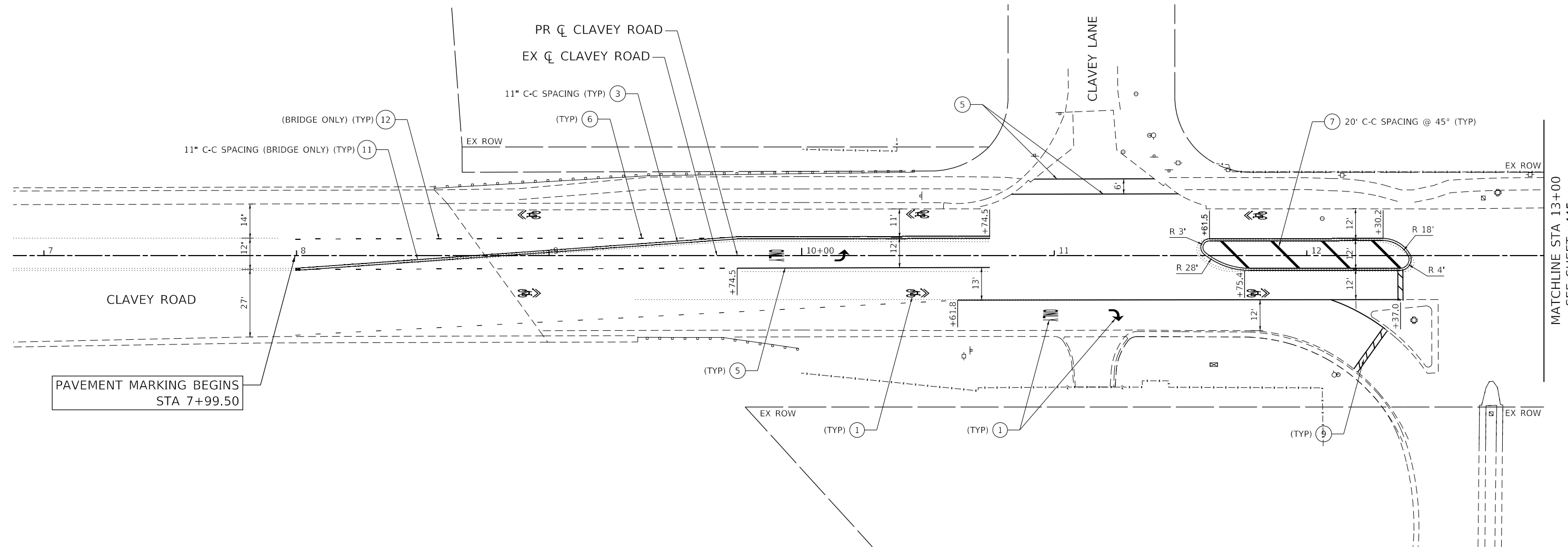
**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**MISCELLANEOUS SCHEDULE**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	113
CONTRACT NO.				61G85
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND**

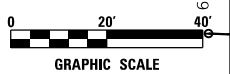
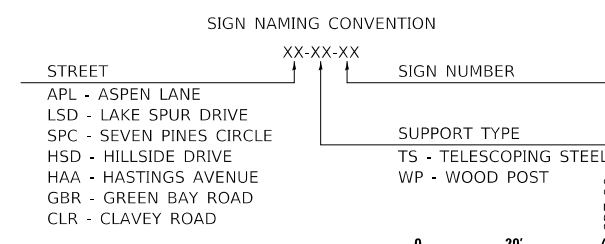
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



PAVEMENT MARKING BEGINS  
STA 7+99.50

MATCHLINE STA 13+00  
SEE SHEET: 115

- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

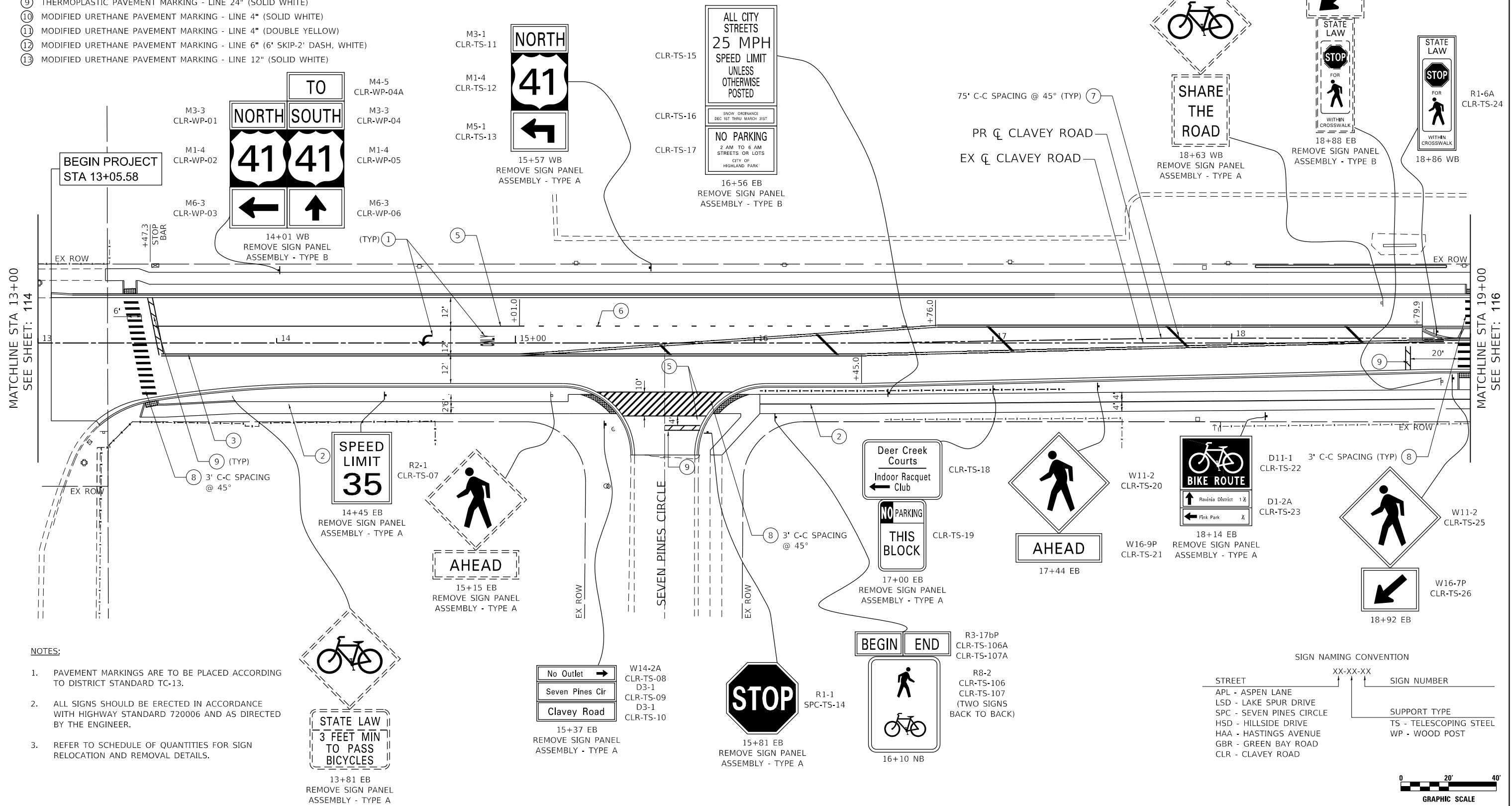
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 1 OF 17 SHEETS    STA. 7+00 TO STA. 13+00

FAU R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	114
CONTRACT NO. 61C85				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



**NOTES:**

1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.

**SIGN NAMING CONVENTION**

STREET	XX-XX-XX	SIGN NUMBER
APL - ASPEN LANE		
LSD - LAKE SPUR DRIVE		
SPC - SEVEN PINES CIRCLE		
HSD - HILLSIDE DRIVE		
HAA - HASTINGS AVENUE		
GBR - GREEN BAY ROAD		
CLR - CLAVEY ROAD		
		SUPPORT TYPE
		TS - TELESCOPING STEEL
		WP - WOOD POST

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

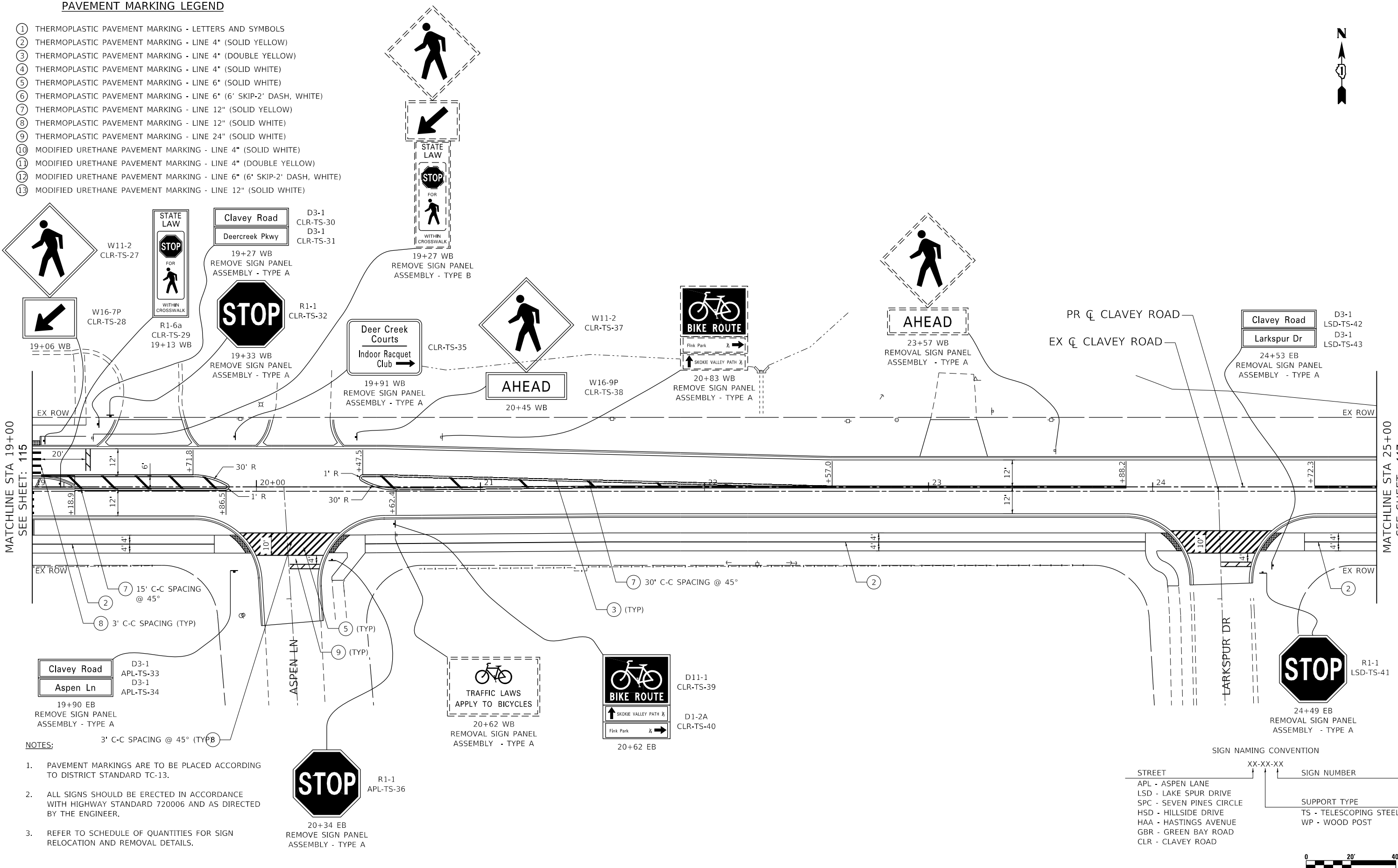
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET NO. 2 OF 17 SHEETS STA. 13+00 TO STA. 19+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	115
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
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- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



MATCHLINE STA 19+00  
SEE SHEET: 115

MATCHLINE STA 25+00  
SEE SHEET: 117

- NOTES:**
- PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  - ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  - REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.

**SIGN NAMING CONVENTION**

STREET	XX-XX-XX	SIGN NUMBER
APL - ASPEN LANE		
LSD - LAKE SPUR DRIVE		
SPC - SEVEN PINES CIRCLE		
HSD - HILLSIDE DRIVE		
HAA - HASTINGS AVENUE		
GBR - GREEN BAY ROAD		
CLR - CLAVEY ROAD		
		SUPPORT TYPE
		TS - TELESCOPING STEEL
		WP - WOOD POST

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

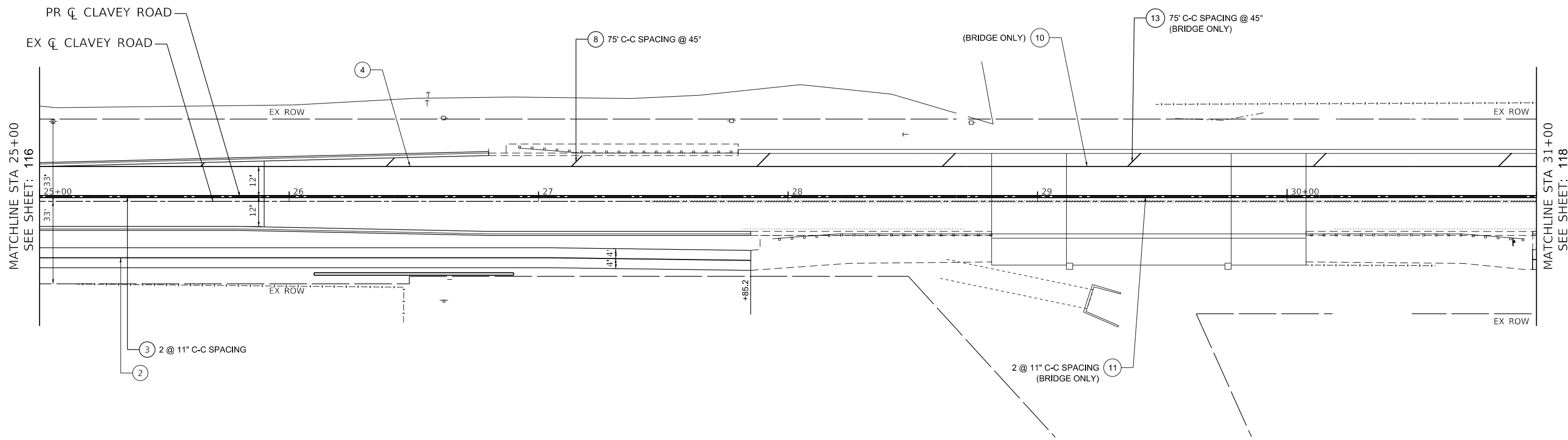
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	116
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

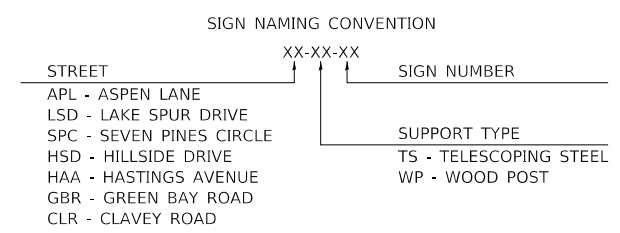


**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
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- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

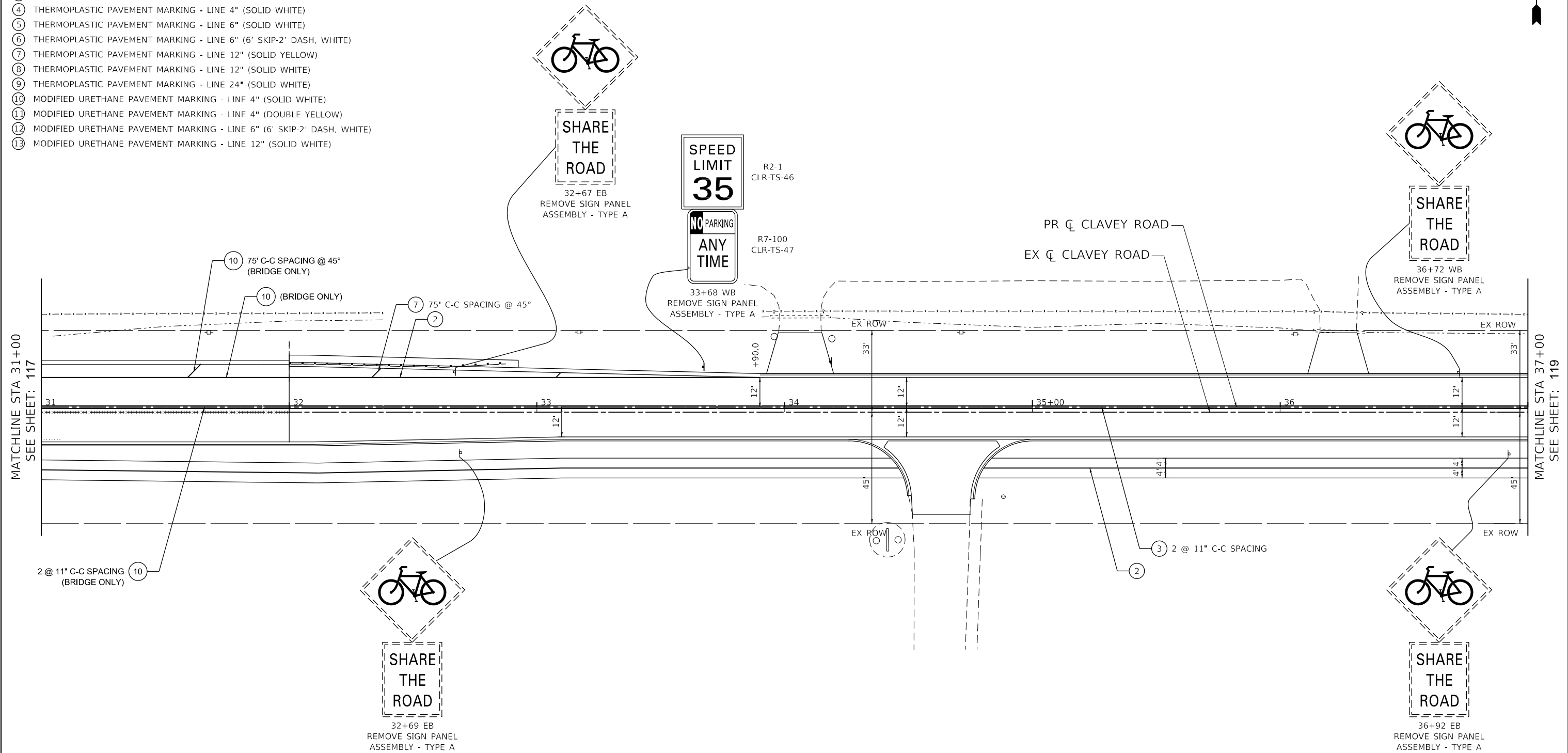
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET NO. 4 OF 17 SHEETS STA. 25+00 TO STA. 31+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	117
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

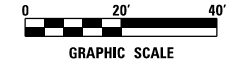
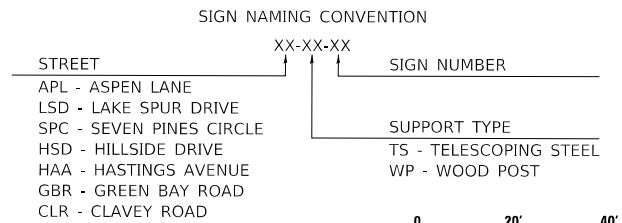
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
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- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



MATCHLINE STA 31+00  
SEE SHEET: 117

MATCHLINE STA 37+00  
SEE SHEET: 119

- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

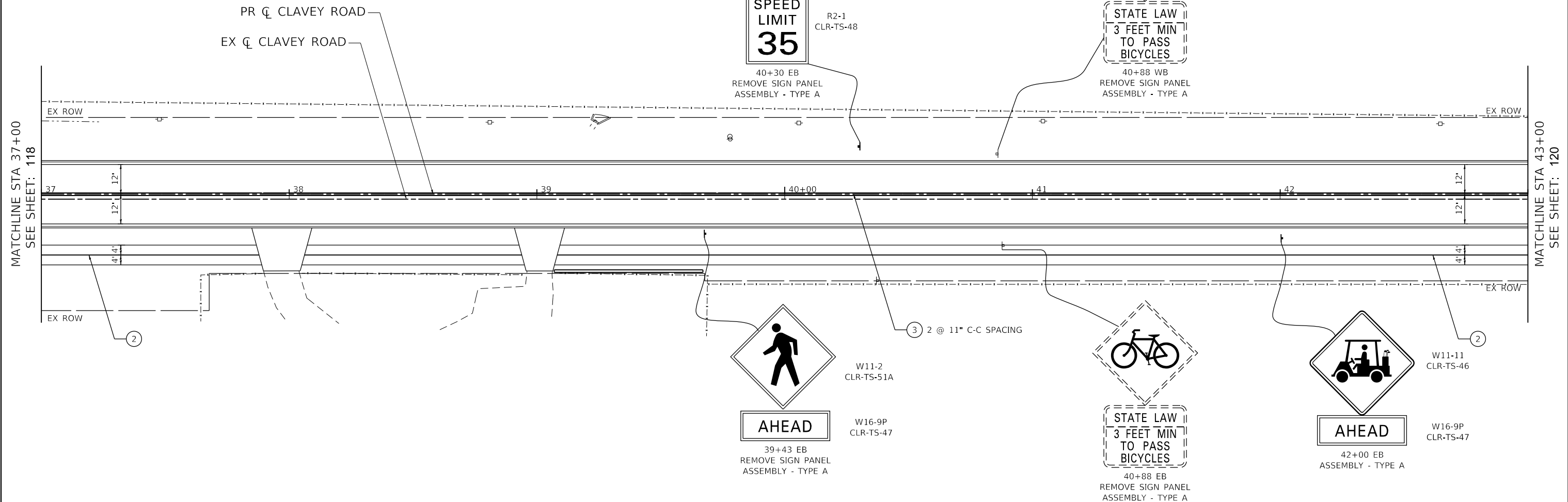
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 5 OF 17 SHEETS    STA. 31+00 TO STA. 37+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	118
CONTRACT NO.			61C85	
ILLINOIS FED. AID PROJECT				

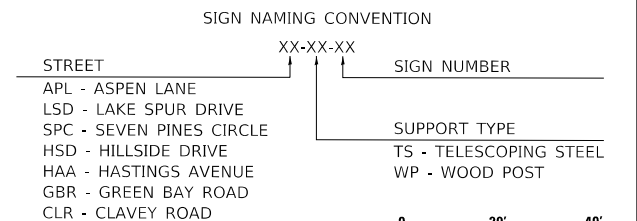
**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



**NOTES:**

1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

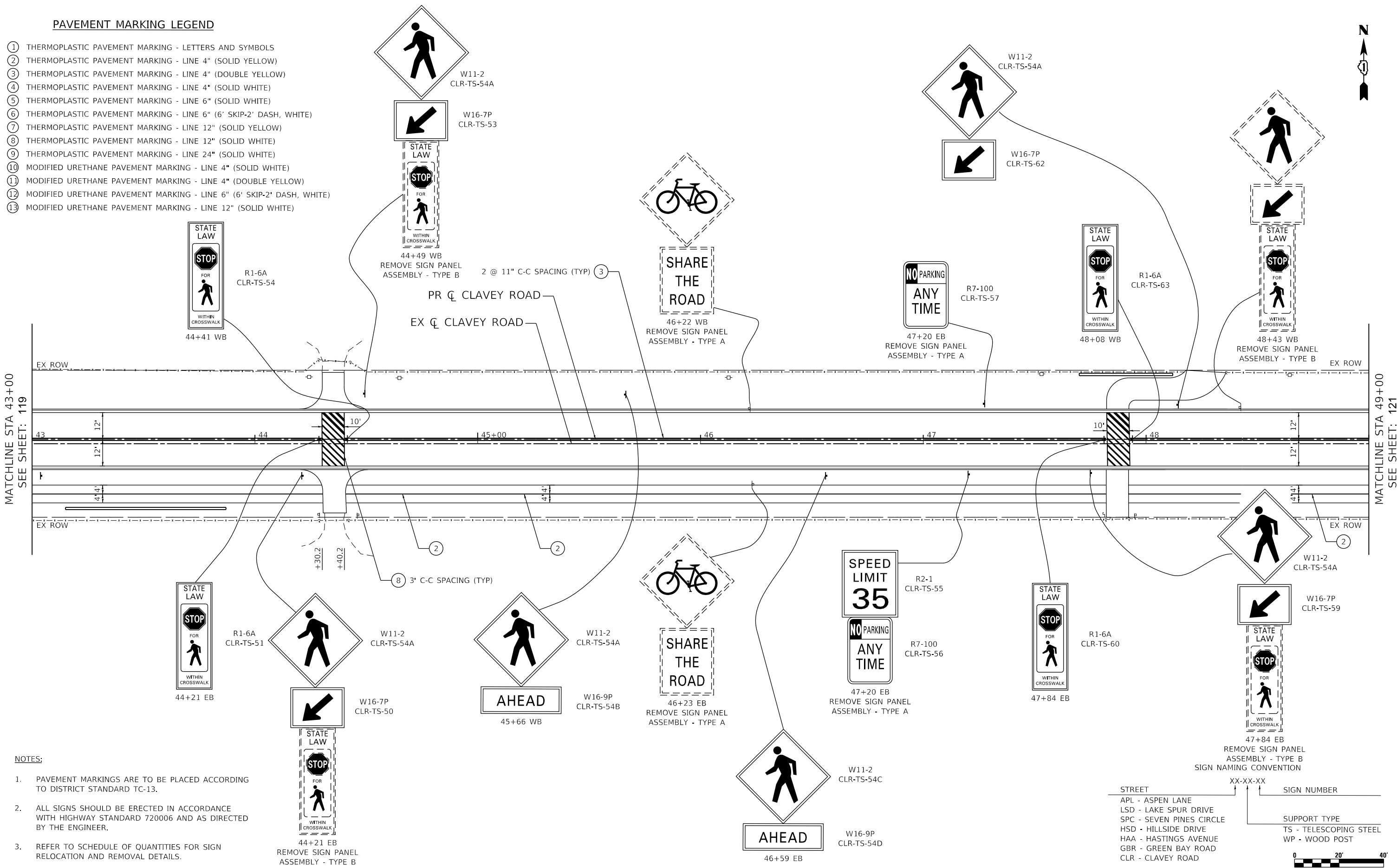
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 6 OF 17 SHEETS    STA. 37+00 TO STA. 43+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	119
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

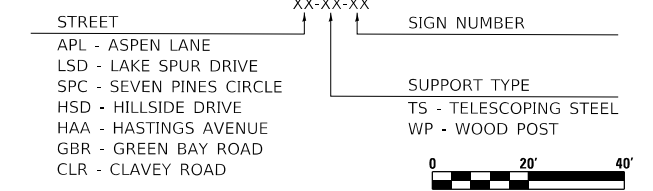
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



MATCHLINE STA 43+00  
SEE SHEET: 119

MATCHLINE STA 49+00  
SEE SHEET: 121

- NOTES:**
- PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  - ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  - REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
DRAWN - ES	REVISOR -	
PLOT SCALE = 40.0000' / 1"	CHECKED - DLD	REVISOR -
PLOT DATE = 9/17/2021	DATE - 9/17/2021	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

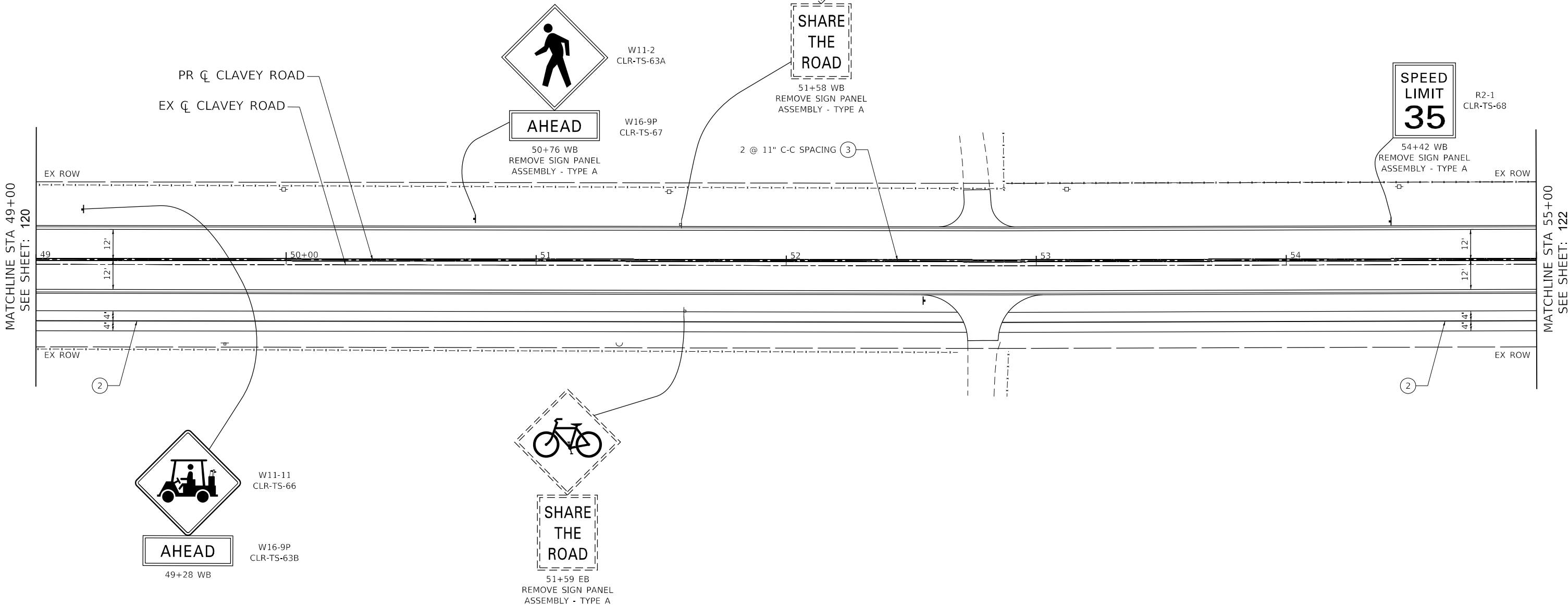
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET NO. 7 OF 17 SHEETS STA. 43+00 TO STA. 49+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	120
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

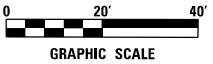
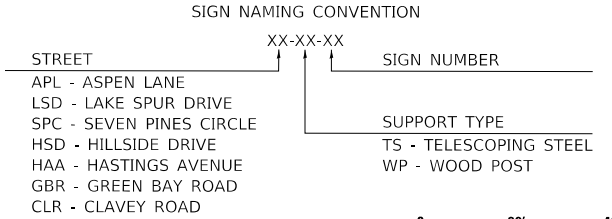
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



MATCHLINE STA 49+00  
SEE SHEET: 120

MATCHLINE STA 55+00  
SEE SHEET: 122

- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

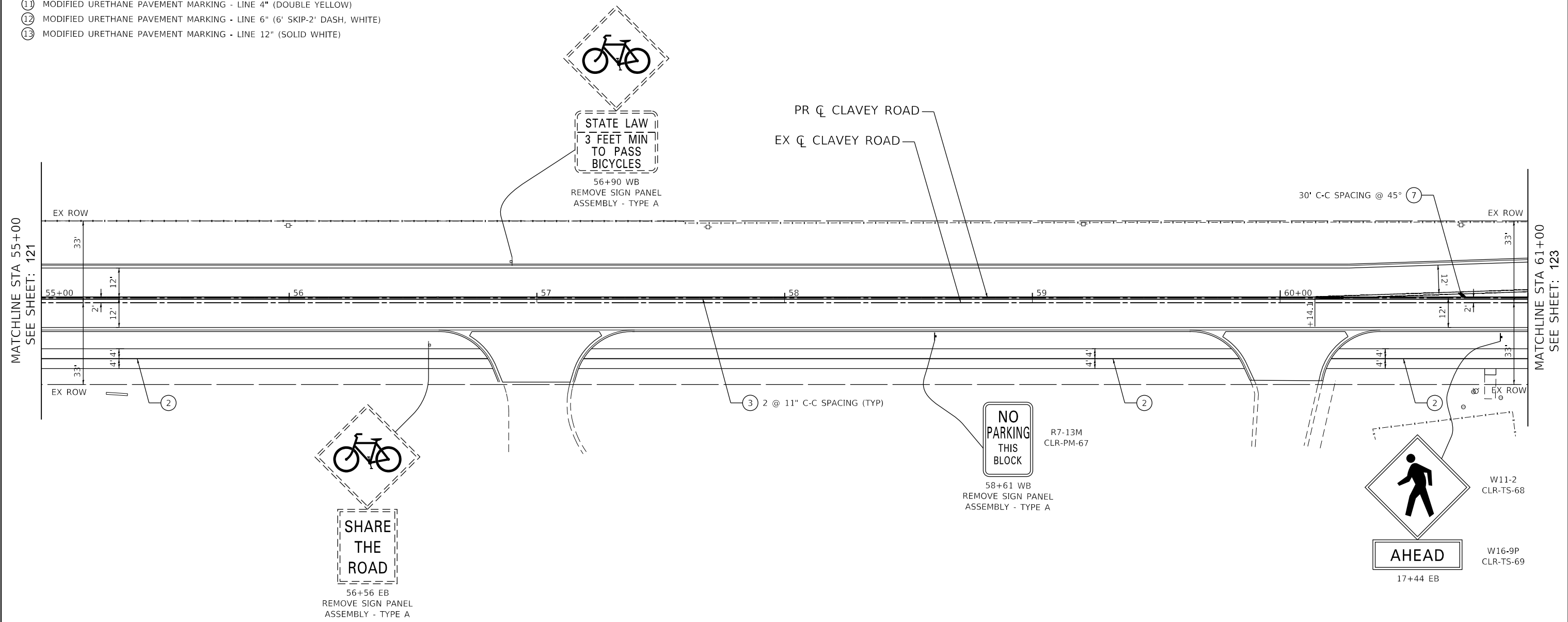
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET NO. 8 OF 17 SHEETS STA. 49+00 TO STA. 55+00

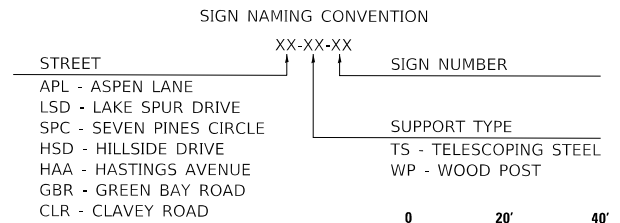
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	121
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - DLD	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

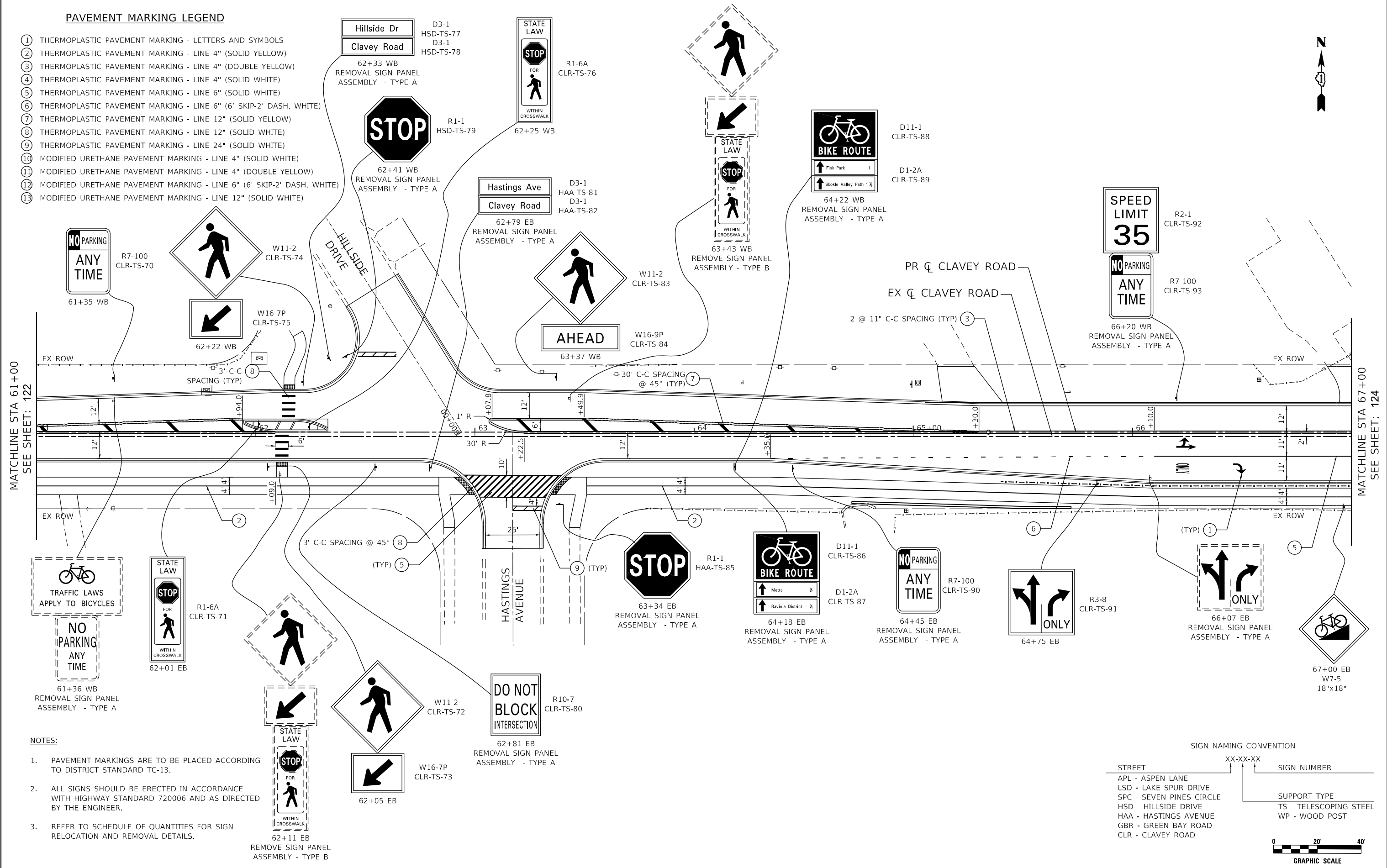
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 9 OF 17 SHEETS    STA. 55+00 TO STA. 61+00

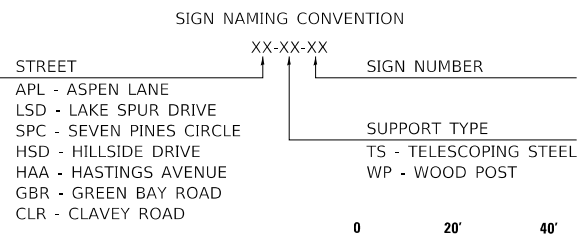
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	122
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



- NOTES:**
- PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  - ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  - REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
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PLOT DATE = 9/17/2021	DATE = 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 10 OF 17 SHEETS    STA. 61+00 TO STA. 67+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	123
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



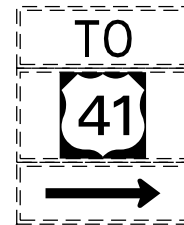
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GRB-PM-94A

M1-4  
GRB-PM-94

M6-1  
GBR-PM-95



67+68 WB  
REMOVE SIGN PANEL  
ASSEMBLY - TYPE A



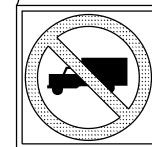
67+75 WB  
REMOVE SIGN PANEL  
ASSEMBLY - TYPE A



R7-13M  
CLR-TS-100

69+25 WB  
REMOVE SIGN PANEL  
ASSEMBLY - TYPE A

PROJECT END  
STA 70+50.12



R5-2  
CLR-TS-98



CLR-TS-99



R7-13M  
CLR-TS-101

70+13 EB  
REMOVE SIGN PANEL  
ASSEMBLY - TYPE A

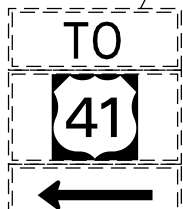


M4-5  
GRB-PM-96A

M1-4  
GRB-PM-96

M6-1  
GBR-PM-97

204+22 NB



68+87 NB  
REMOVE SIGN PANEL  
ASSEMBLY - TYPE A

BEGIN END



204+22 NB

R3-17bP  
CLR-TS-109A  
CLR-TS-110A

R8-2  
CLR-TS-106  
CLR-TS-107  
(TWO SIGNS  
BACK TO BACK)

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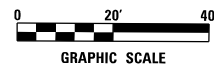
MATCHLINE STA 67+00  
SEE SHEET: 123

MATCHLINE STA 205+90  
SEE SHEET: 126

MATCHLINE STA 204+00  
SEE SHEET: 125

**NOTES:**

- 1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
- 2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
- 3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1" =	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 11 OF 17 SHEETS    STA. 67+00 TO STA. 72+73.39

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	124
CONTRACT NO. 61C85				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING LEGEND**

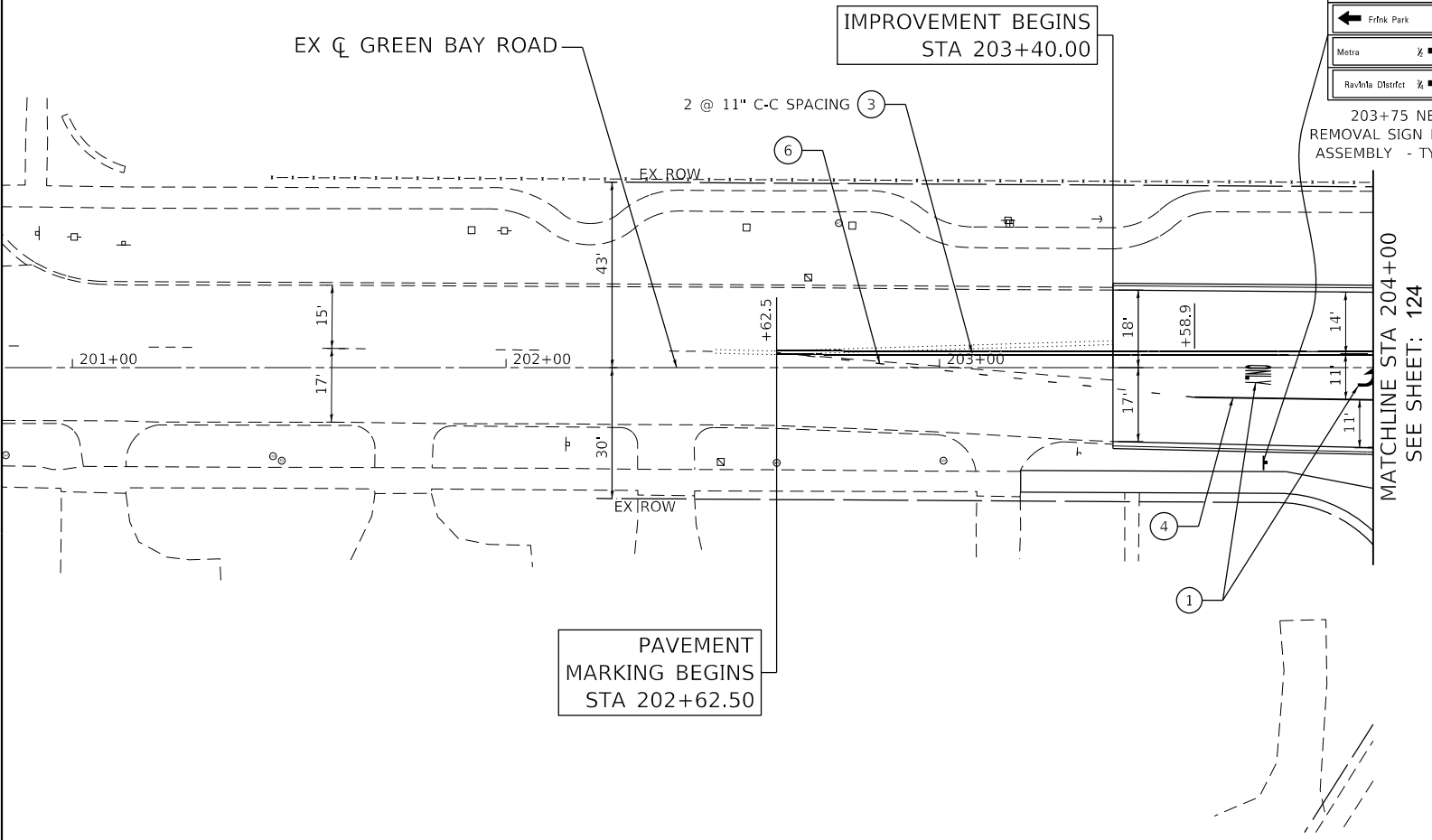
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



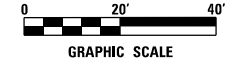
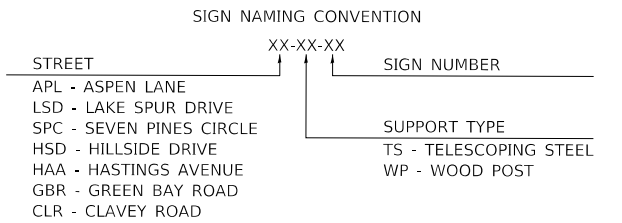
D11-1  
GBR-TS-102

D1-3A  
GBR-TS-103

203+75 NB  
REMOVAL SIGN PANEL  
ASSEMBLY - TYPE B



- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / 1in.	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

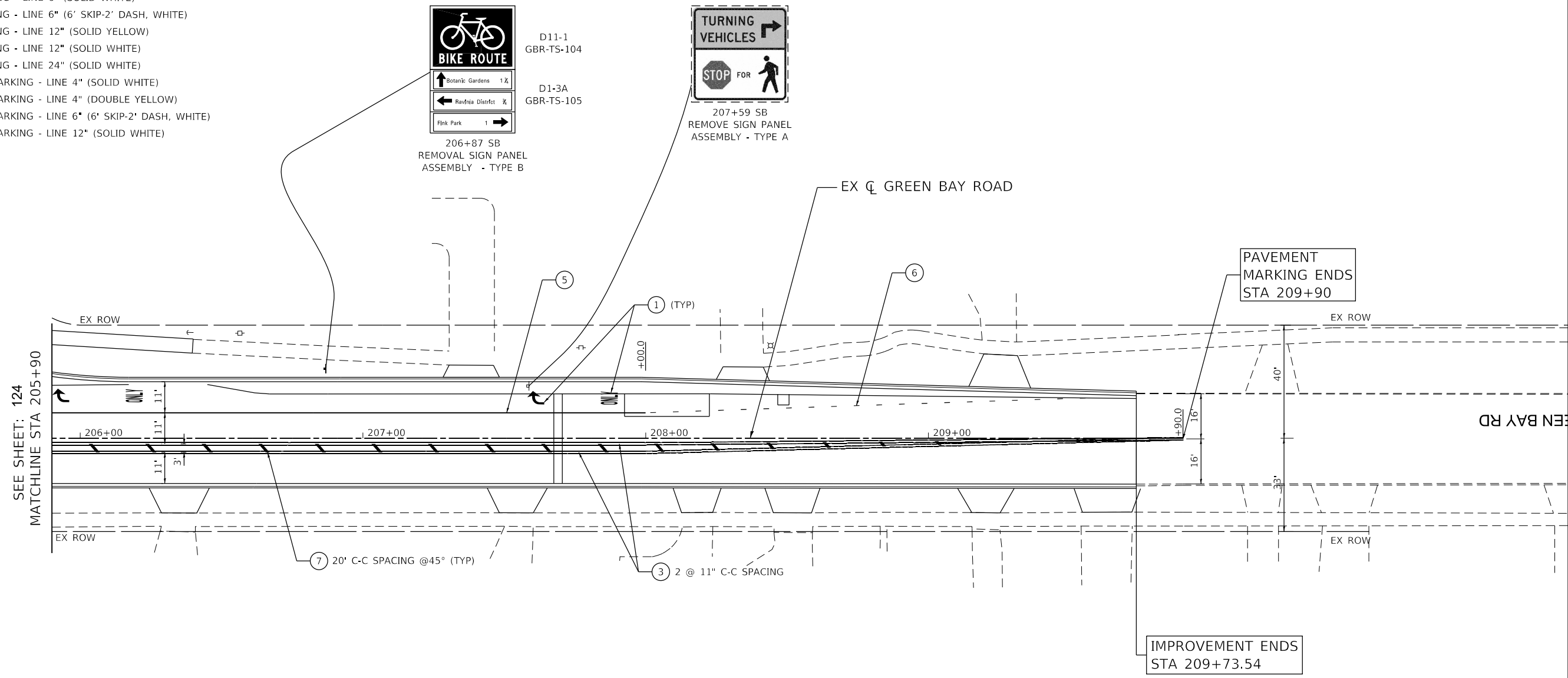
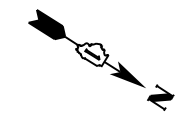
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'     SHEET NO. 12 OF 17 SHEETS     STA. 200+84 TO STA. 204+00

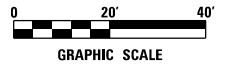
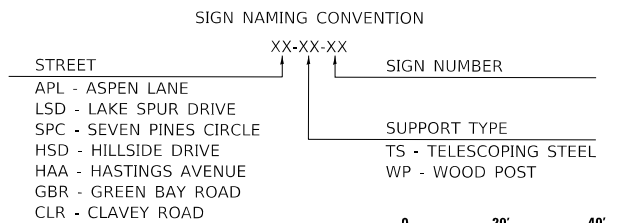
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 125
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (6' SKIP-2' DASH, WHITE)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)



- NOTES:**
1. PAVEMENT MARKINGS ARE TO BE PLACED ACCORDING TO DISTRICT STANDARD TC-13.
  2. ALL SIGNS SHOULD BE ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND AS DIRECTED BY THE ENGINEER.
  3. REFER TO SCHEDULE OF QUANTITIES FOR SIGN RELOCATION AND REMOVAL DETAILS.



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	DRAWN - ES	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 13 OF 17 SHEETS    STA. 205+90 TO STA. 209+90

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	126
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SHEET	LOCATION			SIGN NUMBER	SIGN TYPE	PROPOSED SIGN		REMOVE SIGN PANEL ASSEMBLY		SIGN INSTALLATION		TELESCOPE STEEL SIGN SUPPORT (FOOT)	WOOD SIGN SUPPORT (FOOT)	BASE FOR TELESCOPE STEEL SIGN SUPPORT (EACH)	
						WIDTH	HEIGHT	TYPE A	TYPE B	TYPE 1	TYPE 2				
						(INCH)	(INCH)	(EACH)	(EACH)	(SQ FT)	(SQ FT)				(FOOT)
	STA	O/S	LT/RT					72400100	72400200	72000100	72000200	72800100	7300100	73100100	
115	14+00.00	22	RT	CLR-TS-106	R3-17bP (BEGIN)	12	6			0.5		14			
				CLR-TS-106A	R9-7 (SHARED USE PATH)	12	18			1.5					
	14+00.00	22	RT	CLR-TS-107	R3-17bP (END)	12	6			0.5		14			
				CLR-TS-107A	R9-7 (SHARED USE PATH)	12	18			1.5					
	13+81.39	21.8	RT	-	-			1							
	14+01.26	30.4	LT	-	-				1						
	14+01.26	30.4	LT	CLR-WP-01	M3-3 (NORTH)	24	12			2.0			16.3		
				CLR-WP-02	M1-4 (US RT 41)	24	24			4.0					
				CLR-WP-03	M6-3 ( ARROW)	21	15			2.2					
				CLR-WP-04	M4-5 (TO)	24	12			2.0					
				CLR-WP-04	M3-3 (SOUTH)	24	12			2.0					
				CLR-WP-05	M1-4 (US RT 41)	24	24			4.0					
				CLR-WP-06	M6-3 ( ARROW)	21	15			2.2					
	14+45.11	22.0	RT	-	-	24	30	1		5.0		14.5			
	14+45.11	22.0	RT	CLR-TS-07	R2-1 (35 MPH)	24	30			5.0		14.5			
	15+14.79	22.1	RT	-	-			1							
	15+37.22	34.2	RT	-	-			1							
	15+37.22	34.2	RT	CLR-TS-08	W14-2A (NO OUTLET)	36	8			2.0		14.7			
				CLR-TS-09	D3-1 (STREET NAME)	36	12			3.0					
				CLR-TS-10	D3-1 (STREET NAME)	36	12			3.0					
	15+56.76	31.5	LT	-	-			1							
	15+56.76	31.5	LT	CLR-TS-11	M3-1 (NORTH)	24	12			2.0		16.5			
				CLR-TS-12	M1-4 (US RT 41)	24	24			4.0					
				CLR-TS-13	M5-1 (ADV ARROW)	24	18			3.0					
	15+80.50	37.8	RT	-	-			1							
	15+80.50	37.8	RT	SPC-TS-14	R1-1 (STOP)	36	36			9.0		15.0			
	16+55.70	20.9	LT	-	-				1						
	16+55.70	20.9	LT	CLR-TS-15	CUSTOM	24	36			6.0		17.2			
				CLR-TS-16	CUSTOM	24	8			1.3					
				CLR-TS-17	CUSTOM	24	18			3.0					
16+99.71	20.1	RT	-	-			1								
16+99.71	20.1	RT	CLR-TS-18	CUSTOM	24	18			3.0		15.0				
			CLR-TS-19	CUSTOM	12	18			1.5						
17+43.55	19.7	RT	CLR-TS-20	W11-2 (PEDESTRIAN)	30	30			6.3		15.5				
			CLR-TS-21	W16-9P (AHEAD)	24	12			2.0						
18+14.09	18.5	RT	-	-			1								
18+14.09	18.5	RT	CLR-TS-22	D11-1 (BIKE ROUTE)	24	18			3.0		16.0				
			CLR-TS-23	D1-2A (DESTINATION)	24	30			5.0						
18+63.35	14.8	LT	-	-			1								
18+85.79	2.8	LT	CLR-TS-24	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1		
18+87.67	18.1	RT	-	-				1							
18+92.40	16.8	RT	CLR-TS-25	W11-2 (PEDESTRIAN)	30	30			6.3		15.5				
			CLR-TS-26	W16-7P (DIAGONAL ARROW)	24	12			2.0						
			CLR-TS-27	W11-2 (PEDESTRIAN)	30	30			6.3						
19+05.66	20.6	LT	CLR-TS-28	W16-7P (DIAGONAL ARROW)	24	12			2.0		15.5				
			CLR-TS-29	R1-6A (IN-STREET PED XING)	12	36			3.0						
19+12.62	1.3	LT	-	-				1							
19+27.25	21.9	LT	-	-											
19+29.72	28.0	LT	-	-			1								
19+29.72	28.0	LT	CLR-TS-30	D3-1 (STREET NAME)	36	12			3.0		14.0				
			CLR-TS-31	D3-1 (STREET NAME)	36	12			3.0						
19+34.76	32.0	LT	-	-			1								
19+34.76	32.0	LT	CLR-TS-32	R1-1 (STOP)	36	36			9.0		15.0				
19+90.08	37.4	RT	-	-				1							
SUBTOTAL								12	4	127.0	0	242.8	16.3	2	

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USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
SIGNING SCHEDULES**

SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 127
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES (CONT.)

SHEET	LOCATION			SIGN NUMBER	SIGN TYPE	PROPOSED SIGN		REMOVE SIGN PANEL ASSEMBLY		SIGN INSTALLATION		TELESCOPE STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	BASE FOR TELESCOPE STEEL SIGN				
						WIDTH	HEIGHT	TYPE A	TYPE B	TYPE 1	TYPE 2							
	STA	O/S	LT/RT			(INCH)	(INCH)	(EACH)	(EACH)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)				
												72400100	72400200	72000100	72000200	72800100	7300100	73100100
116	19+90.08	37.4	RT	APL-TS-33	D3-1 (STREET NAME)	36	12			3.0		14.0						
				APL-TS-34	D3-1 (STREET NAME)	36	12			3.0								
	19+90.63	22.6	LT	-	-			1										
	19+90.63	22.6	LT	CLR-TS-35	CUSTOM	24	36			6.0		15.0						
	20+33.85	32.9	RT	-	-			1										
	20+33.85	32.9	RT	APL-TS-36	R1-1 (STOP)	36	36			9.0		15.0						
	20+44.86	22.4	LT	CLR-TS-37	W11-2 (PEDESTRIAN)	30	30			6.3		15.5						
				CLR-TS-38	W16-9P (AHEAD)	24	12			2.0								
	20+61.96	16.5	RT	CLR-TS-39	D11-1 (BIKE ROUTE)	24	18			3.0		16.0						
				CLR-TS-40	D1-2A (DESTINATION)	24	30			5.0								
	20+61.97	21.6	RT	-	-			1										
	20+82.97	22.3	LT	-	-			1										
	23+56.81	16.2	LT	-	-			1										
	24+49.24	38.5	RT	-	-			1										
24+49.24	38.5	RT	LSP-TS-41	R1-1 (STOP)	36	36			9.0		15.0							
24+53.21	35.2	RT	LSP-TS-42	D3-1 (STREET NAME)	36	12			3.0		14.0							
			LSP-TS-43	D3-1 (STREET NAME)	36	12			3.0									
118	33+67.46	16.2	LT	-	-			1										
	33+67.46	16.2	LT	CLR-TS-44	R2-1 (35 MPH)	24	30			5.0		16.0						
				CLR-TS-45	R7-100 (NO PARKING)	12	18			1.5								
	36+72.34	14.0	LT	-	-			1										
36+92.02	18.9	RT	-	-			1											
119	39+67.60	16.0	RT	-	-			1										
	39+67.60	16.0	RT	CLR-TS-46	W11-11 (GOLF CART)	30	30			6.3		15.5						
				CLR-TS-47	W16-9P (AHEAD)	24	12			2.0								
	40+30.37	19.3	LT	-	-			1										
	40+30.37	19.3	LT	CLR-TS-48	R2-1 (35 MPH)	24	30			5.0		14.5						
	40+86.10	16.3	LT	-	-			1										
40+87.76	20.8	RT	-	-			1											
120	43+06.00	19.7	RT	CLR-TS-51A	W11-2 (PEDESTRIAN)	30	30			6.3		15.5						
				CLR-TS-51B	W16-9P (AHEAD)	24	12			2.0								
	44+21.01	16.3	RT	-	-													
	44+21.01	16.3	RT	CLR-TS-49	W11-11 (GOLF CART)	30	30			6.3		14.5						
				CLR-TS-50	W16-7P (DIAGONAL ARROW)	24	12			2.0								
				-	-			1										
	44+28.00	0	CL	CLR-TS-51	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1				
	44+49.34	20.4	LT	-	-													
	44+49.34	20.4	LT	CLR-TS-52	W11-11 (GOLF CART)	30	30			6.3		14.5						
				CLR-TS-53	W16-7P (DIAGONAL ARROW)	24	12			2.0								
				-	-			1										
	44+41.00	0	CL	CLR-TS-54	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1				
45+66.00	19.7	RT	CLR-TS-54A	W11-2 (PEDESTRIAN)	30	30			6.3		15.5							
			CLR-TS-54B	W16-9P (AHEAD)	24	12			2.0									
45+66.00	19.7	RT	CLR-TS-54C	W11-2 (PEDESTRIAN)	30	30			6.3		15.5							
			CLR-TS-54D	W16-9P (AHEAD)	24	12			2.0									
46+22.28	13.9	LT	-	-														
SUBTOTAL												17	2	119.3	0	242.0	0.0	2

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	DRAWN - ES	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
SIGNING SCHEDULES**

SCALE: N.T.S.      SHEET NO. 3 OF 5 SHEETS      STA.      TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	128
CONTRACT NO.			61C85	
ILLINOIS FED. AID PROJECT				

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SCHEDULE OF QUANTITIES (CONT.)														
SHEET	LOCATION			SIGN NUMBER	SIGN TYPE	PROPOSED SIGN		REMOVE SIGN PANEL ASSEMBLY		SIGN INSTALLATION		TELESCOPE STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	BASE FOR TELESCOPE STEEL SIGN
						WIDTH	HEIGHT	TYPE A	TYPE B	TYPE 1	TYPE 2			
	STA	O/S	LT/RT			(INCH)	(INCH)	(EACH)	(EACH)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)
120	46+23.14	20.3	RT	-	-			1						
	47+20.10	15.7	RT	-	-			1						
	47+20.10	15.7	RT	CLR-TS-55	R2-1 (35 MPH)	24	30			5.0		16.0		
				CLR-TS-56	R7-100 (NO PARKING)	12	18			1.5				
	47+27.56	15.9	LT	-	-			1						
	47+27.56	15.9	LT	CLR-TS-57	R7-100 (NO PARKING)	12	18			1.5		13.5		
	47+84.03	14.9	RT	-	-									
	47+84.03	14.9	RT	CLR-TS-58	W11-11 (GOLF CART)	30	30			6.3		14.5		
				CLR-TS-59	W16-7P (DIAGONAL ARROW)	24	12			2.0				
				-	-	-	-							
	47+81.00	0	CL	CLR-TS-60	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1
	47+94.00	0	CL	CLR-TS-63	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1
48+08.25	31.4	LT	CLR-TS-61	W11-11 (GOLF CART)	30	30			6.3		14.5			
			CLR-TS-62	W16-7P (DIAGONAL ARROW)	24	12			2.0					
			-	-	-	-								
48+42.53	14.4	LT	-	-										
121	49+28.00	19.7	RT	CLR-TS-63A	W11-2 (PEDESTRIAN)	30	30			6.3		15.5		
				CLR-TS-63B	W16-9P (AHEAD)	24	12			2.0				
	50+75.66	16.4	LT	-	-			1						
	50+75.66	16.4	LT	CLR-TS-64	W11-11 (GOLF CART)	30	30			6.3		15.5		
				CLR-TS-65	W16-9P (AHEAD)	24	12			2.0				
	51+58.08	14.3	LT	-	-			1						
	51+59.12	20.3	RT	-	-			1						
54+41.91	15.3	LT	-	-			1							
54+41.91	15.3	LT	CLR-TS-66	R2-1 (35 MPH)	24	30			5.0		14.5			
122	56+56.25	19.1	RT	-	-			1						
	56+90.01	14.6	LT	-	-			1						
	58+60.52	15.6	RT	-	-			1						
	58+60.52	15.6	RT	CLR-TS-67	CUSTOM	12	18			1.5		13.5		
	60+46.60	25.1611	RT	CLR-TS-108	R3-17bP (BEGIN)	12	6			0.5		14		
				CLR-TS-108A	R9-7 (SHARED USE PATH)	12	18			1.5				
	60+46.60	25.1611	RT	CLR-TS-109	R3-17bP (END)	12	6			0.5		14		
				CLR-TS-109A	R9-7 (SHARED USE PATH)	12	18			1.5				
60+88.90	15.7	RT	CLR-TS-68	W11-2 (PEDESTRIAN)	30	30			6.3		15.5			
			CLR-TS-69	W16-9P (AHEAD)	24	12			2.0					
123	61+35.39	24.6	LT	CLR-TS-70	R7-100 (NO PARKING)	12	18			1.5		13.5		
	61+35.55	14.3	LT	-	-			1						
	62+01.30	3.6	LT	CLR-TS-71	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1
	62+05.39	15.8	RT	CLR-TS-72	W11-2 (PEDESTRIAN)	30	30			6.3		15.5		
				CLR-TS-73	W16-7P (DIAGONAL ARROW)	24	12			2.0				
	62+10.70	19.5	RT	-	-									
	62+21.66	22.8	LT	CLR-TS-74	W11-2 (PEDESTRIAN)	30	30			6.3		15.5		
				CLR-TS-75	W16-7P (DIAGONAL ARROW)	24	12			2.0				
	62+24.90	2.5	LT	CLR-TS-76	R1-6A (IN-STREET PED XING)	12	36			3.0		8.0		1
	62+33.40	33.9	LT	-	-			1						
62+33.40	33.9	LT	HSD-TS-77	D3-1 (STREET NAME)	36	12			3.0		14.0			
			HSD-TS-78	D3-1 (STREET NAME)	36	12			3.0					
SUBTOTAL								12.0	3.0	95.8	0	251.5	0.0	4



USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DLD	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**SIGNING SCHEDULES**

SCALE: N.T.S.      SHEET NO. 4 OF 5 SHEETS      STA.      TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 129
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES (CONT.)

SHEET	LOCATION			SIGN NUMBER	SIGN TYPE	PROPOSED SIGN		REMOVE SIGN PANEL ASSEMBLY		SIGN INSTALLATION		TELESCOPE STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	BASE FOR TELESCOPE STEEL SIGN
						WIDTH	HEIGHT	TYPE A	TYPE B	TYPE 1	TYPE 2			
	STA	O/S	LT/RT			(INCH)	(INCH)	(EACH)	(EACH)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)
							72400100	72400200	72000100	72000200	72800100	7300100	73100100	
123	62+40.97	34.7	LT	-	-			1						
	62+40.97	34.7	LT	HSD-TS-79	R1-1 (STOP)	36	36			9.0		15.0		
	62+54.42	16.0	RT	-	-			1						
	62+54.42	16.0	RT	CLR-TS-80	R10-7 (DO NOT BLOCK INTERSECTION)	24	30			5.0		14.5		
	62+79.33	16.2	RT	-	-			1						
	62+79.33	16.2	RT	HAA-TS-81	D3-1 (STREET NAME)	36	12			3.0		14.0		
				HAA-TS-82	D3-1 (STREET NAME)	36	12			3.0				
	63+37.31	25.1	LT	CLR-TS-83	W11-2 (PEDESTRIAN)	30	30			6.3		15.5		
				CLR-TS-84	W16-9P (AHEAD)	24	12			2.0				
	63+38.65	33.0	RT	-	-			1						
	63+38.65	33.0	RT	HAA-TS-85	R1-1 (STOP)	36	36			9.0		15.0		
	63+43.51	15.5	LT	-	-				1					
	64+18.26	15.8	RT	-	-				1					
	64+18.26	15.8	RT	CLR-TS-86	D11-1 (BIKE ROUTE)	24	18			3.0		16.0		
				CLR-TS-87	D1-2A (DESTINATION)	24	30			5.0				
	64+22.30	22.1	LT	-	-				1					
	64+22.30	22.1	LT	CLR-TS-88	D11-1 (BIKE ROUTE)	24	18			3.0		16.0		
				CLR-TS-89	D1-2A (DESTINATION)	24	30			5.0				
	64+44.90	16.6	RT	-	-				1					
	64+44.90	16.6	RT	CLR-TS-90	R7-100 (NO PARKING)	12	18			1.5		13.5		
64+74.95	18.2	RT	CLR-TS-91	R3-8 (ADV INT LANE CONTROL)	30	30			6.3		14.5			
65+00.00	19.7	LT	CLR-TS-91A	HILL	30	30			6.3		14.5			
66+07.78	21.1	RT	-	-				1						
66+20.31	15.8	LT	-	-				1						
66+20.31	15.8	LT	CLR-TS-92	R2-1 (35 MPH)	24	30			5.0		16.0			
			CLR-TS-93	R7-100 (NO PARKING)	12	18			1.5					
205+80.00	31.3	RT	GBR-PM-94A	M4-5 (TO)	36	18			4.5					
			GBR-PM-94	M1-4 (US RT 41)	24	24			4.0					
			GBR-PM-95	M6-1 (ARROW)	21	15			2.2					
67+67.74	17.4	LT	-	-				1						
67+74.52	19.0	LT	-	-				1						
204+21.83	29.9	RT	GBR-PM-96A	M4-5 (TO)	36	18			4.5					
			GBR-PM-96	M1-4 (US RT 41)	24	24			4.0					
			GBR-PM-97	M6-1 (ARROW)	21	15			2.2					
68+64.00	19.7	LT	CLR-TS-97A	HILL	30	30			6.3		14.5			
69+07.16	24.6	RT	-	-				1						
69+07.16	24.6	RT	CLR-TS-98	R5-2 (NO TRUCKS)	24	24			4.0		15.0			
			CLR-TS-99	CUSTOM	24	12			2.0					
69+24.81	19.7	LT	-	-				1						
69+24.81	19.7	LT	CLR-TS-100	CUSTOM	12	18			1.5		13.5			
70+12.64	14.1	RT	-	-				1						
70+12.64	14.1	RT	CLR-TS-101	CUSTOM	12	18			1.5		13.5			
203+74.68	21.9	RT	-	-										
203+74.68	21.9	RT	GBR-TS-102	D11-1 (BIKE ROUTE)	24	18		1	3.0		17.0			
			GBR-TS-103	D1-3A (DESTINATION)	24	42			7.0					
206+86.89	24.6	RT	-	-										
206+86.89	24.6	RT	GBR-TS-104	D11-1 (BIKE ROUTE)	24	18			3.0		17.0			
			GBR-TS-105	D1-3A (DESTINATION)	24	42			7.0					
207+58.73	18.5	RT	-	-				1						
SUBTOTAL								15	3	130.4	0	255.0	0.0	0
TOTAL								56.0	12	472.3	0	991.3	16.3	8

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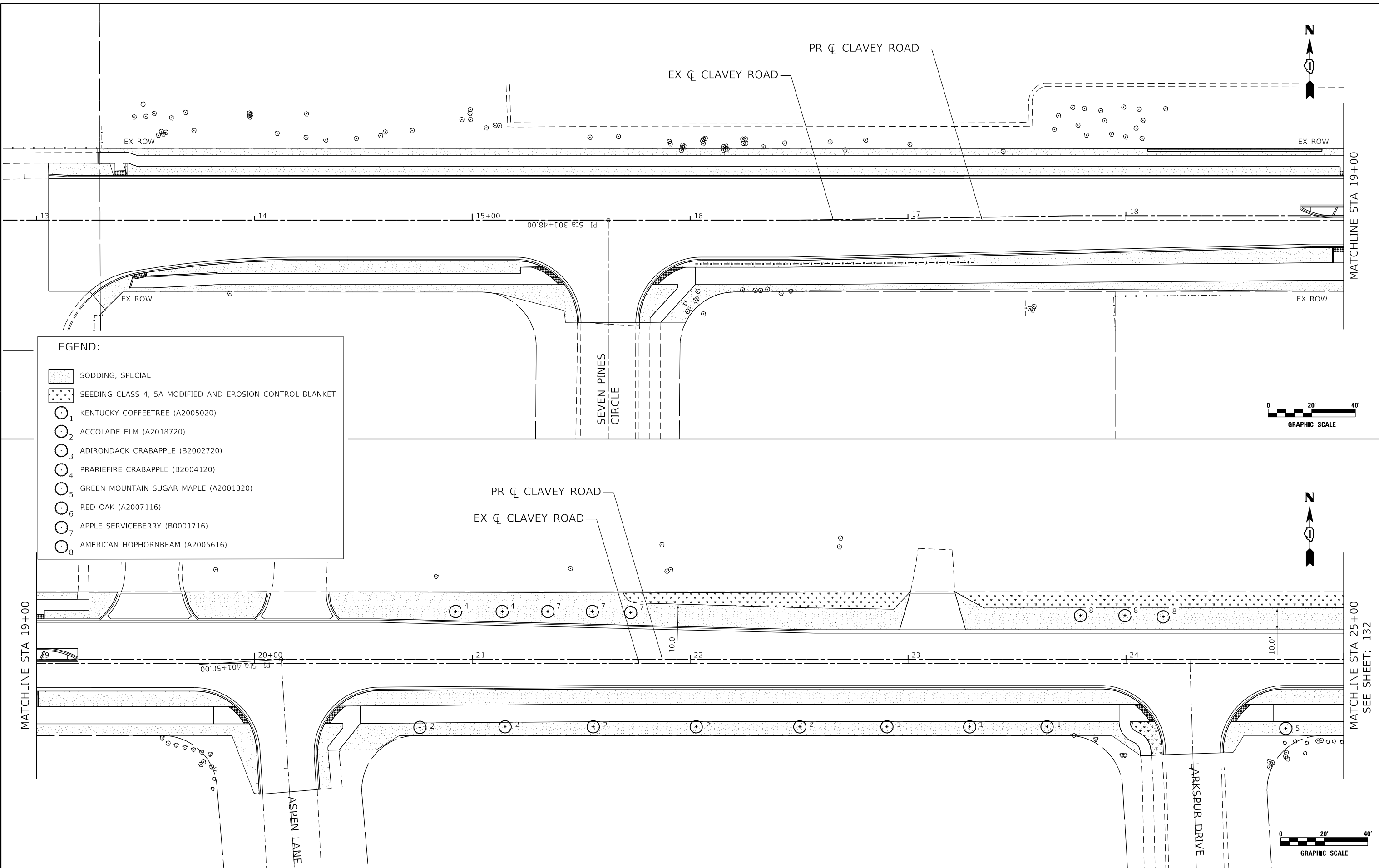
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
SIGNING SCHEDULES**

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

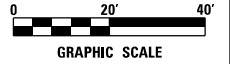
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	130
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				

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**LEGEND:**

	SODDING, SPECIAL
	SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
	1 KENTUCKY COFFEETREE (A2005020)
	2 ACCOLADE ELM (A2018720)
	3 ADIRONDACK CRABAPPLE (B2002720)
	4 PRARIEFIRE CRABAPPLE (B2004120)
	5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
	6 RED OAK (A2007116)
	7 APPLE SERVICEBERRY (B0001716)
	8 AMERICAN HOPHORNBEAM (A2005616)



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

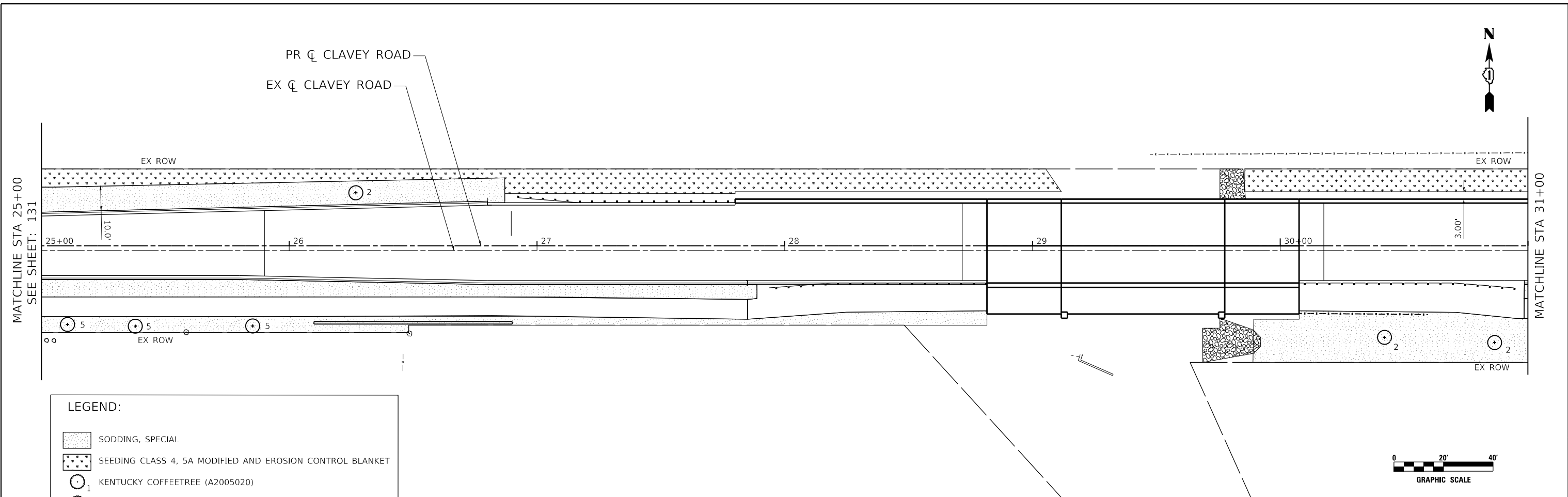
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**LANDSCAPING PLAN**

SCALE: 1" = 20'    SHEET NO. 1 OF 6 SHEETS    STA. 13+00 TO STA. 25+00

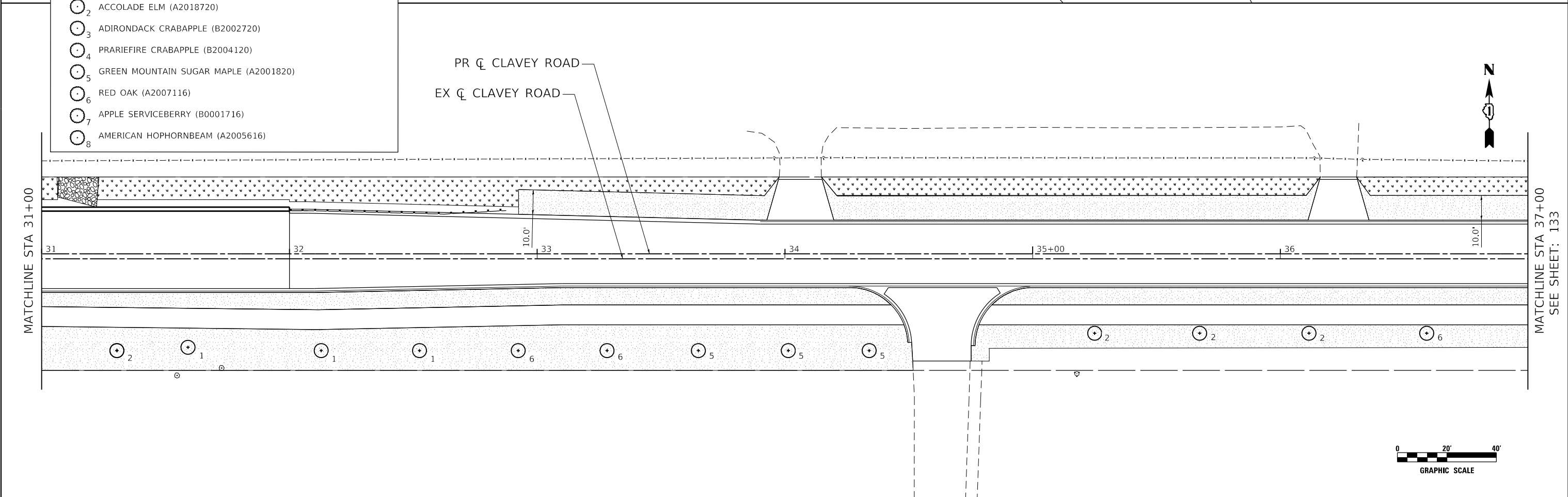
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	131
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT



**LEGEND:**

- SODDING, SPECIAL
- SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
- 1 KENTUCKY COFFEETREE (A2005020)
- 2 ACCOLADE ELM (A2018720)
- 3 ADIRONDACK CRABAPPLE (B2002720)
- 4 PRARIEFIRE CRABAPPLE (B2004120)
- 5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
- 6 RED OAK (A2007116)
- 7 APPLE SERVICEBERRY (B0001716)
- 8 AMERICAN HOPHORNBEAM (A2005616)



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USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

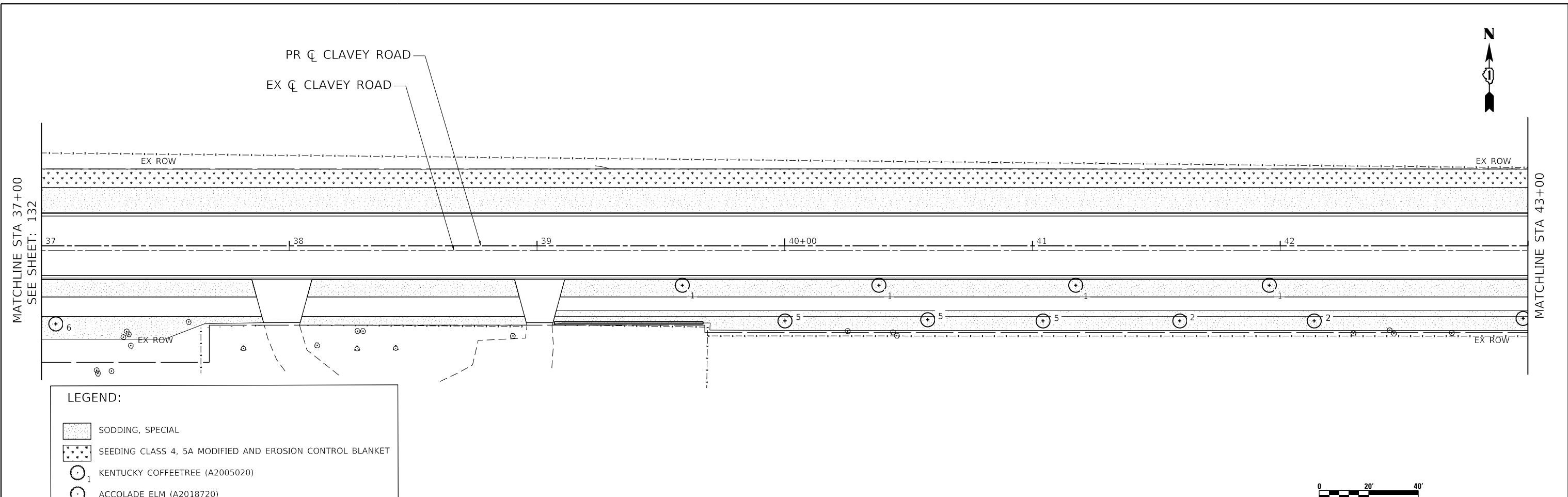
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
LANDSCAPING PLAN**

SCALE: 1" = 20'    SHEET NO. 2 OF 6 SHEETS    STA. 25+00 TO STA. 37+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	132
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				

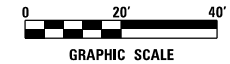
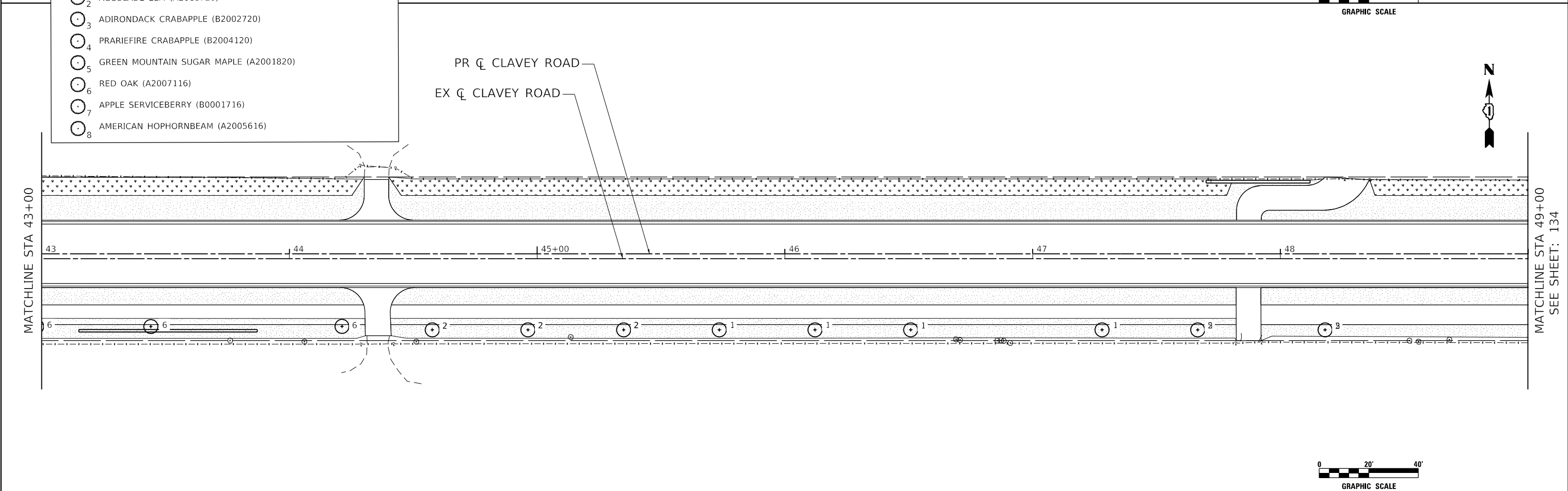


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**LEGEND:**

- SODDING, SPECIAL
- SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
- 1 KENTUCKY COFFEETREE (A2005020)
- 2 ACCOLADE ELM (A2018720)
- 3 ADIRONDACK CRABAPPLE (B2002720)
- 4 PRARIEFIRE CRABAPPLE (B2004120)
- 5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
- 6 RED OAK (A2007116)
- 7 APPLE SERVICEBERRY (B0001716)
- 8 AMERICAN HOPHORNBEAM (A2005616)



USER NAME = Roadway	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 40.0000' / 1" =	CHECKED - TW	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

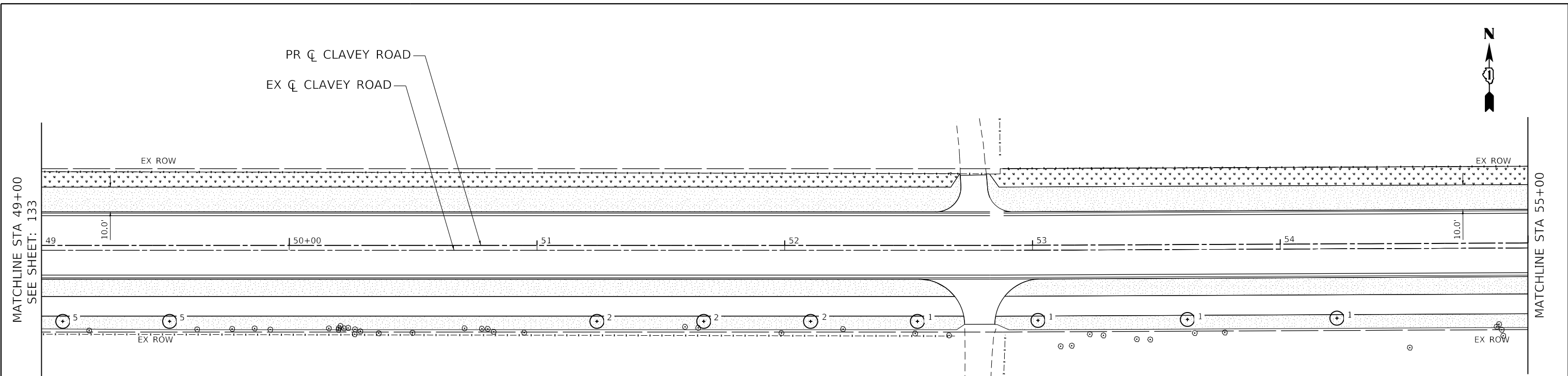
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
LANDSCAPING PLAN**

SCALE: 1" = 20'    SHEET NO. 3 OF 6 SHEETS    STA. 37+00 TO STA. 49+00

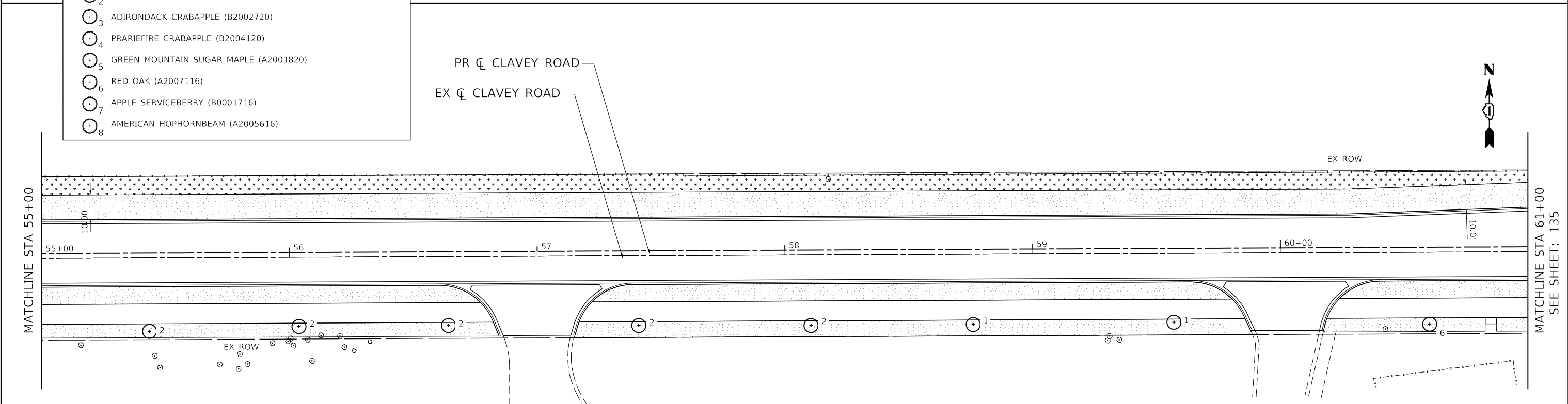
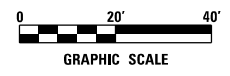
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	133
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				

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**LEGEND:**

- SODDING, SPECIAL
- SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
- 1 KENTUCKY COFFEETREE (A2005020)
- 2 ACCOLADE ELM (A2018720)
- 3 ADIRONDACK CRABAPPLE (B2002720)
- 4 PRARIEFIRE CRABAPPLE (B2004120)
- 5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
- 6 RED OAK (A2007116)
- 7 APPLE SERVICEBERRY (B0001716)
- 8 AMERICAN HOPHORNBEAM (A2005616)



USER NAME = Roadway	DESIGNED - RD	REVISED -
DRAWN - DDS	REVISIONS -	
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

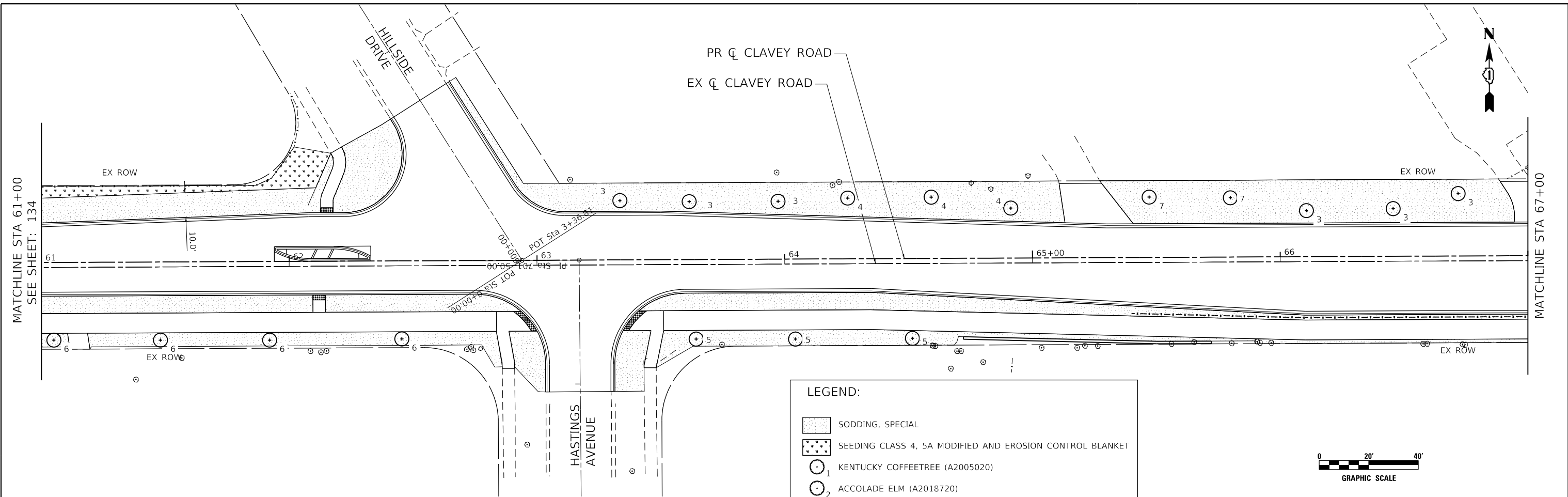
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
LANDSCAPING PLAN**

SCALE: 1" = 20'    SHEET NO. 4 OF 6 SHEETS    STA. 49+00 TO STA. 61+00

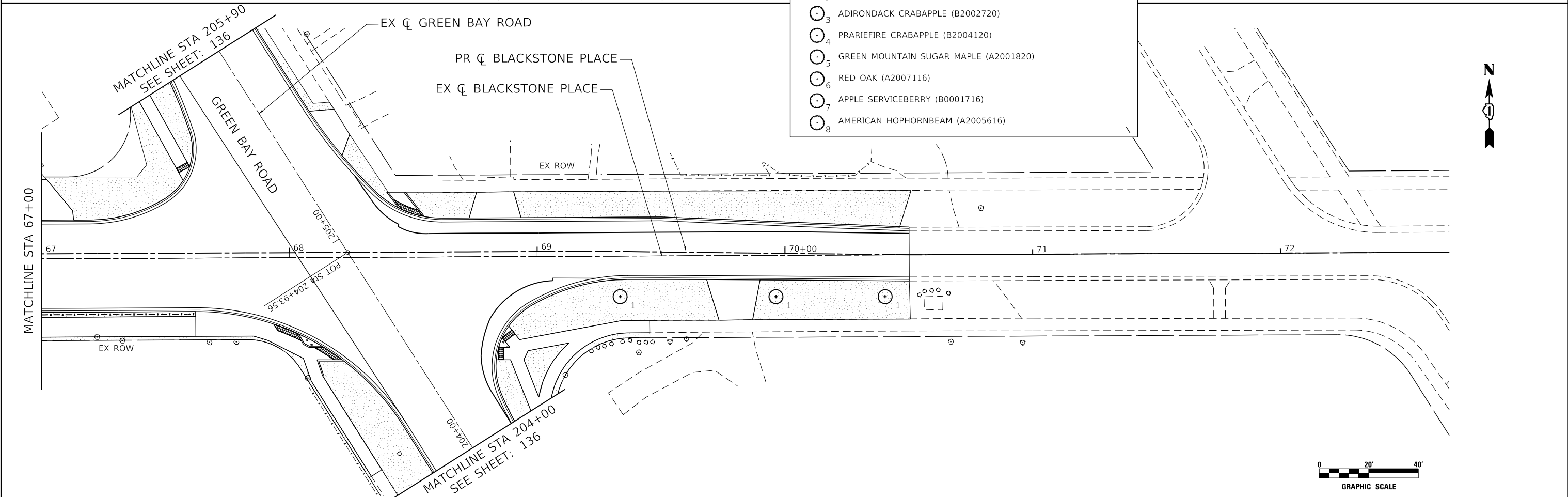
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	134
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT



**LEGEND:**

- SODDING, SPECIAL
- SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
- 1 KENTUCKY COFFEETREE (A2005020)
- 2 ACCOLADE ELM (A2018720)
- 3 ADIRONDACK CRABAPPLE (B2002720)
- 4 PRARIEFIRE CRABAPPLE (B2004120)
- 5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
- 6 RED OAK (A2007116)
- 7 APPLE SERVICEBERRY (B0001716)
- 8 AMERICAN HOPHORNBEAM (A2005616)



**LEGEND:**

- SODDING, SPECIAL
- SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
- 1 KENTUCKY COFFEETREE (A2005020)
- 2 ACCOLADE ELM (A2018720)
- 3 ADIRONDACK CRABAPPLE (B2002720)
- 4 PRARIEFIRE CRABAPPLE (B2004120)
- 5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
- 6 RED OAK (A2007116)
- 7 APPLE SERVICEBERRY (B0001716)
- 8 AMERICAN HOPHORNBEAM (A2005616)



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USER NAME = Roadway	DESIGNED - RD	REVISED -
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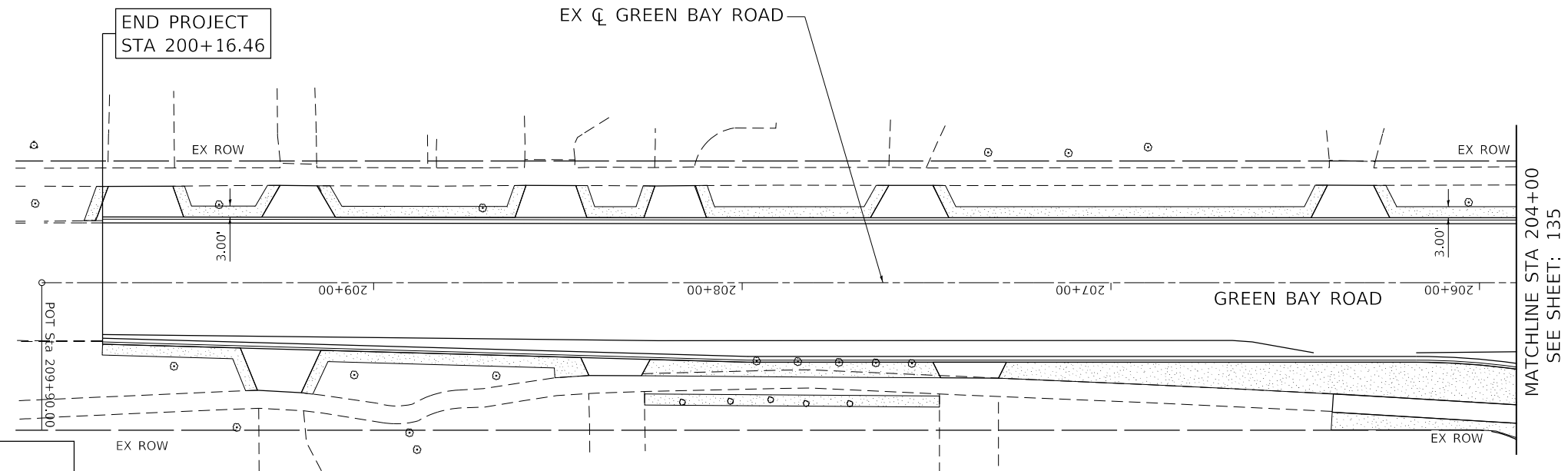
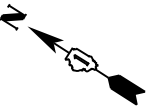
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
LANDSCAPING PLAN**

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 61+00 TO STA. 75+50

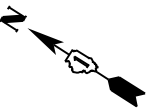
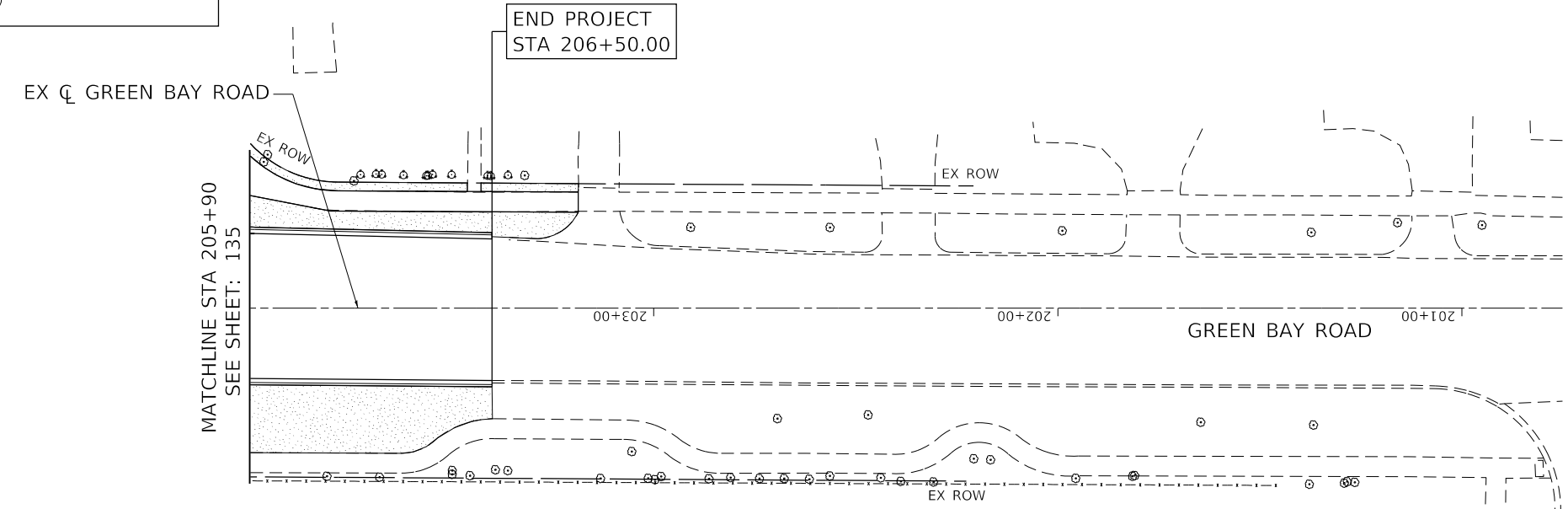
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	135
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT



**LEGEND:**

	SODDING, SPECIAL
	SEEDING CLASS 4, 5A MODIFIED AND EROSION CONTROL BLANKET
	1 KENTUCKY COFFEETREE (A2005020)
	2 ACCOLADE ELM (A2018720)
	3 ADIRONDACK CRABAPPLE (B2002720)
	4 PRARIEFIRE CRABAPPLE (B2004120)
	5 GREEN MOUNTAIN SUGAR MAPLE (A2001820)
	6 RED OAK (A2007116)
	7 APPLE SERVICEBERRY (B0001716)
	8 AMERICAN HOPHORNBEAM (A2005616)



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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
LANDSCAPING PLAN**

SCALE: 1" = 20'    SHEET NO. 6 OF 6 SHEETS    STA. 200+00 TO STA. 208+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	136
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	



# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

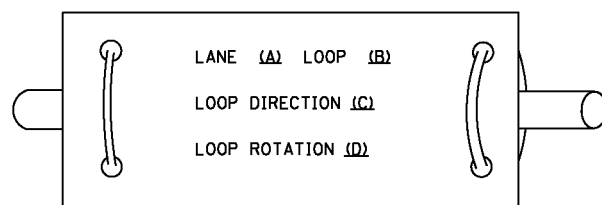
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS   FED. AID PROJECT				

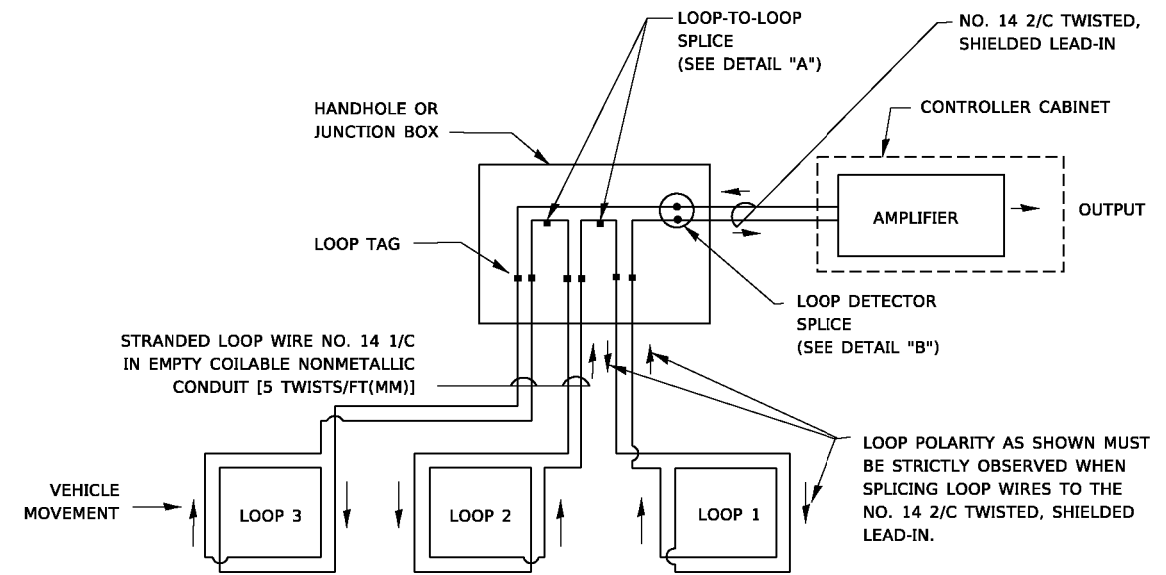
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

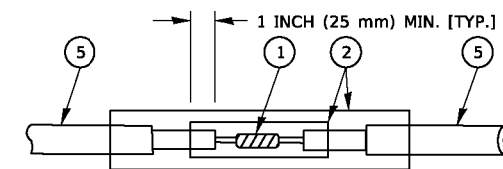


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

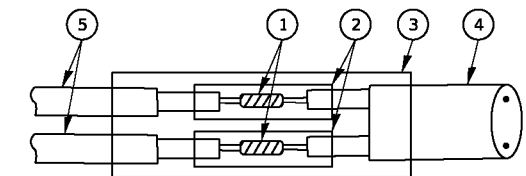


**DETECTOR LOOP WIRING SCHEMATIC**

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

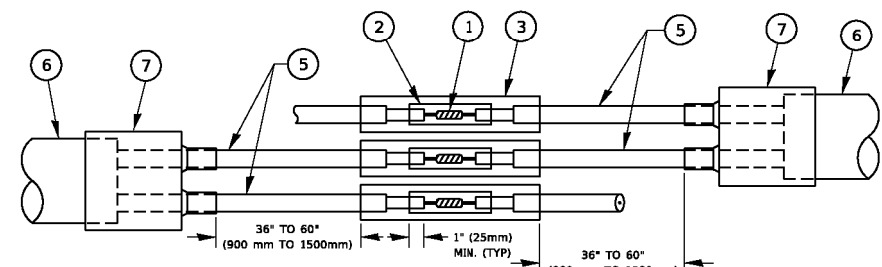


DETAIL "A"  
LOOP-TO-LOOP SPLICE

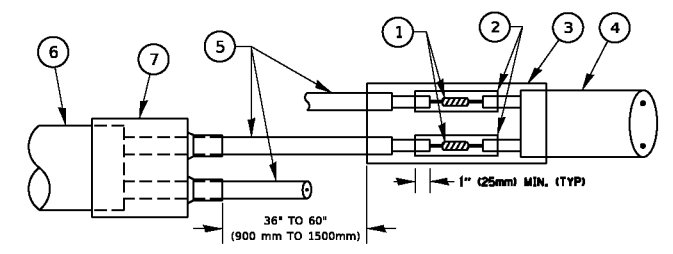


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

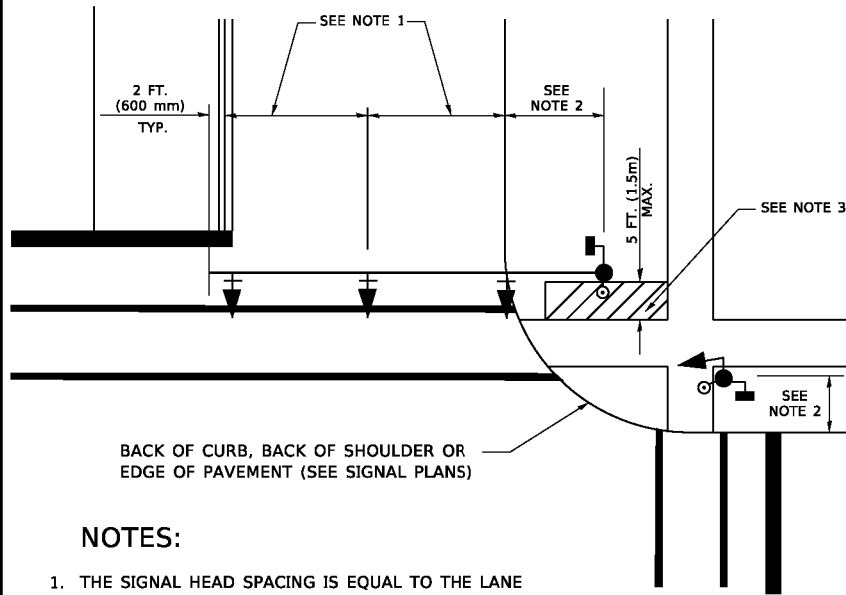
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	139
TS-05			CONTRACT NO.	61085
ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

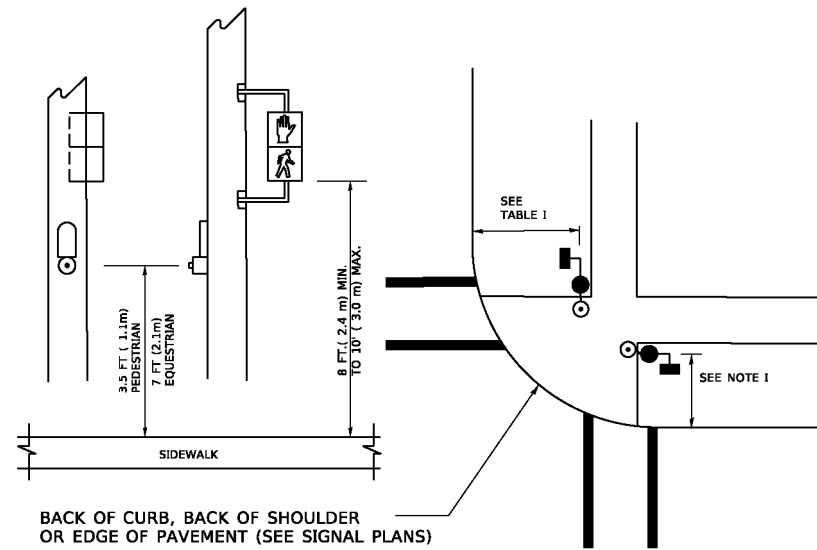
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

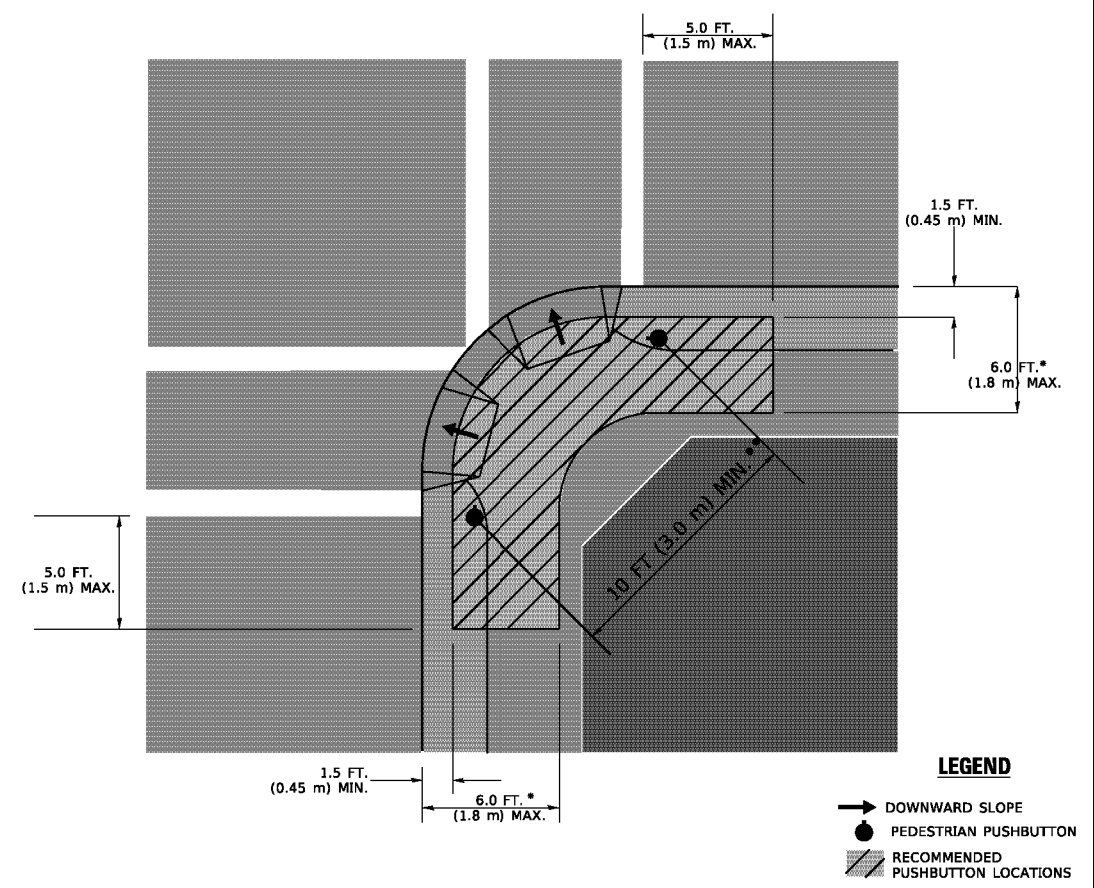
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- \* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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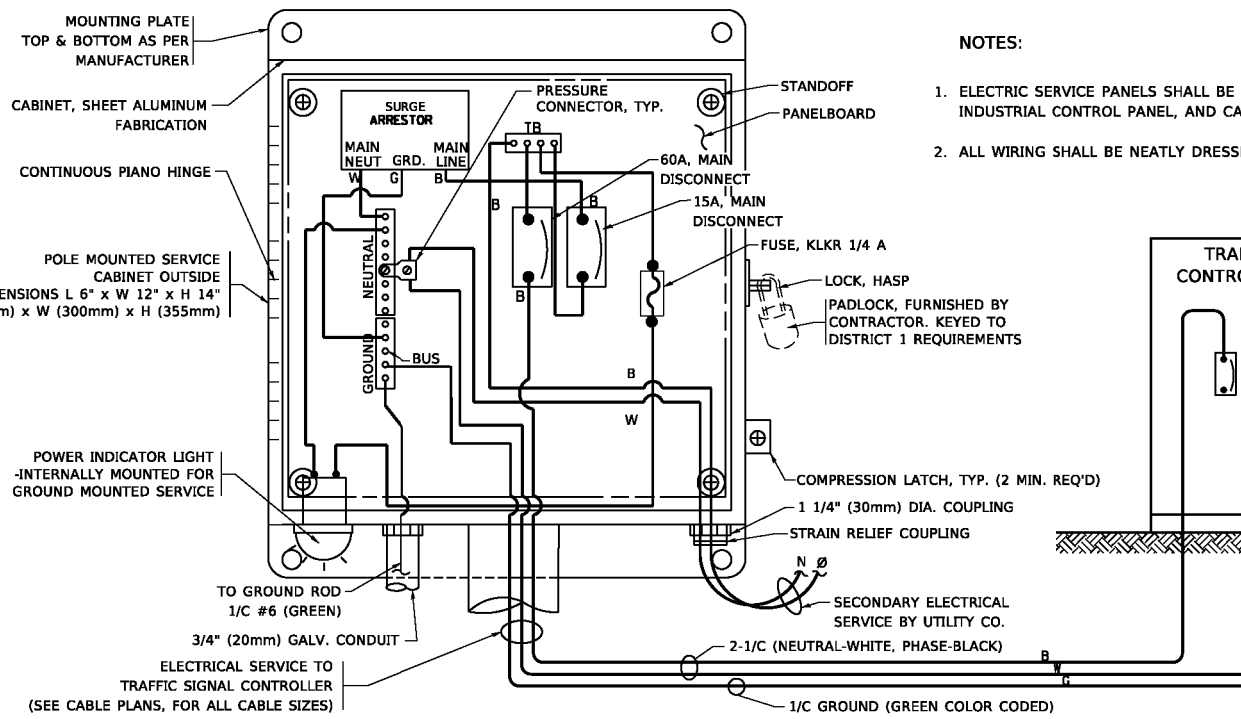
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

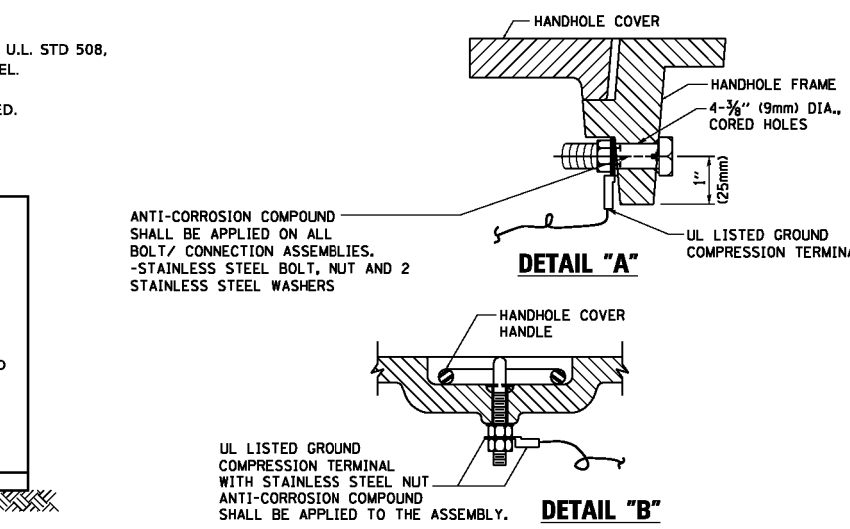
SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-05</b>		CONTRACT NO.	61685	
ILLINOIS FED. AID PROJECT				

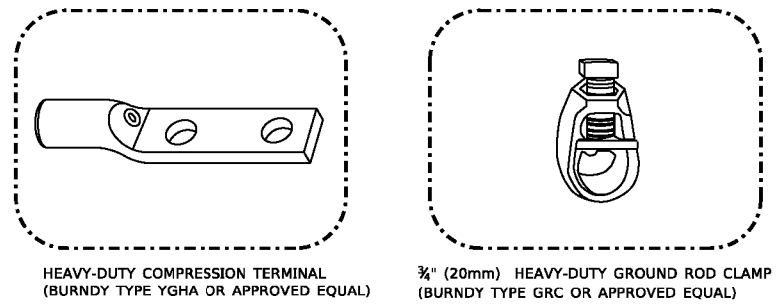




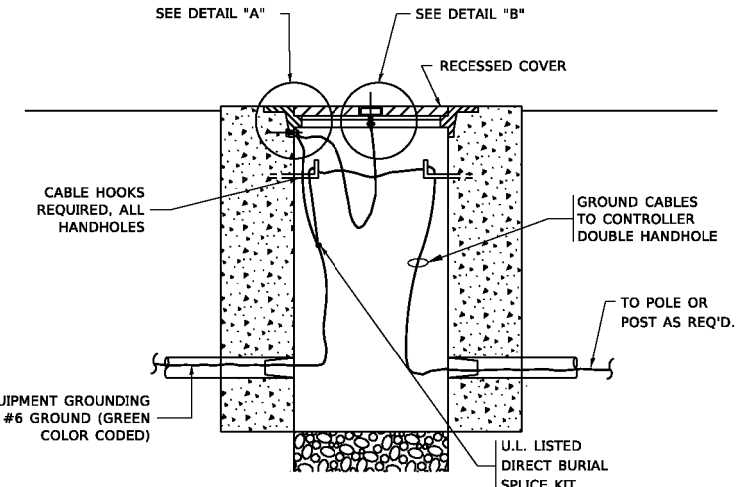
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



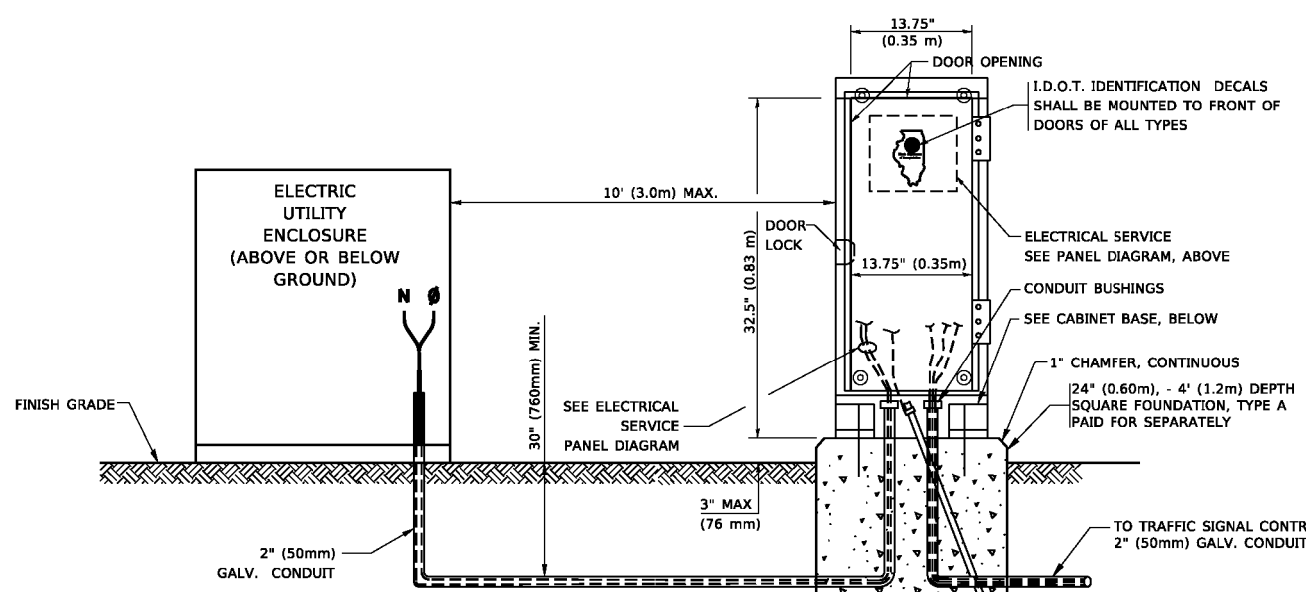
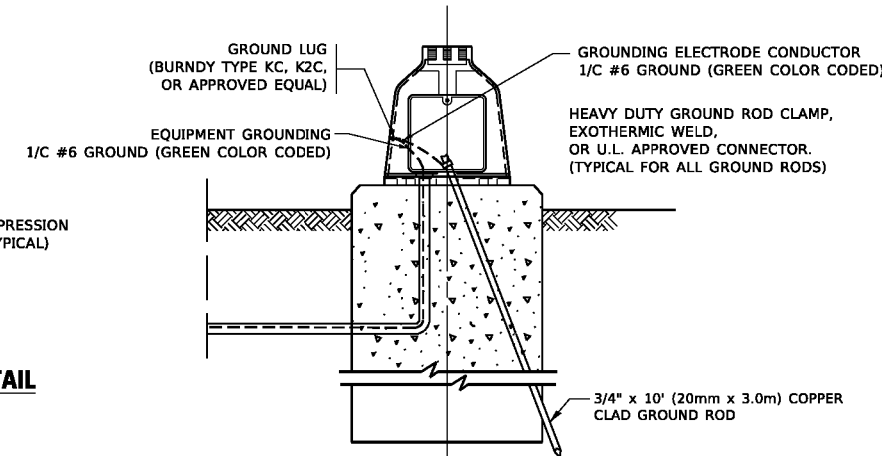
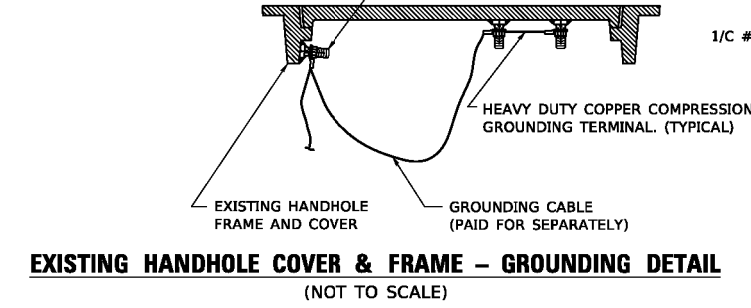
- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
  - THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
  - ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
  - THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

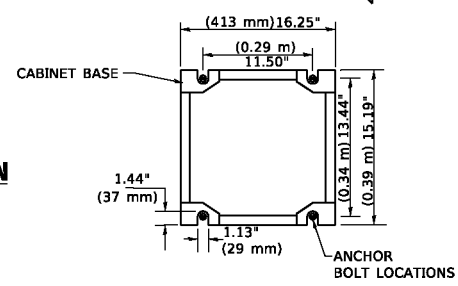


- (2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL). ANTI-CORROSION COMPOUND SHALL BE APPLIED TO EACH ASSEMBLY.



**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)

**CABINET - BASE BOLT PATTERN**  
 (NOT TO SCALE)



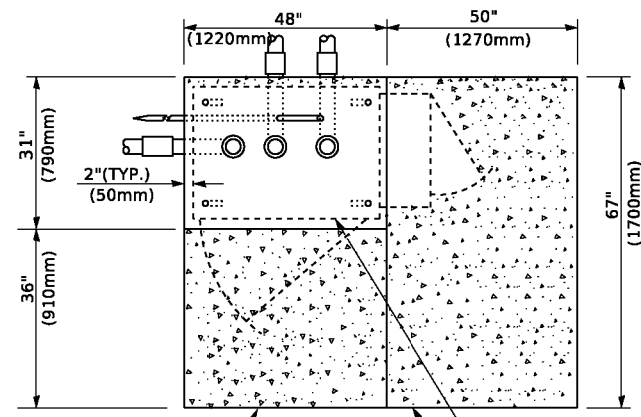
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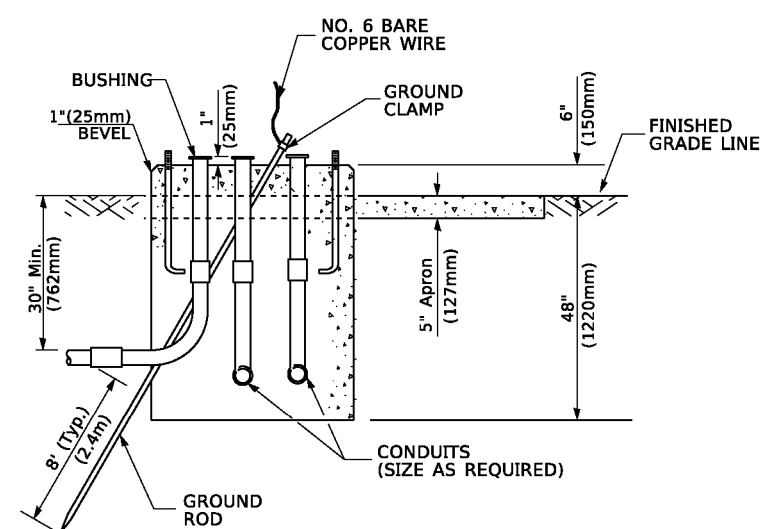
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

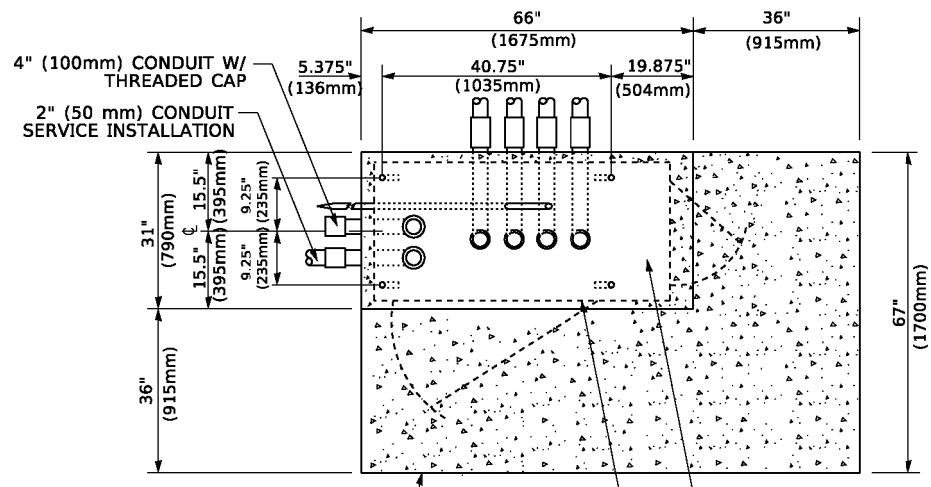
F.A.P. RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 141
<b>TS-05</b>		CONTRACT NO. 61G85		
ILLINOIS / FED. AID PROJECT				



**TOP VIEW**

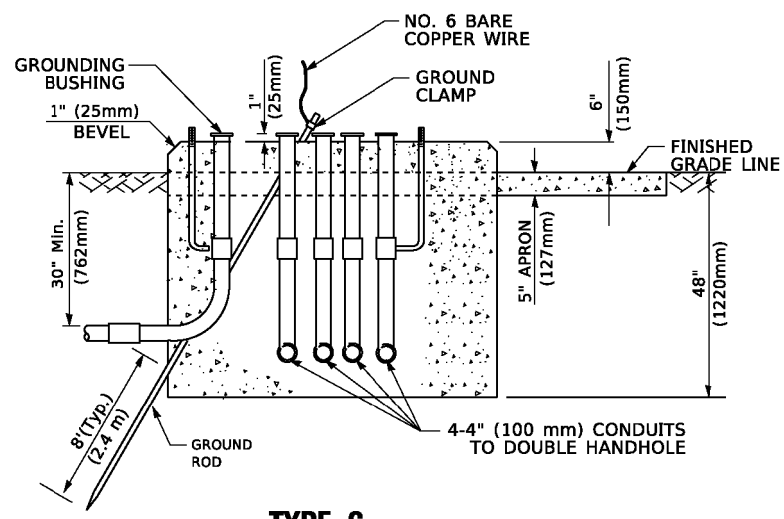


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

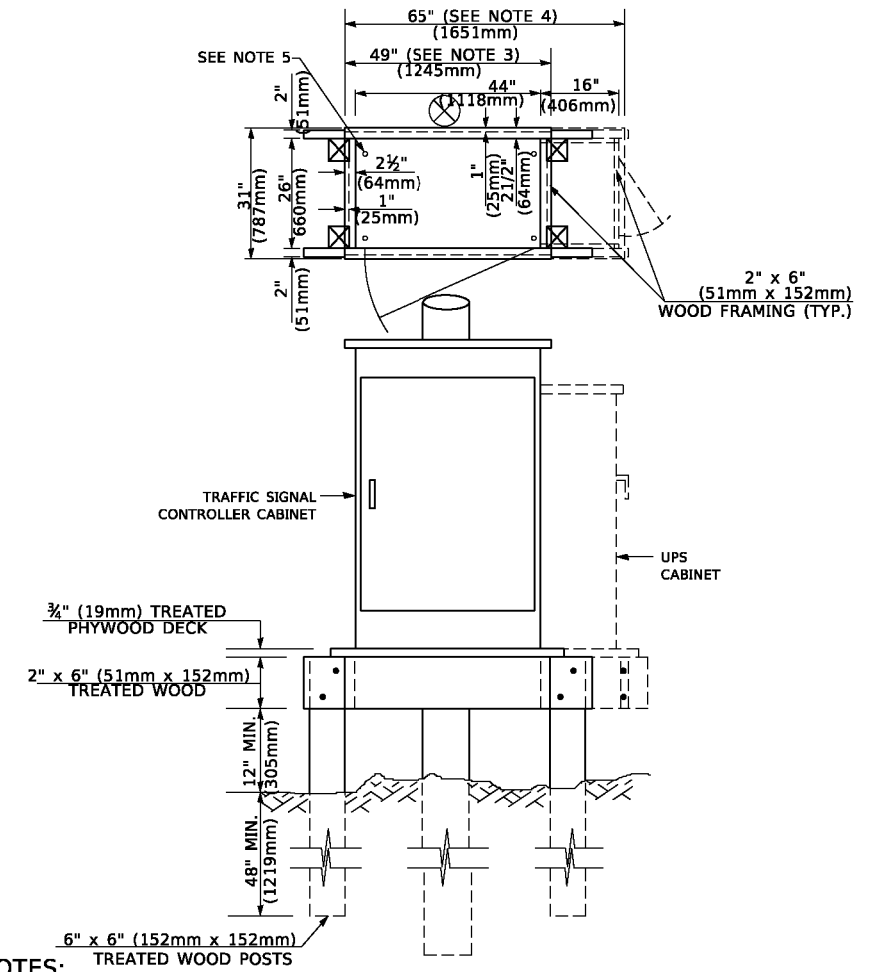


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL  
BE HIGHER THAN TOP OF  
DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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**

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**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

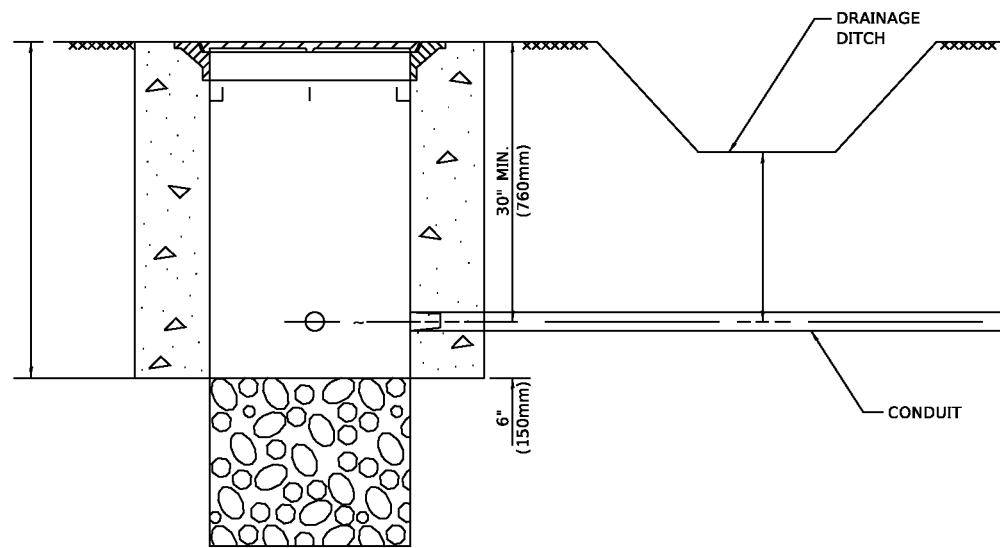
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	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET 5 OF 7 SHEETS STA. TO STA.

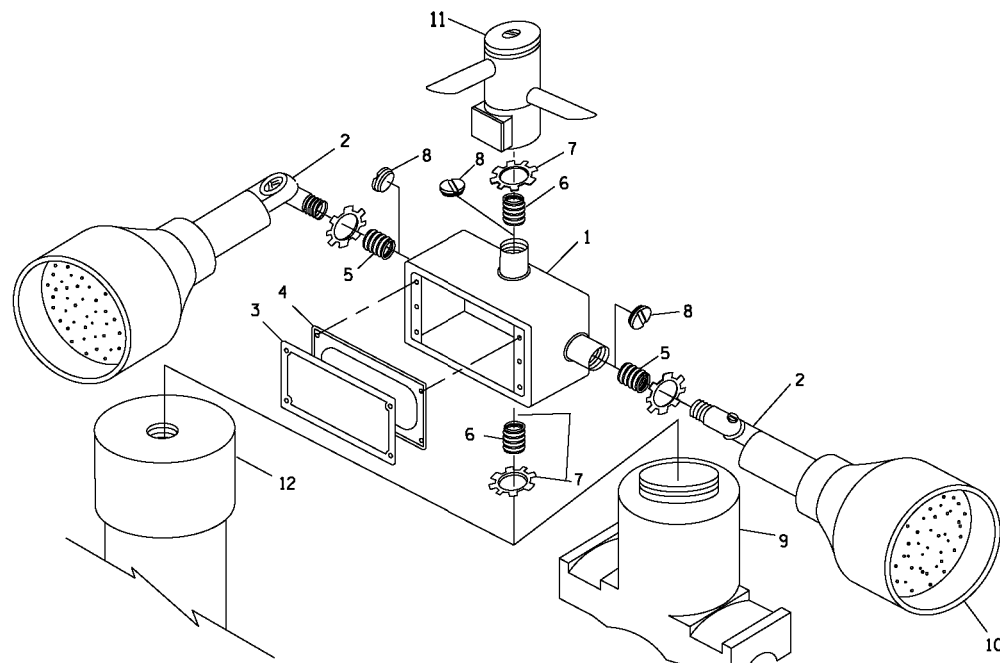
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	142
<b>TS-05</b>		CONTRACT NO. 61G85		
ILLINOIS / FED. AID PROJECT				



**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)

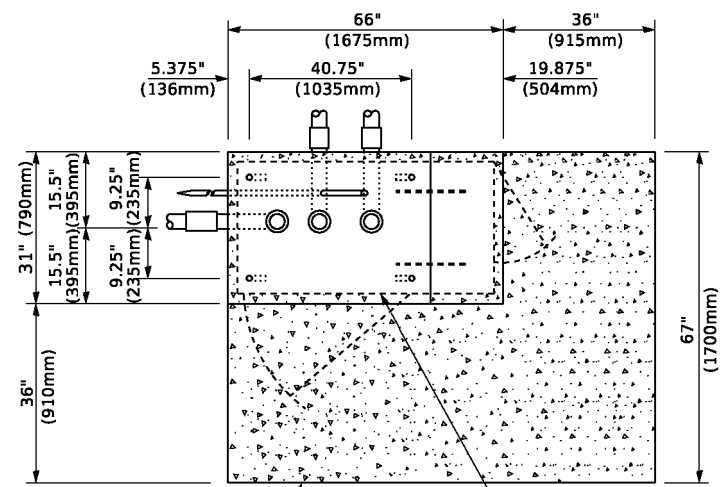


**POST CAP MOUNT**      **MAST ARM MOUNT**  
**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION**  
**BEACON MOUNTING DETAIL**

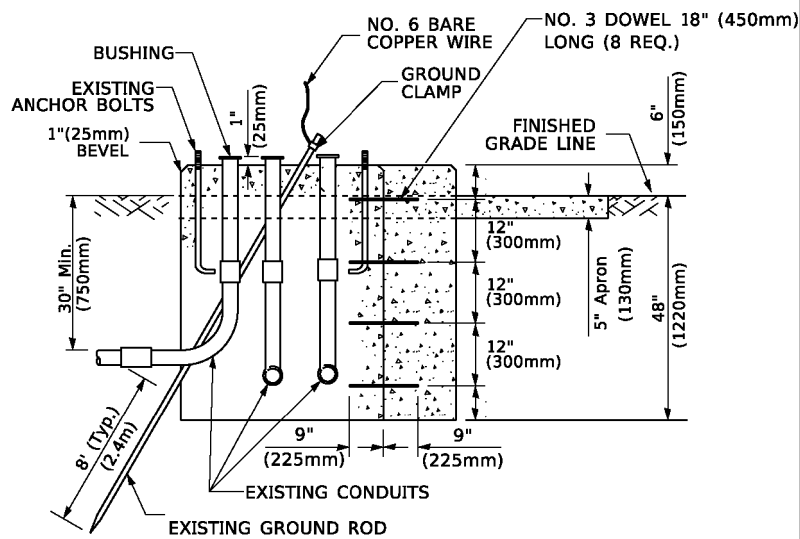
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

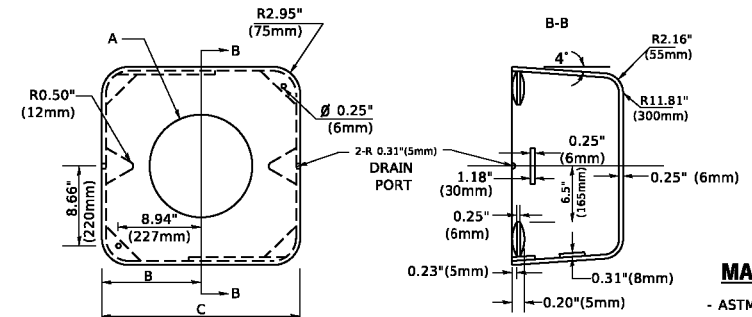
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**TOP VIEW**  
(NOT TO SCALE)



**MODIFY EXISTING TYPE "D" FOUNDATION**  
**TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)



**MATERIAL**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

	A	B	C	HEIGHT	WEIGHT
VARIABLES	VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

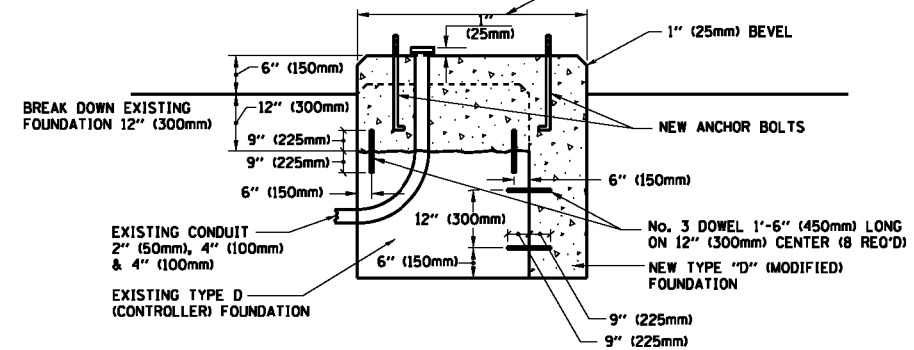
**SHROUD**

**NOTES:**

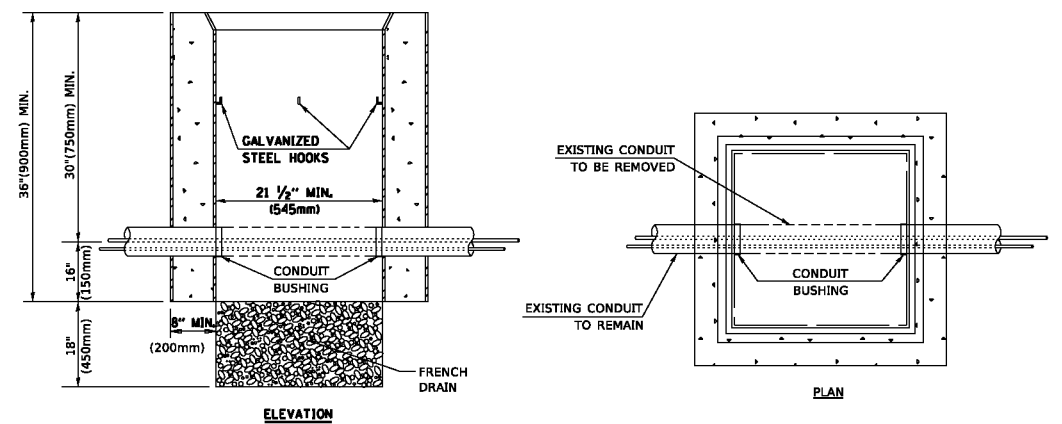
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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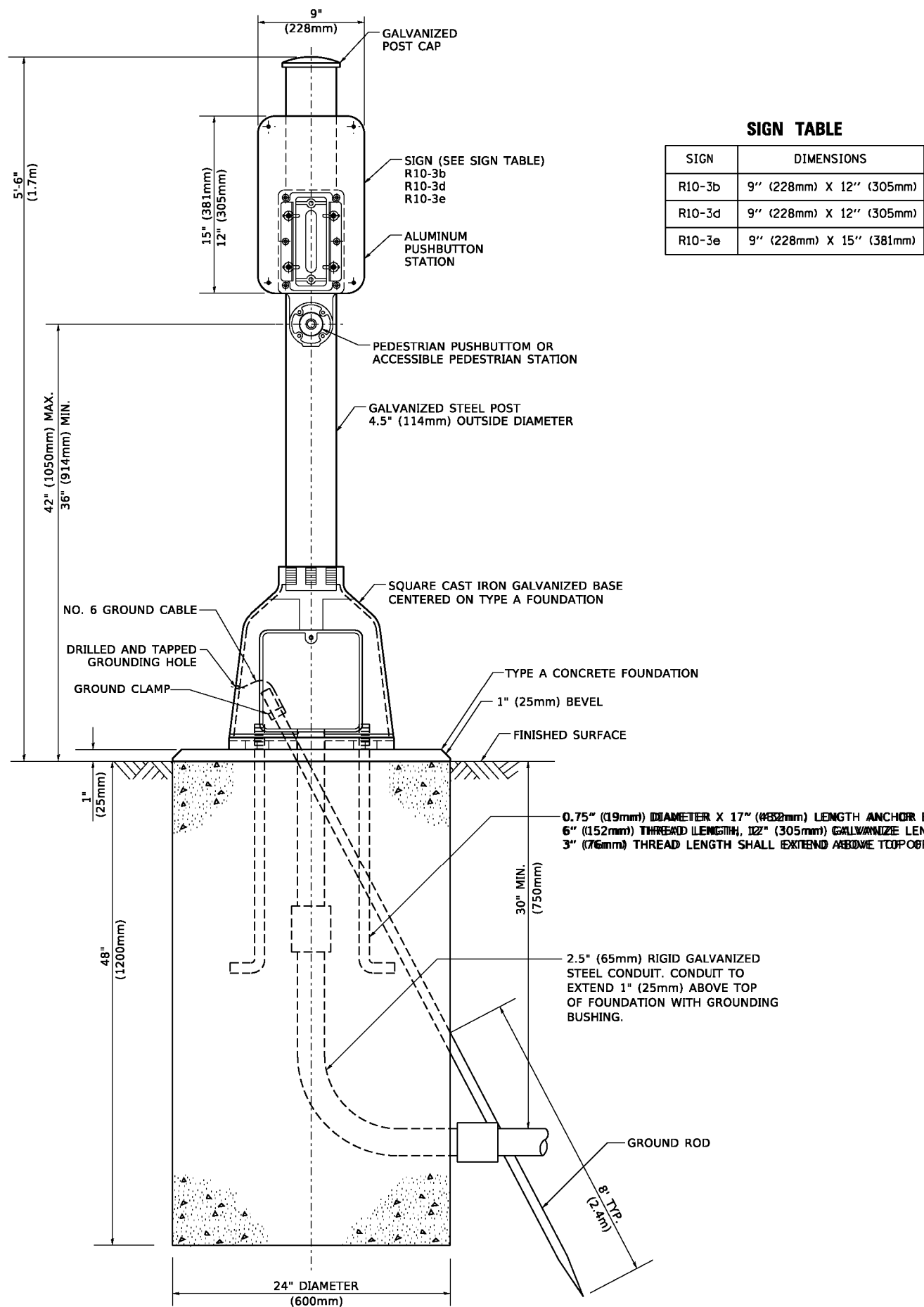
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	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

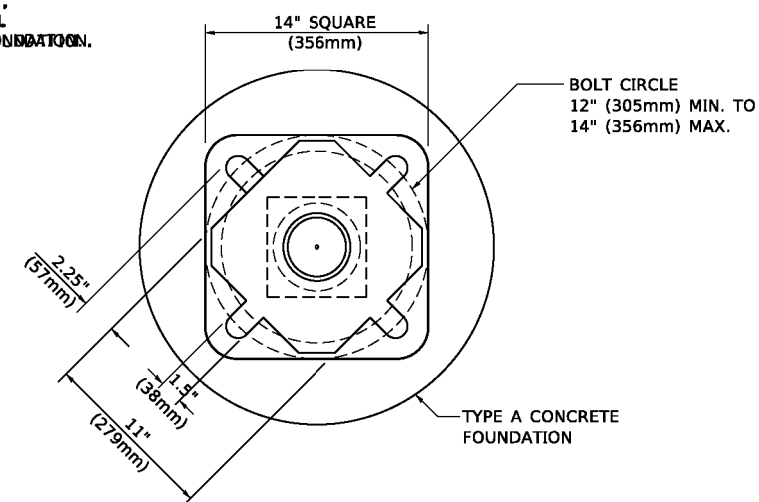
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F.A.P. RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 143
TS-05		CONTRACT NO. 61G85	ILLINOIS FED. AID PROJECT	



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**

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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	144
<b>TS-05</b>		CONTRACT NO. 61685		
ILLINOIS FED. AID PROJECT				



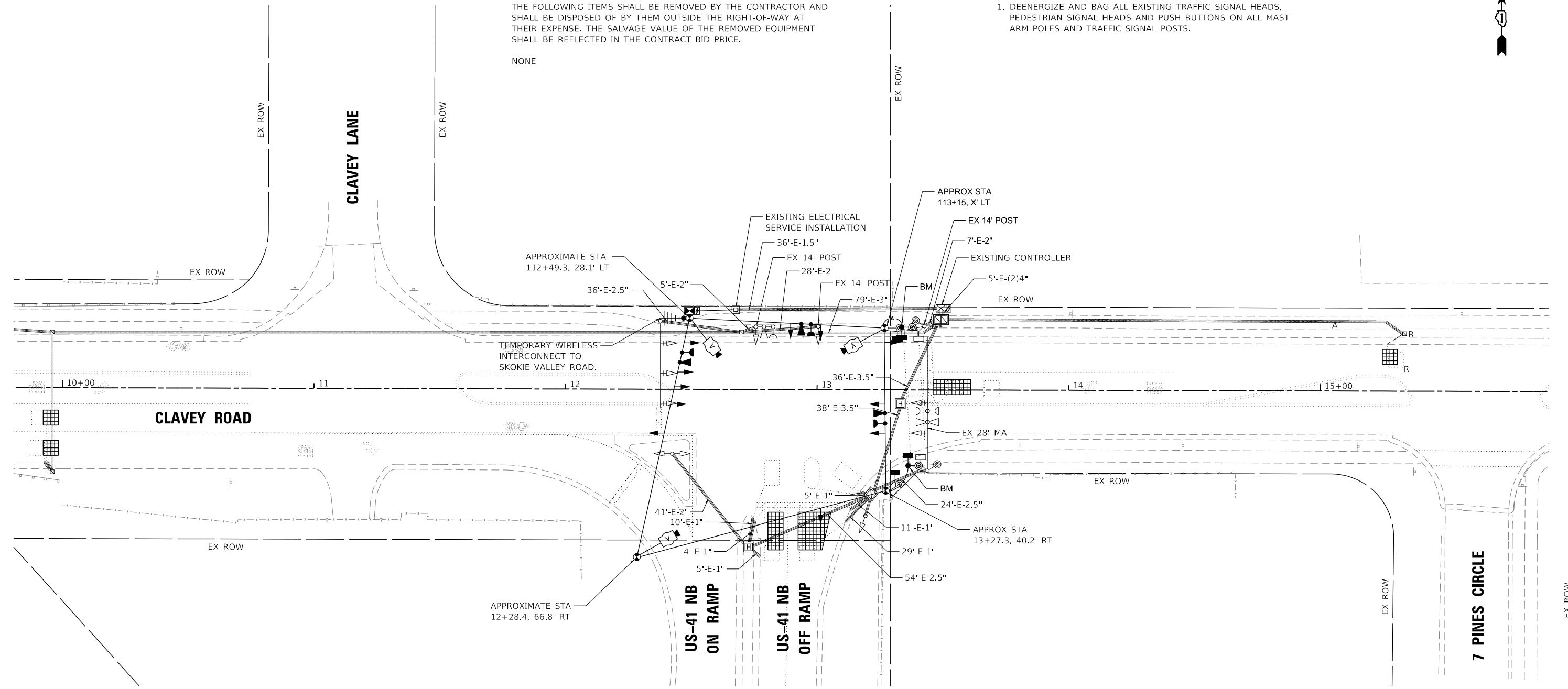
**REMOVAL AND RELOCATION NOTES:**

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

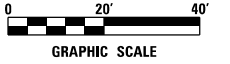
NONE

**NOTES:**

1. DEENERGIZE AND BAG ALL EXISTING TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS ON ALL MAST ARM POLES AND TRAFFIC SIGNAL POSTS.



**PRE-STAGE, STAGE 1, STAGE 2 SHOWN**



**TS# 11875  
HIGHLAND PARK**

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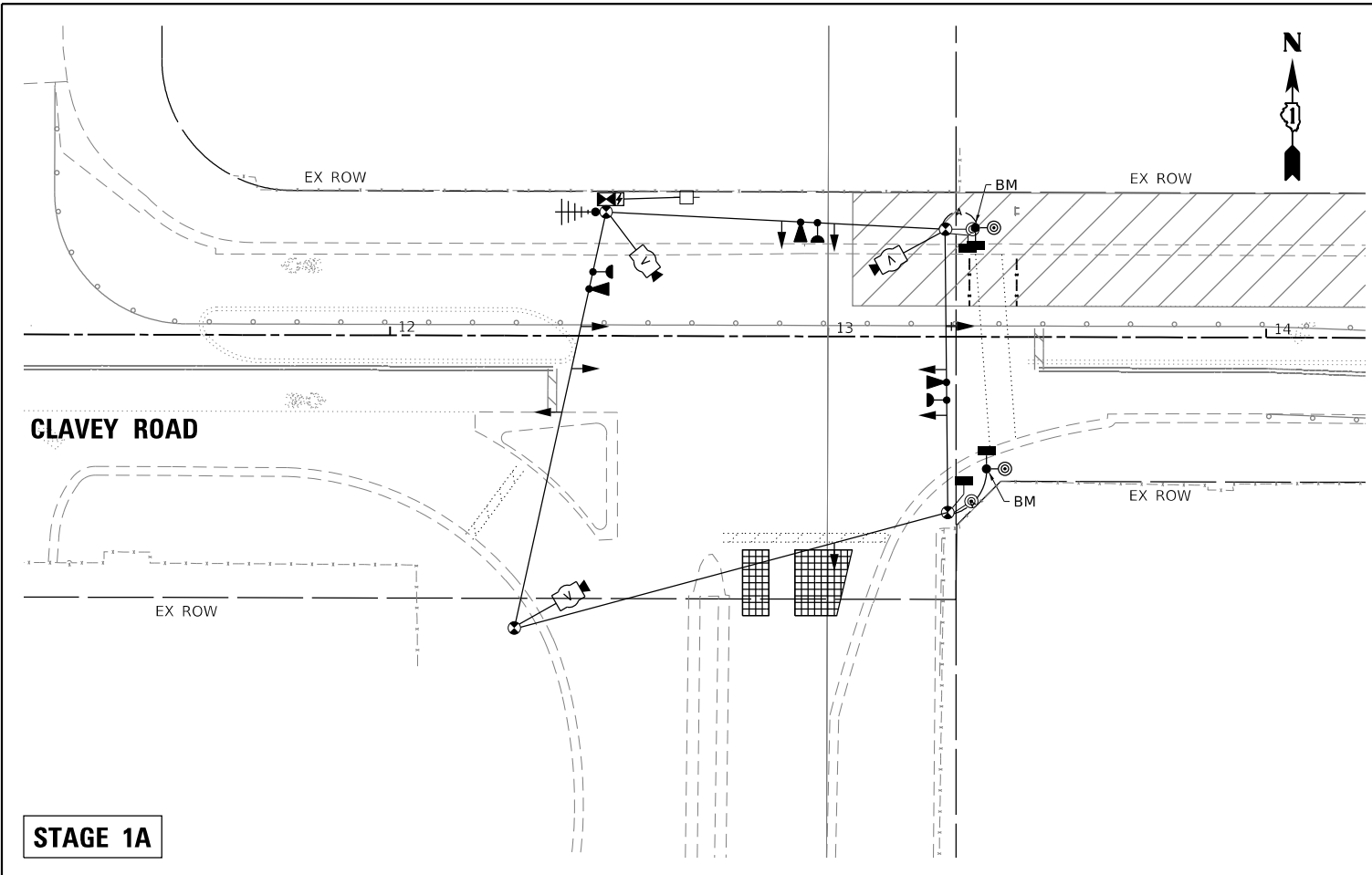
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	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

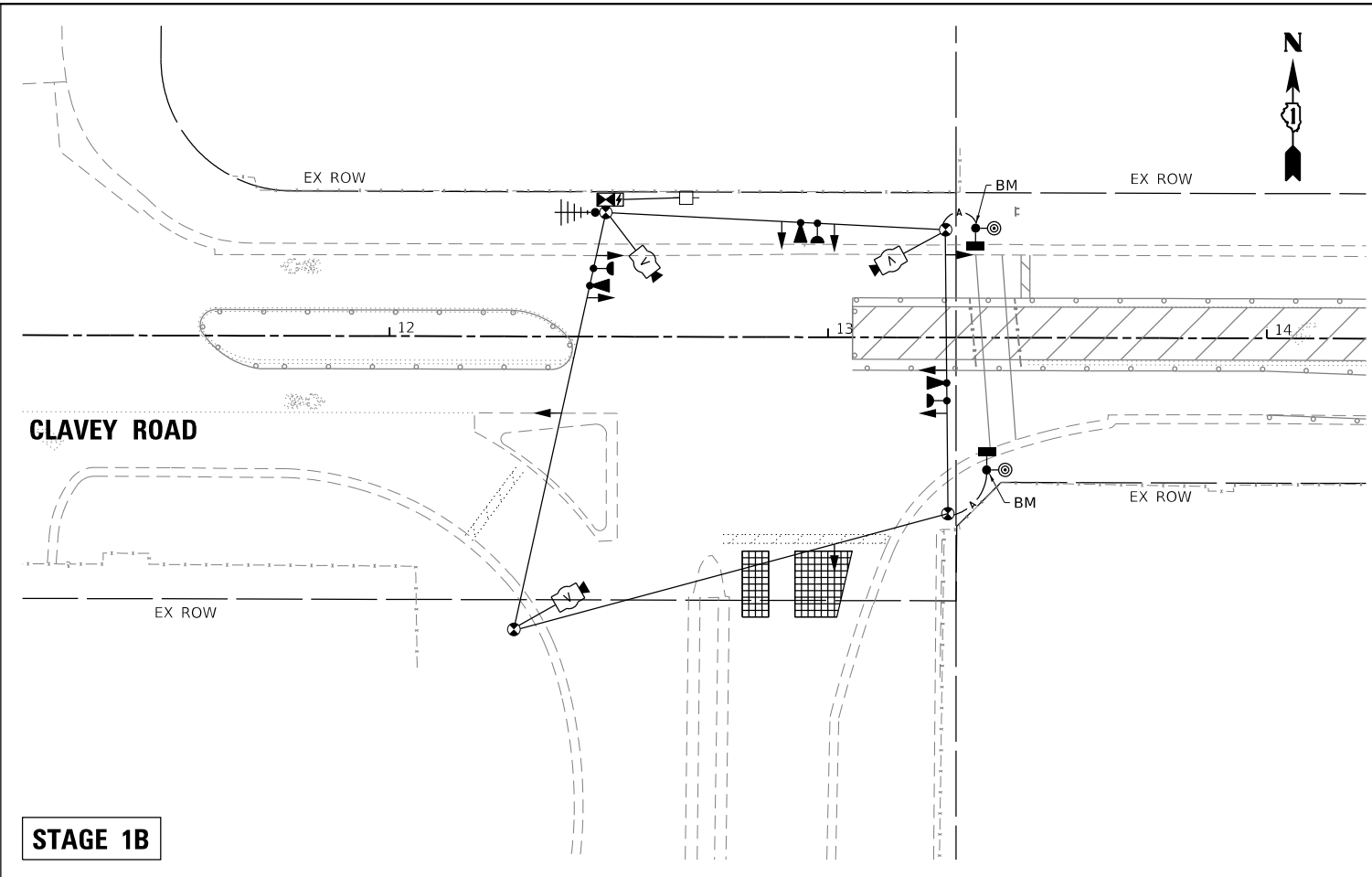
**TEMPORARY TRAFFIC INSTALLATION PLAN AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)  
CLAVEY ROAD AND US41 NB RAMP**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA.    TO STA.

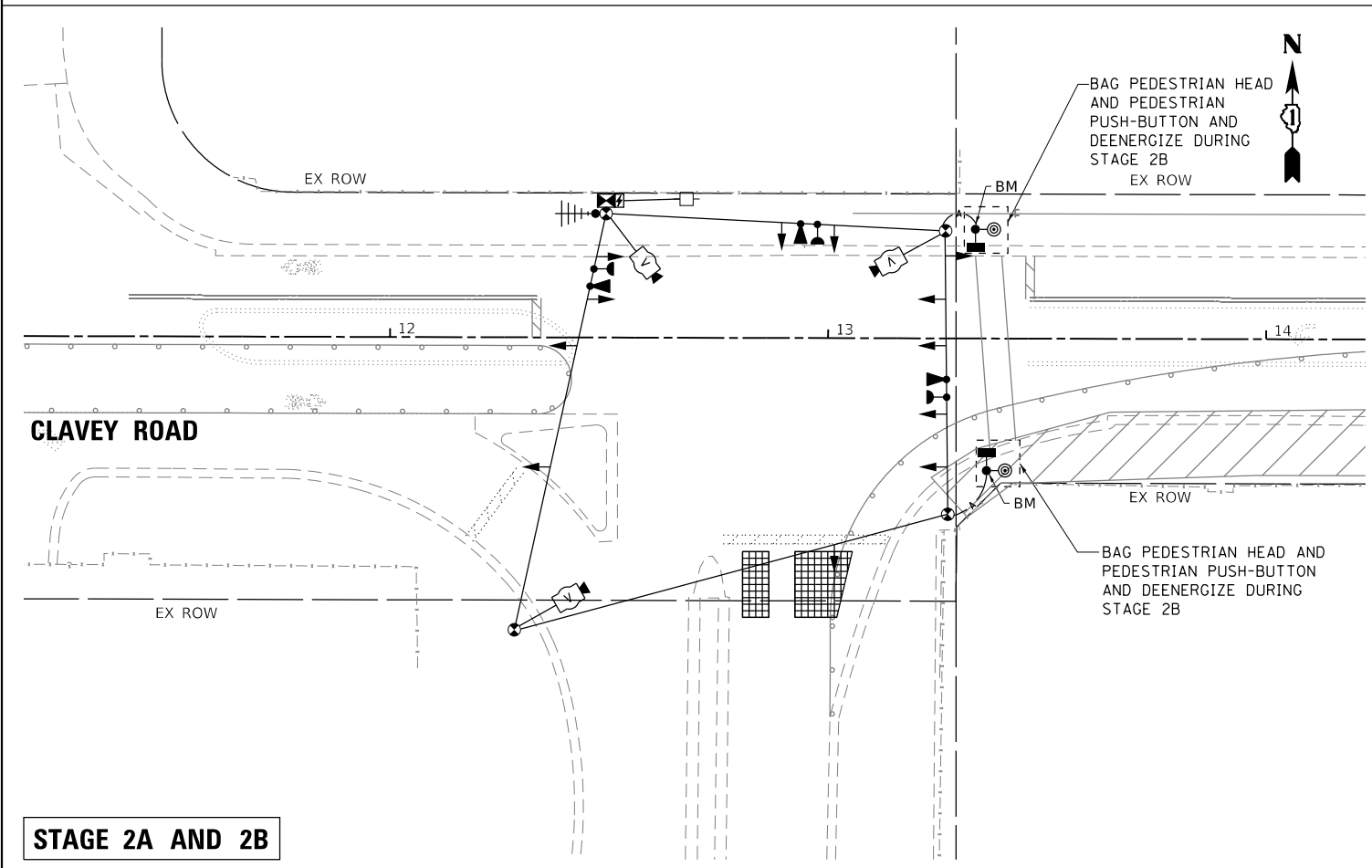
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	145
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				



**STAGE 1A**



**STAGE 1B**



**STAGE 2A AND 2B**



**TS# 11875  
HIGHLAND PARK**

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	DRAWN - D. JOHNSON	REVISED -
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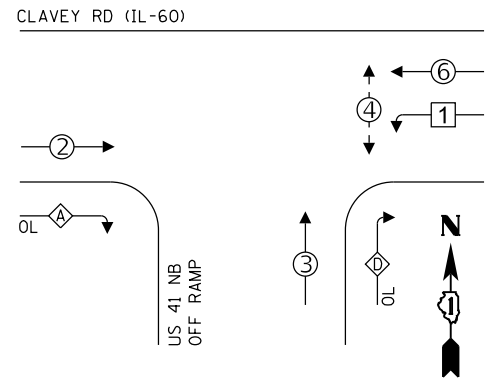
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)  
CLAVEY ROAD AND US41 NB RAMP**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	146
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**  
**PRE-STAGE, STAGE 1, STAGE 2**

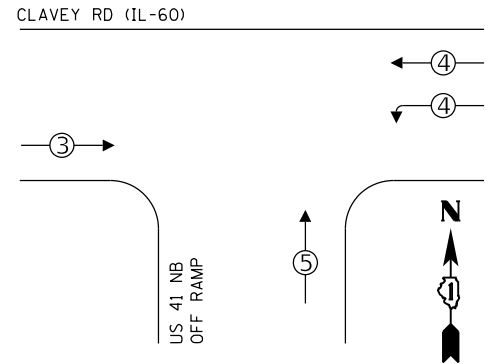


**LEGEND:**

- ← ⊙ ← PROTECTED PHASE
- ← ⊠ ← SINGLE ENTRY PHASE
- ← ⊙ → PEDESTRIAN PHASE

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 3	+ 1

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	↔	↑

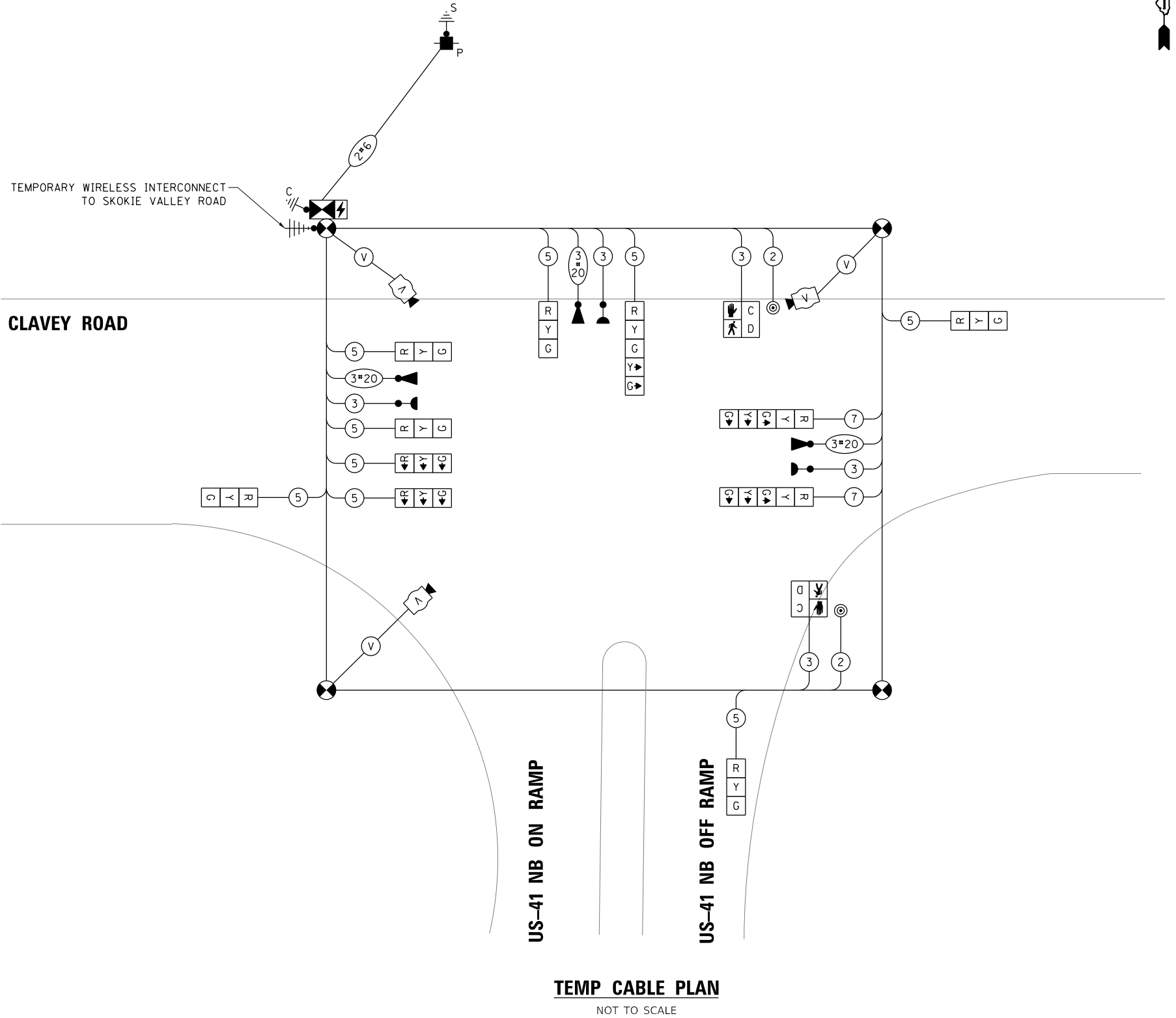
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	7	12	45	37.8
PROTECTED ARROW	9	10	10	9.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	-	250	50	-
TOTAL =				419.8

ENERGY COSTS TO:

CITY OF HIGHLAND PARK  
1707 ST. JOHNS AVENUE  
HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
COMPANY: COMMONWEALTH EDISON  
PHONE: (866) 639-3532  
ACCOUNT NUMBER: ---



**TEMP CABLE PLAN**  
NOT TO SCALE

**TS #11875**  
**HIGHLAND PARK**

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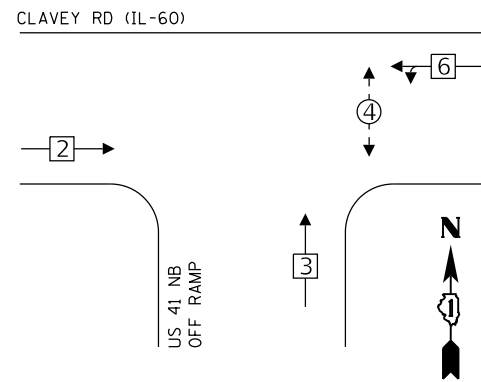
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,**  
**AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE**  
**CLAVEY ROAD AND US41 NB RAMP - PRESTAGE, STAGE 1, STAGE 2**

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	147
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

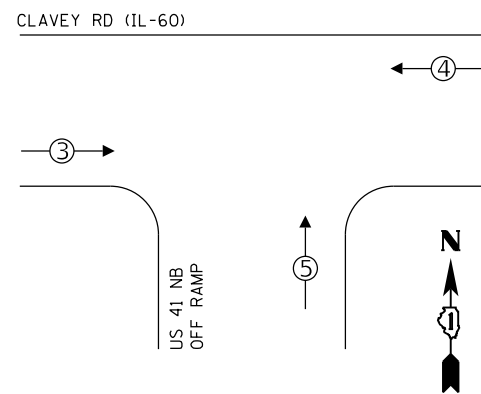
**PROPOSED CONTROLLER SEQUENCE  
STAGE 1A, 1B**



**LEGEND:**

- ← ⊙ ← PROTECTED PHASE
- ← ⊛ ← SINGLE ENTRY PHASE
- ← ⊙ → PEDESTRIAN PHASE

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



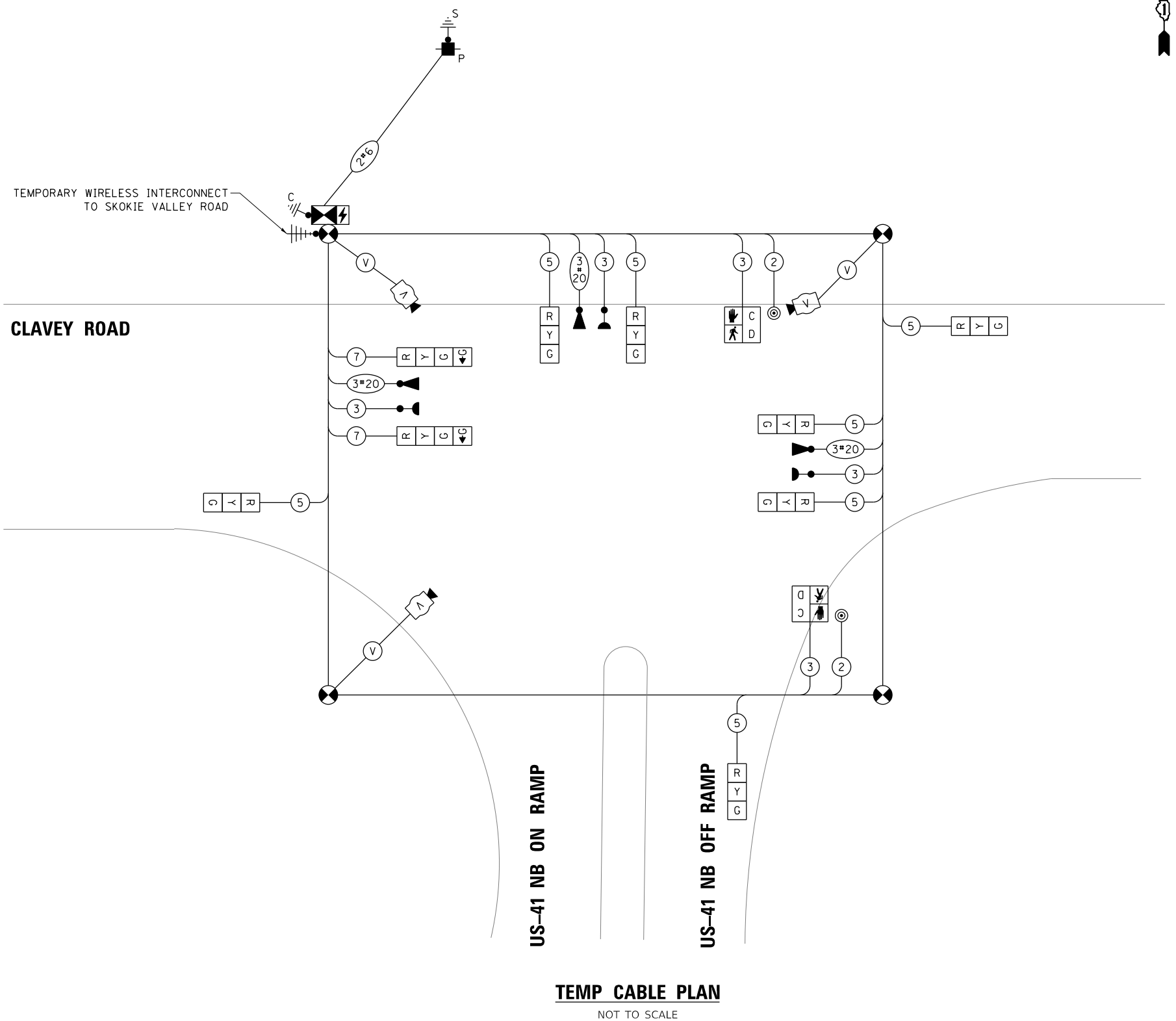
**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PROTECTED ARROW	2	10	10	2.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	-	250	50	-
TOTAL =				424.1

ENERGY COSTS TO:

CITY OF HIGHLAND PARK  
1707 ST. JOHNS AVENUE  
HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
COMPANY: COMMONWEALTH EDISON  
PHONE: (866) 639-3532  
ACCOUNT NUMBER: ---



**TEMP CABLE PLAN**  
NOT TO SCALE

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PLOT SCALE = 40,0000' / 1in.	DRAWN - D. JOHNSON	REVISED -
PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE  
CLAVEY ROAD AND US41 NB RAMP - STAGE 1A, 1B**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	148
CONTRACT NO. 61G85				

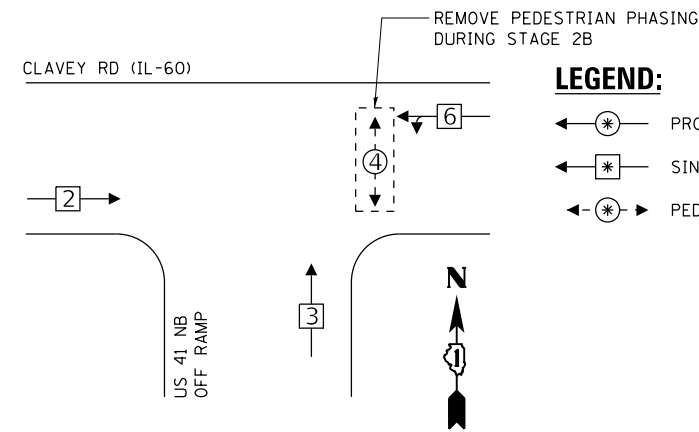
**TS #11875  
HIGHLAND PARK**

ILLINOIS FED. AID PROJECT



**PROPOSED CONTROLLER SEQUENCE**

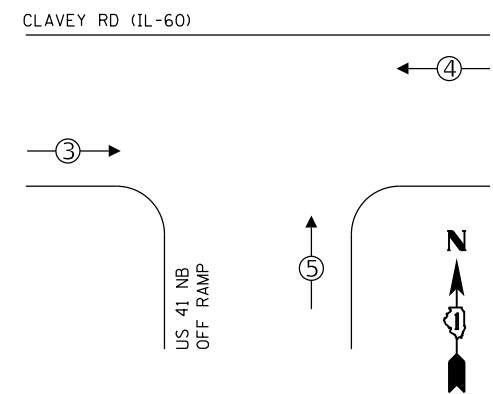
**STAGE 2A & 2B**



**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊠ → SINGLE ENTRY PHASE
- ← ⊙ → PEDESTRIAN PHASE

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



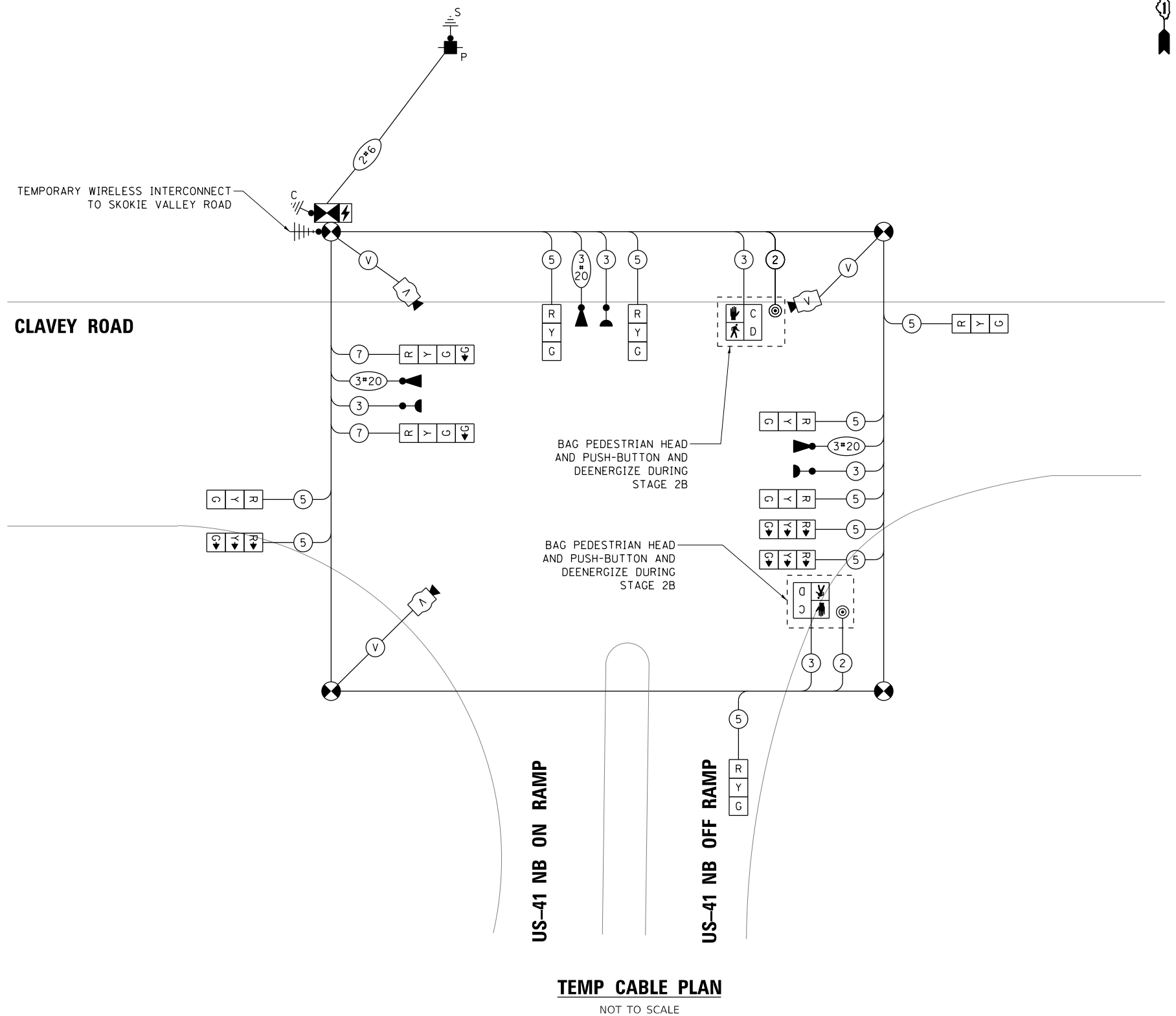
**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PROTECTED ARROW	2	10	10	2.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	-	250	50	-
TOTAL =				419.8

ENERGY COSTS TO:

CITY OF HIGHLAND PARK  
1707 ST. JOHNS AVENUE  
HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
COMPANY: COMMONWEALTH EDISON  
PHONE: (866) 639-3532  
ACCOUNT NUMBER: ---



**TEMP CABLE PLAN**  
NOT TO SCALE

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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
PLOT SCALE = 40,0000' / 1in.	DRAWN - D. JOHNSON	REVISED -
PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE  
CLAVEY ROAD AND US41 NB RAMP - STAGE 2A & 2B**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

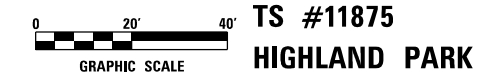
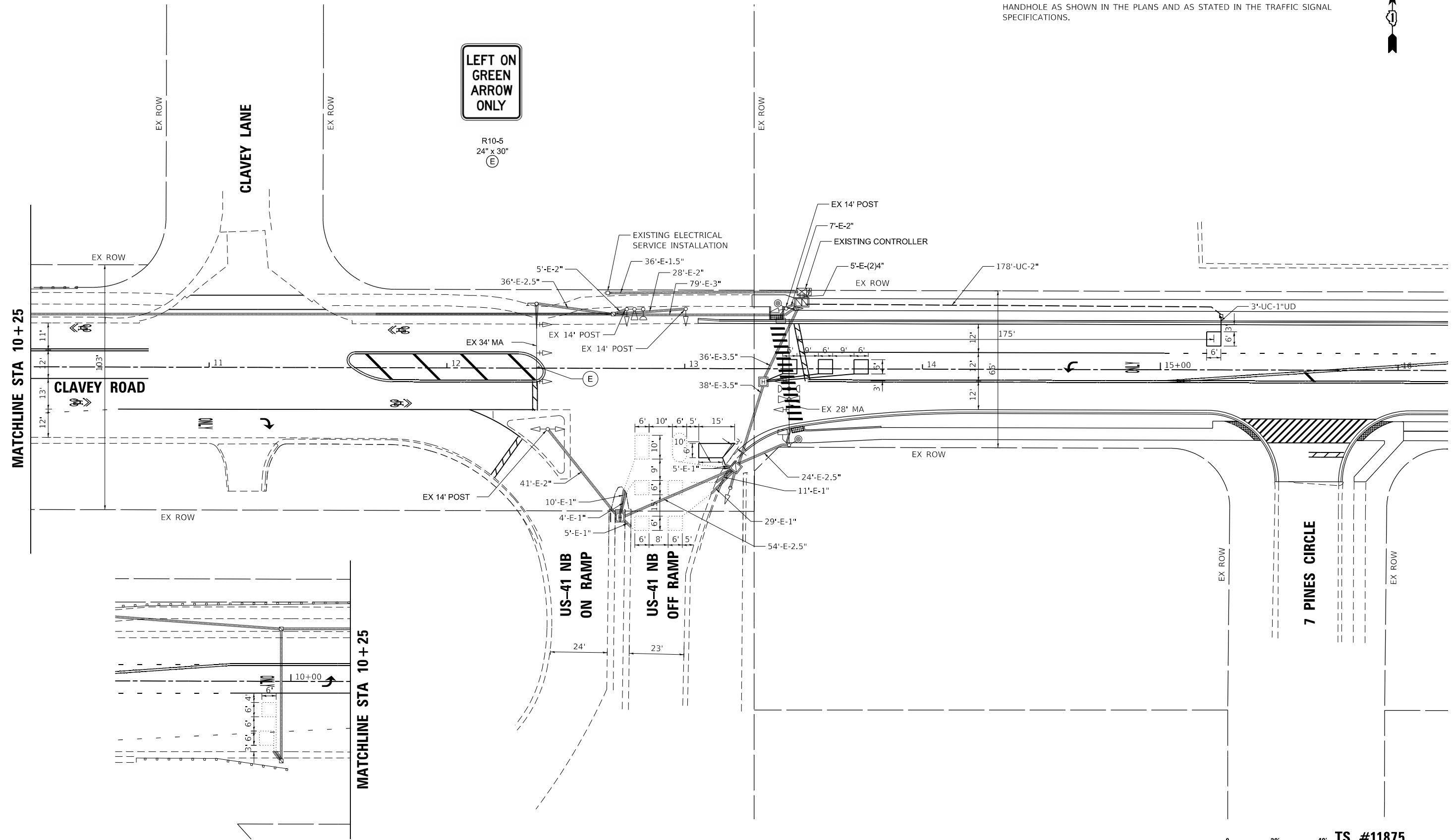
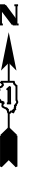
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	149
CONTRACT NO. 61G85				

**TS #11875  
HIGHLAND PARK**

ILLINOIS FED. AID PROJECT

**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJUSACENT HANDHOLE AS SHOWN IN THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



DATE PLOTTED = 9/17/2021 7:30:23 AM  
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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 40.0000' / 1\"/>		

CHECKED - J. VONDRA	REVISED -
DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

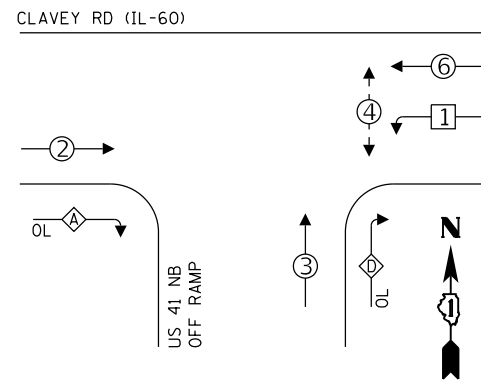
**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**TRAFFIC SIGNAL PLAN**  
**CLAVEY ROAD AND US41 NB RAMP**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

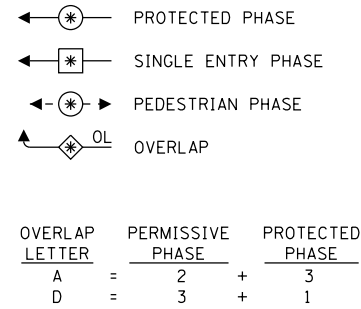
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	150
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT

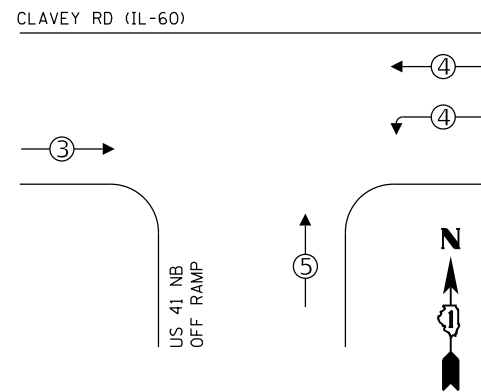
**CONTROLLER SEQUENCE**



**LEGEND:**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



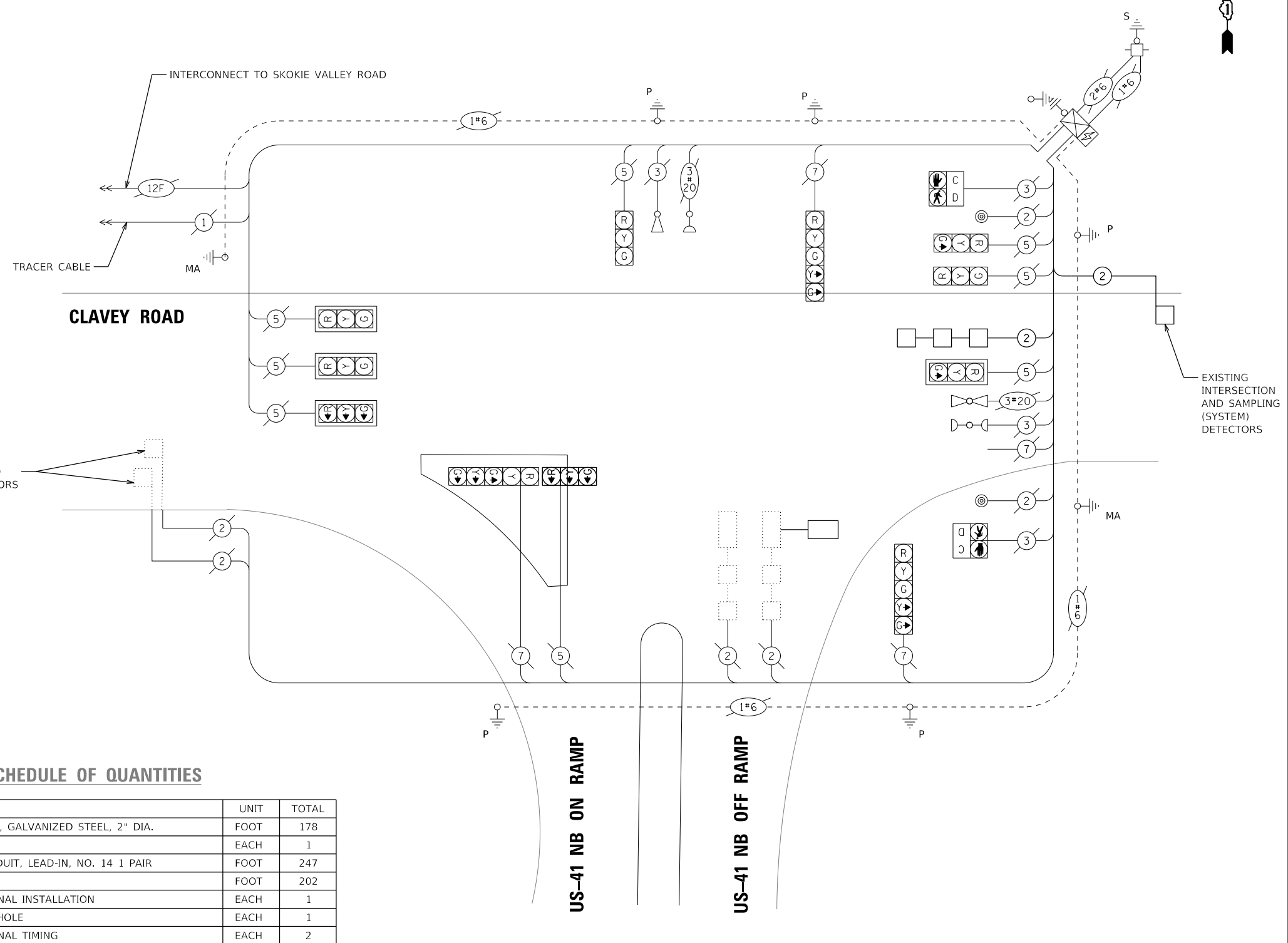
**CLAVEY ROAD AND US41 NB RAMPS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PROTECTED ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	-	250	50	-
TOTAL =				315.8

ENERGY COSTS TO:  
 CITY OF HIGHLAND PARK  
 1707 ST. JOHNS AVENUE  
 HIGHLAND PARK, IL 60035  
 ENERGY SUPPLY CONTACT: NEW BUSINESS  
 COMPANY: COMMONWEALTH EDISON  
 PHONE: (866) 639-3532  
 ACCOUNT NUMBER: ---

**SCHEDULE OF QUANTITIES**

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	178
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	247
DETECTOR LOOP, TYPE I	FOOT	202
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2



**CABLE PLAN**  
NOT TO SCALE

**TS #11875**  
**HIGHLAND PARK**

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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
PLOT SCALE = 40,000' / 1"	DRAWN - D. JOHNSON	REVISED -
PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,**  
**AND EMERGENCY PREEMPTION SEQUENCE**  
**CLAVEY ROAD AND US41 NB RAMP**  
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	151
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)

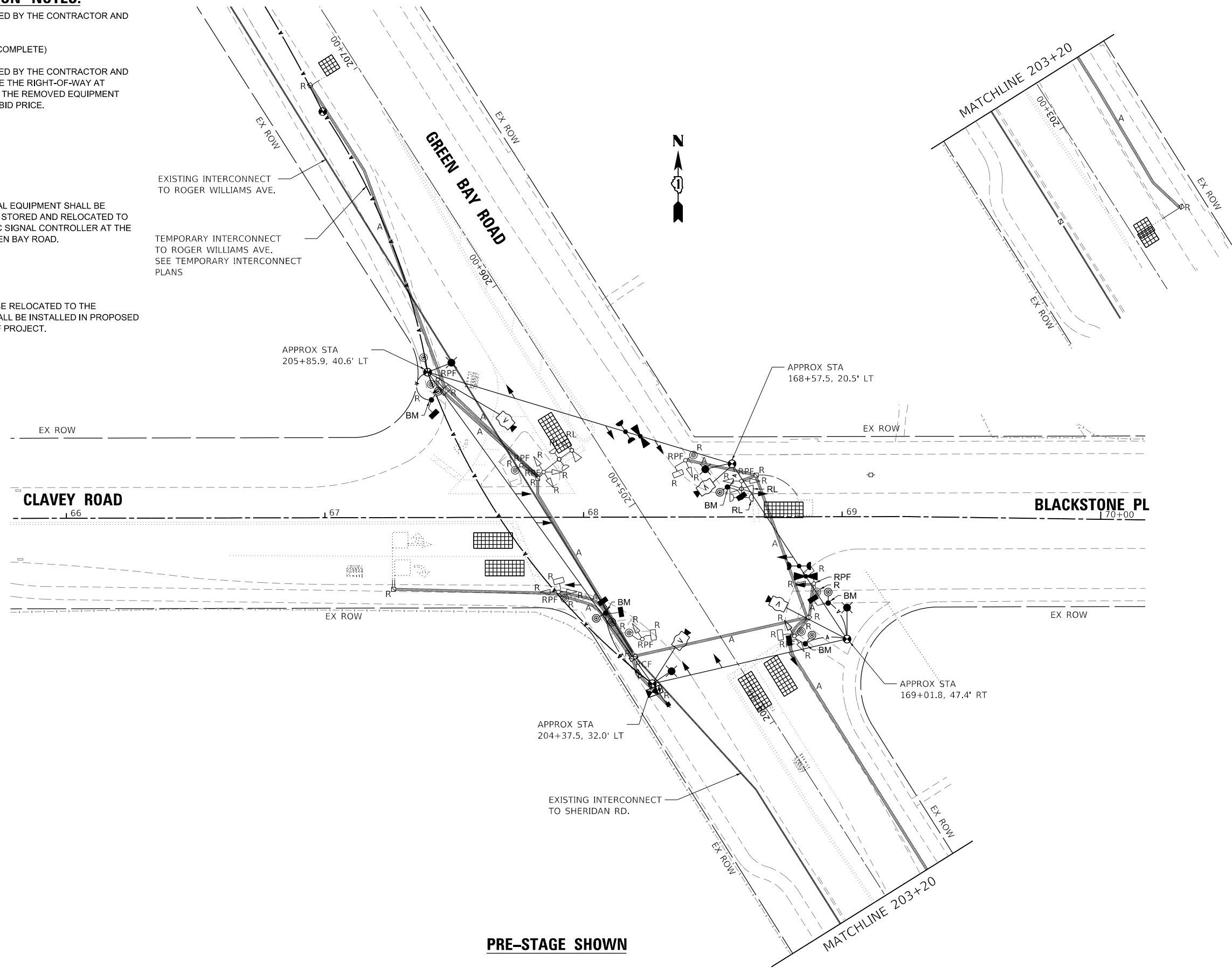
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH TRAFFIC SIGNAL POST
- 9 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER AT THE INTERSECTION OF CLAVEY ROAD AT GREEN BAY ROAD.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

EXISTING LCDOT SIGNAL SWITCH SHALL BE RELOCATED TO THE TEMPORARY SIGNAL CONTROLLER. IT SHALL BE INSTALLED IN PROPOSED SIGNAL CONTROLLER AT CONCLUSION OF PROJECT.



**PRE-STAGE SHOWN**



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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

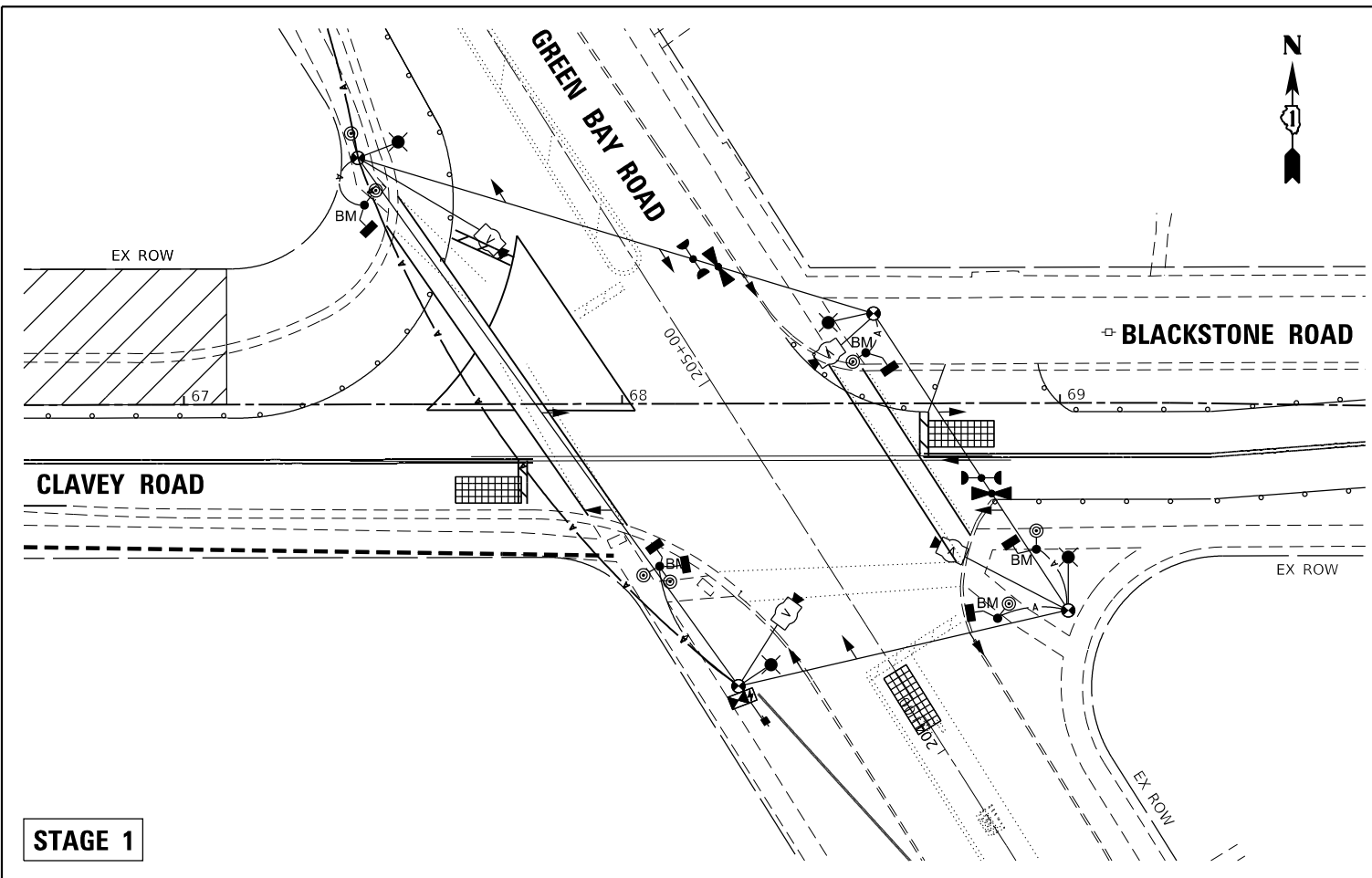
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 3)  
CLAVEY ROAD AND GREEN BAY ROAD**

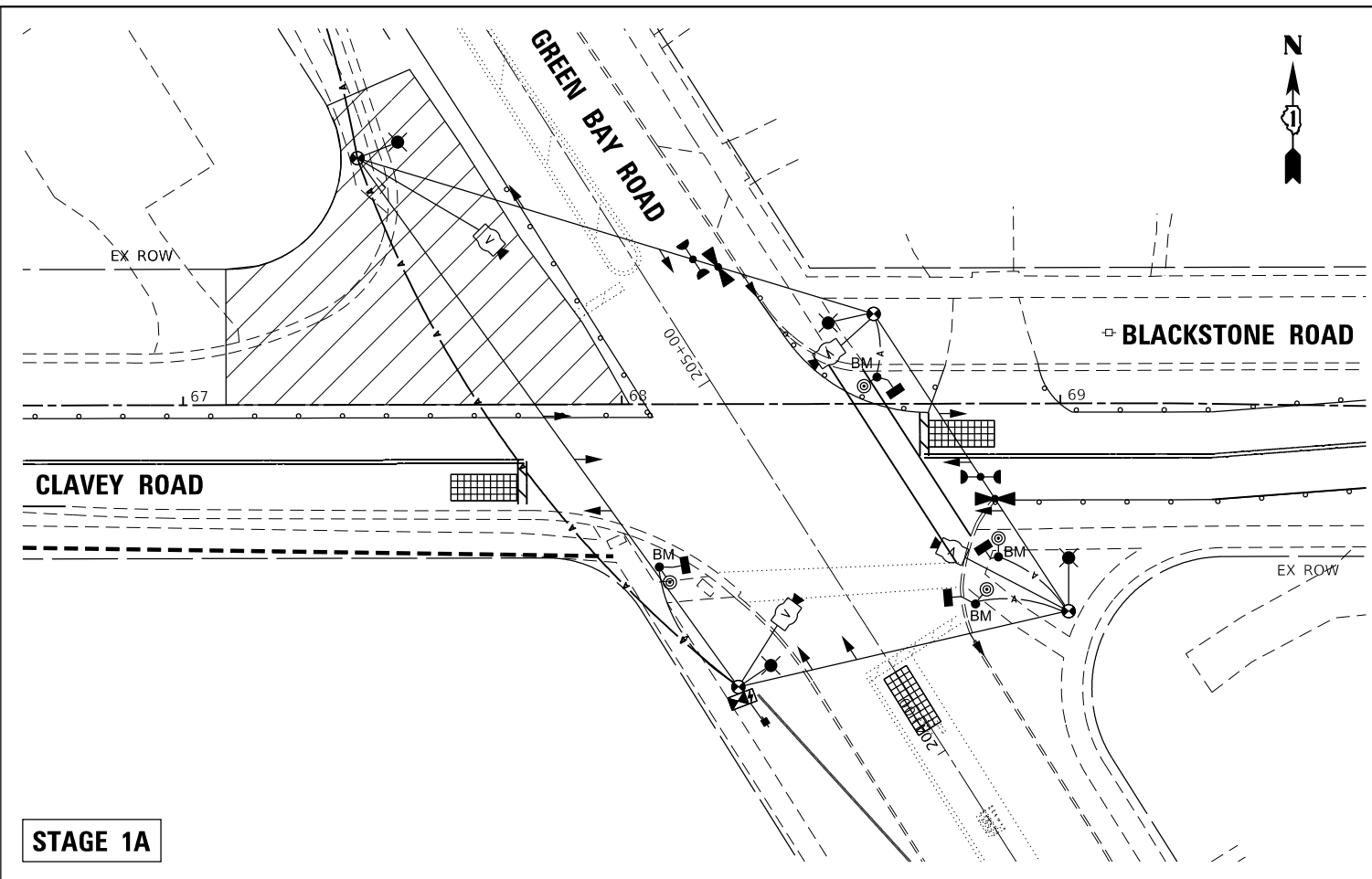
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	152
CONTRACT NO. 61G85				

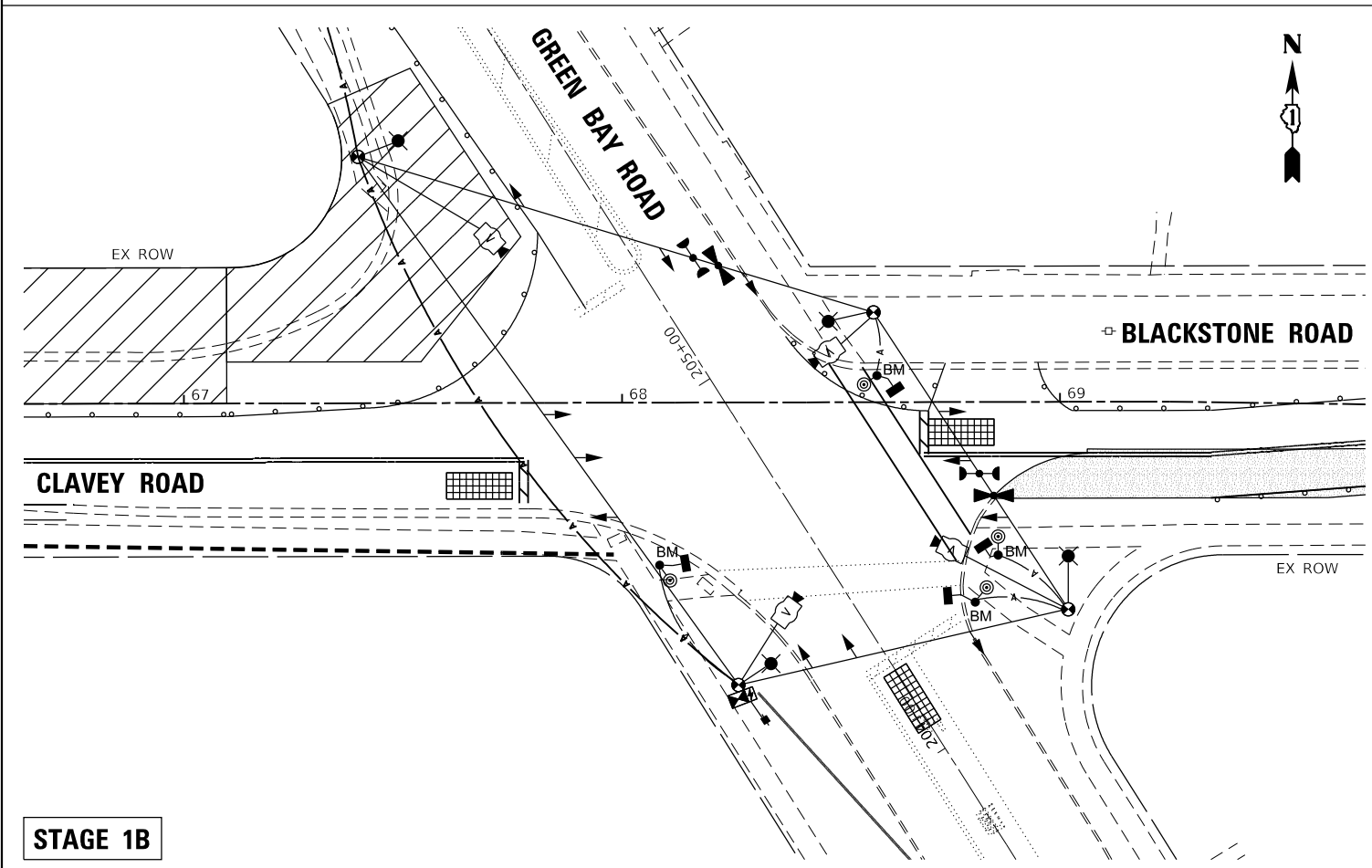
ILLINOIS FED. AID PROJECT



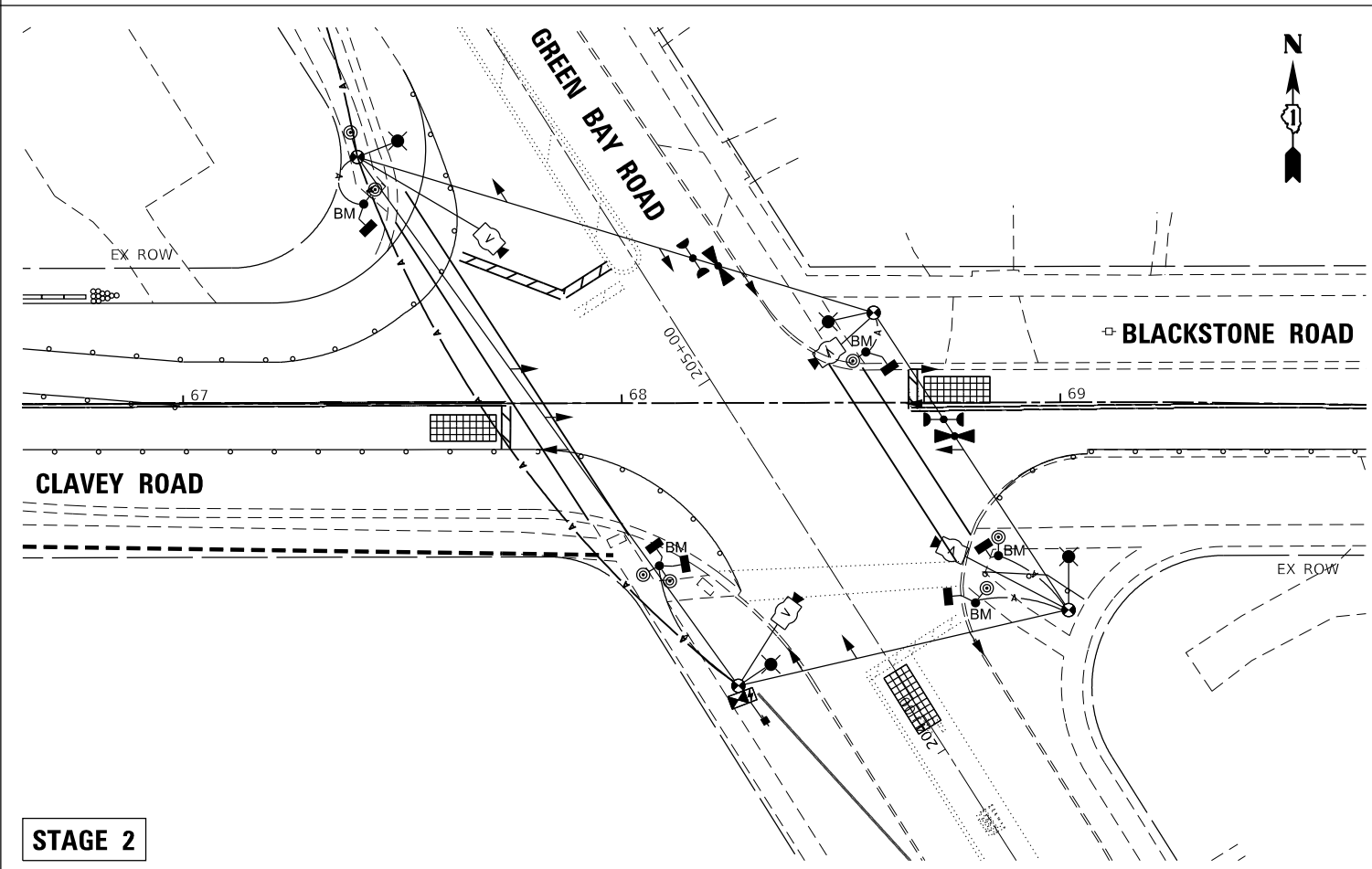
STAGE 1



STAGE 1A



STAGE 1B



STAGE 2

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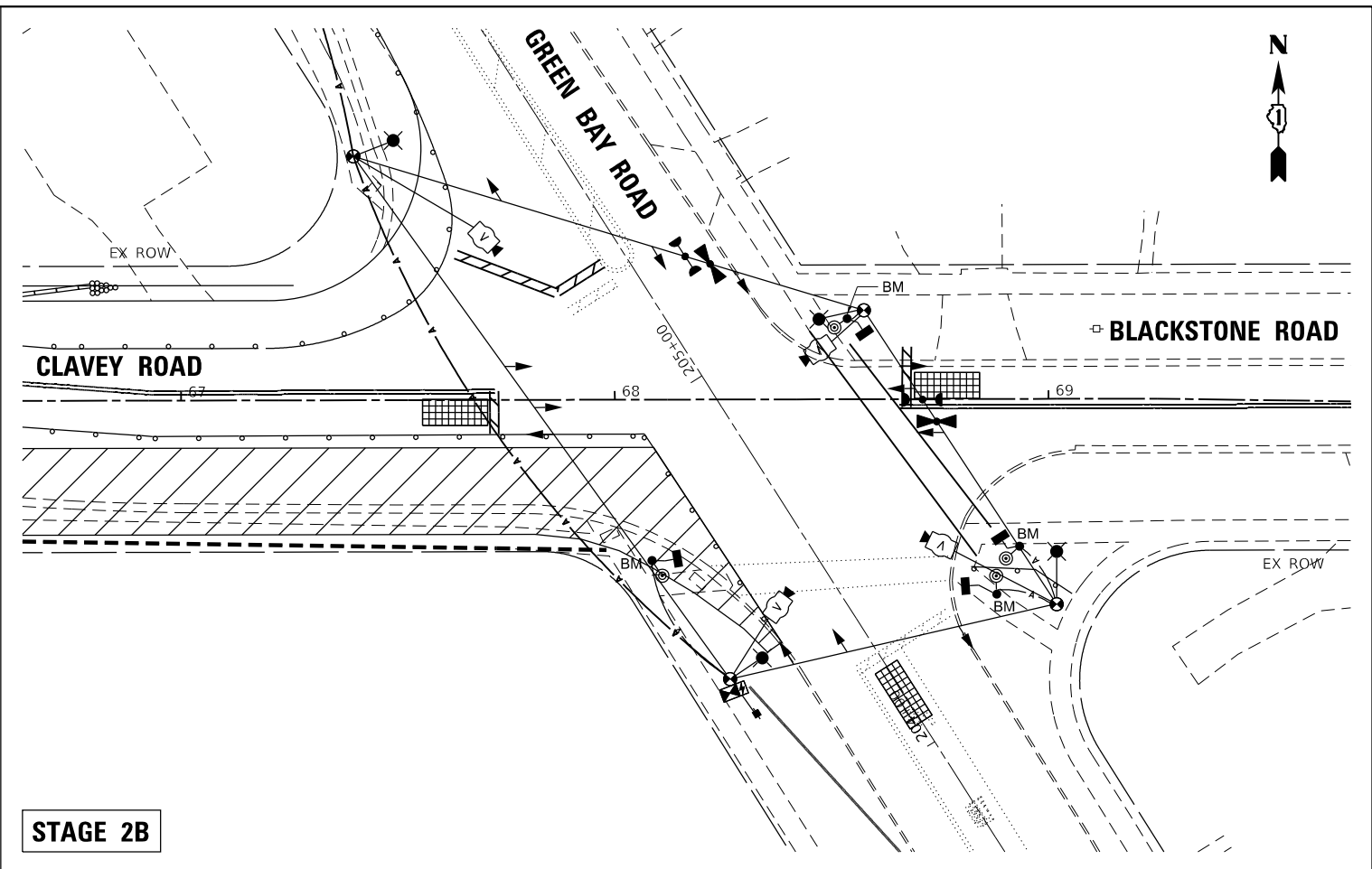
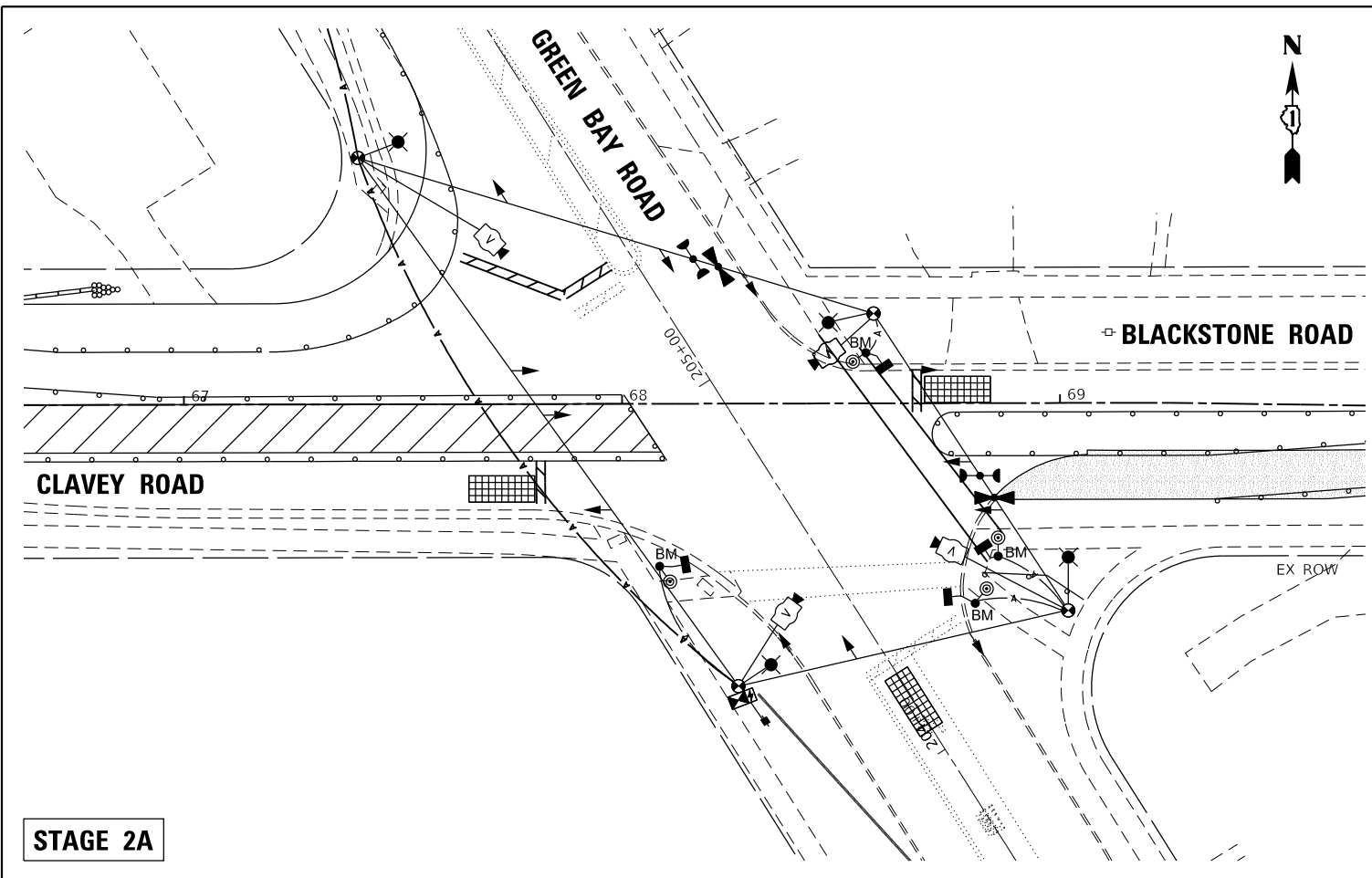
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PLOT SCALE = 40.0000' / 1"	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 3)  
CLAVEY ROAD AND GREEN BAY ROAD**

SCALE: 1" = 20'    SHEET NO. 1 OF 3 SHEETS    STA.    TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	153
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	



STAGE 2A

STAGE 2B

DATE PLOTTED = 9/17/2021 7:30:25 AM  
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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

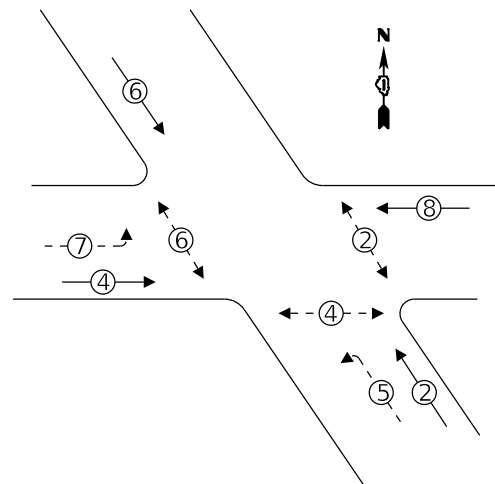
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN AND**  
**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 3 OF 3)**  
**CLAVEY ROAD AND GREEN BAY ROAD**

SCALE: 1" = 20'    SHEET NO. 3 OF 3 SHEETS    STA.    TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	154
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

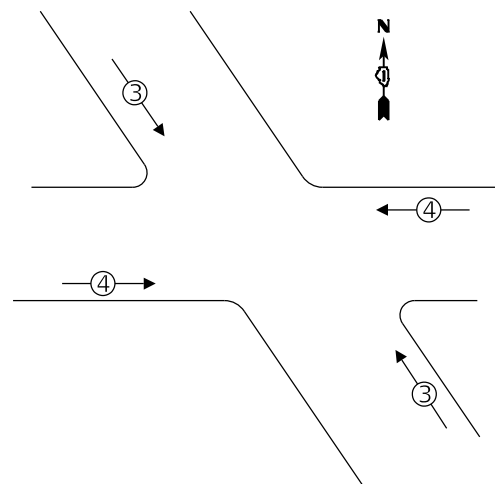
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OL OVERLAP

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**

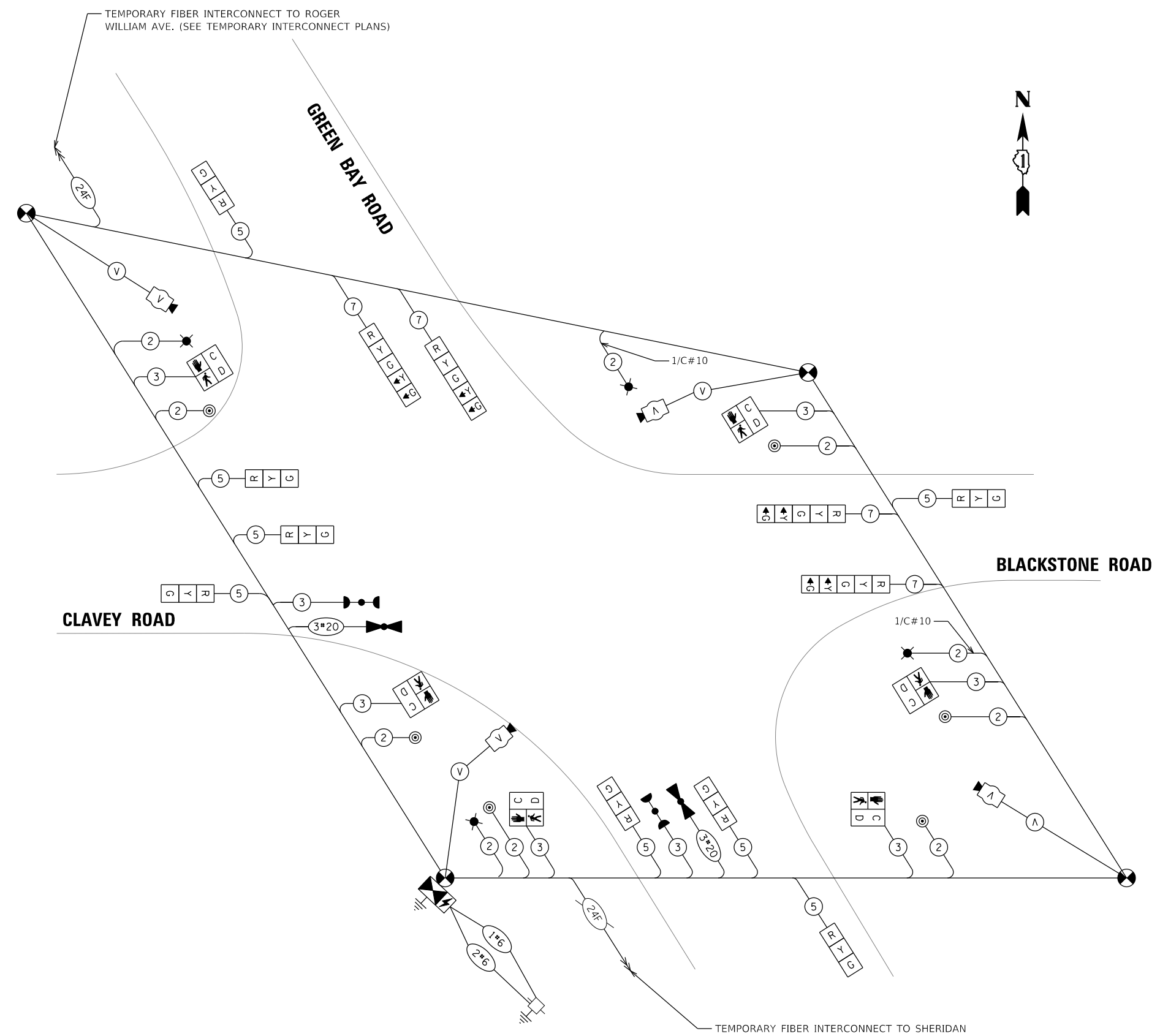


**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PROTECTED ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1045.8

ENERGY COSTS TO:  
 CITY OF HIGHLAND PARK  
 1707 ST JOHNS AVENUE  
 HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
 COMPANY: COMMONWEALTH EDISON  
 PHONE: (866) 639-3532  
 ACCOUNT NUMBER: ---



**CABLE PLAN  
PRESTAGE**

DATE PLOTTED = 9/17/2021 7:29:25 AM  
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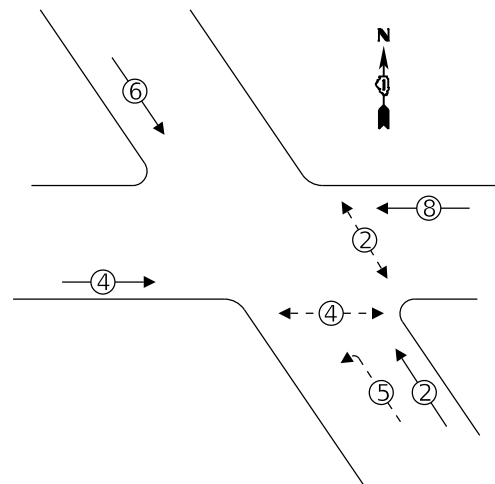
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PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE  
CLAVEY ROAD AND GREEN BAY ROAD – PRESTAGE**

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 155
SCALE: 1" = 20'			SHEET NO. 1 OF 3 SHEETS STA. TO STA.	
CONTRACT NO. 61G85				

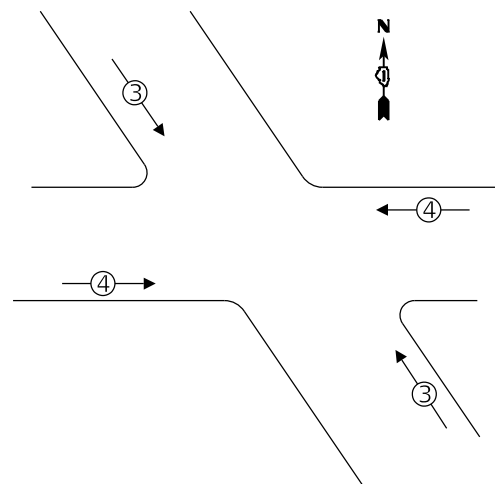
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



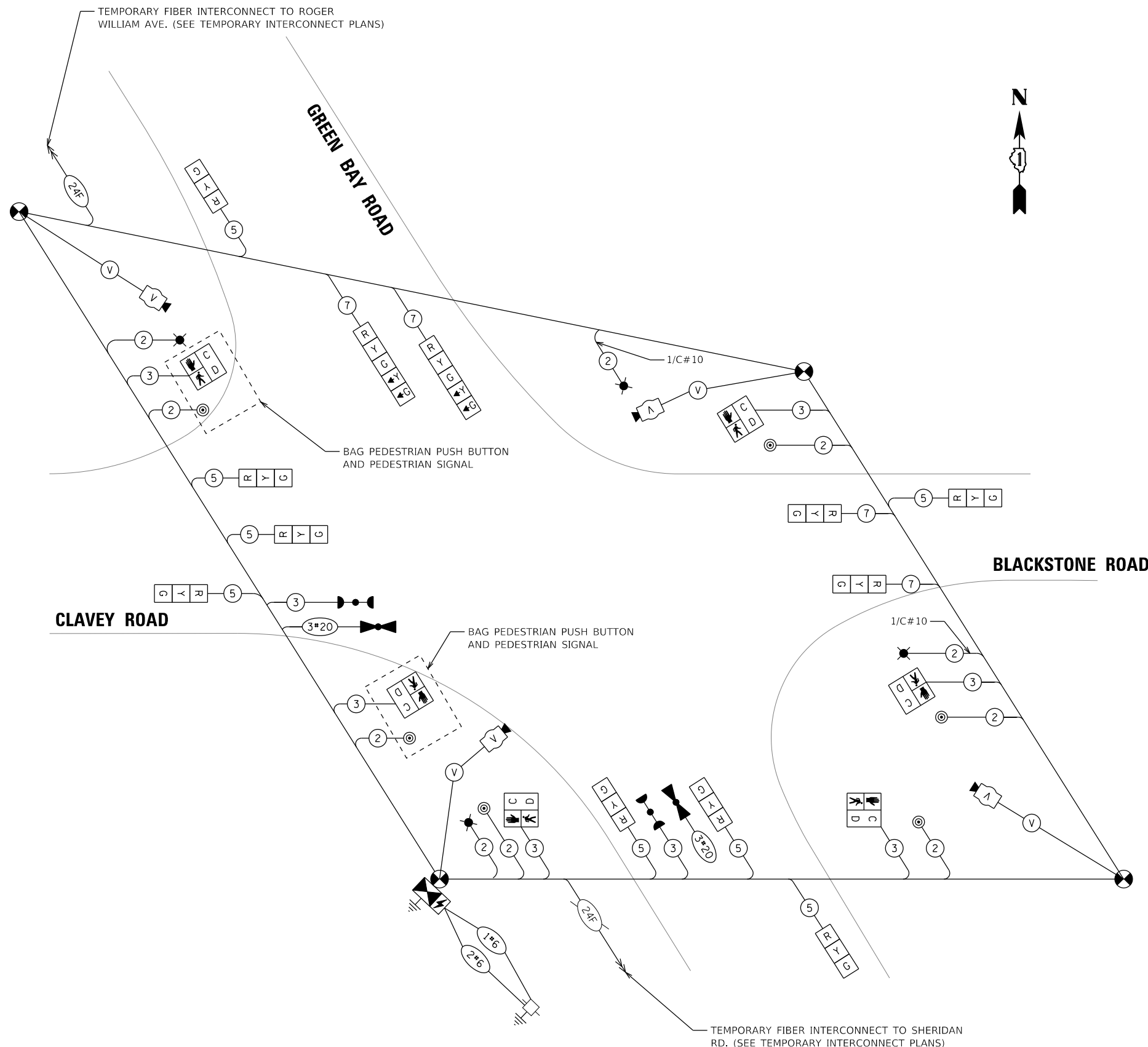
**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PROTECTED ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1045.8

ENERGY COSTS TO:

CITY OF HIGHLAND PARK  
1707 ST JOHNS AVENUE  
HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
COMPANY: COMMONWEALTH EDISON  
PHONE: (866) 639-3532  
ACCOUNT NUMBER: ---



**CABLE PLAN  
STAGE 1A, 1B, 2A, 2B**

DATE PLOTTED = 9/17/2021 7:29:26 AM  
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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
PLOT SCALE = 40,0000' / 1"	DRAWN - D. JOHNSON	REVISED -
PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

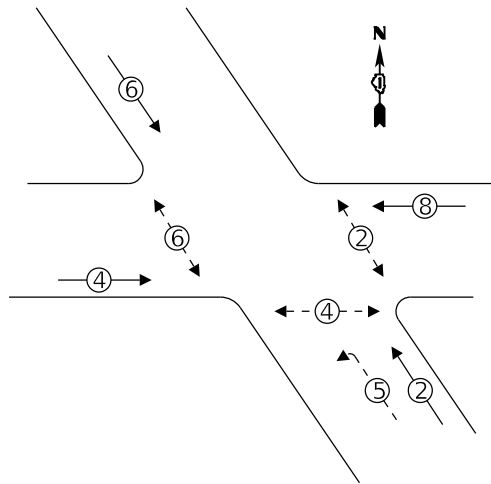
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE  
CLAVEY ROAD AND GREEN BAY ROAD - STAGE 1A, 1B, 2A, 2B**

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 156
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.



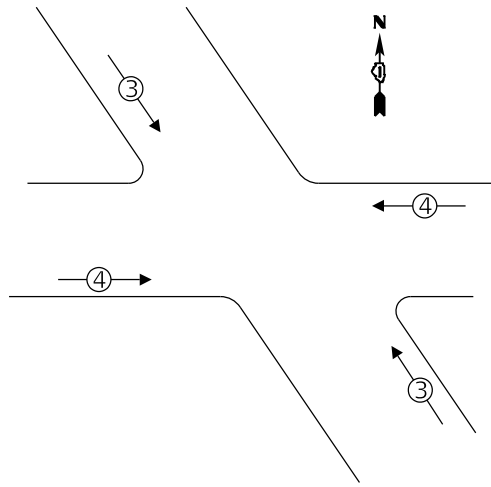
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



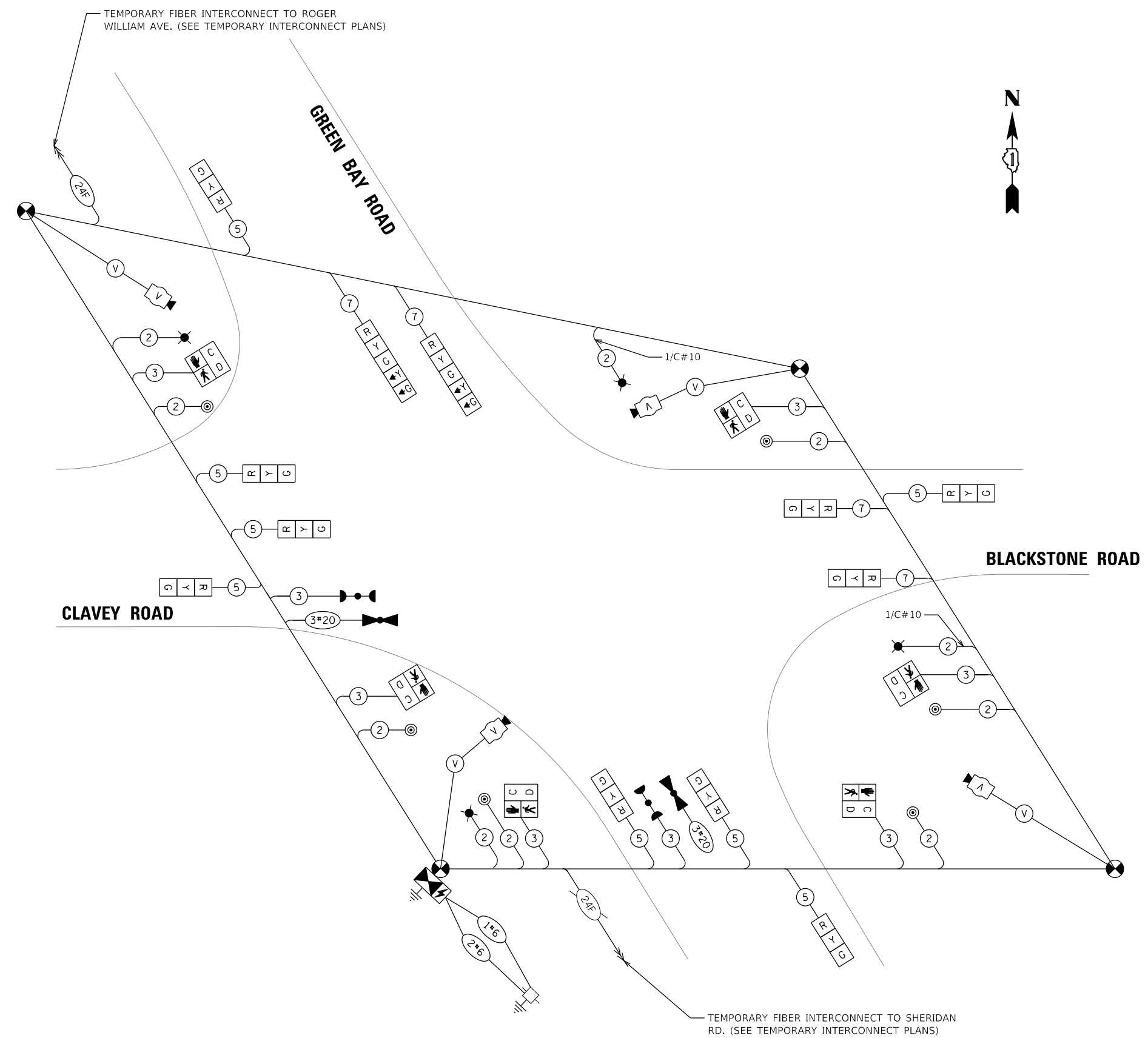
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PROTECTED ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1045.8

ENERGY COSTS TO:

CITY OF HIGHLAND PARK  
1707 ST JOHNS AVENUE  
HIGHLAND PARK, IL 60035

ENERGY SUPPLY CONTACT: NEW BUSINESS  
COMPANY: COMMONWEALTH EDISON  
PHONE: (866) 639-3532  
ACCOUNT NUMBER: ---



**CABLE PLAN  
STAGE 1 AND 2**

DATE PLOTTED = 9/17/2021 7:29:26 AM  
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USER NAME = Roadway  
DESIGNED - D. JOHNSON  
DRAWN - D. JOHNSON  
PLOT SCALE = 40,0000' / in.  
PLOT DATE = 9/17/2021

DESIGNED - D. JOHNSON  
DRAWN - D. JOHNSON  
CHECKED - J. VONDR  
DATE - 9/1/2021

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE  
CLAVEY ROAD AND GREEN BAY ROAD - STAGE 1 AND 2**

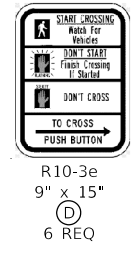
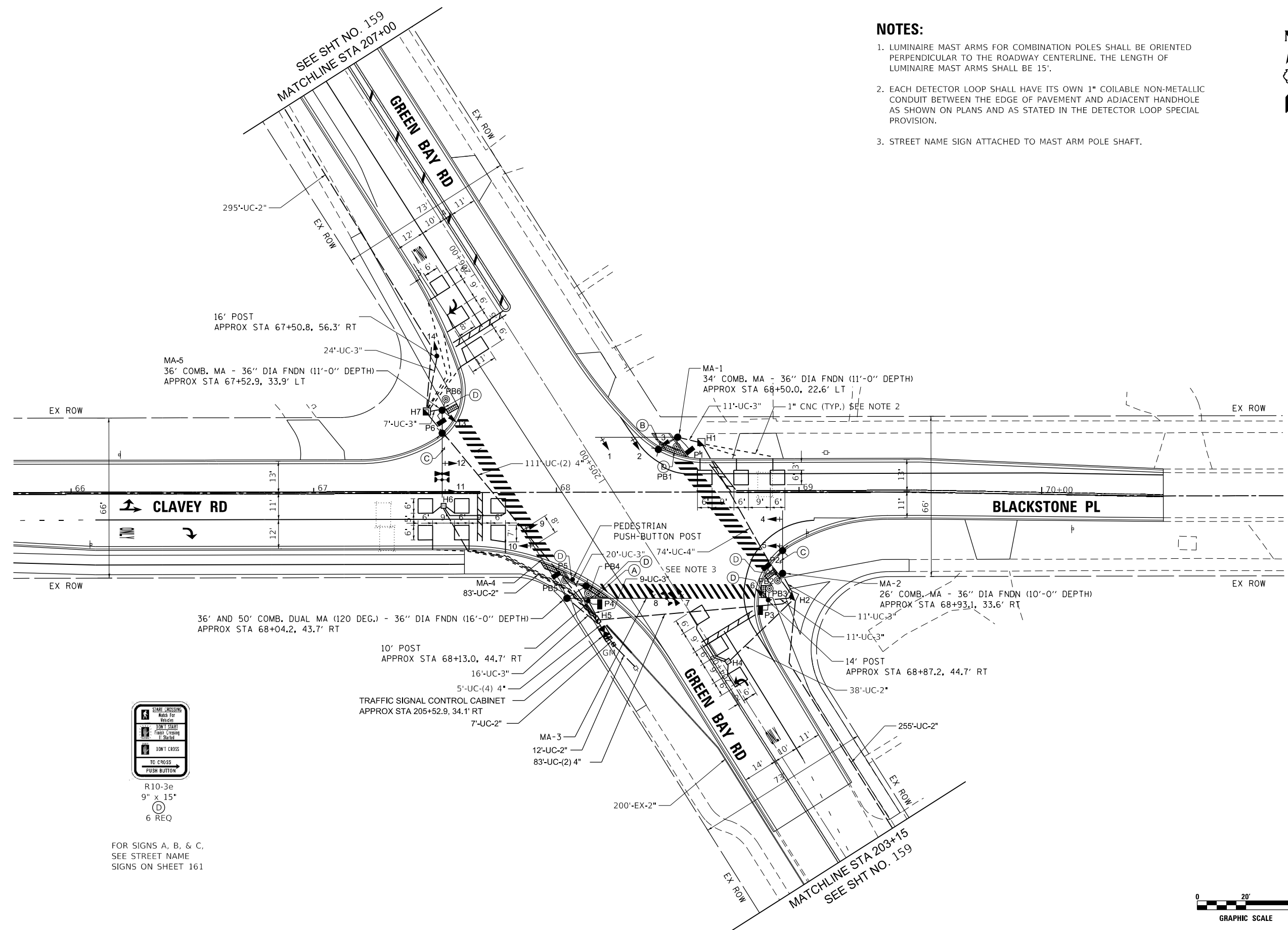
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	157
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.



**NOTES:**

- LUMINAIRE MAST ARMS FOR COMBINATION POLES SHALL BE ORIENTED PERPENDICULAR TO THE ROADWAY CENTERLINE. THE LENGTH OF LUMINAIRE MAST ARMS SHALL BE 15'.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND ADJACENT HANDHOLE AS SHOWN ON PLANS AND AS STATED IN THE DETECTOR LOOP SPECIAL PROVISION.
- STREET NAME SIGN ATTACHED TO MAST ARM POLE SHAFT.



FOR SIGNS A, B, & C,  
SEE STREET NAME  
SIGNS ON SHEET 161



DATE PLOTTED = 9/17/2021 7:39:27 AM  
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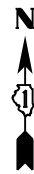
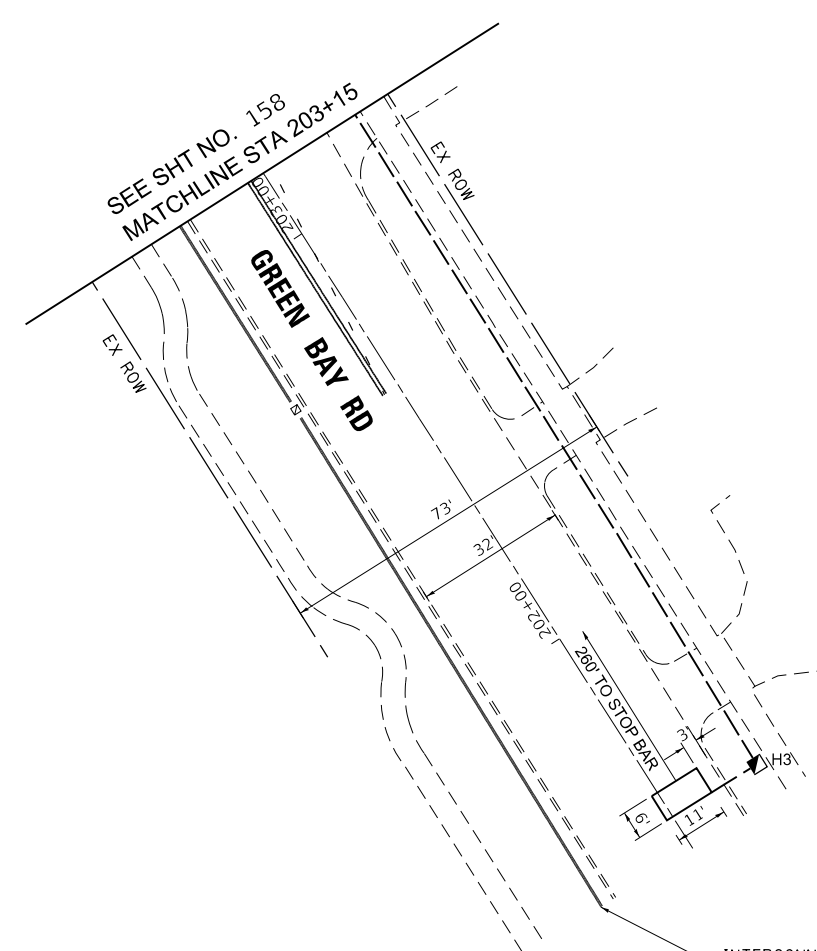
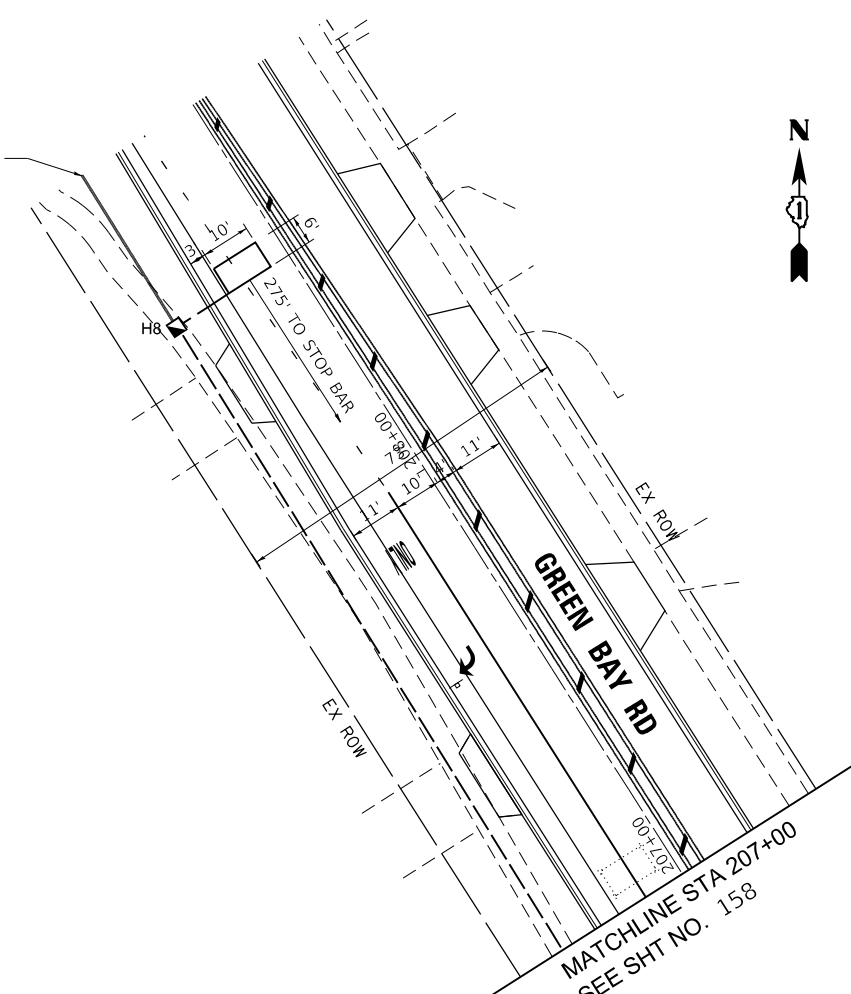
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	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

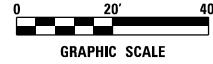
**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**TRAFFIC SIGNAL PLAN**  
**CLAVEY ROAD AND GREEN BAY ROAD**  
 SCALE: 1" = 20'    SHEET NO. 1 OF 2 SHEETS    STA.    TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	158
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				

INTERCONNECT TO  
ROGER WILLIAMS AVE.



INTERCONNECT TO LAKE COOK RD



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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

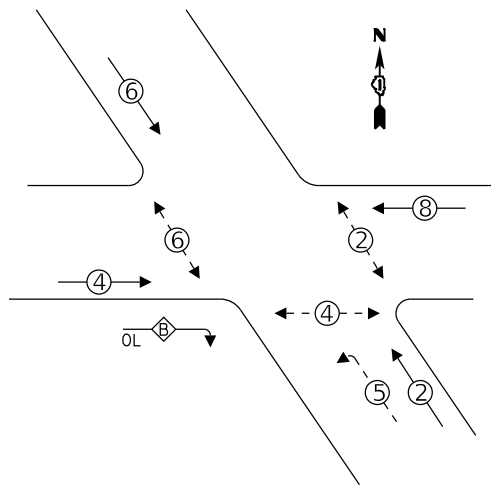
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**TRAFFIC SIGNAL PLAN**  
**CLAVEY ROAD AND GREEN BAY ROAD**

SCALE: 1" = 20'    SHEET NO. 2 OF 2 SHEETS    STA.    TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	159
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**

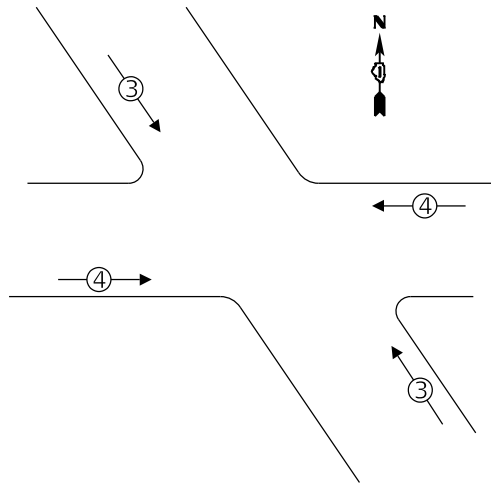


**LEGEND:**

- ⊙ - PROTECTED PHASE
- ⊙ - PROTECTED/PERMITTED PHASE
- ⊙ - PEDESTRIAN PHASE
- ⊙ OL - OVERLAP

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE  
 B = 4 + 5

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



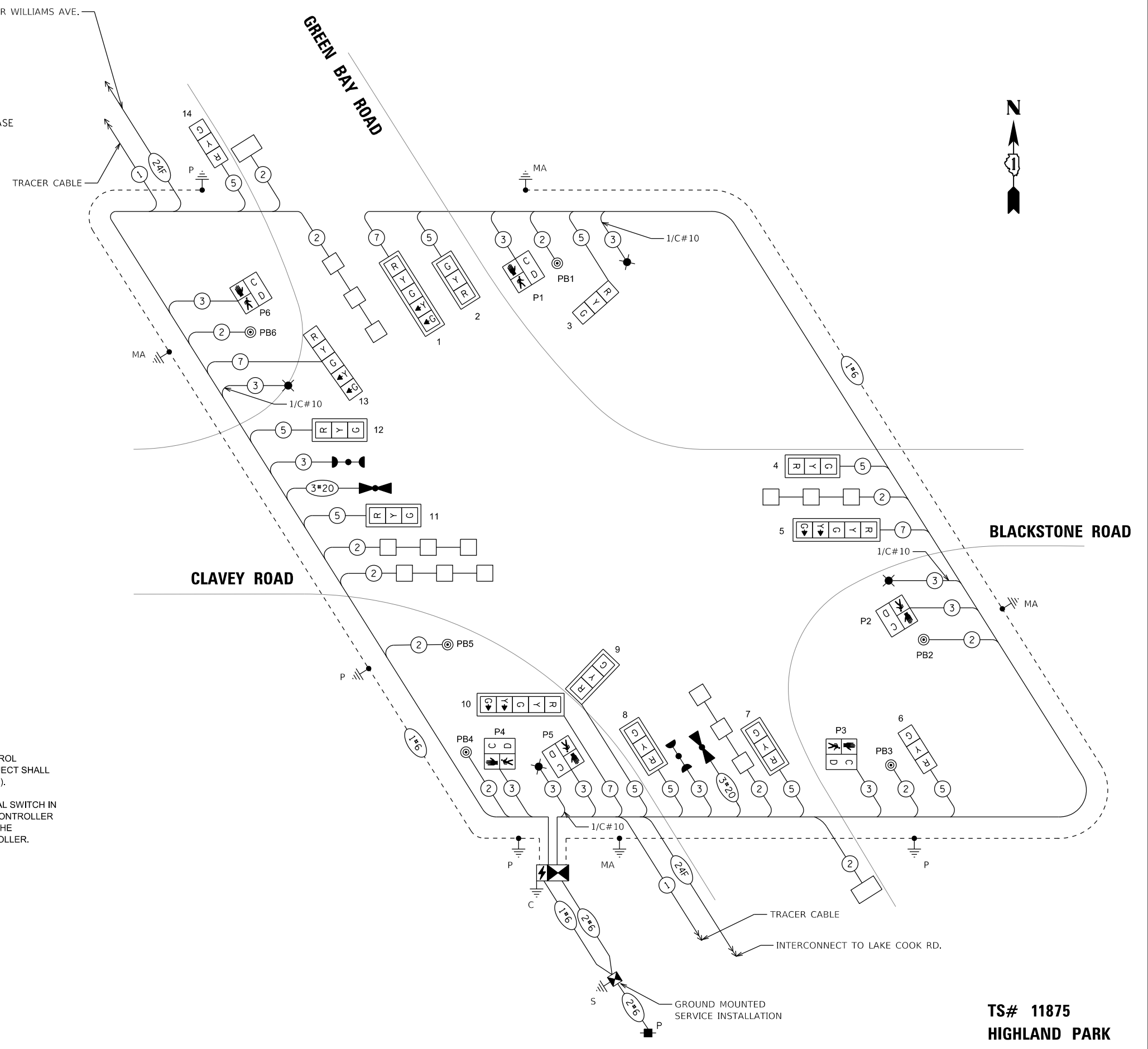
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PROTECTED ARROW	20	10	10	20.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREEN NAME SIGN	-	120	100	-
LUMINAIRE	4	150	50	300.0
TOTAL =				731.6

ENERGY COSTS TO:  
 CITY OF HIGHLAND PARK  
 1707 ST JOHNS AVENUE  
 HIGHLAND PARK, IL 60035  
 ENERGY SUPPLY CONTACT: NEW BUSINESS  
 COMPANY: COMMONWEALTH EDISON  
 PHONE: (866) 639-3532  
 ACCOUNT NUMBER: ---

**NOTES:**

1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).
2. THE EXISTING LCDOT SIGNAL SWITCH IN THE TEMPORARY SIGNAL CONTROLLER SHALL BE RELOCATED TO THE PROPOSED SIGNAL CONTROLLER.



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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
PLOT SCALE = 40,000' / 1"	DRAWN - D. JOHNSON	REVISED -
PLOT DATE = 9/17/2021	CHECKED - J. VONDRA	REVISED -
	DATE - 9/1/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
 AND EMERGENCY PREEMPTION SEQUENCE  
 CLAVEY ROAD AND GREEN BAY ROAD

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

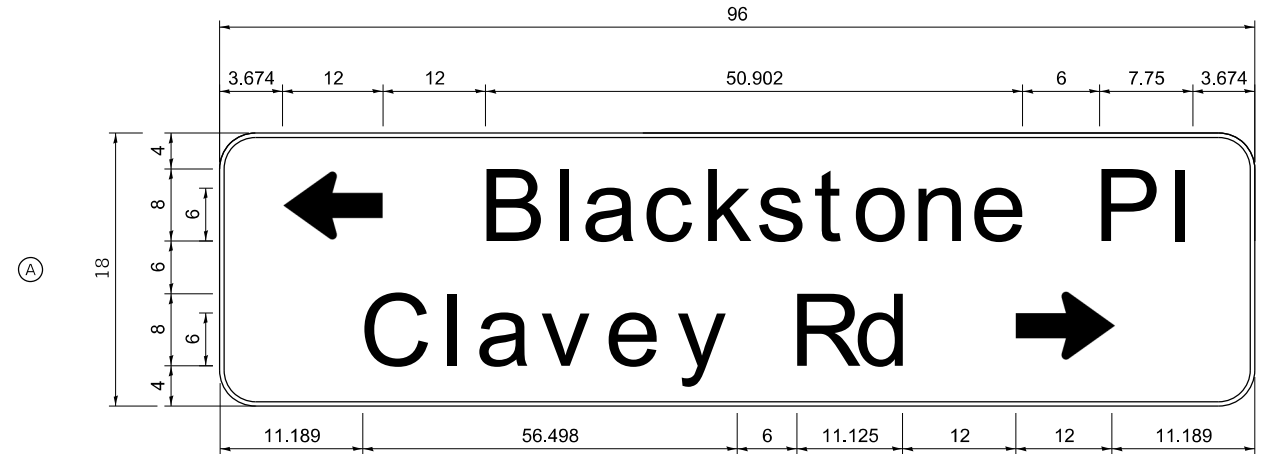
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	160
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

TS# 11875  
 HIGHLAND PARK

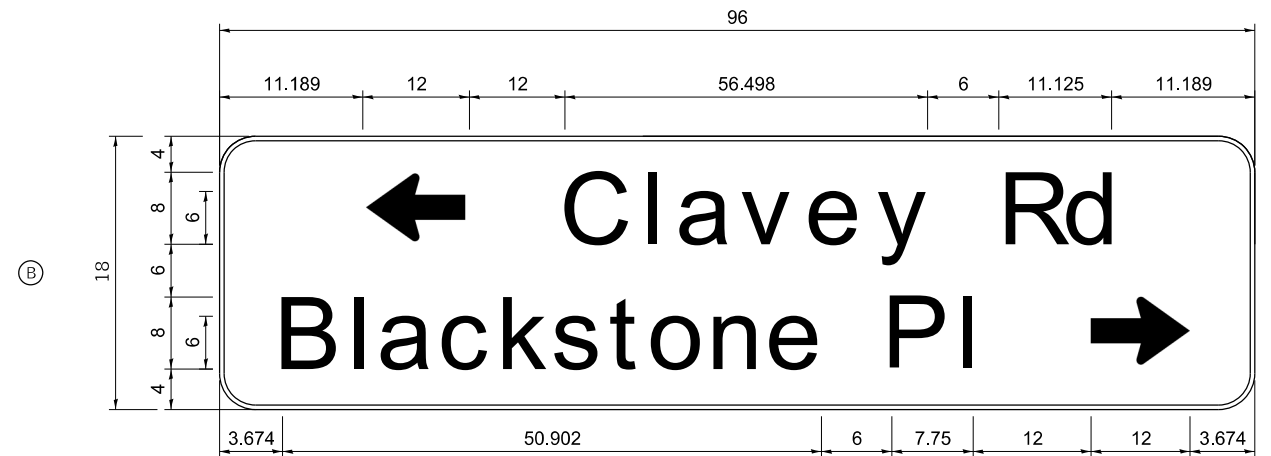
**SCHEDULE OF QUANTITIES**

DESCRIPTION	UNIT	TOTAL
SIGN PANEL - TYPE 2	SQ FT	60
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	688
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	109
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	462
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,394
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
PAINT NEW TRAFFIC SIGNAL POST	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	3
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	747
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,070
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,406
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	978
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,418
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	55
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	640
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	545
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	316
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	1
PAINT NEW MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 1-UNDER 40 FEET, 1-OVER 40 FEET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 36 FT. AND 50 FT.	EACH	1

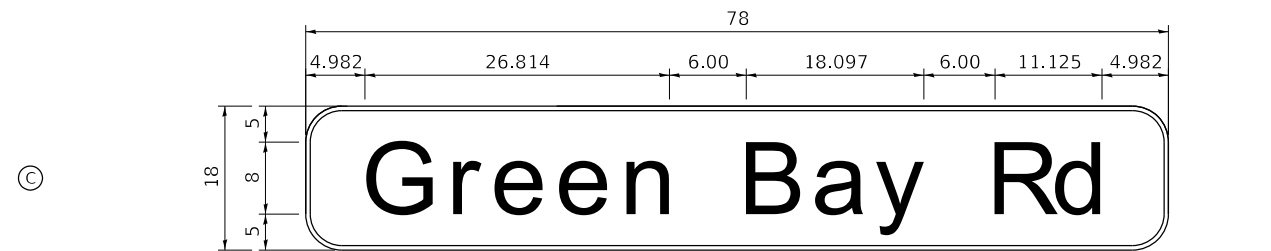
**SIGN PANEL - TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20.00	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20.00	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

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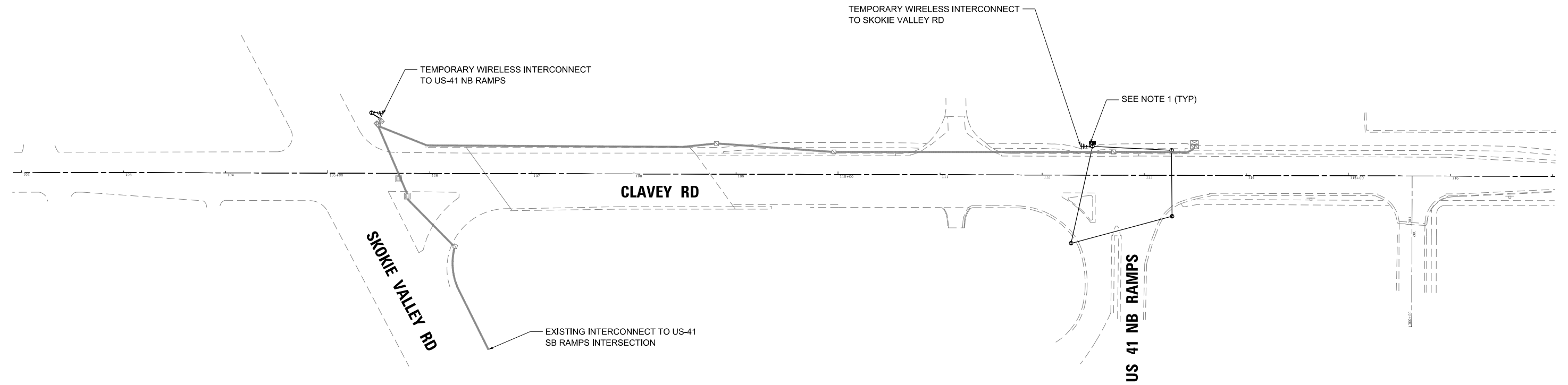
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PLOT SCALE = 40.0000' / 1"	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
SCHEDULE OF QUANTITIES AND STREET NAME SIGNS  
CLAVEY ROAD AND GREEN BAY ROAD**

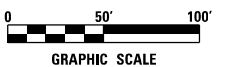
FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	161
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.



**NOTES:**

1. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR TEMPORARY SIGNAL EQUIPMENT LOCATIONS.



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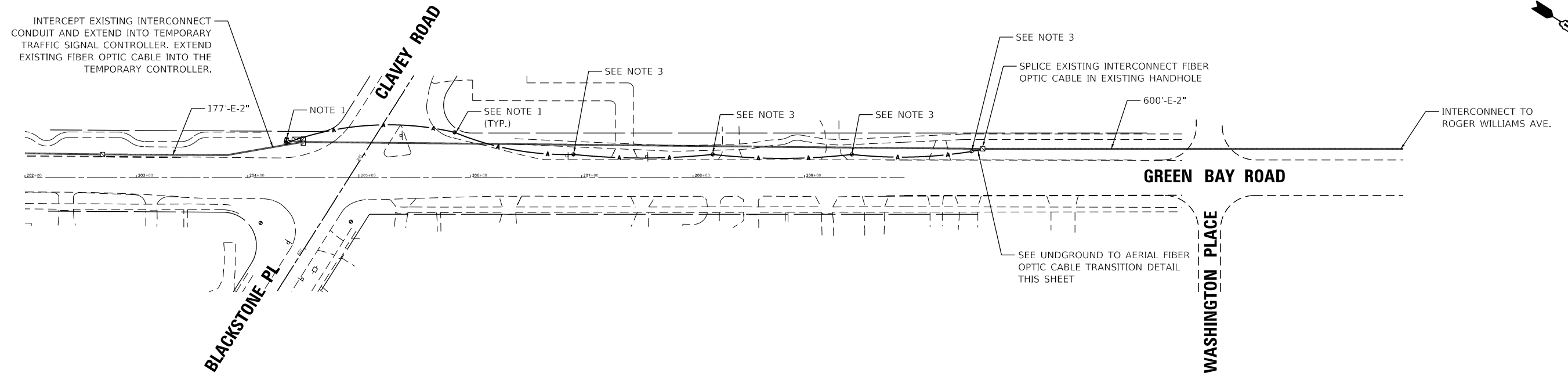
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**  
**CLAVEY ROAD**  
**SKOKIE VALLEY RD TO US-41 NB RAMP**

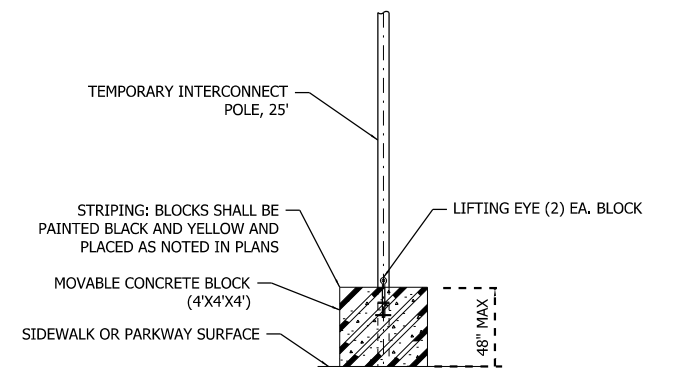
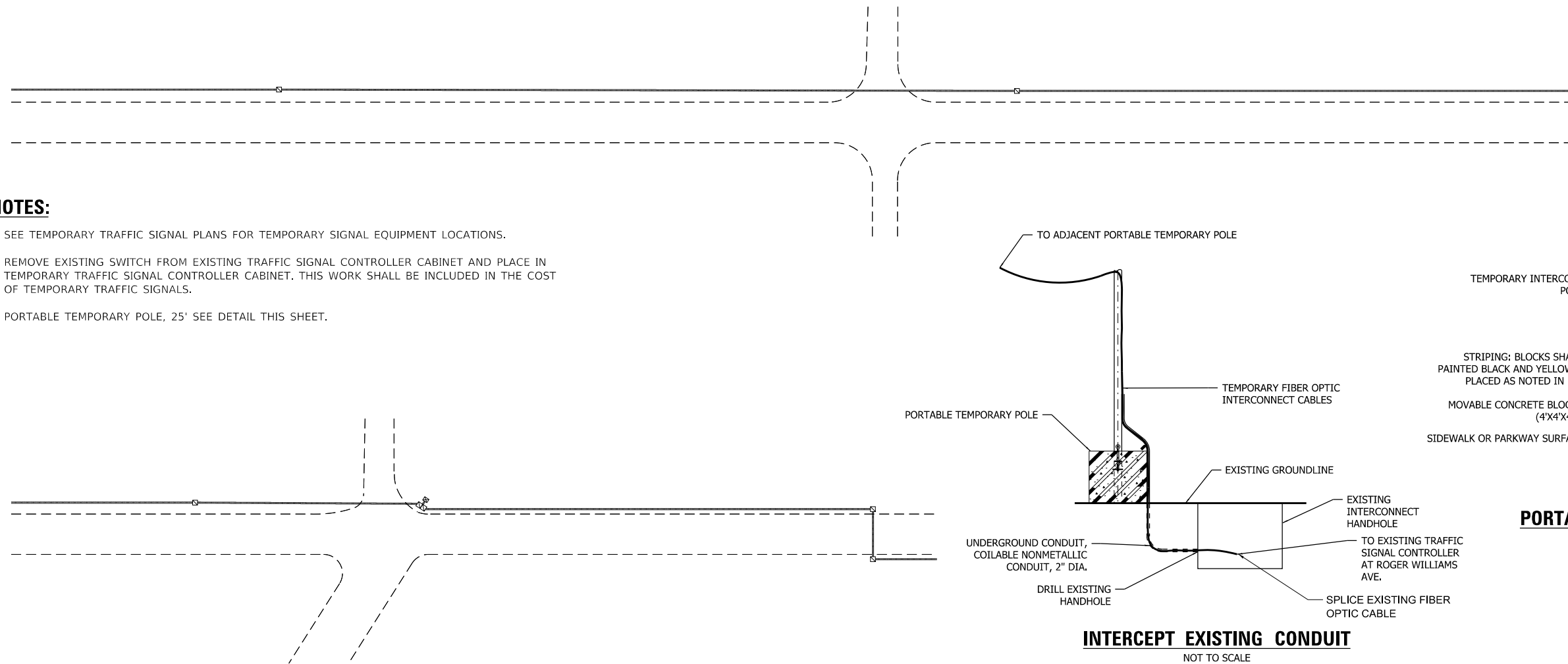
SCALE: 1" = 50'    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				

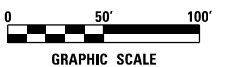


**NOTES:**

1. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR TEMPORARY SIGNAL EQUIPMENT LOCATIONS.
2. REMOVE EXISTING SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINET AND PLACE IN TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNALS.
3. PORTABLE TEMPORARY POLE, 25' SEE DETAIL THIS SHEET.



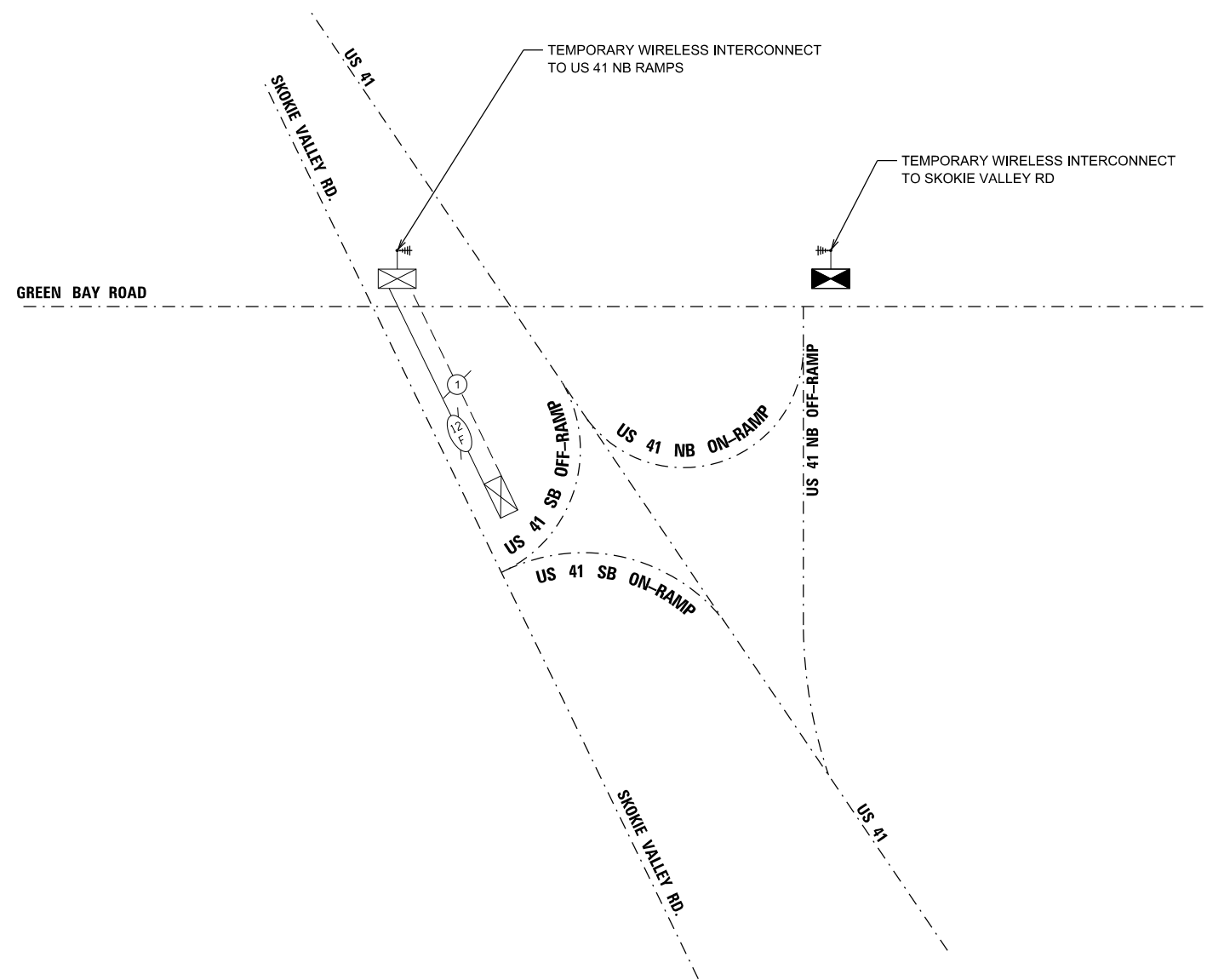
**PORTABLE TEMPORARY POLE, 25'**  
NOT TO SCALE



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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	163
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				



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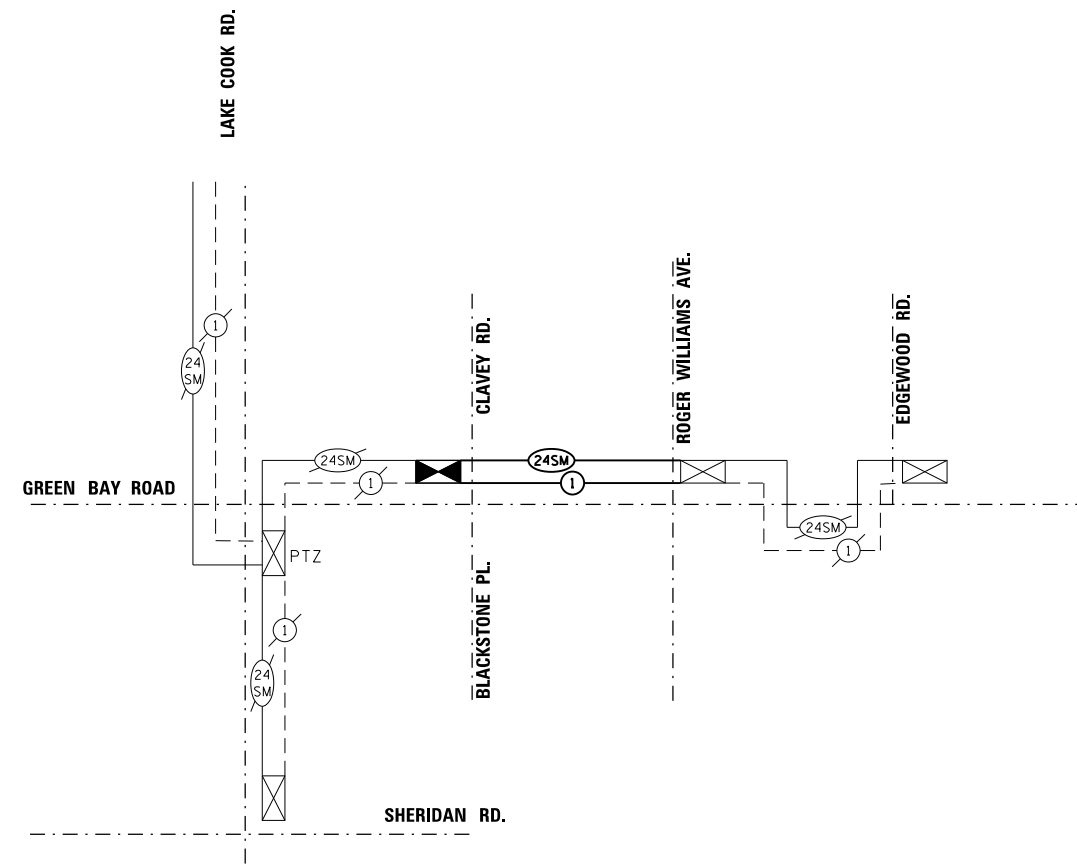
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
TEMPORARY INTERCONNECT SCHEMATIC**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	164
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				





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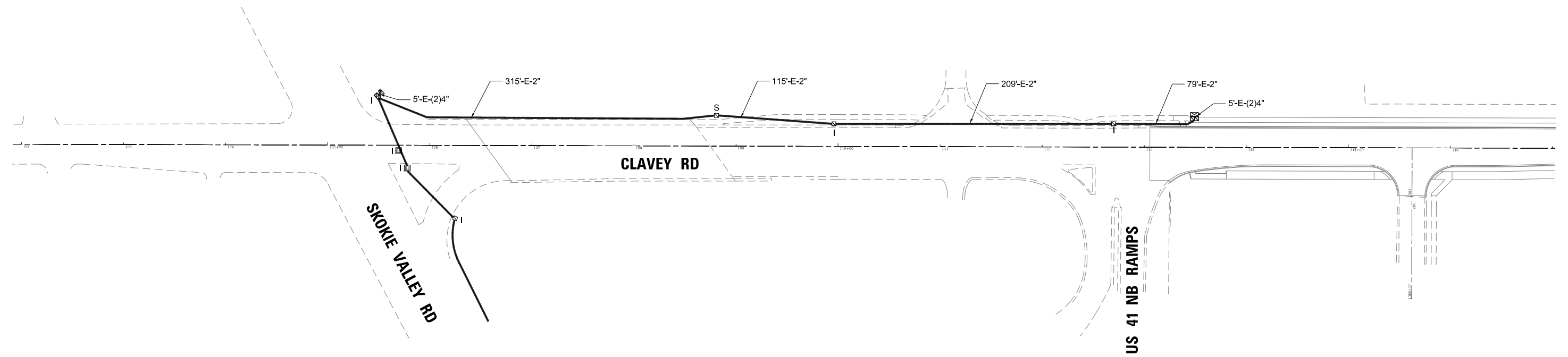
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	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**TEMPORARY INTERCONNECT SCHEMATIC**

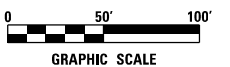
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	165
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR TEMPORARY SIGNAL EQUIPMENT LOCATIONS.



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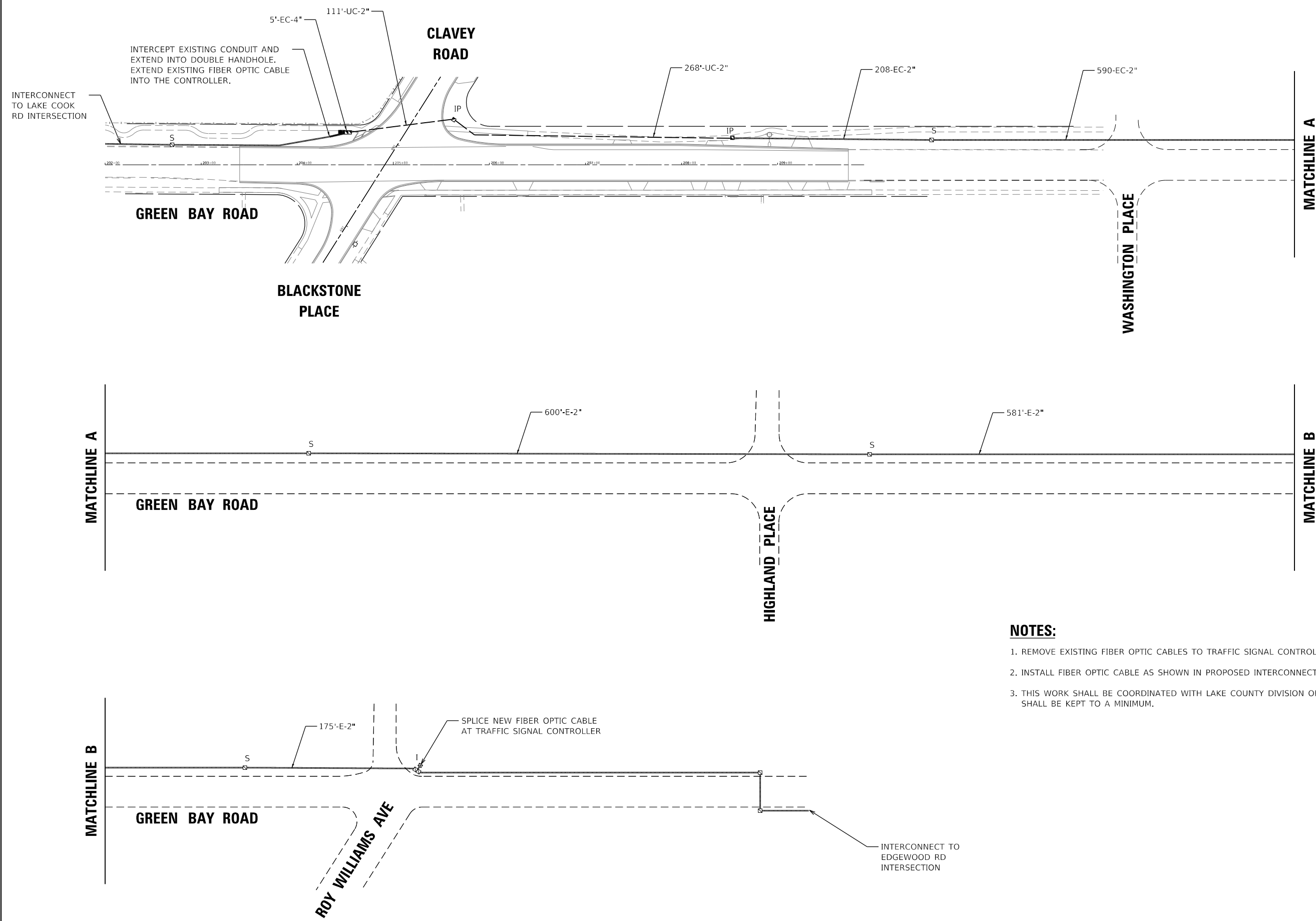
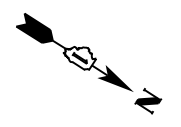


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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT PLAN</b> <b>CLAVEY ROAD</b> <b>SKOKIE VALLEY RD TO US-41 NB RAMPS</b>			
SCALE: 1" = 50'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	166
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				



INTERCEPT EXISTING CONDUIT AND EXTEND INTO DOUBLE HANDHOLE. EXTEND EXISTING FIBER OPTIC CABLE INTO THE CONTROLLER.

INTERCONNECT TO LAKE COOK RD INTERSECTION

GREEN BAY ROAD

BLACKSTONE PLACE

CLAVEY ROAD

WASHINGTON PLACE

HIGHLAND PLACE

GREEN BAY ROAD

GREEN BAY ROAD

ROY WILLIAMS AVE

SPLICE NEW FIBER OPTIC CABLE AT TRAFFIC SIGNAL CONTROLLER

INTERCONNECT TO EDGEWOOD RD INTERSECTION

MATCHLINE A

MATCHLINE B

**NOTES:**

1. REMOVE EXISTING FIBER OPTIC CABLES TO TRAFFIC SIGNAL CONTROLLER AT ROY WILLIAMS AVE.
2. INSTALL FIBER OPTIC CABLE AS SHOWN IN PROPOSED INTERCONNECT SCHEMATIC.
3. THIS WORK SHALL BE COORDINATED WITH LAKE COUNTY DIVISION OF TRANSPORTATION. OUTAGES SHALL BE KEPT TO A MINIMUM.

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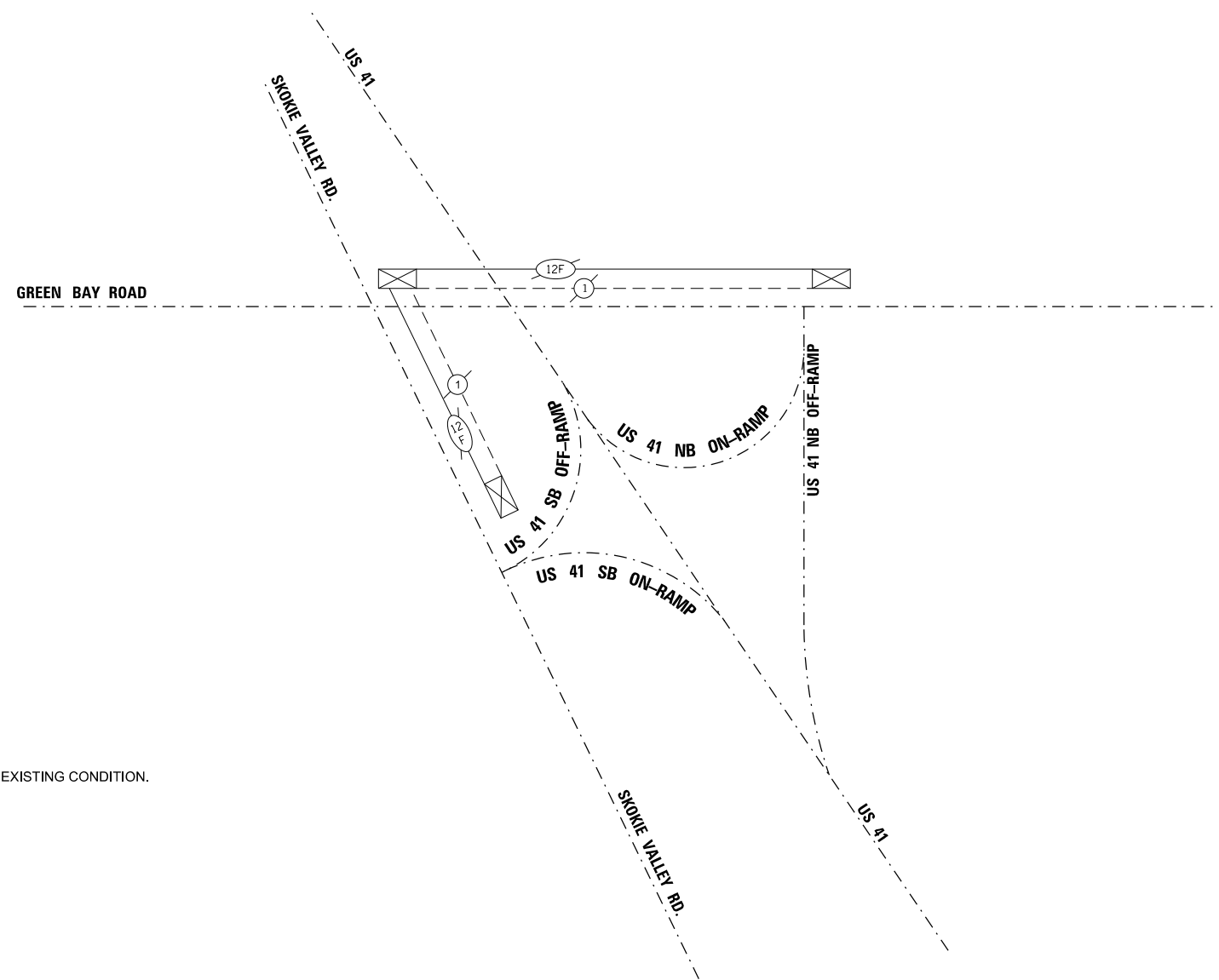
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	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN  
GREEN BAY ROAD  
CLAVEY ROAD TO ROY WILLIAMS AVENUE

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	167
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	



**NOTES:**

1. PROPOSED INTERCONNECT PLAN RETURNS INTERCONNECT OPERATIONS TO THE EXISTING CONDITION.

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	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

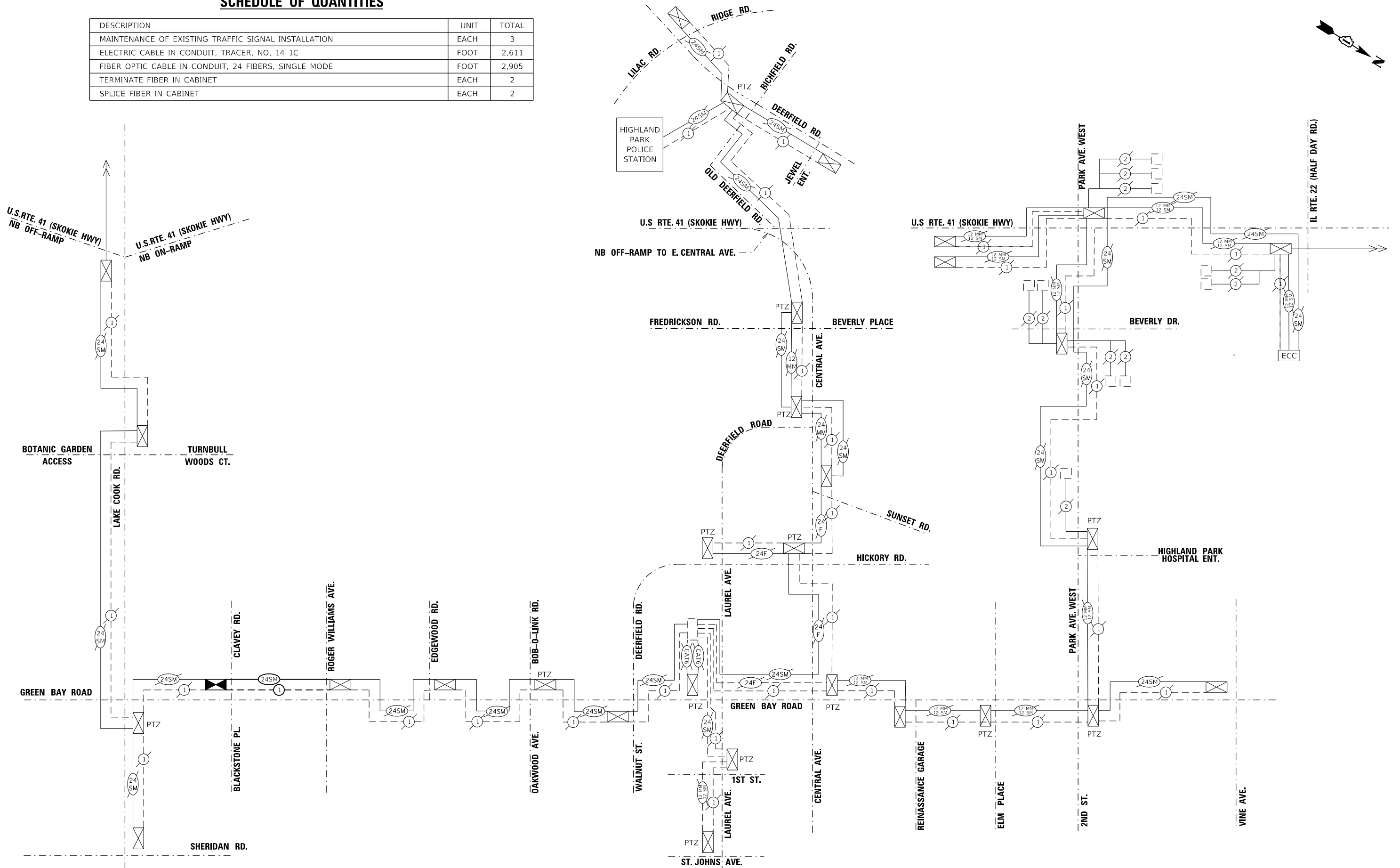
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
INTERCONNECT SCHEMATIC**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	168
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

### SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,611
FIBER OPTIC CABLE IN CONDUIT, 24 FIBERS, SINGLE MODE	FOOT	2,905
TERMINATE FIBER IN CABINET	EACH	2
SPLICE FIBER IN CABINET	EACH	2



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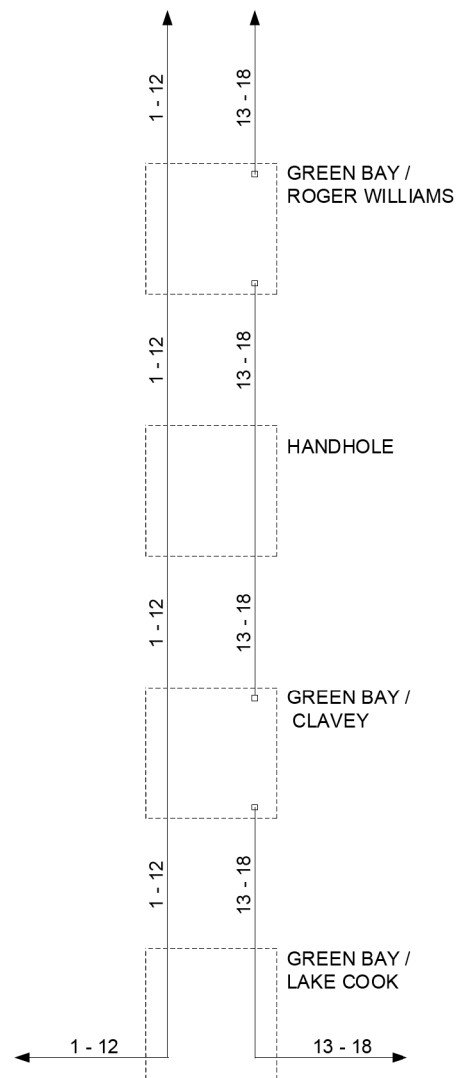
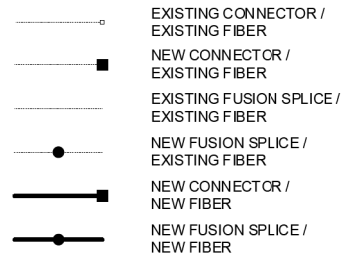
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

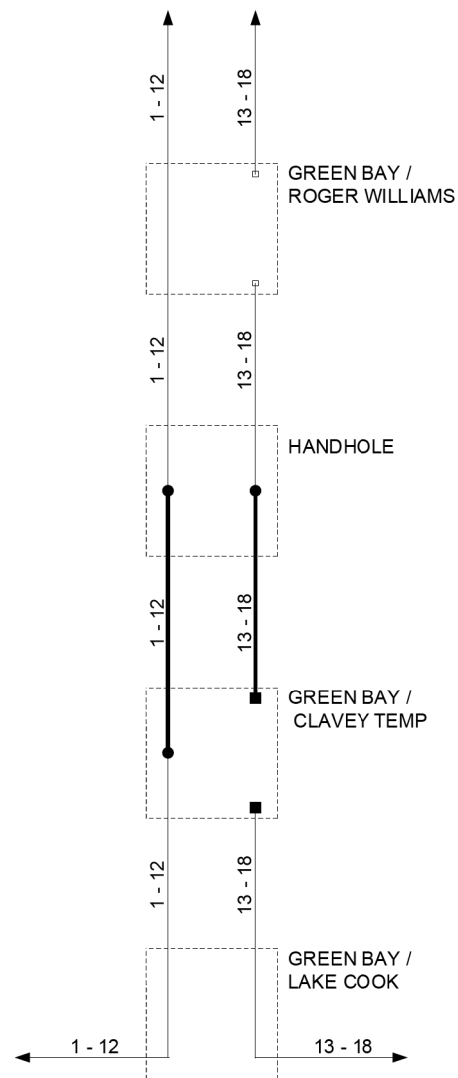
**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**INTERCONNECT SCHEMATIC**

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

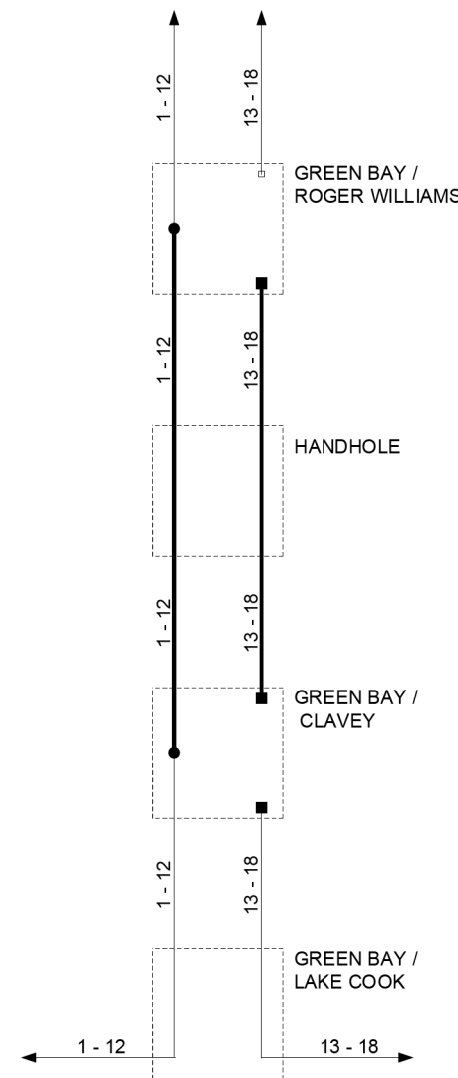
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	169
CONTRACT NO.			61G85	
ILLINOIS FED. AID PROJECT				



EXISTING



TEMP



FINAL

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE 2021.08.25	REVISED -

LAKE COUNTY  
DIVISION OF TRANSPORTATION

GREEN BAY / CLAVEY  
FIBER SPLICING DIAGRAM

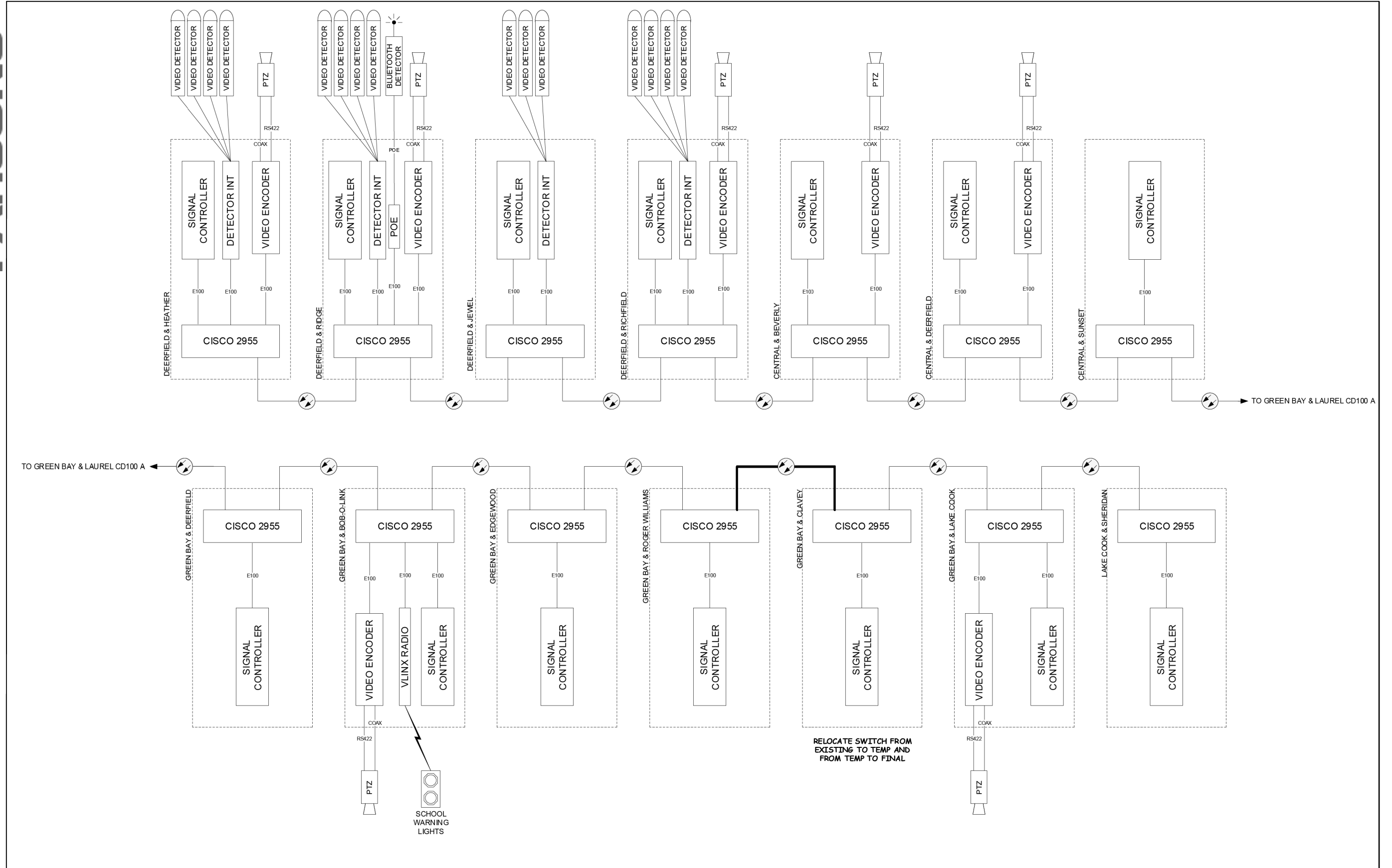
ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS

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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	170
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

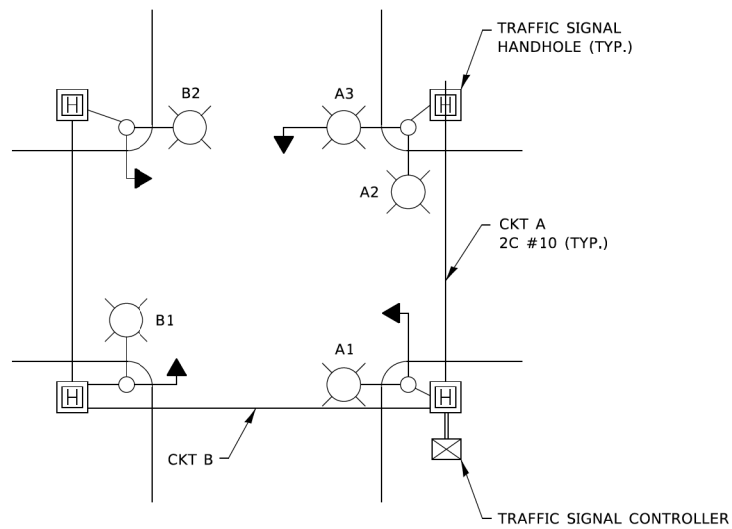


DESIGNED - DG	REVISED -	LAKE COUNTY DIVISION OF TRANSPORTATION	100B	ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
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CHECKED - DG	REVISED -		SCALE N/A					
DATE 2021.08.25	REVISED -							

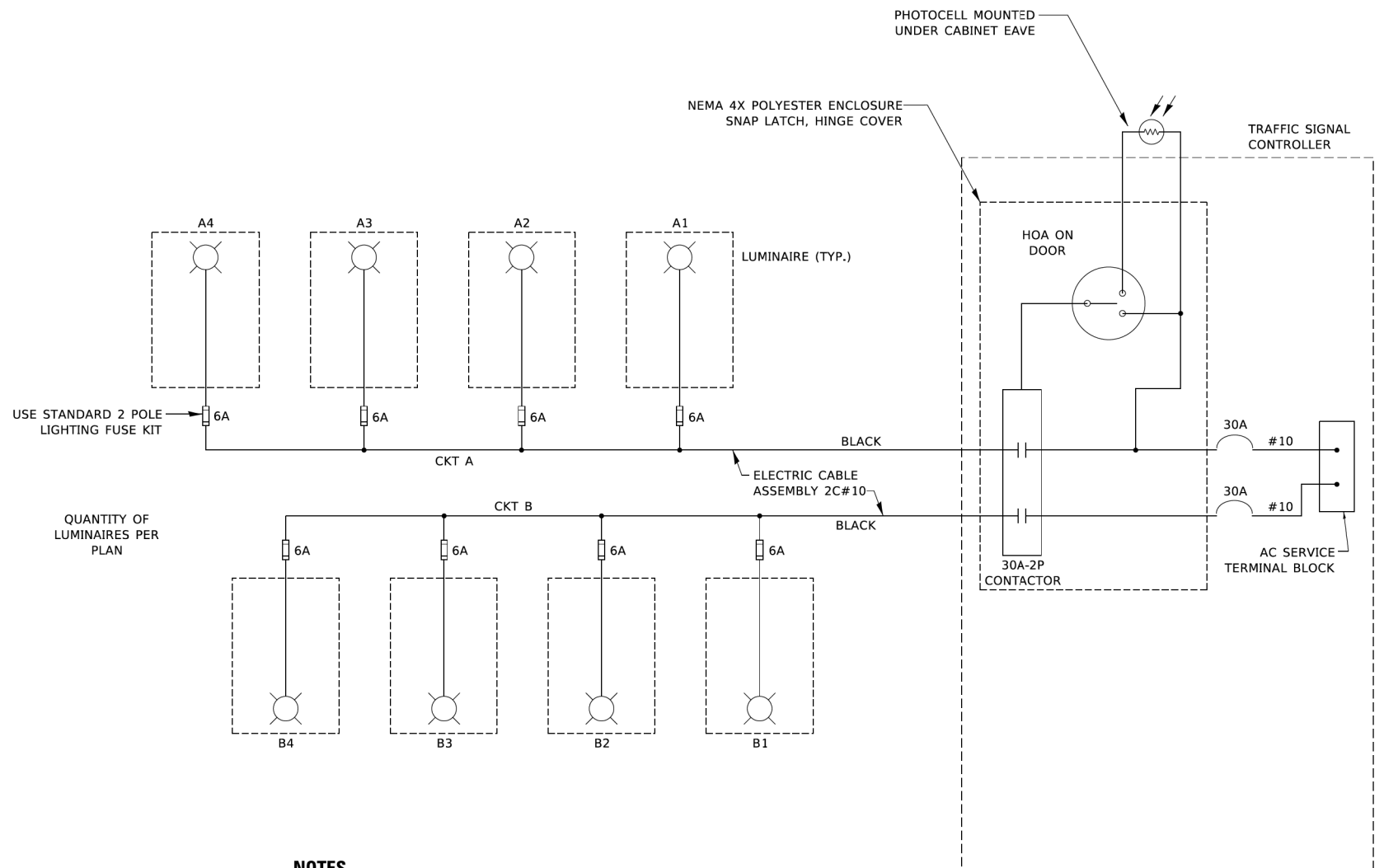
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	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	171
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	



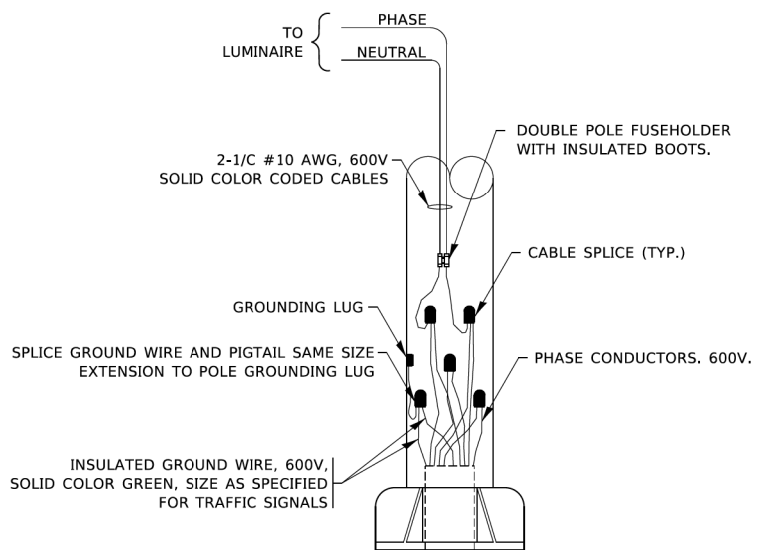
**TYPICAL LIGHTING CIRCUIT**  
(NOT TO SCALE)



QUANTITY OF LUMINAIRES PER PLAN

**NOTES**

- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- ALL CONTROLLERS TO HAVE TWO CIRCUIT BREAKERS.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
- THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
- LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
- COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
- LUMINAIRE VOLTAGE SHALL BE 120V



**COMBINATION POLE WIRING DETAIL**  
(NOT TO SCALE)

USER NAME = footemj	DESIGNED - RT	REVISED - 02/10/2015
	DRAWN -	REVISED - 10/13/2015
PLOT SCALE = 50.0000" / in.	CHECKED - RT	REVISED - T.G. 4/12/2017
PLOT DATE = 10/7/2019	DATE - 08/18/2014	REVISED - R. TOMSONS 3/22/18

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>BE-240</b>			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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

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	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 2.0000" / in.	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

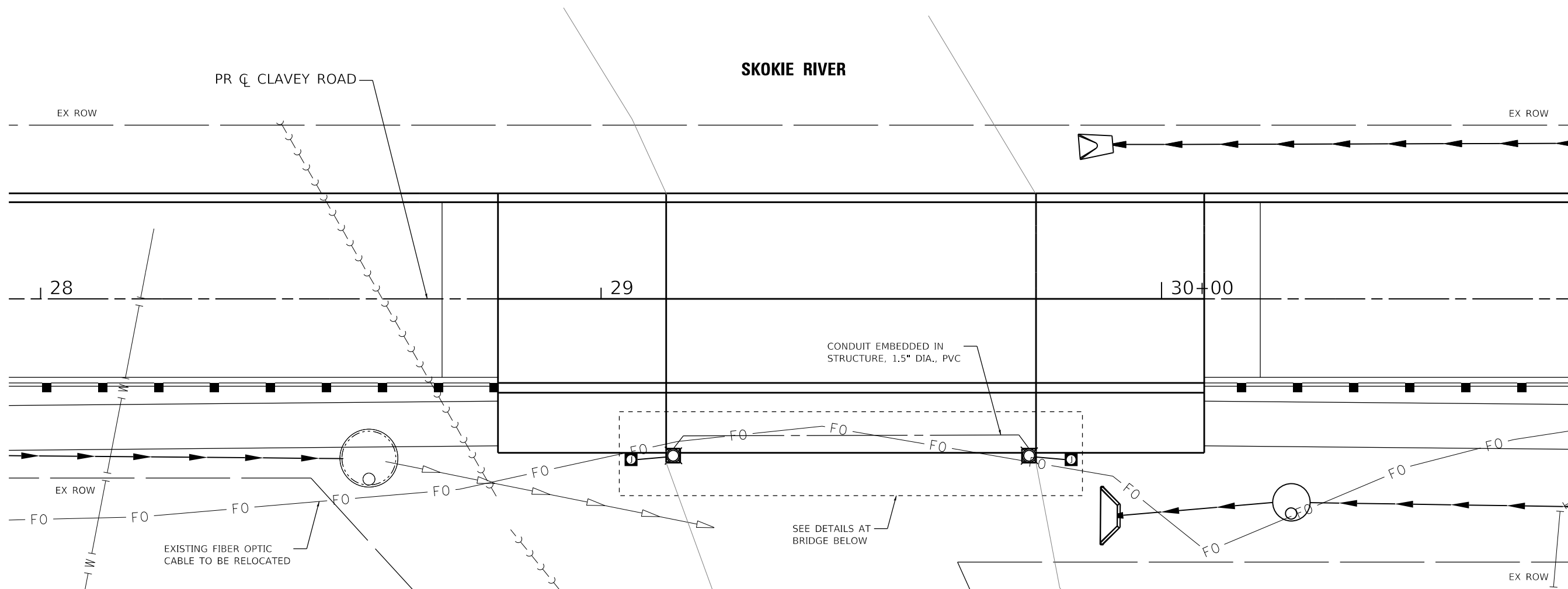
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
IDOT D1 DETAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	172
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

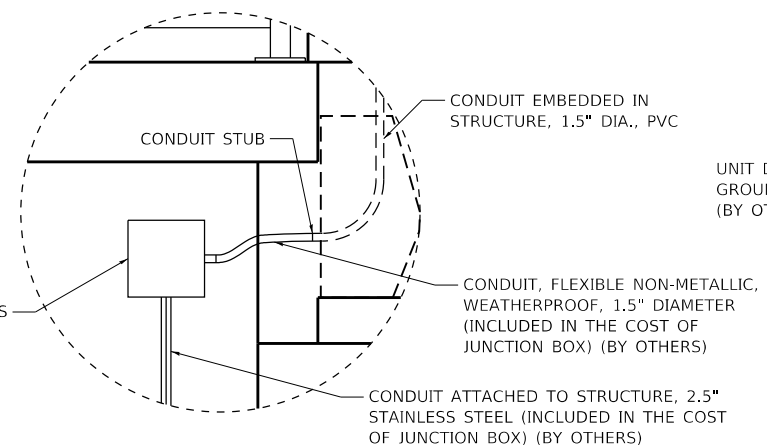
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.



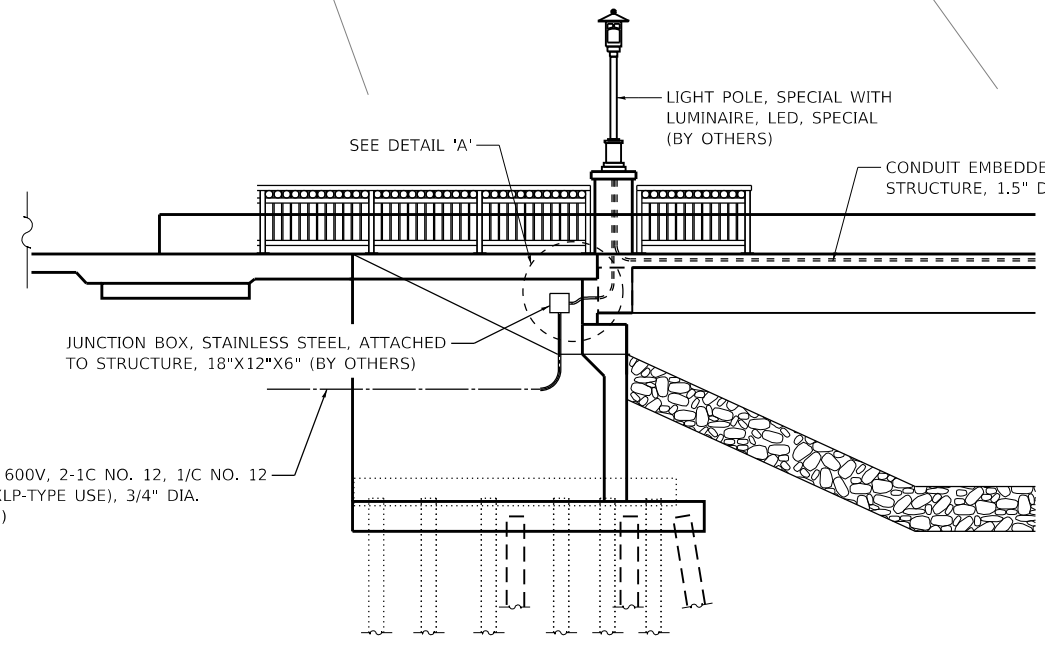


**LEGEND**

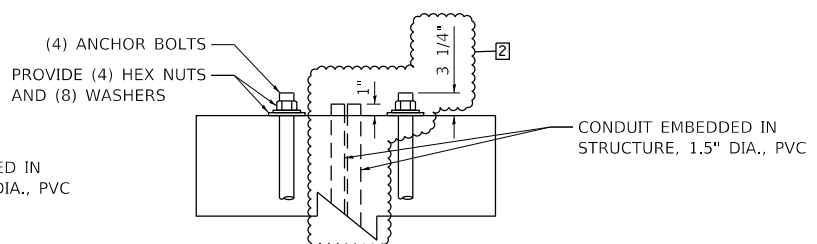
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x12"x6" (BY OTHERS)
- ⊗ LIGHT POLE, SPECIAL WITH LUMINAIRE, LED, SPECIAL (BY OTHERS)
- CONDUIT OR CABLE, SIZED AS NOTED ON PLAN



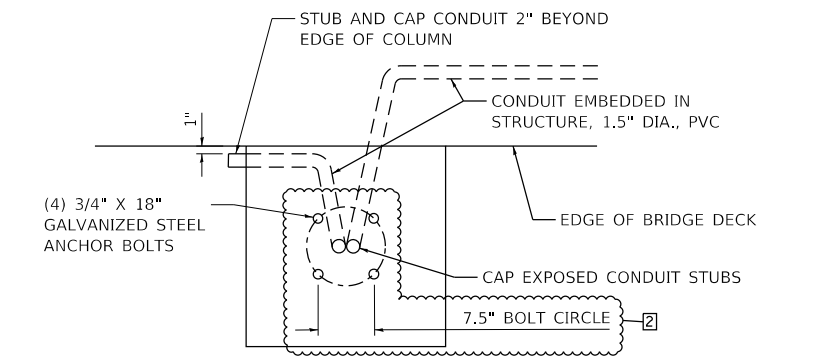
**DETAIL 'A'**



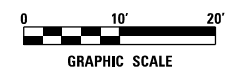
**ELEVATION VIEW AT WEST ABUTMENT**  
(LOOKING NORTH)



**ELEVATION VIEW AT COLUMN**  
(NOT TO SCALE)



**PLAN VIEW AT COLUMN AT WEST ABUTMENT**  
(EAST ABUTMENT IS MIRRORED)



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	DRAWN - DTJ	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

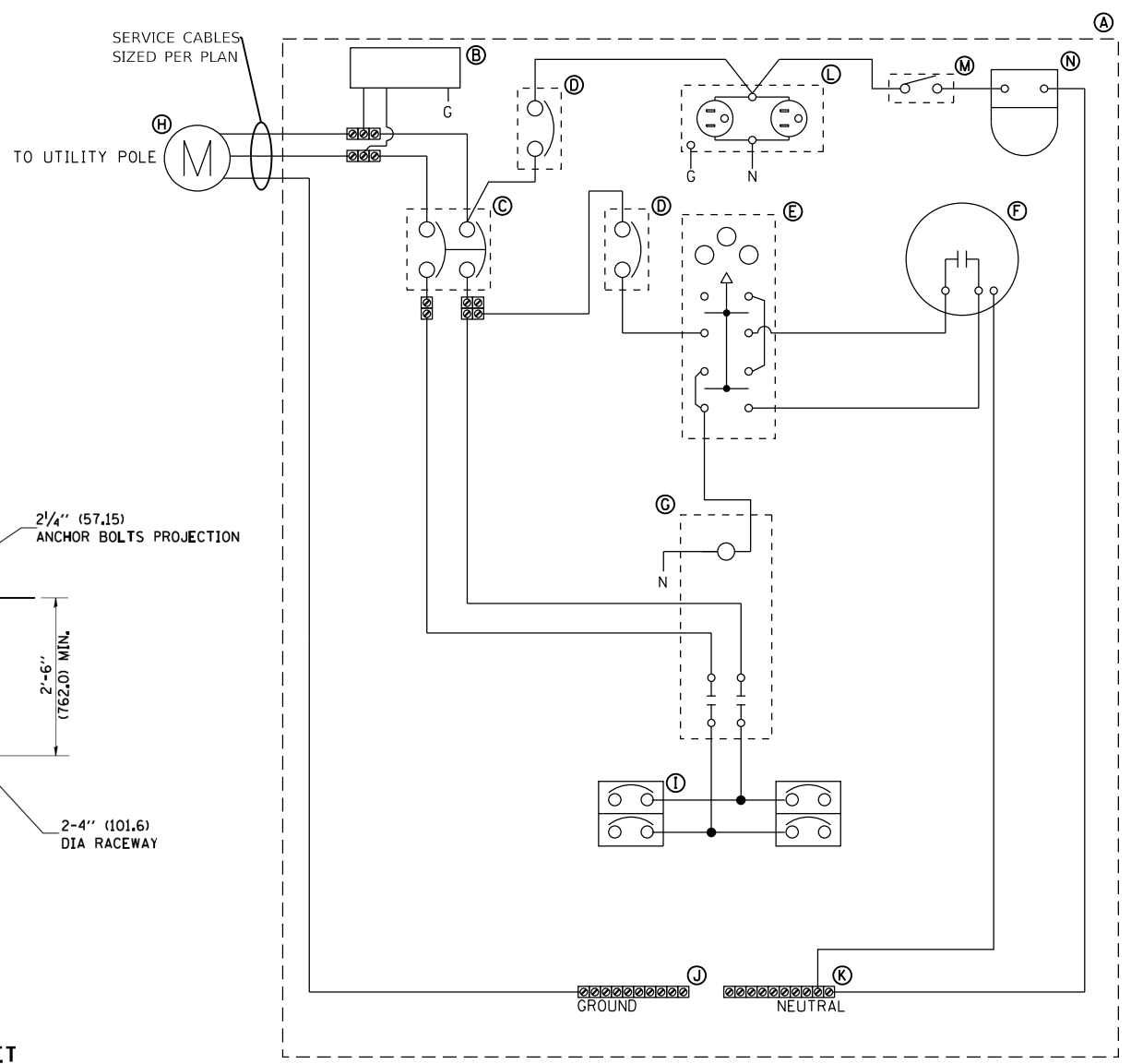
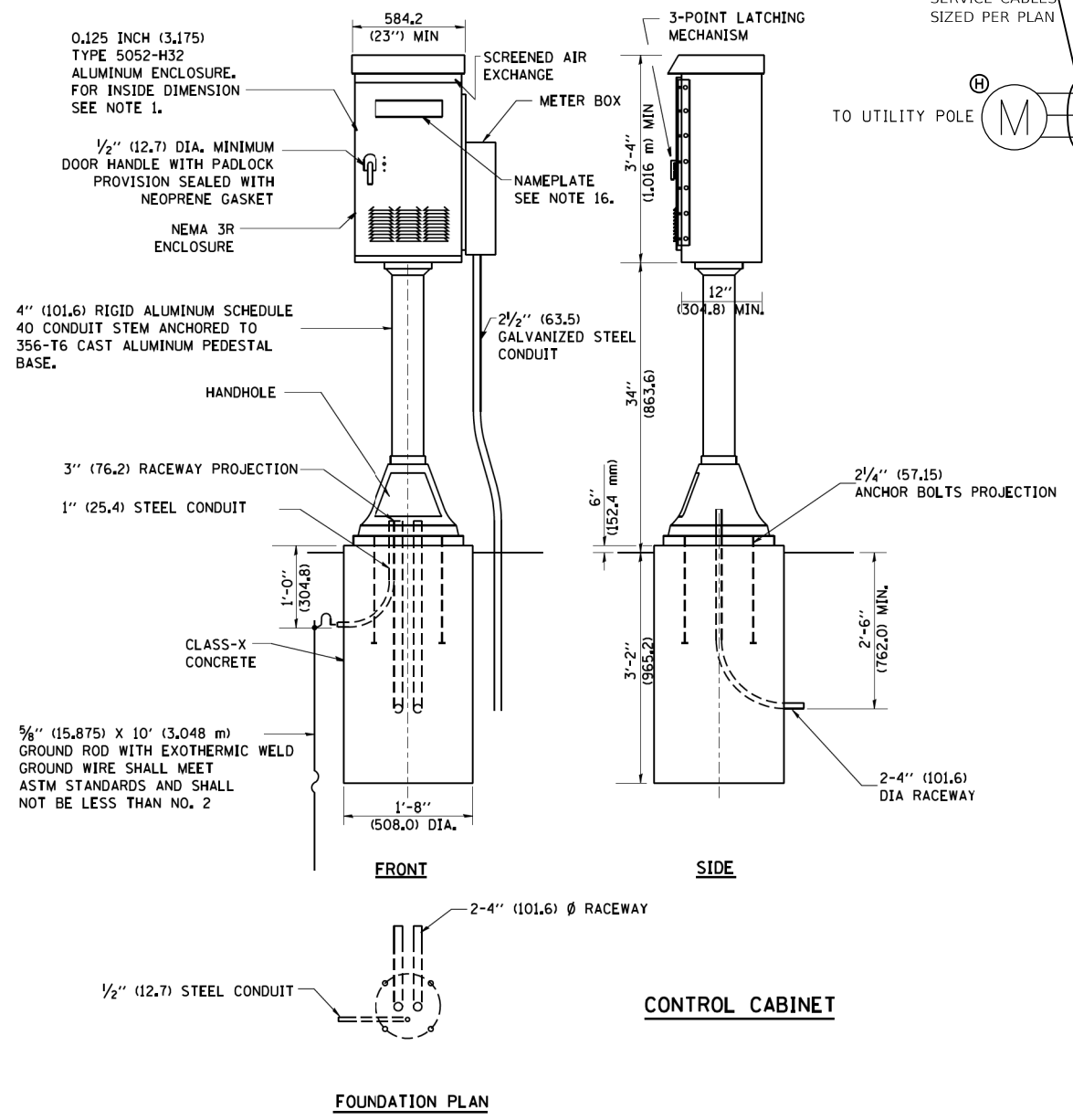
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
BRIDGE LIGHTING PLAN**

SCALE: 1" = 10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	173
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT



DEVICE SCHEDULE		
ITEM	QUANT.	DESCRIPTION
A	1	PAINTED ALUMINUM BACK PANEL
B	1	SURGE ARRESTOR
C	1	CIRCUIT BREAKER, 100A, 2PST, MOLDED CASE, THERMAL MAGNETIC, 65KAIC@240VAC, 100A FRAME
D	2	CIRCUIT BREAKER, 20A, SPST, 65KAIC@240V
E	1	HAND OPERATED, ENCLOSED, THREE POSITION SELECTOR SWITCH (ON/OFF/AUTO)
F	1	CABINET MOUNT PHOTOCELL
G	1	CONTACTOR, 100A, 2 POLE, ELECTRICALLY OPERATED, ELECTRICALLY HELD, WITH 120V COIL
H	1	COMED APPROVED METER FITTING
I	4	CIRCUIT BREAKER, 20A, SPST, 22KAIC@240V, MOLDED CASE
J	1	GROUND BUS TERMINAL LUGS
K	1	NEUTRAL BUS TERMINAL LUGS
L	1	GFCI RECEPTACLE, 20A, 120V IN WEATHERPROOF BOX WITH COVER
M	1	MICRO SWITCH, 20A, SPST (MOUNT ACTUATOR TO SWITCH WHEN DOOR IS OPENED)
N	1	60W EQUIVALENT LED LAMP MOUNTED TO WEATHERPROOF BOX

**NOTES:**

1. THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET DOOR SHALL BE NEMA TYPE 3R CONSTRUCTION WITH A NEOPRENE GASKET.
2. THE DOOR SHALL BE CONSTRUCTED FROM THE SAME TYPE OF MATERIAL AND THICKNESS AS THE CABINET.
3. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND A THREE POINT LOCKING SYSTEM.
4. THE DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" DIAMETER STAINLESS STEEL HINGE.
5. THE DOOR HANDLE SHALL HAVE PROVISIONS FOR LOCKING USING A PADLOCK.
6. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STANDARD 508 AND SHALL BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
7. THE ELECTRIC METER ENCLOSURE SHALL BE MOUNTED ON THE SIDE OF THE CONTROLLER CABINET NEAREST THE SERVICE LOCATION OR AS DIRECTED BY THE OWNER.
8. CONTROL WIRING SHALL BE NO. 12 AWG., 600V.
9. SCREW HEADS FOR THE NEUTRAL BAR SHALL BE PAINTED WHITE. SCREW HEADS FOR THE GROUND BAR SHALL BE PAINTED GREEN.
10. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL PANEL.
11. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
12. A 6" X 11" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE AFFIXED TO THE CABINET DOOR. THE NAMEPLATES SHALL BE ENGRAVED TO "CITY OF HIGHLAND PARK".
13. A 36" X 24" X 4" CONCRETE PAD SHALL BE CONSTRUCTED IN FRONT OF THE CABINET DOOR.

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USER NAME = Roadway	DESIGNED - D. JOHNSON	REVISED -
	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

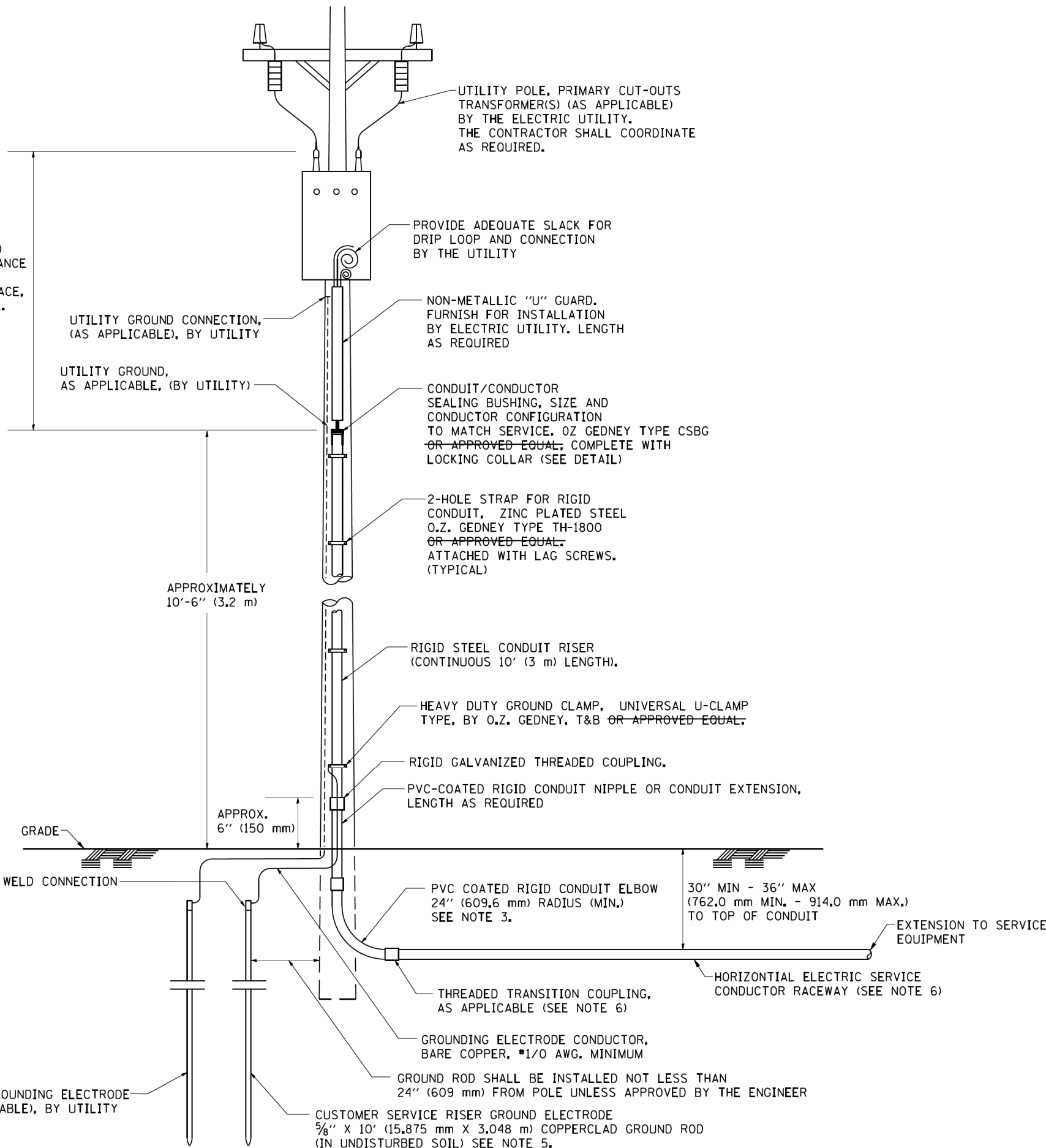
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION**  
**LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	174
CONTRACT NO. 61C85				
ILLINOIS FED. AID PROJECT				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

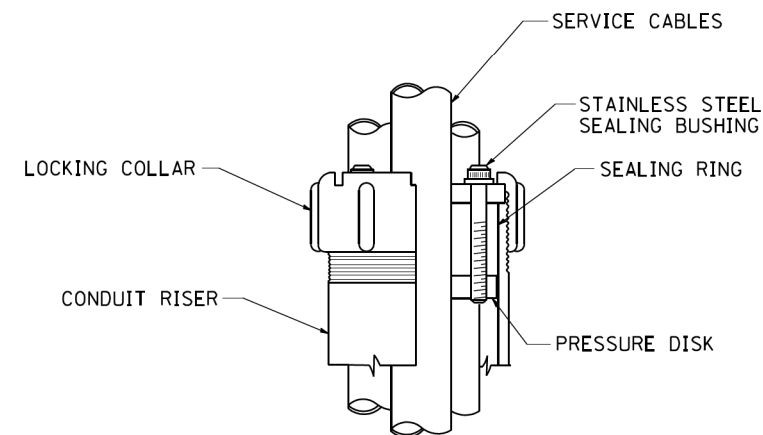


**APPLICATION**

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

**NOTES**

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

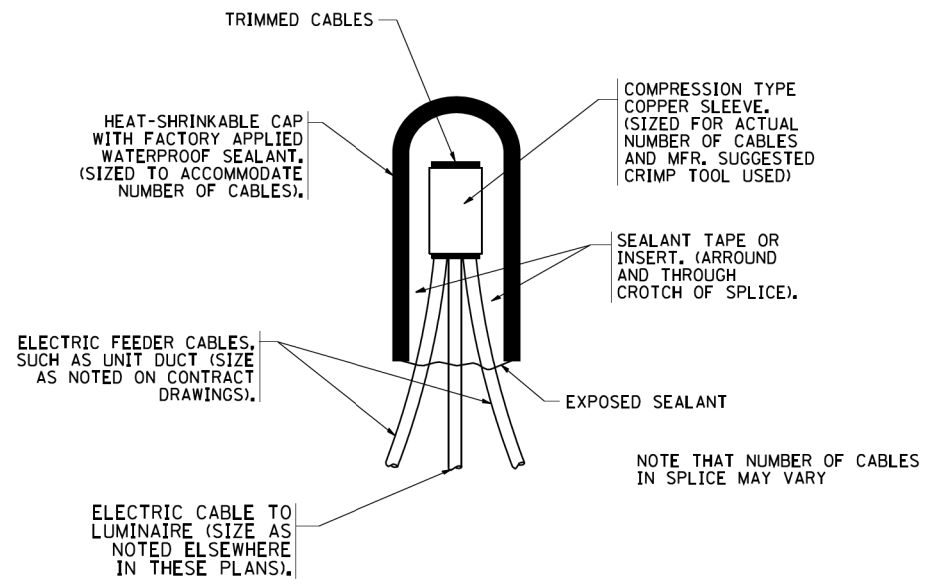


**SEALING BUSHING DETAIL**

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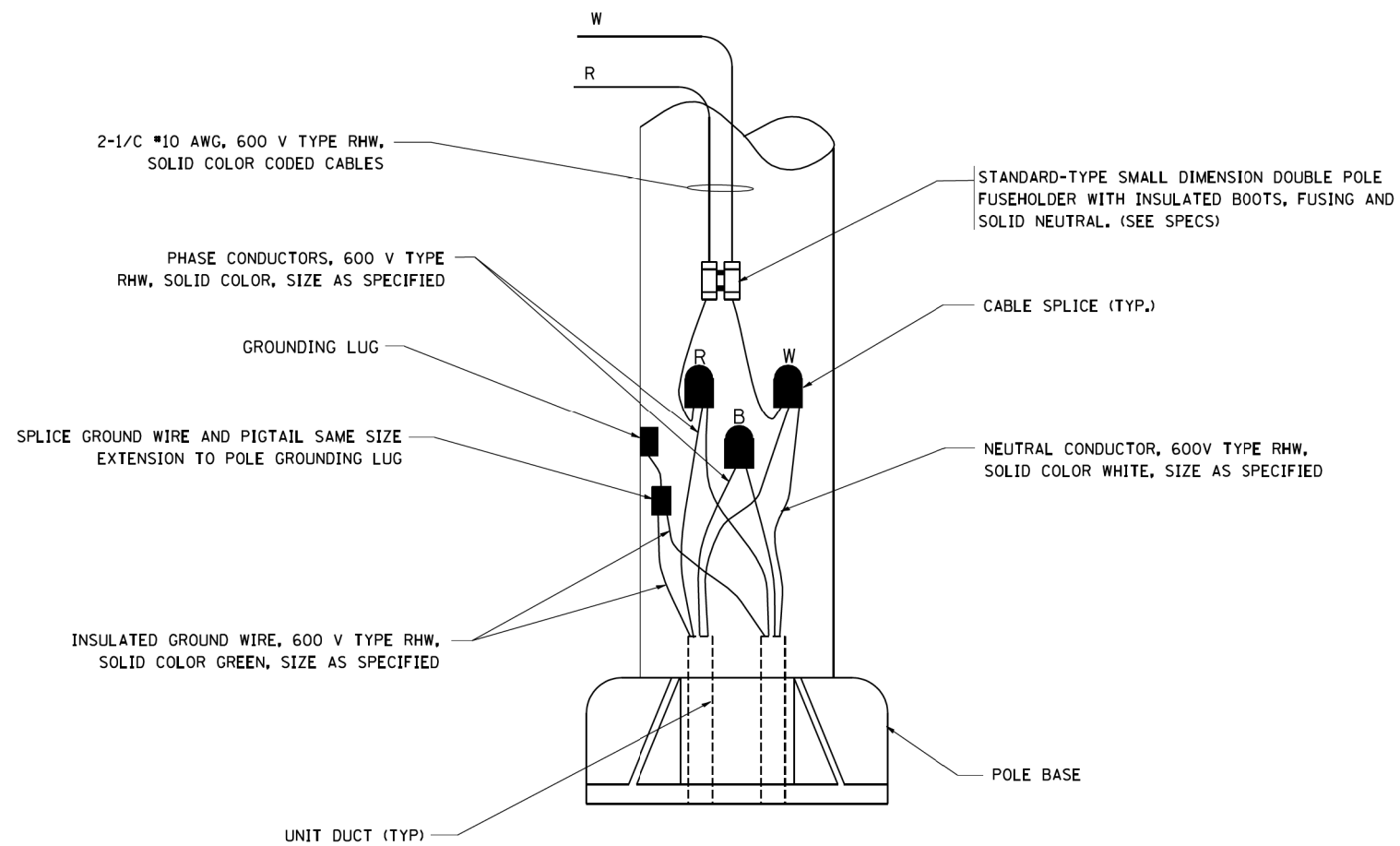
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	DRAWN - D. JOHNSON	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 175
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	



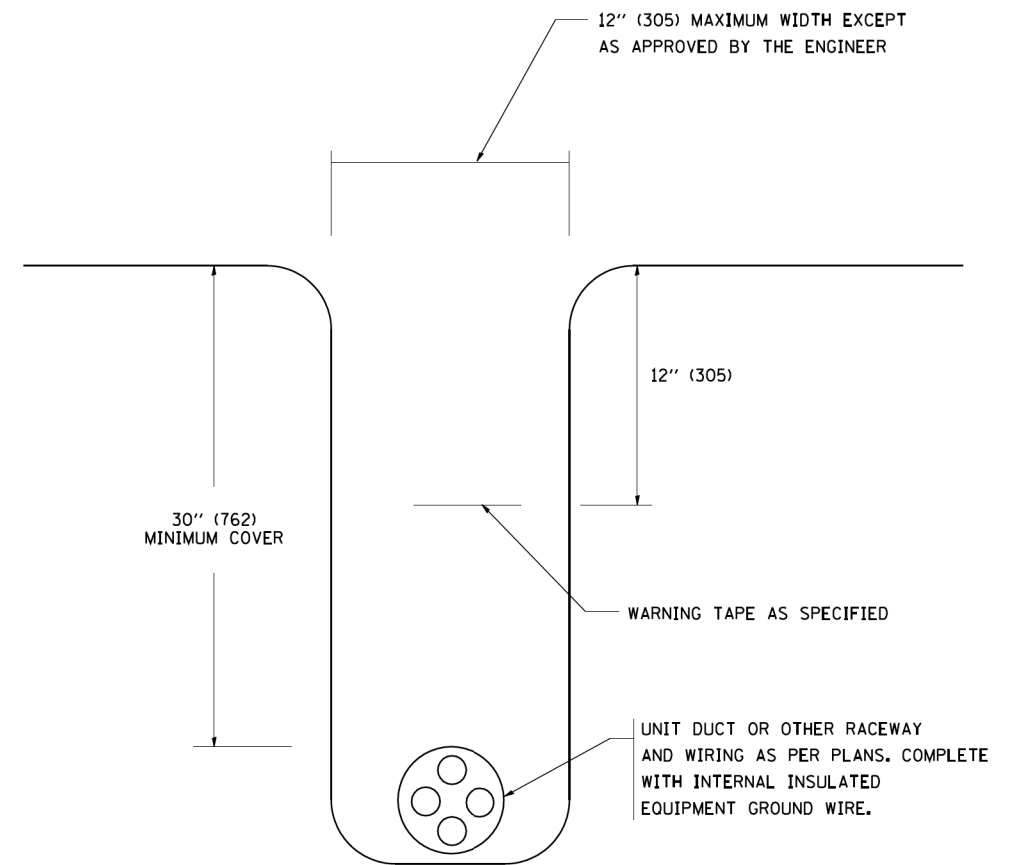
**TYPICAL SPLICE DETAIL**

N.T.S.



**POLE WIRING DETAIL**

N.T.S.



**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.

FILE NAME =  
W:\diststd\22x34\be702.dgn

USER NAME = geglennobt  
DESIGNED -  
DRAWN -  
PLOT SCALE = 50.000 ' / IN.  
PLOT DATE = 1/4/2008

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED - 08-08-03  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS  
SHEET A**

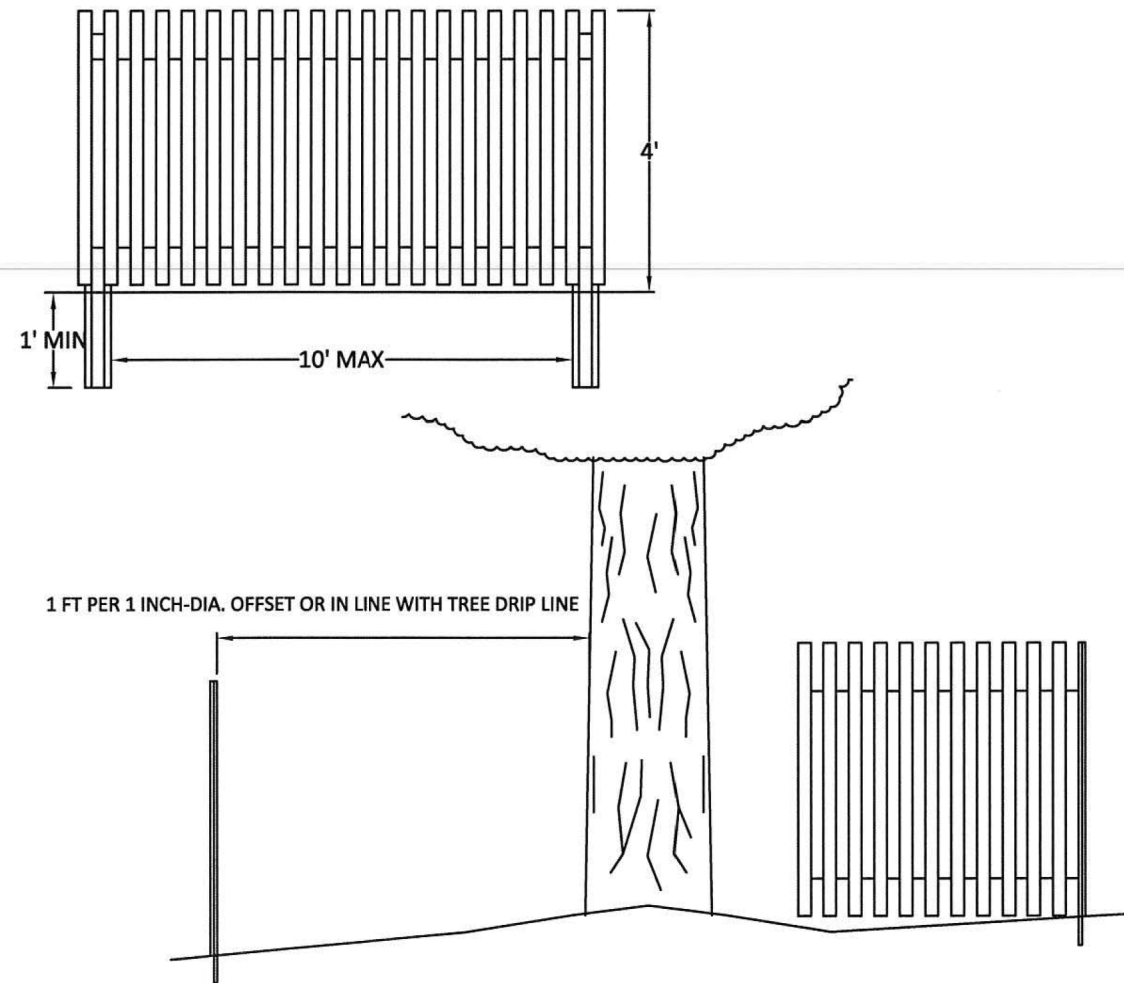
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	176
<b>BE-702</b>		<b>CONTRACT NO. 61G85</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Install & maintain 4' tall wooden slat fence secured to metal posts spaced a maximum of 10' apart. The tree fence shall be 1 foot from the tree trunk for each inch of diameter measured 4.5' from ground level. The fence must be secured to the metal post with a minimum of 4 ties.

Installation shall be approved by the CITY FORESTER before the start of the project.

Failure to install and maintain protective tree fencing in accordance with City Standards will result in a ticket or a "STOP WORK ORDER" on the project.

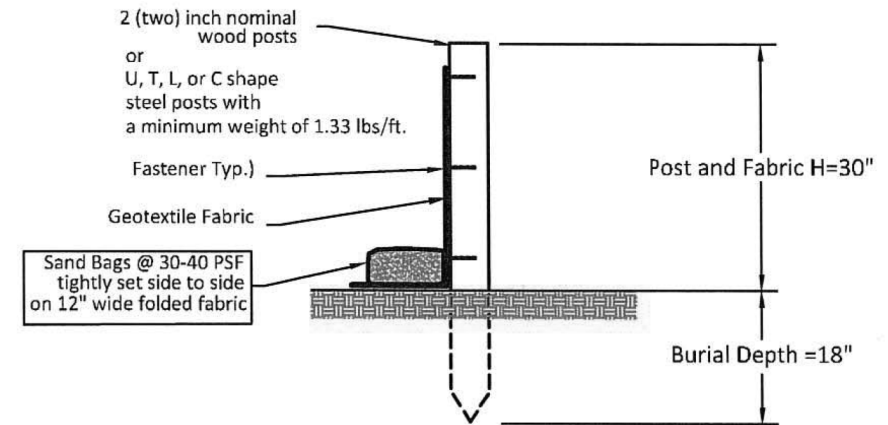


### TREE PROTECTION DETAIL

City of Highland Park  
Department of Public Works  
1150 Half Day Rd, Highland Park, IL 60035

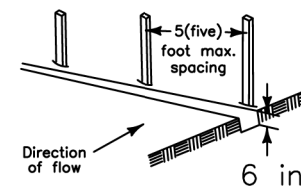
H.P. DWG. No. FOR-1041  
Drawn By: M.B.  
Revised By: E.J.

DATE: 27th Sept. 2013  
Approved By: J.M.W.

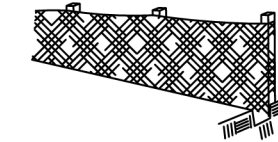


### ALTERNATE TO FABRIC TRENCH (WITH SAND BAGS)

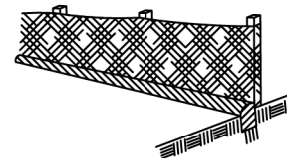
1. Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



2. Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and extend to the bottom of the trench. Acceptable fasteners include staples, zip ties, or wire ties

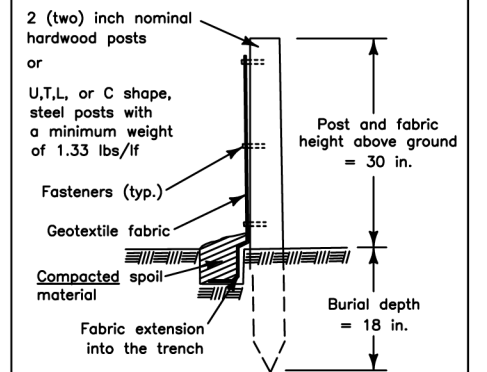


3. Backfill and compact the excavated spoil materials



Geotextile Requirement	Test Method	MARV
Grab strength	ASTM D 4632	
	- Machine direction	550 N
	- X-machine direction	450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

Note:  
Value for apparent opening size represents maximum average roll value.



### SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW  
REVISED: BY:



### SILT FENCE DETAIL & Alternate Detail (USE L.C.S.M.C STD. DETAIL)

City of Highland Park  
Department of Public Works  
1150 Half Day Rd, Highland Park, IL 60035

H.P. DWG. No. FOR-1042A, Silt Fence-Alternate  
Drawn By: M.B.  
Revised By: E.J.

DATE: 14 Feb 2017  
Approved By: E.Gomez



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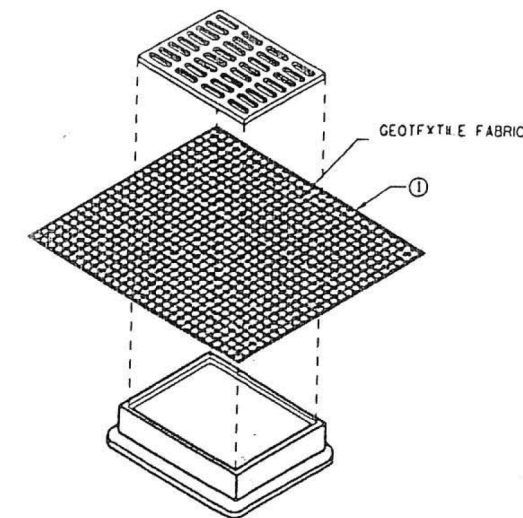
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	DRAWN - ES	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

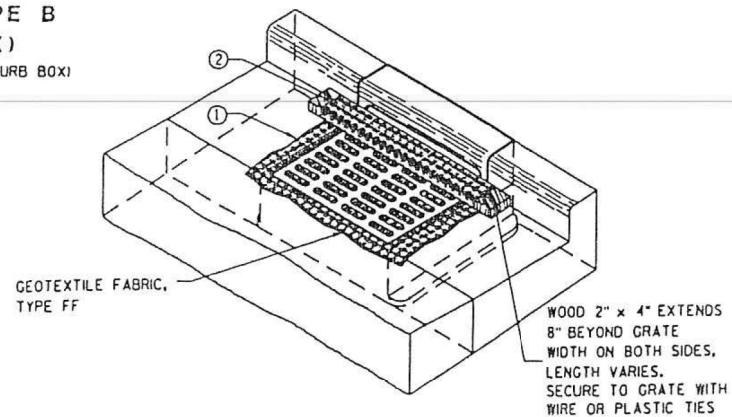
CLAVEY ROAD ROADWAY RECONSTRUCTION  
HIGHLAND PARK STANDARD DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	177
CONTRACT NO.			61C85	
ILLINOIS FED. AID PROJECT				



**INLET PROTECTION, TYPE B  
(WITHOUT CURB BOX)**  
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



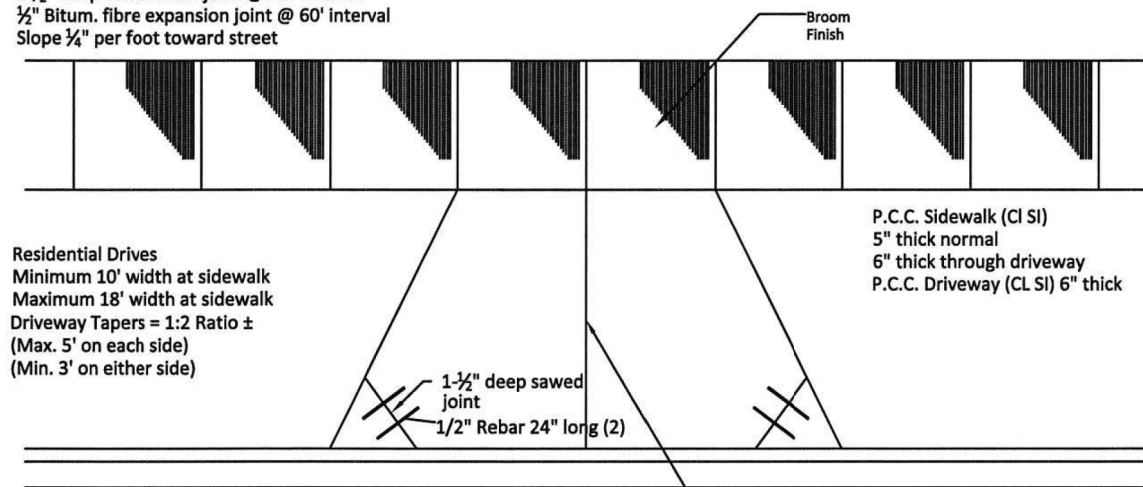
**INLET PROTECTION, TYPE C (WITH CURB BOX)**

**INSTALLATION NOTES:**

1. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
2. TYPE C SHALL BE UTILIZED WITH CURB HEADS, A 1 1/2" X 3 3/4" MINIMUM, PIECE OF LUMBER SHALL BE WRAPPED AND SECURED IN THE FABRIC AND PLACED IN FRONT OF THE CURB HEAD AS SHOWN ON THE PLAN. THE LUMBER SHALL NOT BLOCK THE ENTIRE OPENING OF THE CURB BOX AND BE SECURED TO THE GRATE WITH WIRE OR PLASTIC TIES.
3. ALL FABRICS USED AS PART OF AN INLET PROTECTION DEVICE MUST BE SELECTED FROM THE LIST OF APPROVED FABRICS CERTIFIED FOR INLET PROTECTION, GEO-TEXTILE FABRIC, IN ACCORDANCE WITH STATE STANDARD SPECS FOR ROAD AND BRIDGES CONSTRUCTION - JANUARY 1, 2012, ARTICLE 1080.05 ON PAGE 971.

**INLET FILTERS DETAILS**

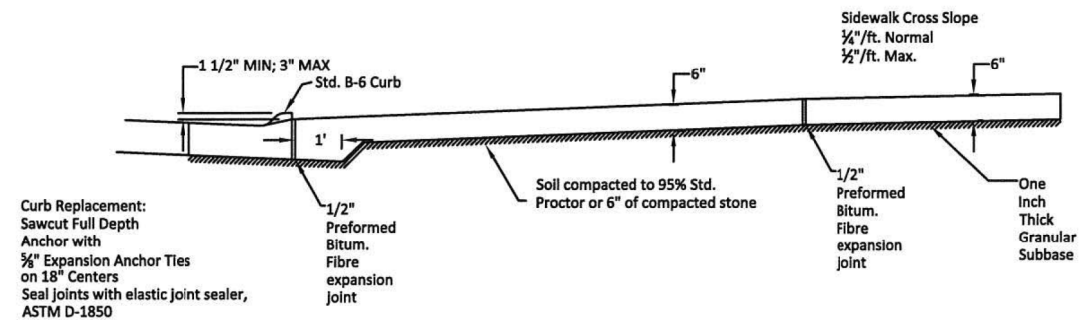
Dummy Contraction Joint every 5'  
 1-1/2" deep contraction joint @ 15' interval  
 1/2" Bitum. fibre expansion joint @ 60' interval  
 Slope 1/4" per foot toward street



All construction to be per Illinois Standard Specifications for Road and Bridge construction.

1-1/4" deep sawed contraction joint(s), maintain width to length ratios of less than 1:1 1/2

**Plan View**



**Cross Section View**

**TYPICAL DRIVEWAY & SIDEWALK DETAIL**



City of Highland Park  
 Department of Public Works  
 1150 Half Day Rd, Highland Park, IL 60035

H.P. DWG. No. STR-1031  
 Drawn By: M.B.  
 Revised By: E.J.



DATE: 27th Sept. 2013  
 Approved By: J.M.W.

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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

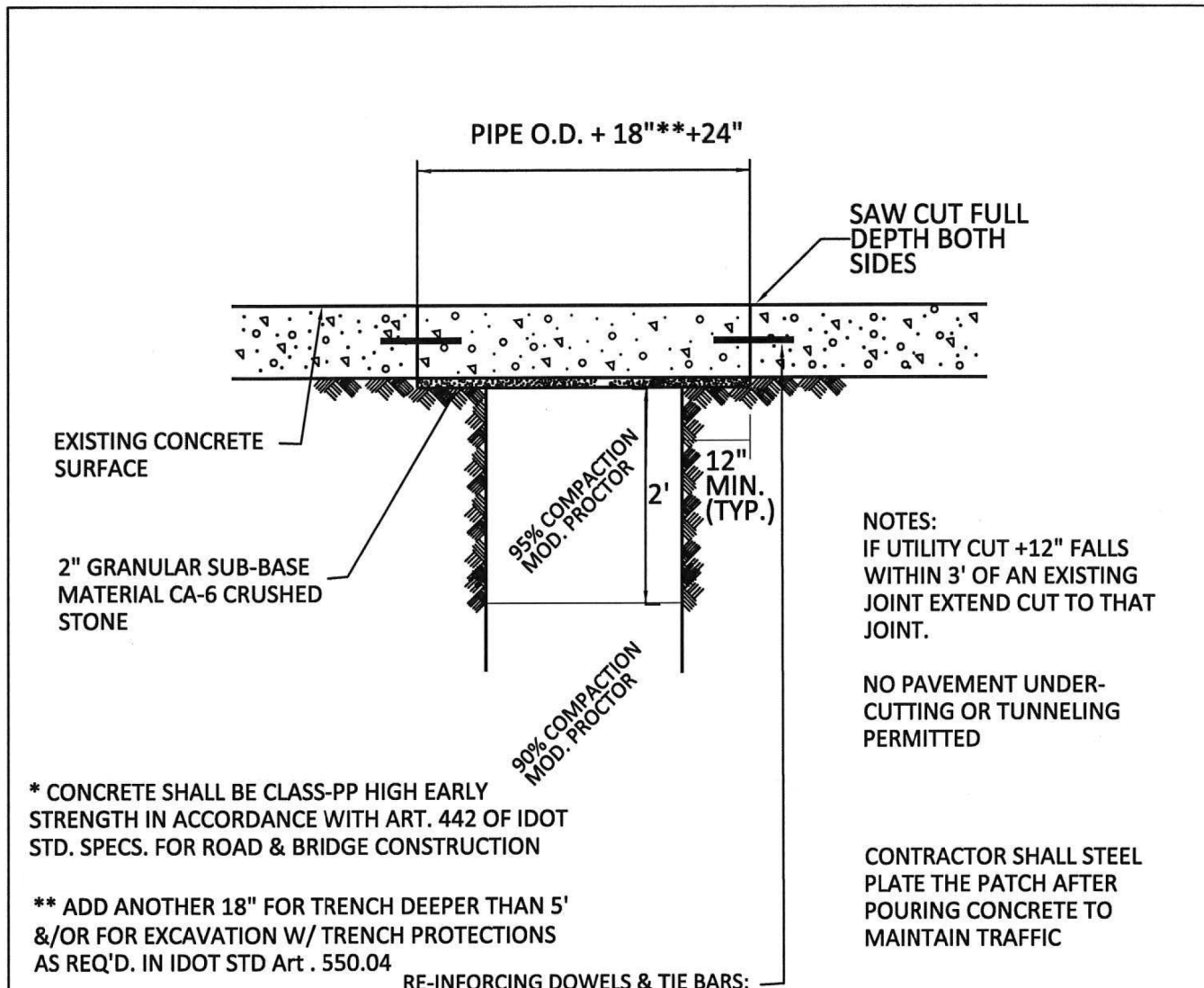
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
 HIGHLAND PARK STANDARD DETAILS**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	178
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

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\* CONCRETE SHALL BE CLASS-PP HIGH EARLY STRENGTH IN ACCORDANCE WITH ART. 442 OF IDOT STD. SPECS. FOR ROAD & BRIDGE CONSTRUCTION  
 \*\* ADD ANOTHER 18" FOR TRENCH DEEPER THAN 5' &/OR FOR EXCAVATION W/ TRENCH PROTECTIONS AS REQ'D. IN IDOT STD Art . 550.04

NOTES:  
 IF UTILITY CUT +12" FALLS WITHIN 3' OF AN EXISTING JOINT EXTEND CUT TO THAT JOINT.  
 NO PAVEMENT UNDER-CUTTING OR TUNNELING PERMITTED

CONTRACTOR SHALL STEEL PLATE THE PATCH AFTER POURING CONCRETE TO MAINTAIN TRAFFIC

RE-INFORCING DOWELS & TIE BARS:

**TRANSVERSE CLASS B PATCHES (across the street)**  
 INSTALL 1 1/4" Ø X 18" @ 12" C.T.S. EPOXY COATED PLAIN DOWEL BARS ANCHORED INTO EXISTING P.C. CONCRETE PAVEMENT ALONG WITH 1 1/4" Ø X 18" @ 12" C.T.S. EPOXY COATED DEFORMED TIE BARS AT REAR FACE OF THE PATCH (rear end of traffic) as detailed in I.D.O.T. STD. 442105-05.

**LONGITUDIAL CLASS B PATCHES (along the street)**  
 INSTALL 3/4" Ø X 18" @ 18" C.T.S. EPOXY COATED PLAIN DOWEL BARS IN CONFORMANCE WITH STATE SPECIFICATIONS. USE 3/4" Ø X 18" @ 18" C.T.S. DEFORMED TIE BARS TO CONNECT CONCRETE CURB & GUTTER.



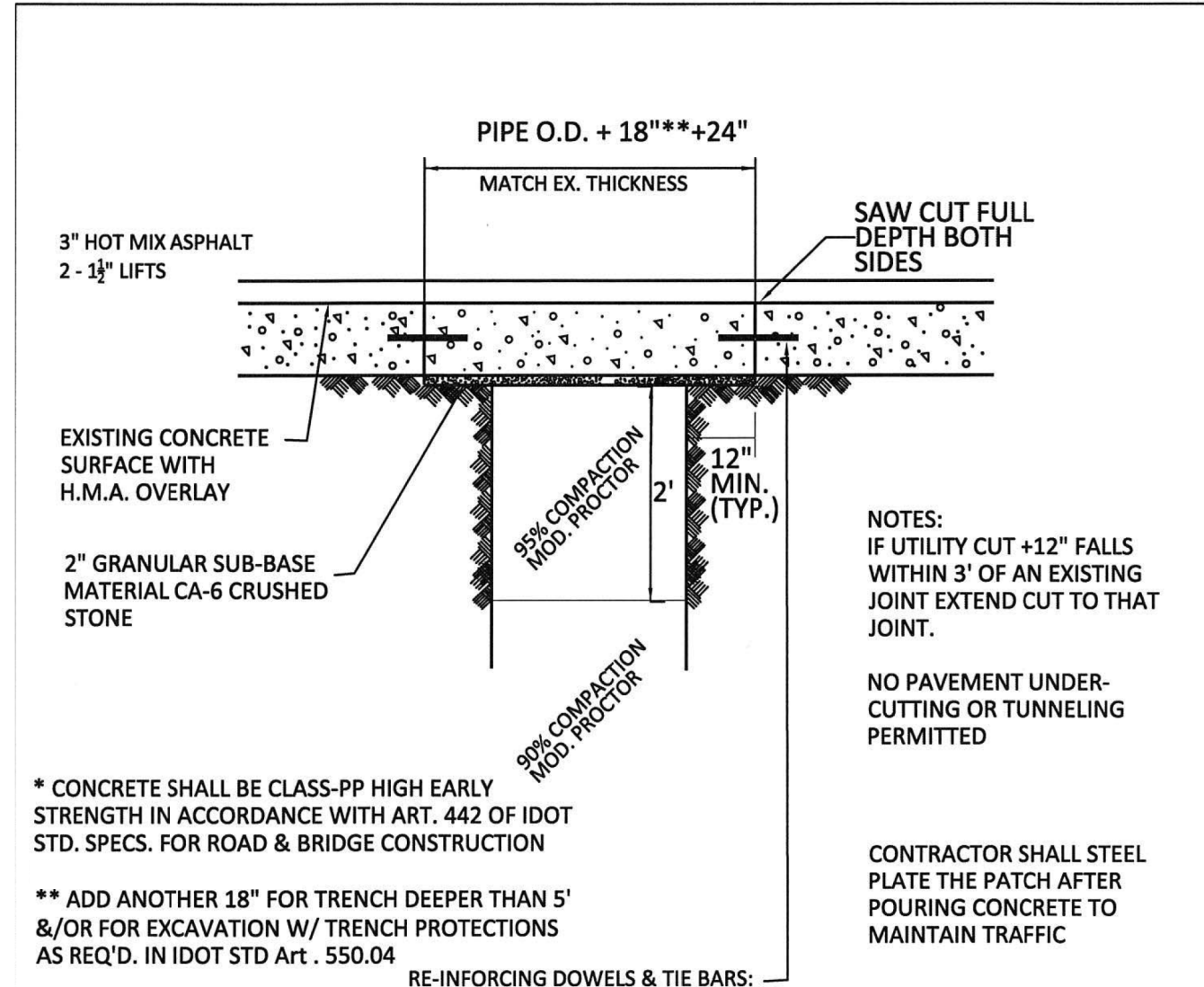
### CONCRETE CLASS B PATCH DETAIL



City of Highland Park  
 Department of Public Works  
 1150 Half Day Rd, Highland Park, IL 60035

H.P. DWG. No. STR-1033  
 Drawn By: M.B.  
 Revised By: E.J.

DATE: 8th Jan. 2015  
 Approved By: J.M.W.



\* CONCRETE SHALL BE CLASS-PP HIGH EARLY STRENGTH IN ACCORDANCE WITH ART. 442 OF IDOT STD. SPECS. FOR ROAD & BRIDGE CONSTRUCTION  
 \*\* ADD ANOTHER 18" FOR TRENCH DEEPER THAN 5' &/OR FOR EXCAVATION W/ TRENCH PROTECTIONS AS REQ'D. IN IDOT STD Art . 550.04

NOTES:  
 IF UTILITY CUT +12" FALLS WITHIN 3' OF AN EXISTING JOINT EXTEND CUT TO THAT JOINT.  
 NO PAVEMENT UNDER-CUTTING OR TUNNELING PERMITTED

CONTRACTOR SHALL STEEL PLATE THE PATCH AFTER POURING CONCRETE TO MAINTAIN TRAFFIC

RE-INFORCING DOWELS & TIE BARS:

**TRANSVERSE CLASS B PATCHES (across the street)**  
 INSTALL 1 1/4" Ø X 18" @ 12" C.T.S. EPOXY COATED PLAIN DOWEL BARS ANCHORED INTO EXISTING P.C. CONCRETE PAVEMENT ALONG WITH 1 1/4" Ø X 18" @ 12" C.T.S. EPOXY COATED DEFORMED TIE BARS AT REAR FACE OF THE PATCH (rear end of traffic) as detailed in I.D.O.T. STD. 442105-05.

**LONGITUDIAL CLASS B PATCHES (along the street)**  
 INSTALL 3/4" Ø X 18" @ 18" C.T.S. EPOXY COATED PLAIN DOWEL BARS IN CONFORMANCE WITH STATE SPECIFICATIONS. USE 3/4" Ø X 18" @ 18" C.T.S. DEFORMED TIE BARS TO CONNECT CONCRETE CURB & GUTTER.



### CONCRETE PAVEMENT PATCH WITH H.M.A. OVERLAY DETAIL



City of Highland Park  
 Department of Public Works  
 1150 Half Day Rd, Highland Park, IL 60035

H.P. DWG. No. STR-1034  
 Drawn By: M.B.  
 Revised By: E.J.

DATE: 8th Jan. 2015  
 Approved By: J.M.W.



USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

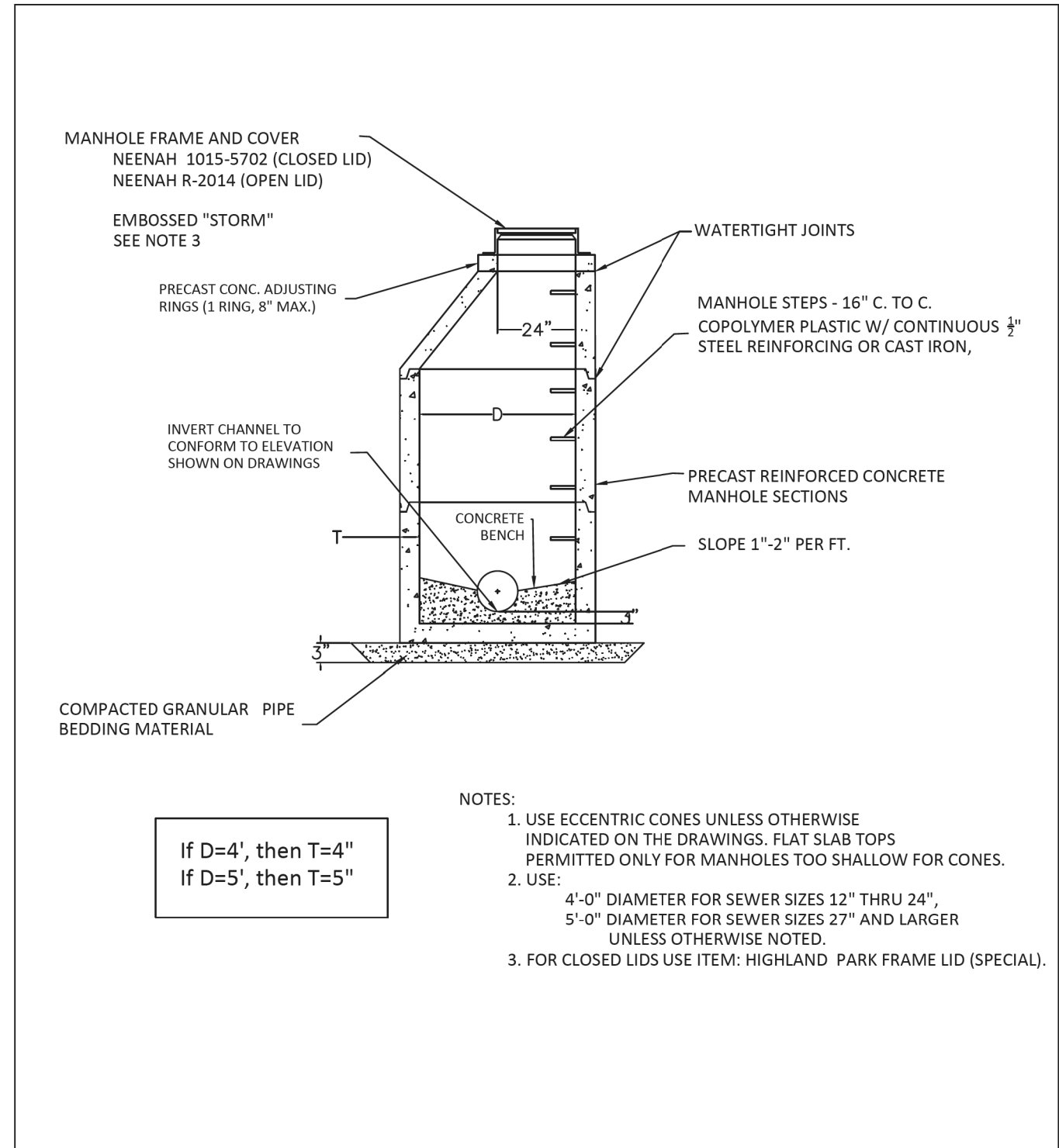
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CLAVEY ROAD ROADWAY RECONSTRUCTION  
 HIGHLAND PARK STANDARD DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	179
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

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MANHOLE FRAME AND COVER  
 NEENAH 1015-5702 (CLOSED LID)  
 NEENAH R-2014 (OPEN LID)

EMBOSSSED "STORM"  
 SEE NOTE 3

PRECAST CONC. ADJUSTING RINGS (1 RING, 8" MAX.)

WATERTIGHT JOINTS

MANHOLE STEPS - 16" C. TO C.  
 COPOLYMER PLASTIC W/ CONTINUOUS 1/2" STEEL REINFORCING OR CAST IRON,

PRECAST REINFORCED CONCRETE MANHOLE SECTIONS

SLOPE 1"-2" PER FT.

CONCRETE BENCH

INVERT CHANNEL TO CONFORM TO ELEVATION SHOWN ON DRAWINGS

24"

3"

COMPACTED GRANULAR PIPE BEDDING MATERIAL

If D=4', then T=4"  
 If D=5', then T=5"

- NOTES:
1. USE ECCENTRIC CONES UNLESS OTHERWISE INDICATED ON THE DRAWINGS. FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
  2. USE:  
 4'-0" DIAMETER FOR SEWER SIZES 12" THRU 24",  
 5'-0" DIAMETER FOR SEWER SIZES 27" AND LARGER UNLESS OTHERWISE NOTED.
  3. FOR CLOSED LIDS USE ITEM: HIGHLAND PARK FRAME LID (SPECIAL).



City of Highland Park  
 Department of Public Works  
 1150 Half Day Rd, Highland Park, IL 60035

### STORM SEWER MANHOLE DETAIL

H.P. DWG. No. ST-1013  
 Drawn By: M.B.  
 Revised By: JP3



DATE: 26th March 2019  
 Approved By: *Carol Hong*



USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
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PLOT DATE = 9/20/2021	DATE - 9/1/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CLAVEY ROAD ROADWAY RECONSTRUCTION  
 HIGHLAND PARK STANDARD DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	180
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT



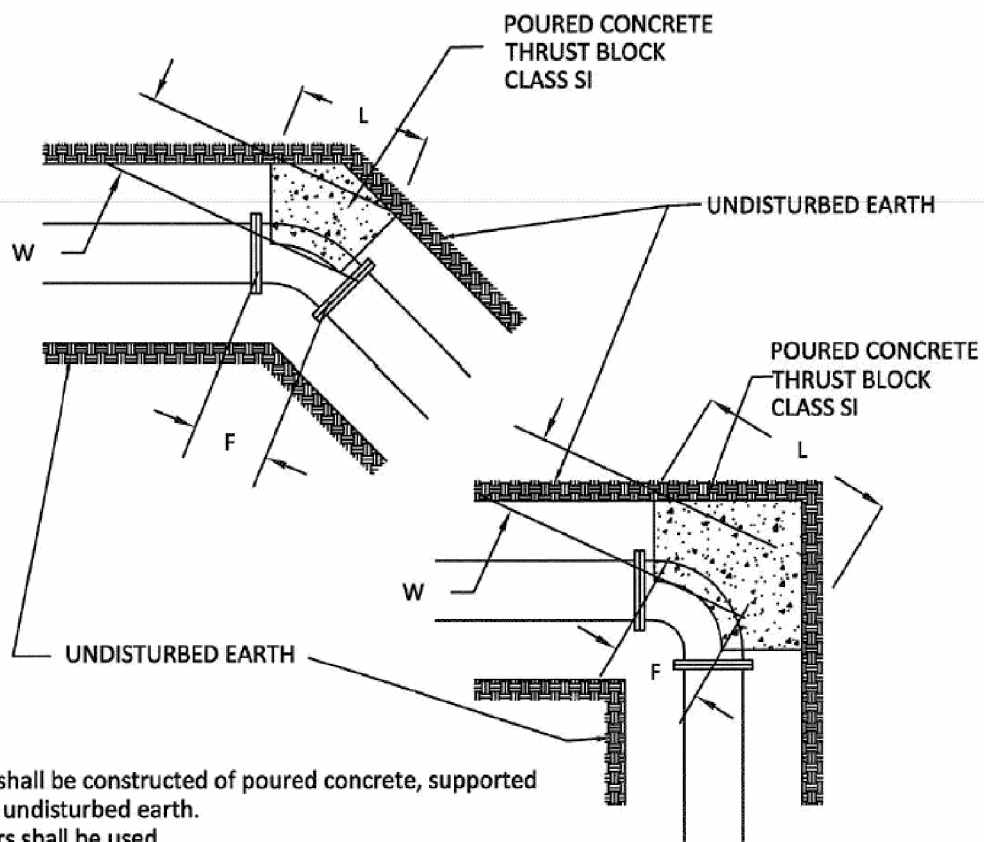
**THRUST BLOCK SCHEDULE:**

All Thrust Blocking Incidental to Water Main Construction.

Thrust Blocking for all fittings under 10 inches shall have a minimum dimension of 1'x1' at the point of contact with undisturbed earth.

Plugged Ends shall be thrust blocked the same as Tee.

Tabulated Thrust Blocking is figured on Allowable Bearing Pressure of Soil at 4,000 PSF. If Allowable Bearing Pressure of Soil is 2,000 PSF, the tabulated bearing area of contact to the undisturbed earth shall be doubled.



**Notes:**

1. All Thrust Blocking shall be constructed of poured concrete, supported with wood forms and undisturbed earth.
2. MEGA-LUG retainers shall be used.
3. All nuts, bolts and washers shall be STAINLESS STEEL.

SHEET 1 OF 2



City of Highland Park  
Department of Public Works  
1150 Half Day Rd, Highland Park, IL 60035

**THRUST BLOCK  
DETAIL**

H.P. DWG. No. WD-1008 SHEET 1 OF 2  
Drawn By: M.B.  
Revised By: E.J.



DATE: 27th Sept. 2013  
Approved By: J.M.W.

**THRUST BLOCK SCHEDULE:**

FITTINGS	DIMENSIONS (FT.)			
	H	L	W	F
TEE: 16" X 16" X 16"	2.5'	3.0'	2.0'	2.0'
16" - 90°	3.0'	3.5'	2.0'	2.0'
16" - 45°	3.0'	2.0'	2.0'	2.0'
16" - 22 1/2°	2.0'	2.0'	1.5'	1.0'
TEE: 14" X 14" X 10"	2.0'	2.5'	1.5'	2.0'
14" - 90°	2.5'	3.0'	1.5'	2.0'
14" - 45°	2.0'	2.5'	1.5'	1.5'
TEE: 12" X 12" X 12"	2.0'	2.5'	1.5'	2.0'
TEE: 12" X 12" X 8"	1.5'	2.0'	1.5'	1.5'
TEE: 12" X 12" X 6"	1.0'	1.5'	1.5'	1.0'
12" - 90°	2.0'	3.0'	1.5'	2.0'
12" - 45°	1.5'	2.0'	1.5'	1.0'
12" - 22 1/2°	1.0'	1.5'	1.5'	1.0'
TEE: 10" X 10" X 10"	1.5'	2.0'	1.5'	1.5'
10" - 90°	2.0'	3.0'	1.5'	1.5'
10" - 45°	1.5'	1.5'	1.5'	1.0'

**THRUST BLOCK LEGEND:**

- H THICKNESS
- L LENGTH FROM UNEXCAVATED SOIL
- W SPACE BETWEEN FITTINGS AND SOIL
- F WIDTH AT FITTINGS

SHEET 2 OF 2



City of Highland Park  
Department of Public Works  
1150 Half Day Rd, Highland Park, IL 60035

**THRUST BLOCK  
DETAIL**

H.P. DWG. No. WD-1008 SHEET 2 OF 2  
Drawn By: M.B.  
Revised By: E.J.



DATE: 27th Sept. 2013  
Approved By: J.M.W.

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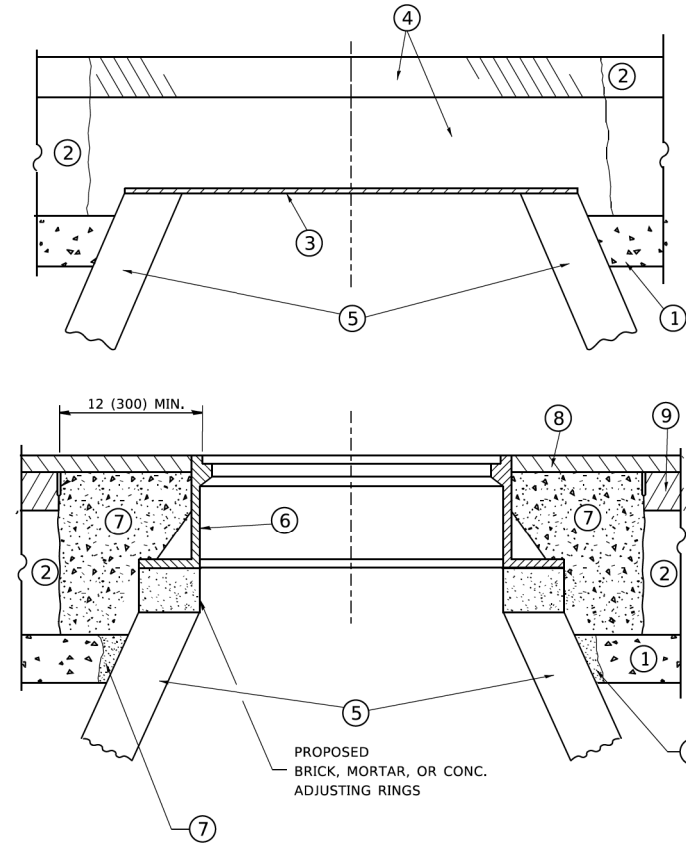
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLAVEY ROAD ROADWAY RECONSTRUCTION  
HIGHLAND PARK STANDARD DETAILS**

SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	181
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 \* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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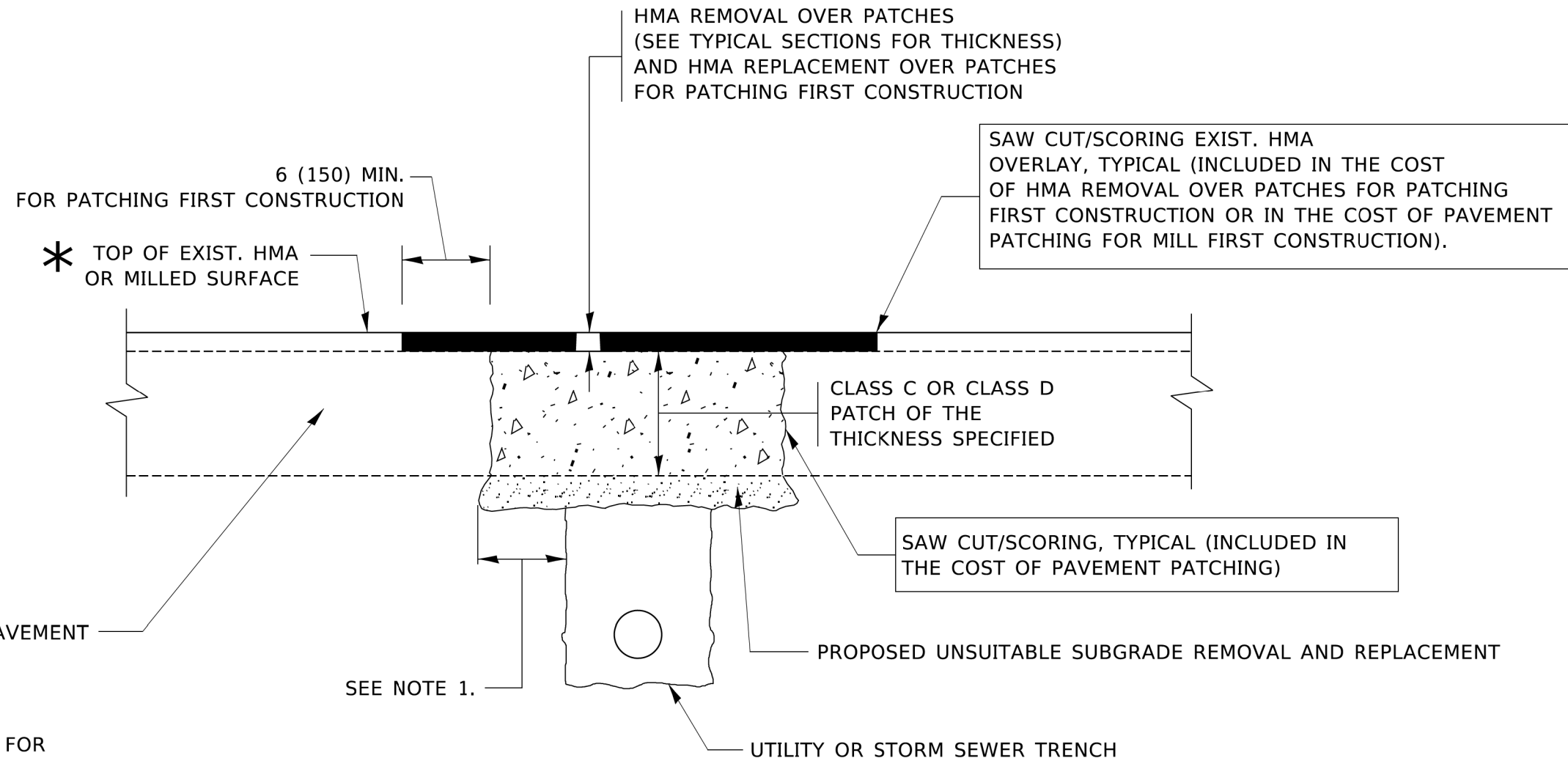
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	182
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 61G85		
ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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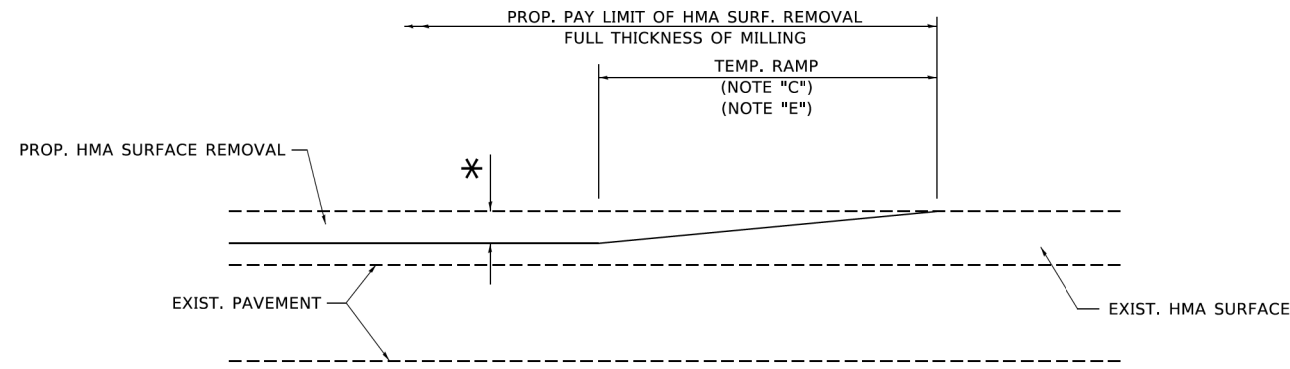
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

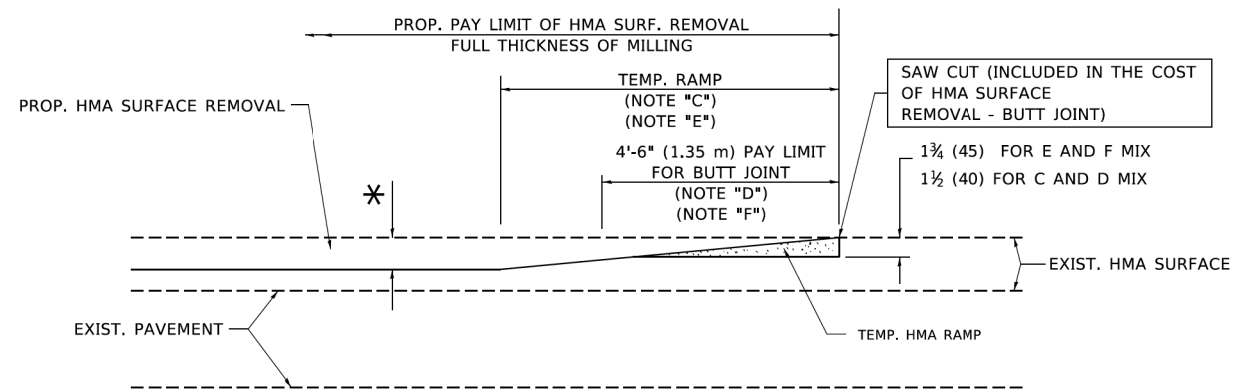
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	183
BD400-04 (BD-22)			CONTRACT NO. 61G85	
ILLINOIS FED. AID PROJECT				



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

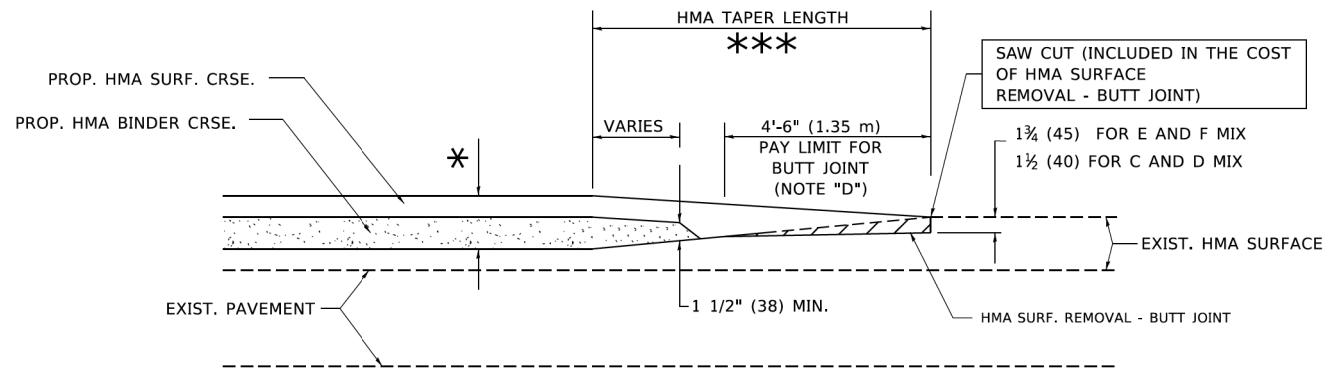
**OPTION 1**



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

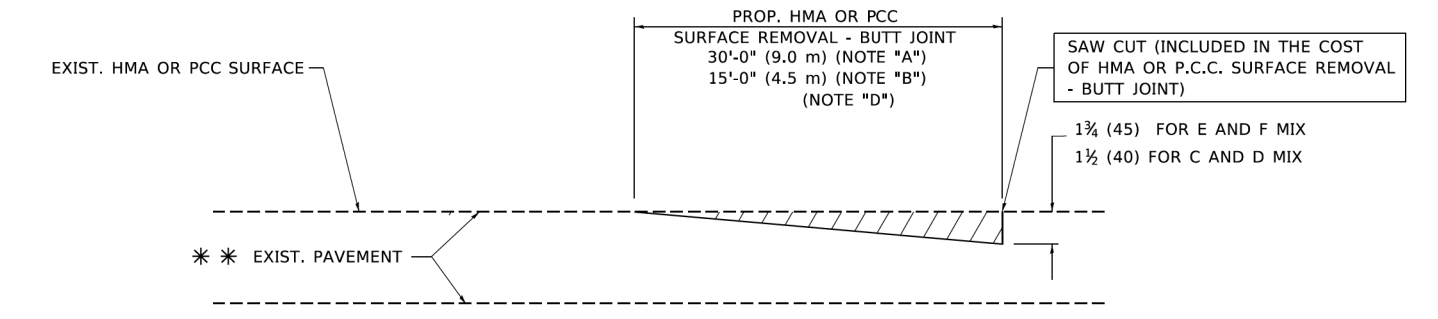
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

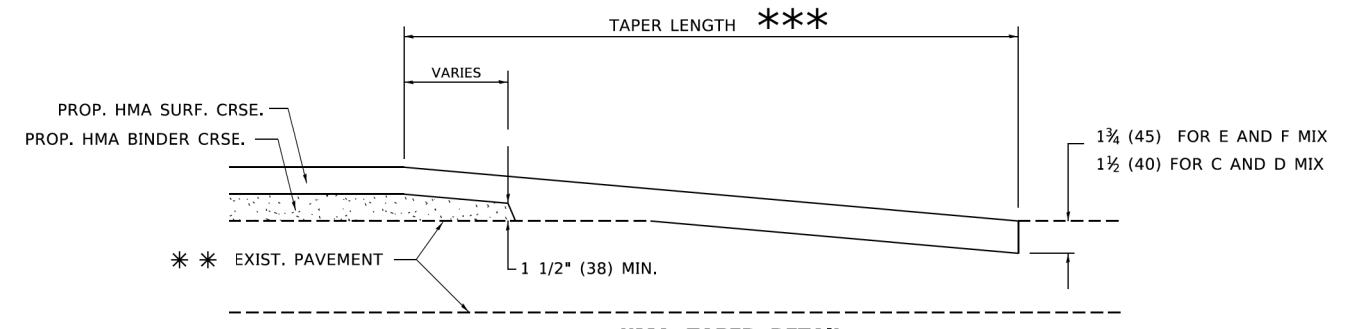


**BUTT JOINT AND HMA TAPER**

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



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

**NOTES**

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

**BASIS OF PAYMENT**

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

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

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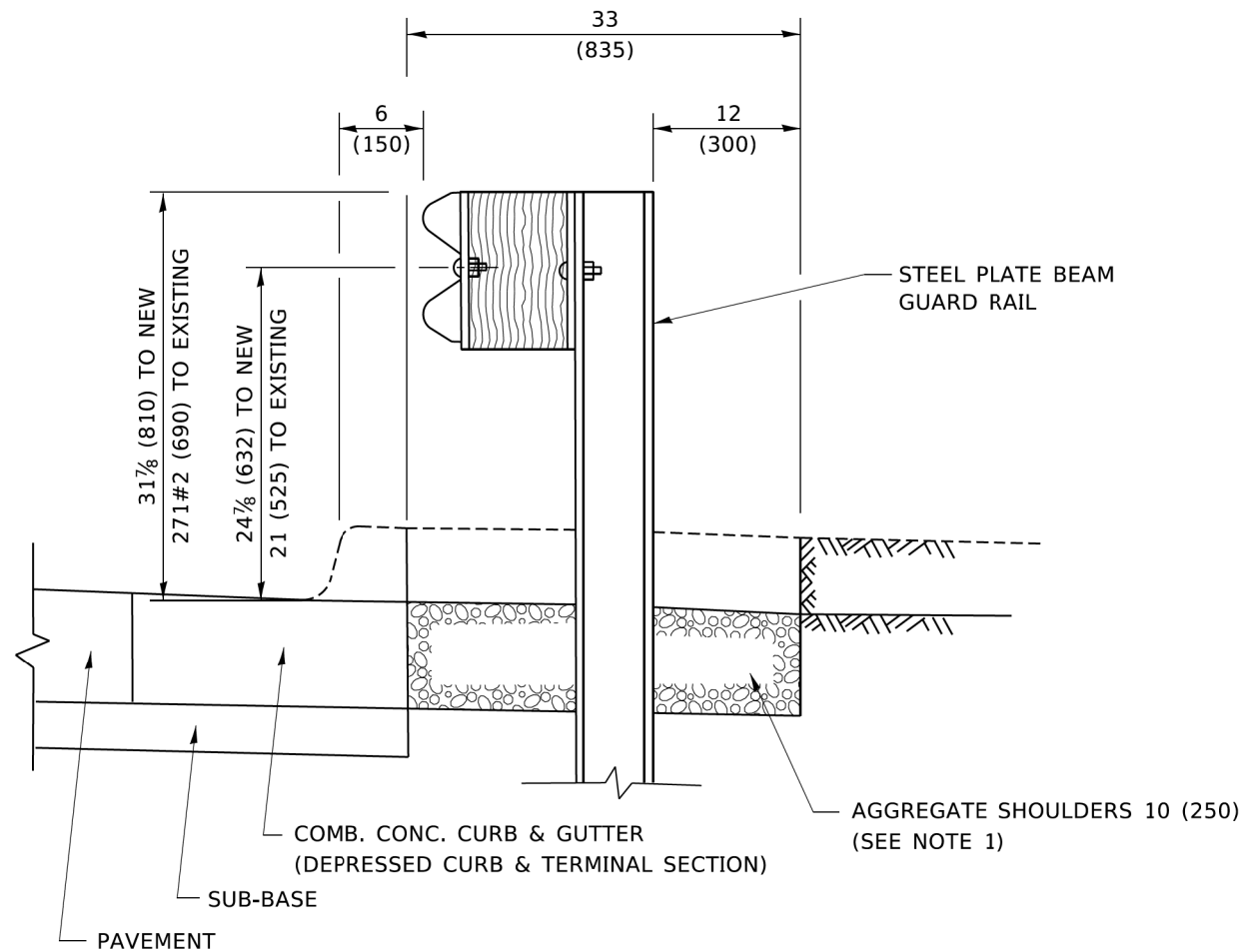
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND HMA TAPER DETAILS**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	184
BD400-05 BD32		CONTRACT NO. 61G85		
ILLINOIS FED. AID PROJECT				



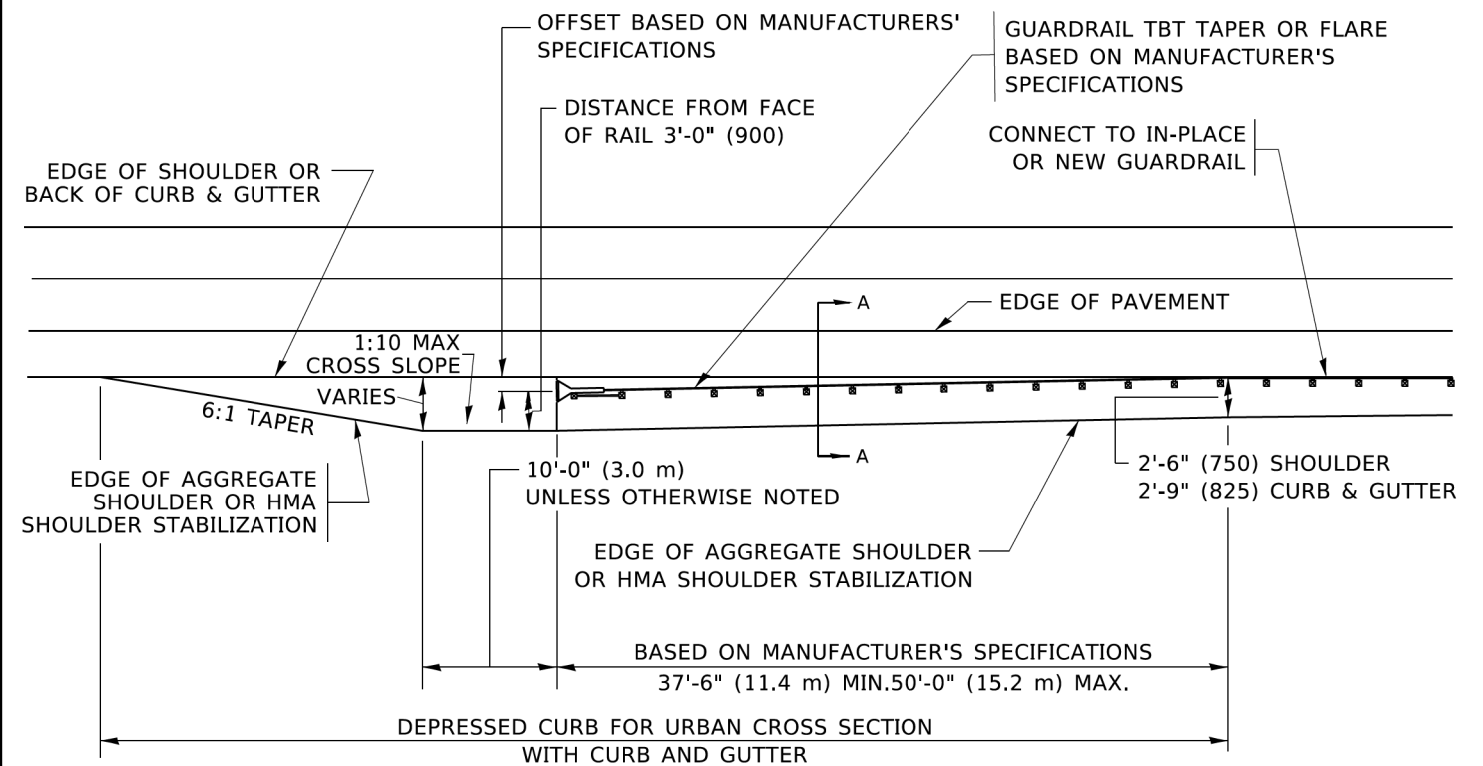
**SECTION A-A**

**NOTES:**

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER**

**[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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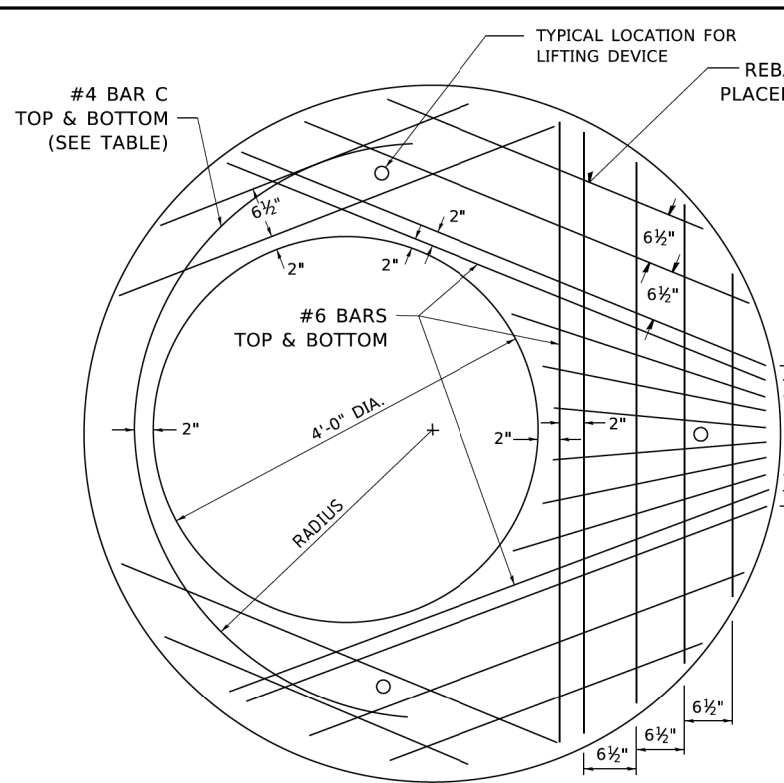
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PLOT DATE = 3/27/2019	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

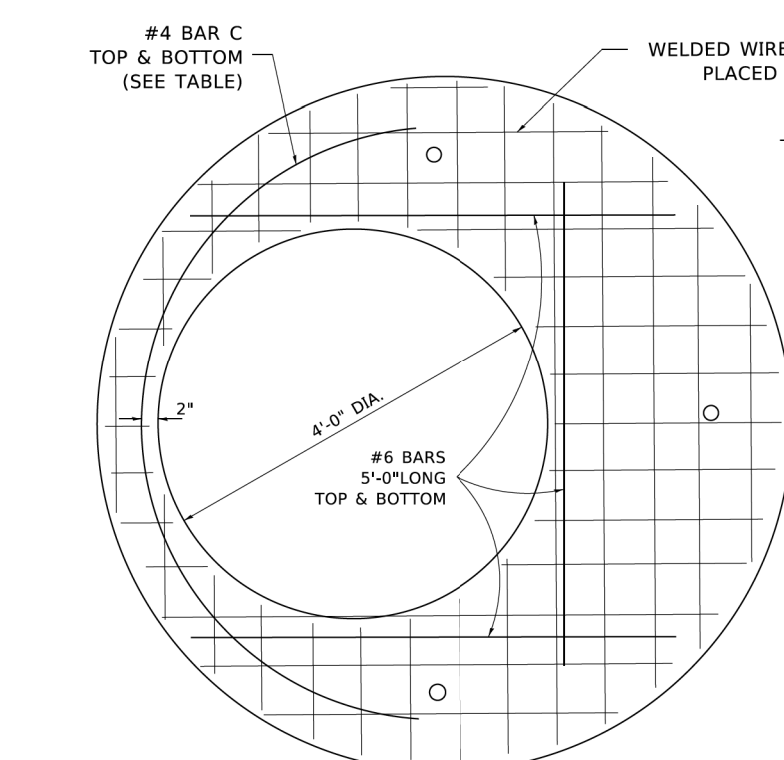
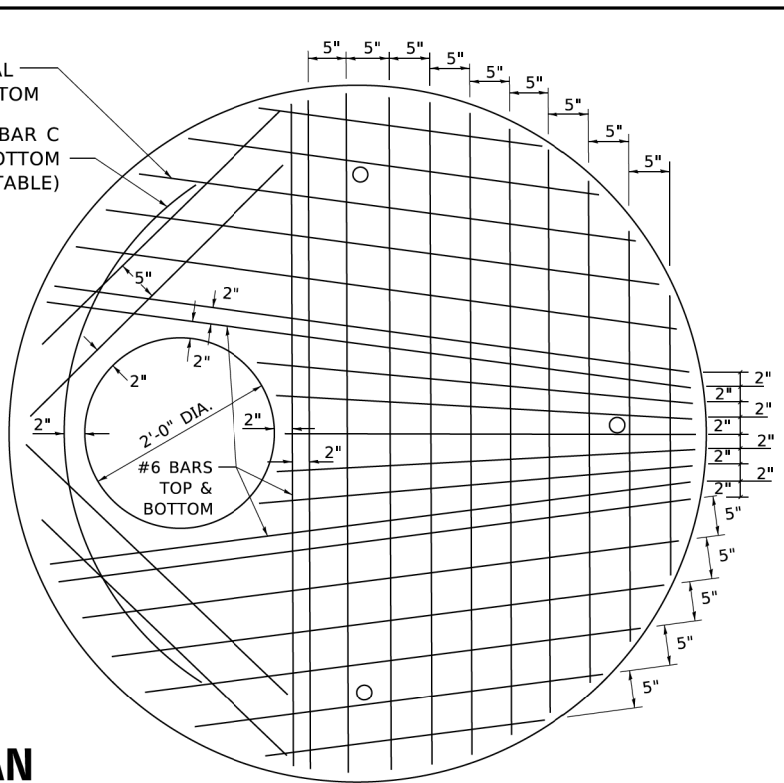
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	185
BD600-10 (BD 34)		CONTRACT NO. 61G85		
ILLINOIS FED. AID PROJECT				



**PLAN**

SHOWING REBAR REINFORCEMENT



**PLAN**

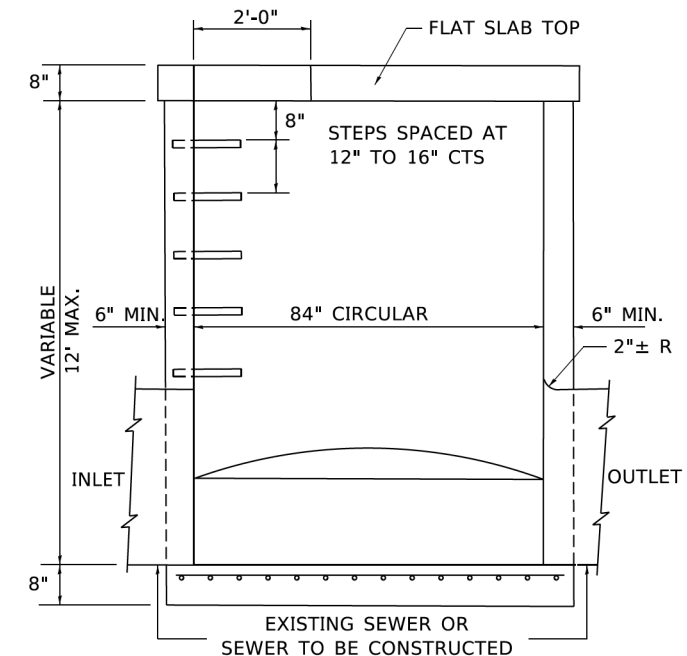
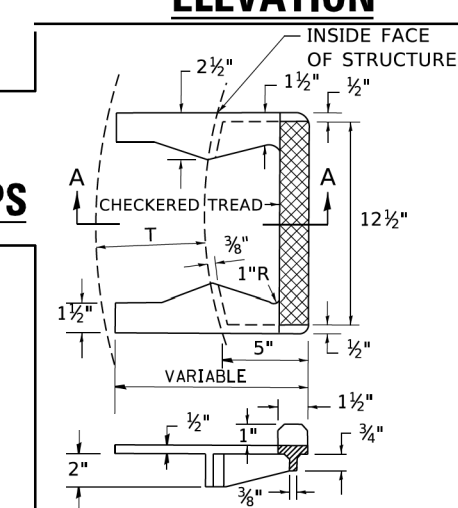
SHOWING WELDED WIRE FABRIC REINFORCEMENT

NOTE:  
THIS STRUCTURE SHOULD BE USED WITH PIPES  
SIZE 54" DIA. OR SMALLER.

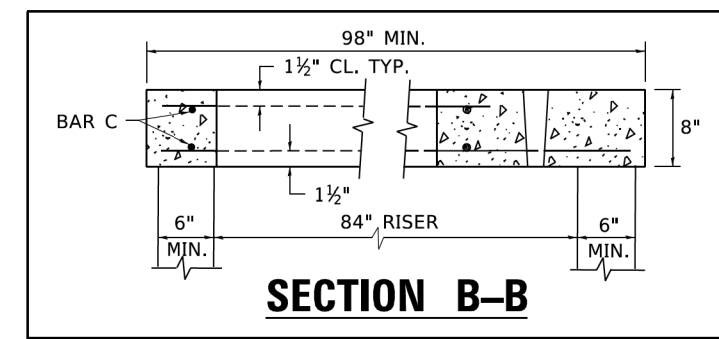
**TABLE**

DIAMETER OF OPENING	REINFORCEMENT "A <sub>s</sub> " WWF OR BAR SIZE EACH DIRECTION	BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

**SEC. A-A  
CAST IRON STEPS**

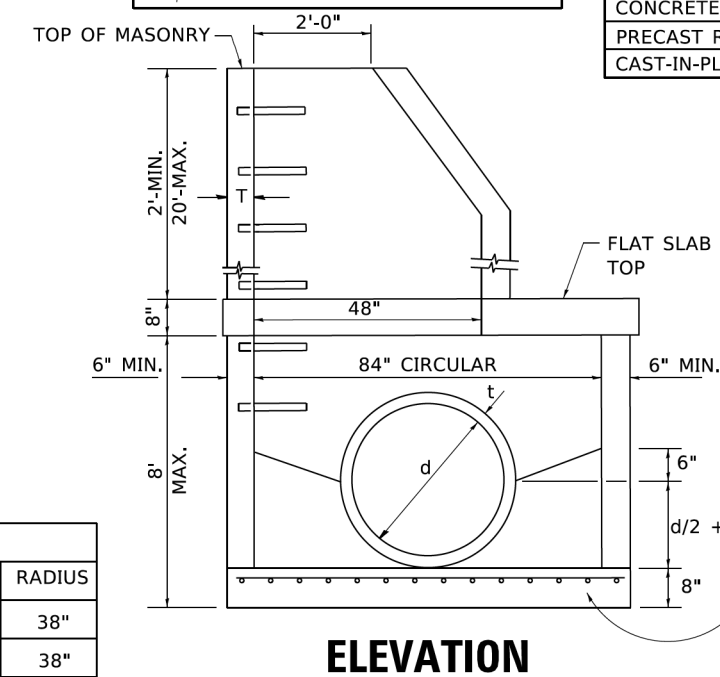


**ELEVATION**

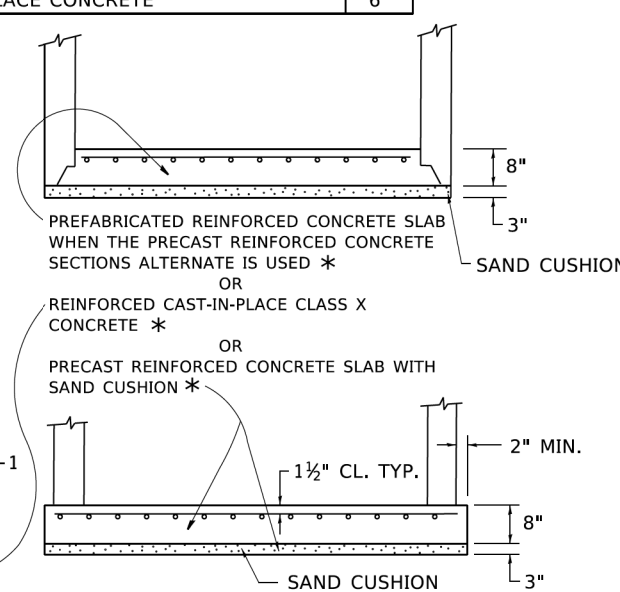


**SECTION B-B**

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



**ELEVATION**



**GENERAL NOTES**

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

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PROJECT: 15-00125-00-PV  
DATE: 10-18-02

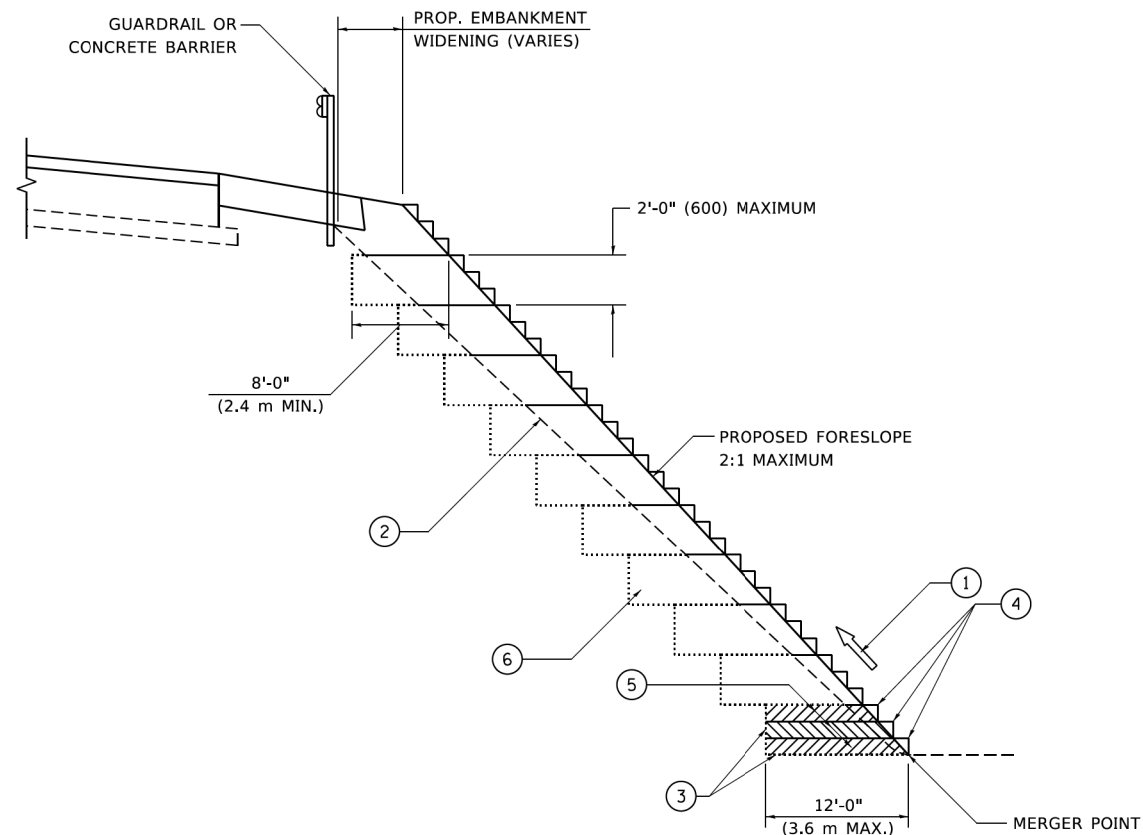
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	DATE = 10-18-02	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MANHOLE TYPE A  
7 FOOT DIAMETER

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

FAU R.T.E. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 186
BD600-11 (BD-37)		CONTRACT NO. 61C85		
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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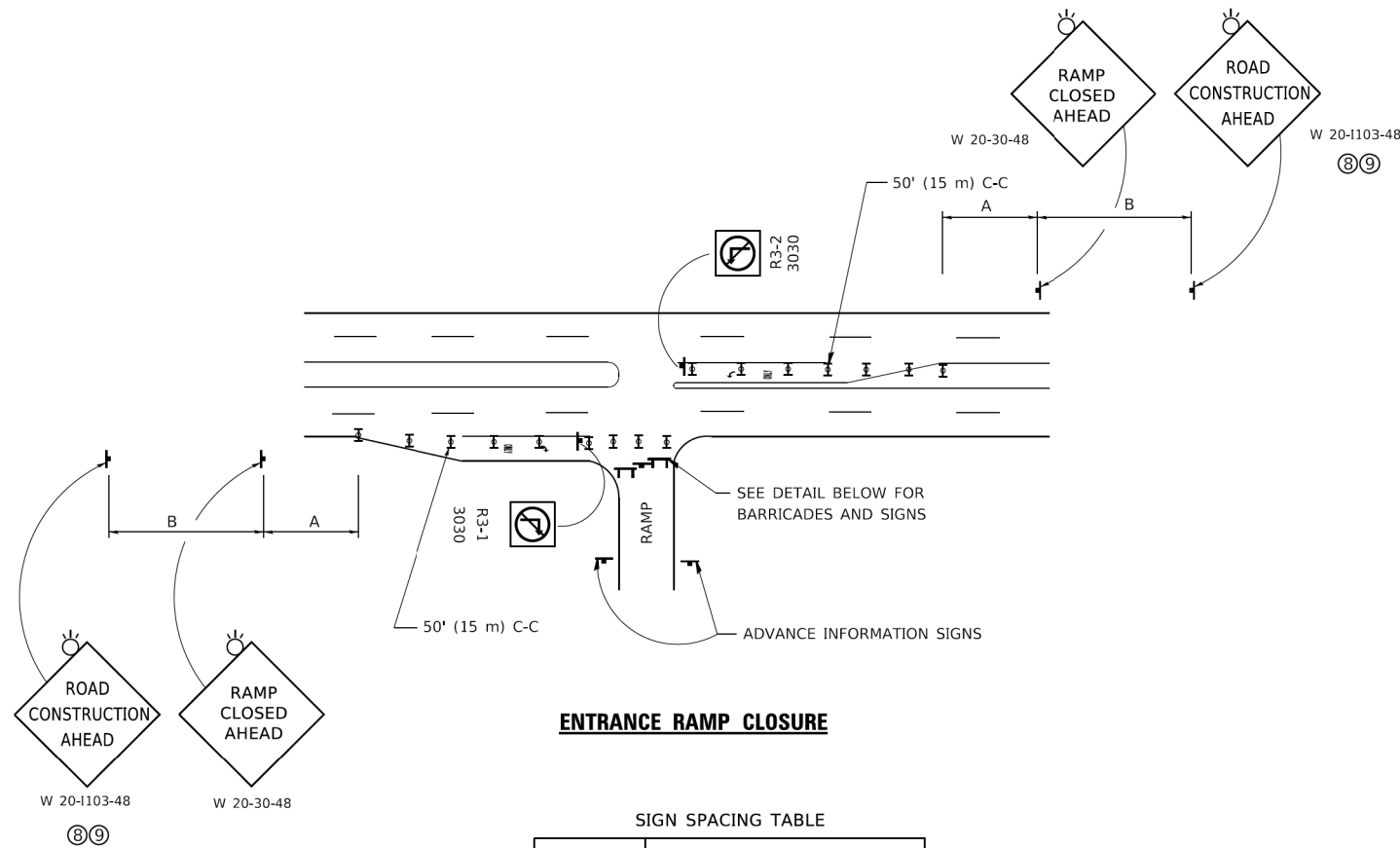
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PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL  
FOR EMBANKMENT WIDENING**

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

FMI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	186A
<b>BD-51</b>			CONTRACT NO. <b>61G85</b>	
ILLINOIS FED. AID PROJECT				

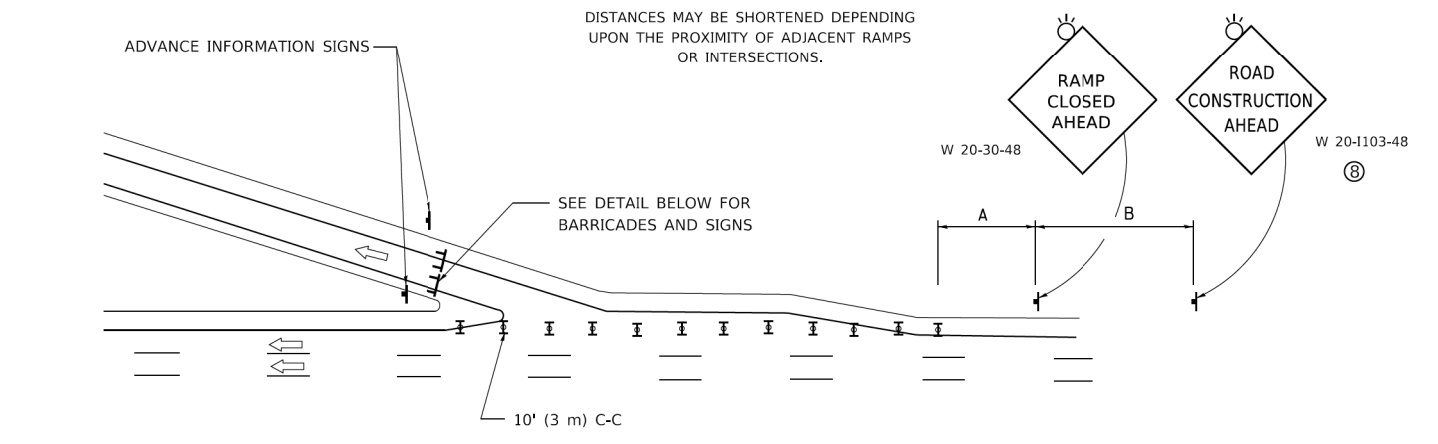


**ENTRANCE RAMP CLOSURE**

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

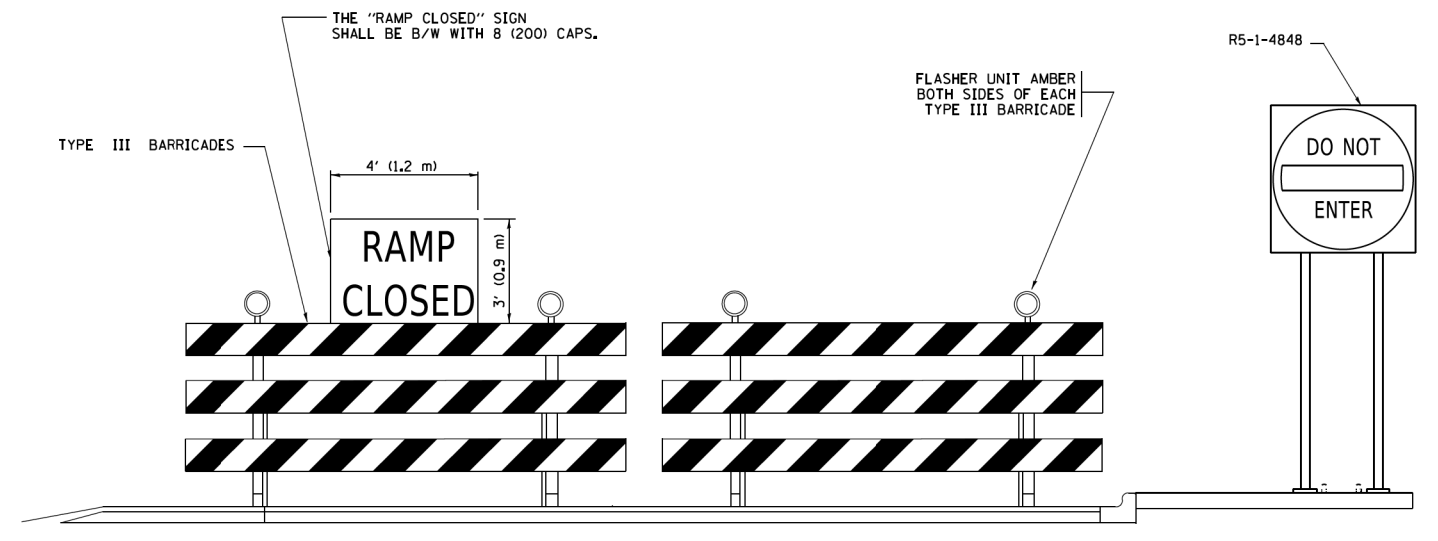
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

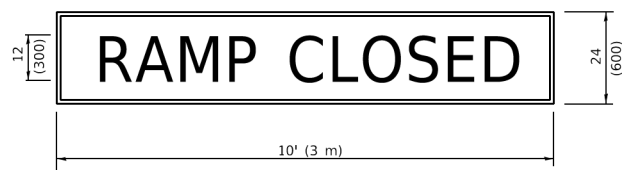
**SYMBOLS**

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



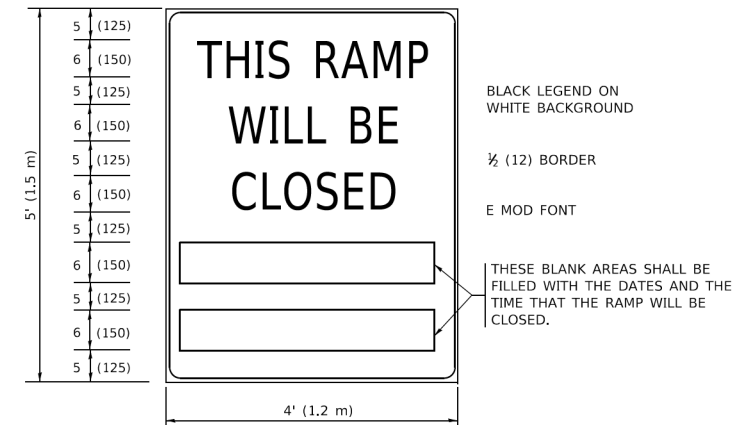
**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND  
1/2 (12) BORDER  
E MOD FONT  
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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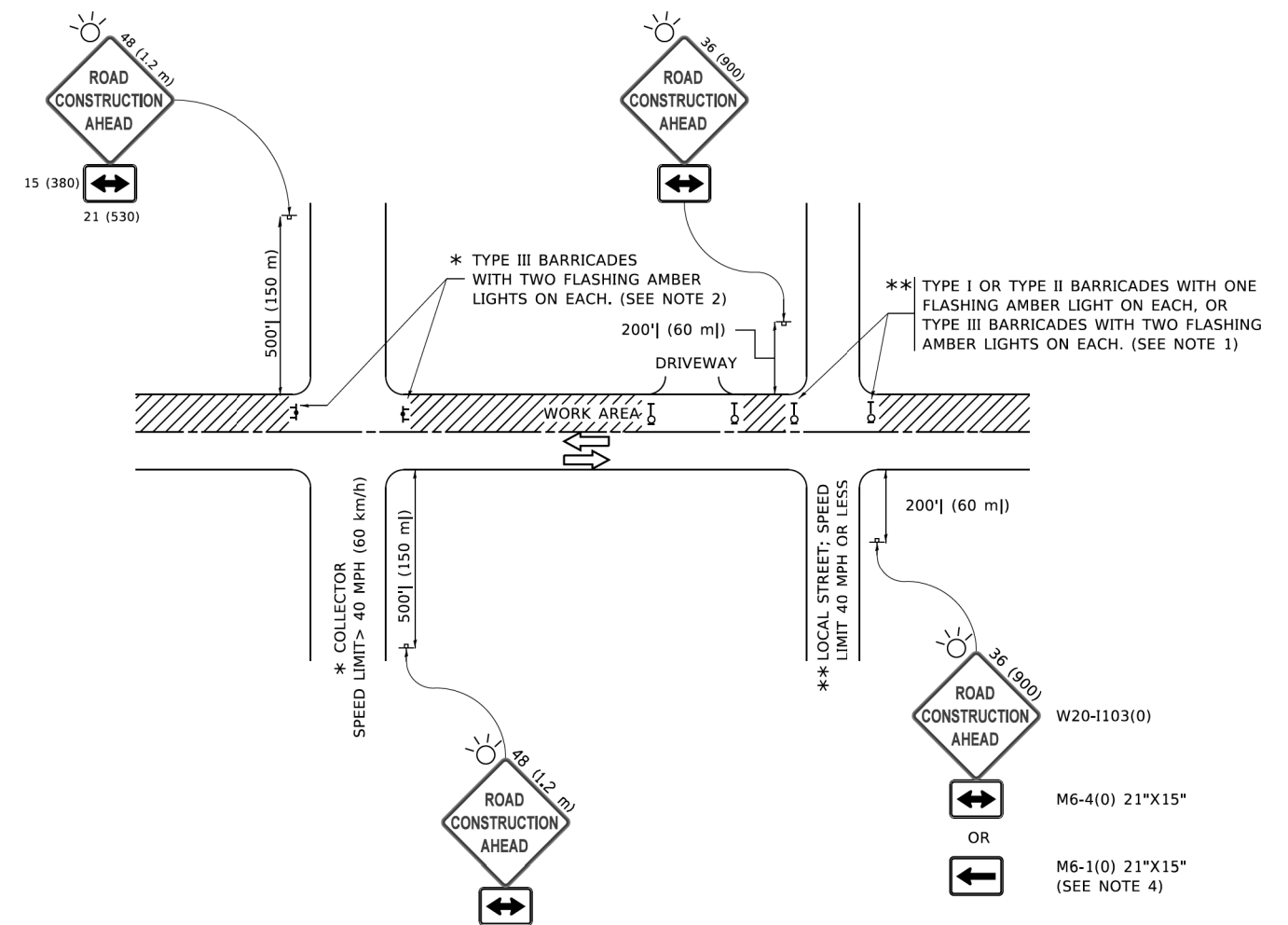
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

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

FBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	186B
TC-08			CONTRACT NO. 61C85	
ILLINOIS FED. AID PROJECT				





**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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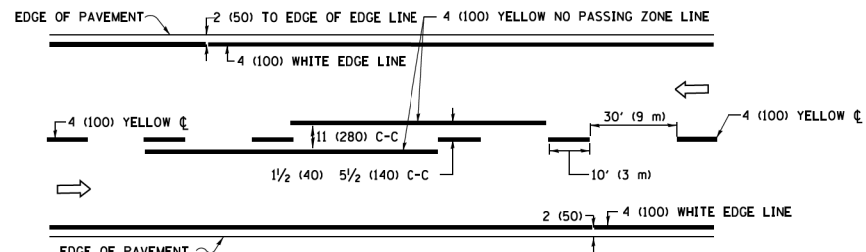
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

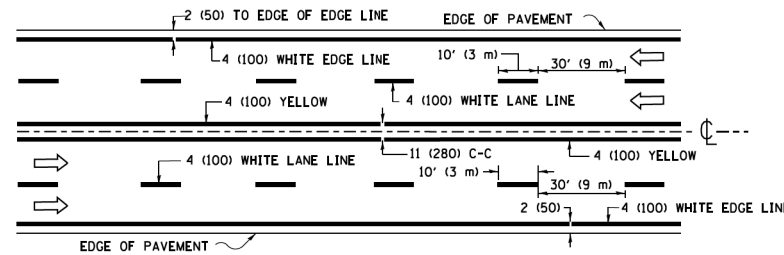
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

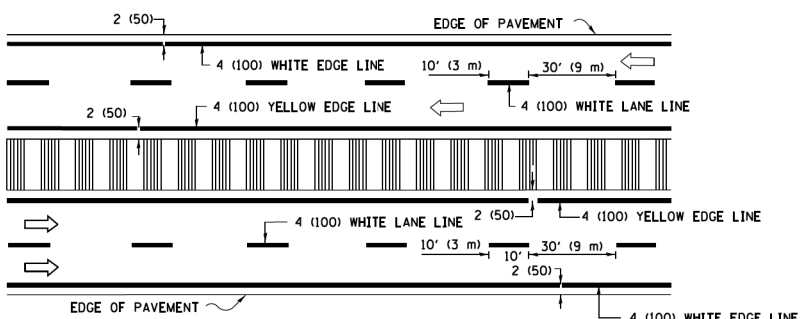
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1265	15-00125-00-PV	LAKE	293	187
<b>TC-10</b>		CONTRACT NO. <b>61G85</b>		
ILLINOIS   FED. AID PROJECT				



**2-LANE ROADWAY**

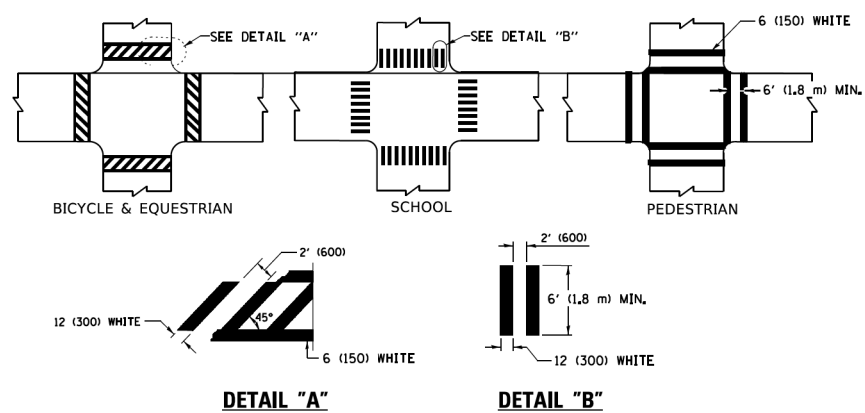


**MULTI-LANE UNDIVIDED**



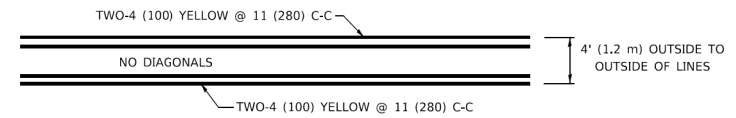
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

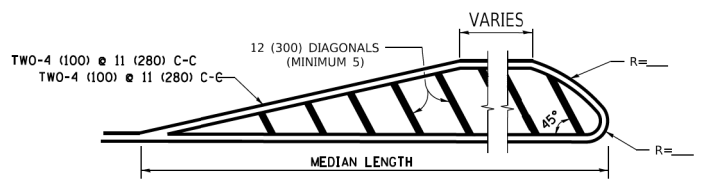


**TYPICAL CROSSWALK MARKING**

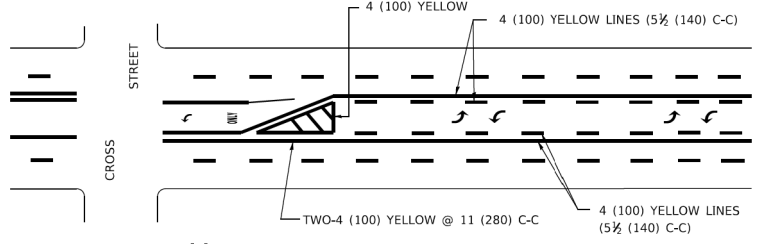
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



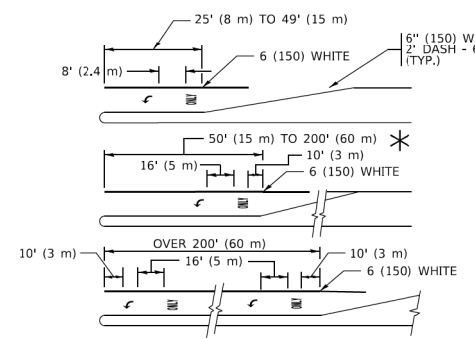
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**

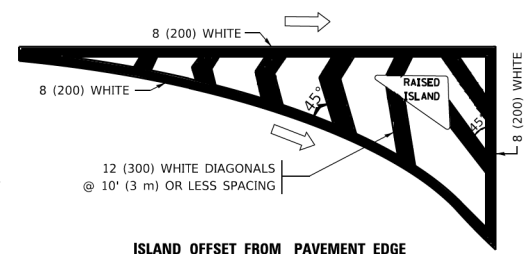


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

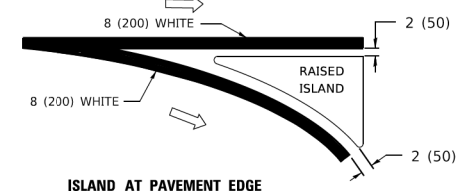


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

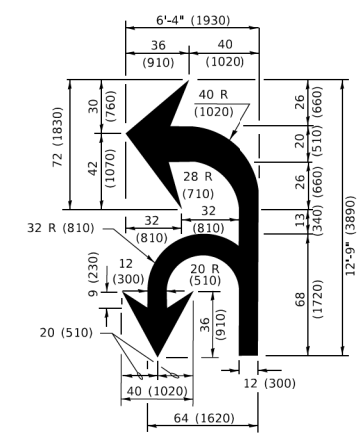


**ISLAND OFFSET FROM PAVEMENT EDGE**

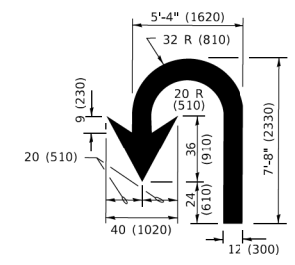


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) APART 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> EACH) "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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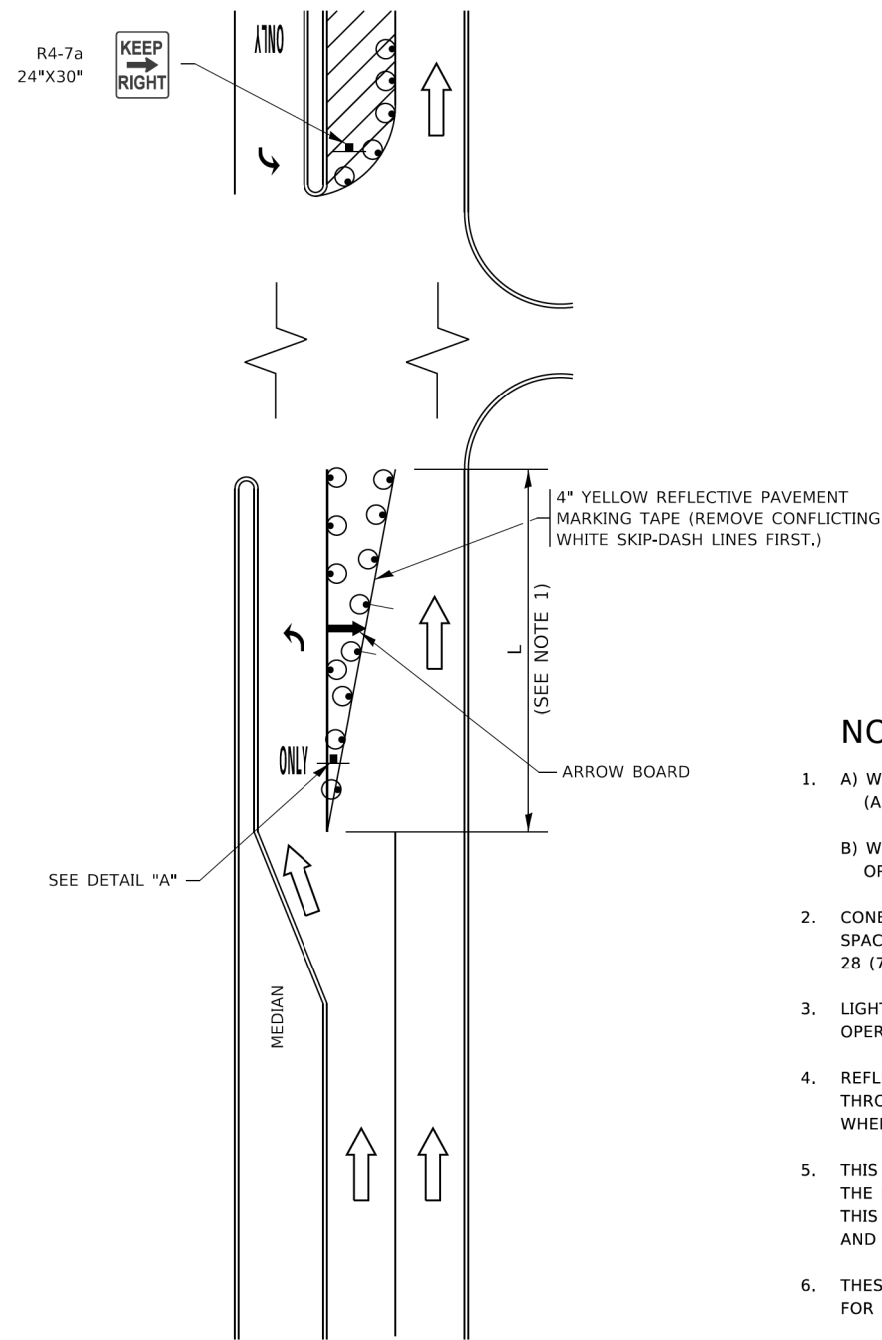
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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>		FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		1265	15-00125-00-PV	LAKE	293	188
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	<b>TC-13</b>		
				ILLINOIS / FED. AID PROJECT		

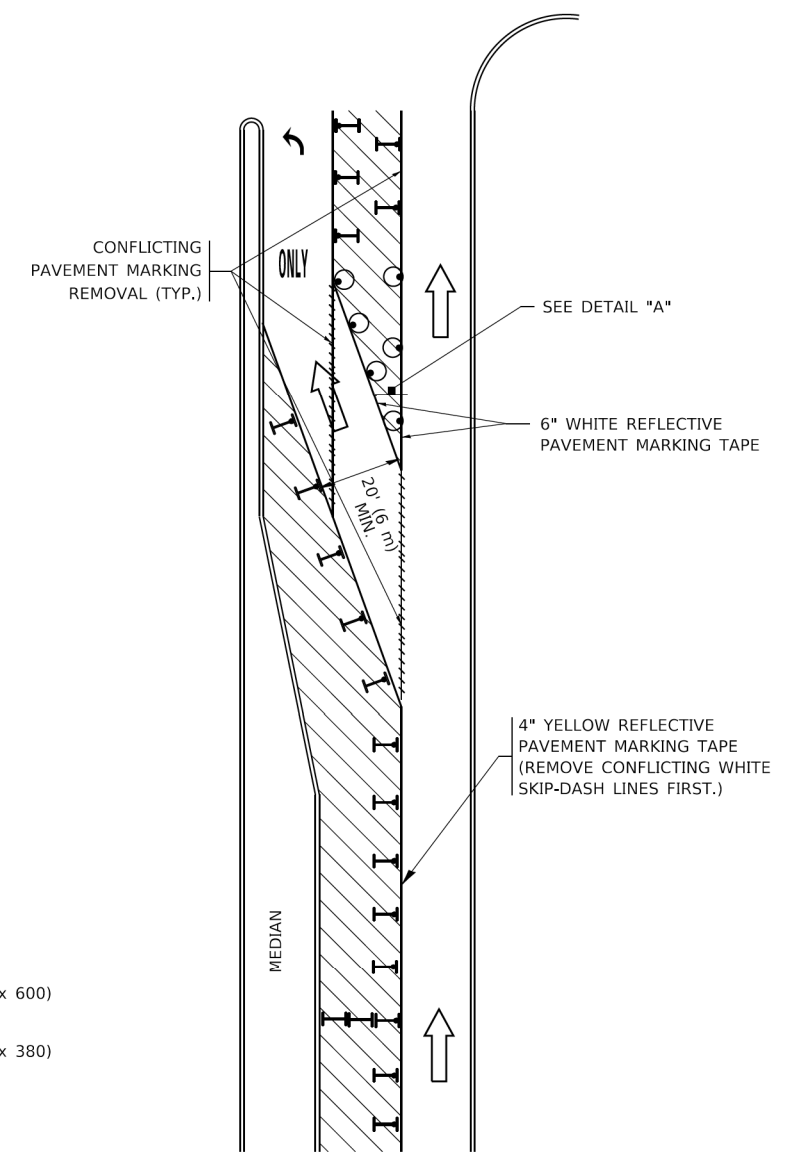
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<b>TYPICAL PAVEMENT MARKINGS</b>		1265	15-00125-00-PV	LAKE	293	188
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	<b>TC-13</b>		
				ILLINOIS / FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

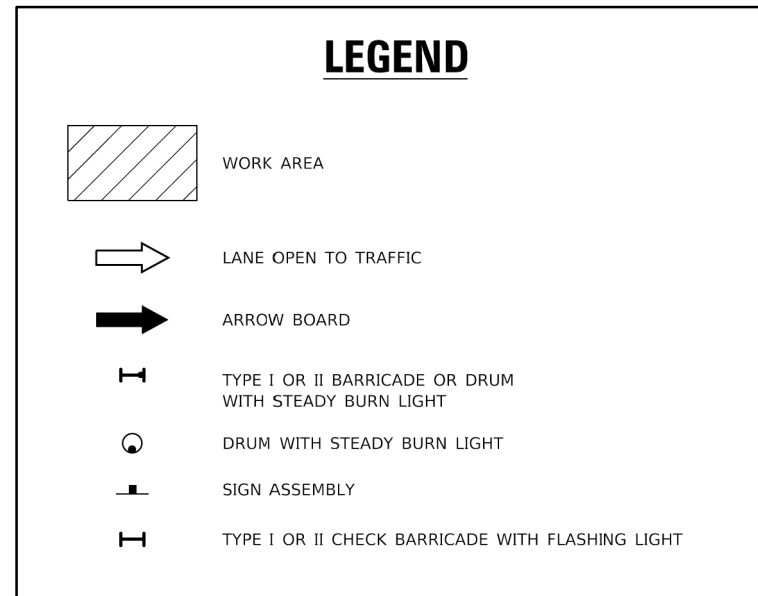


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

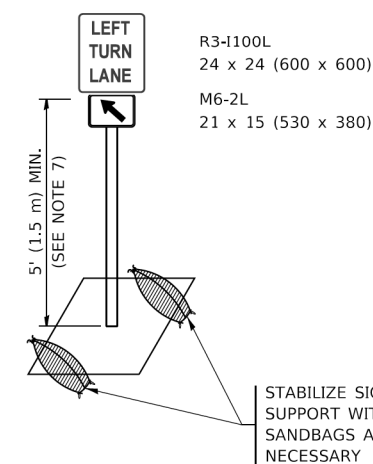


**FIGURE 2**



### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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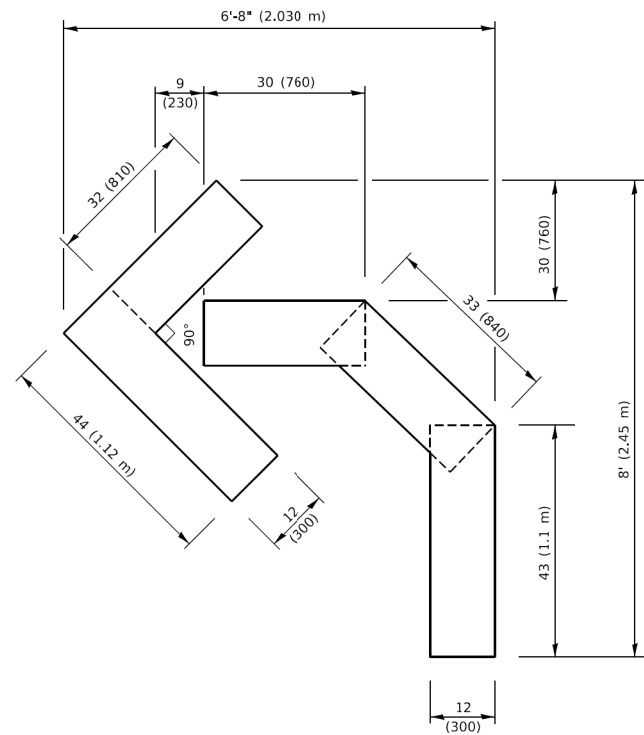
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

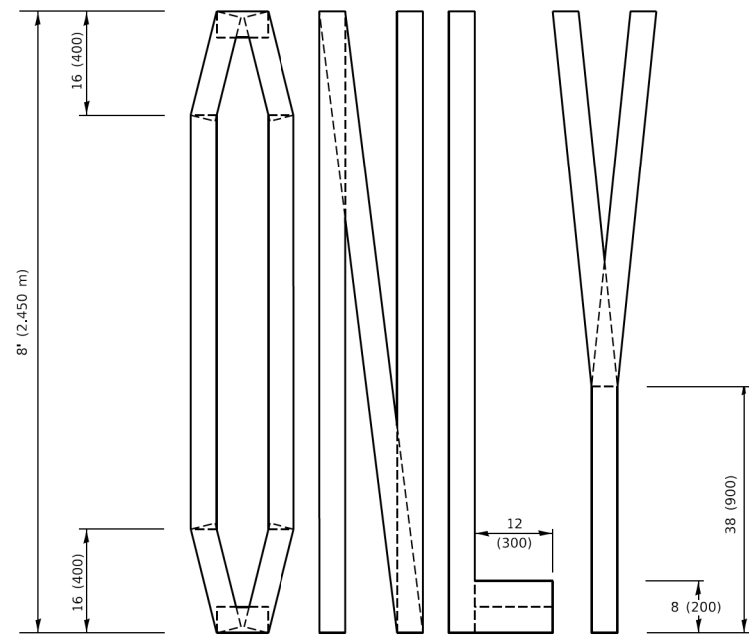
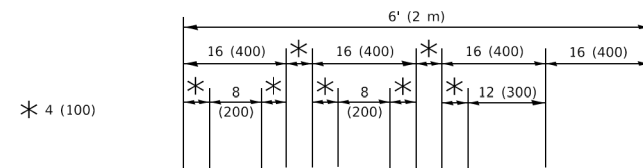
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 61G85		
ILLINOIS FED. AID PROJECT				



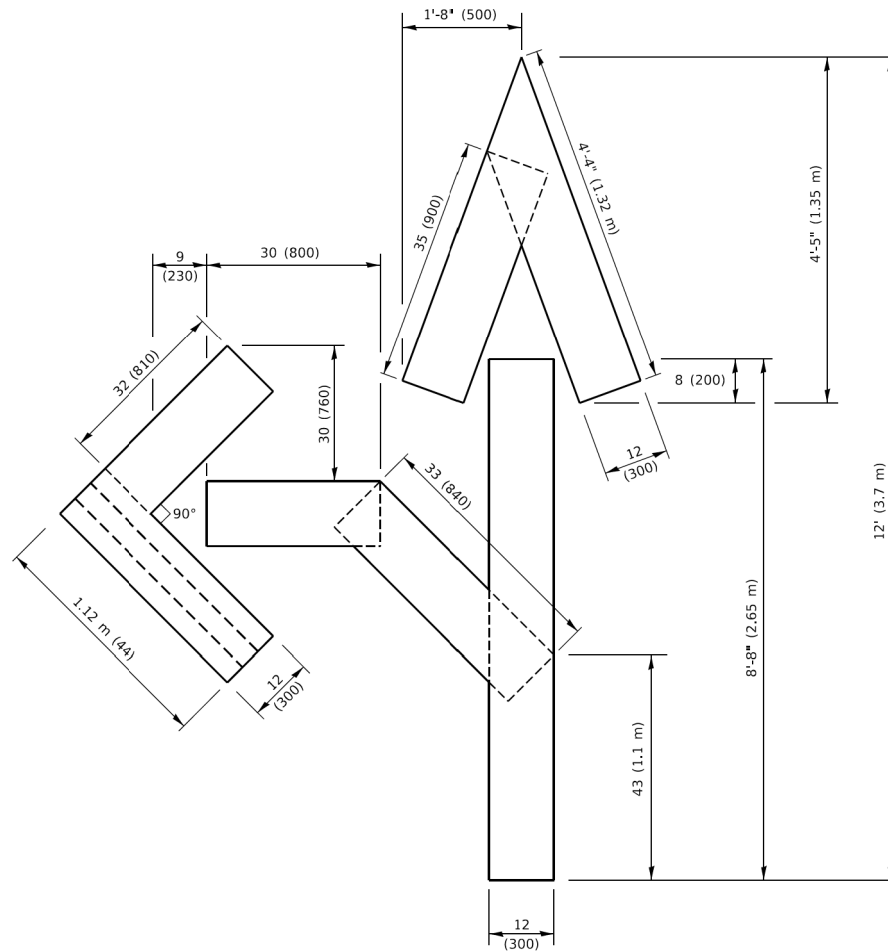
**QUANTITY**

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



**QUANTITY**

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

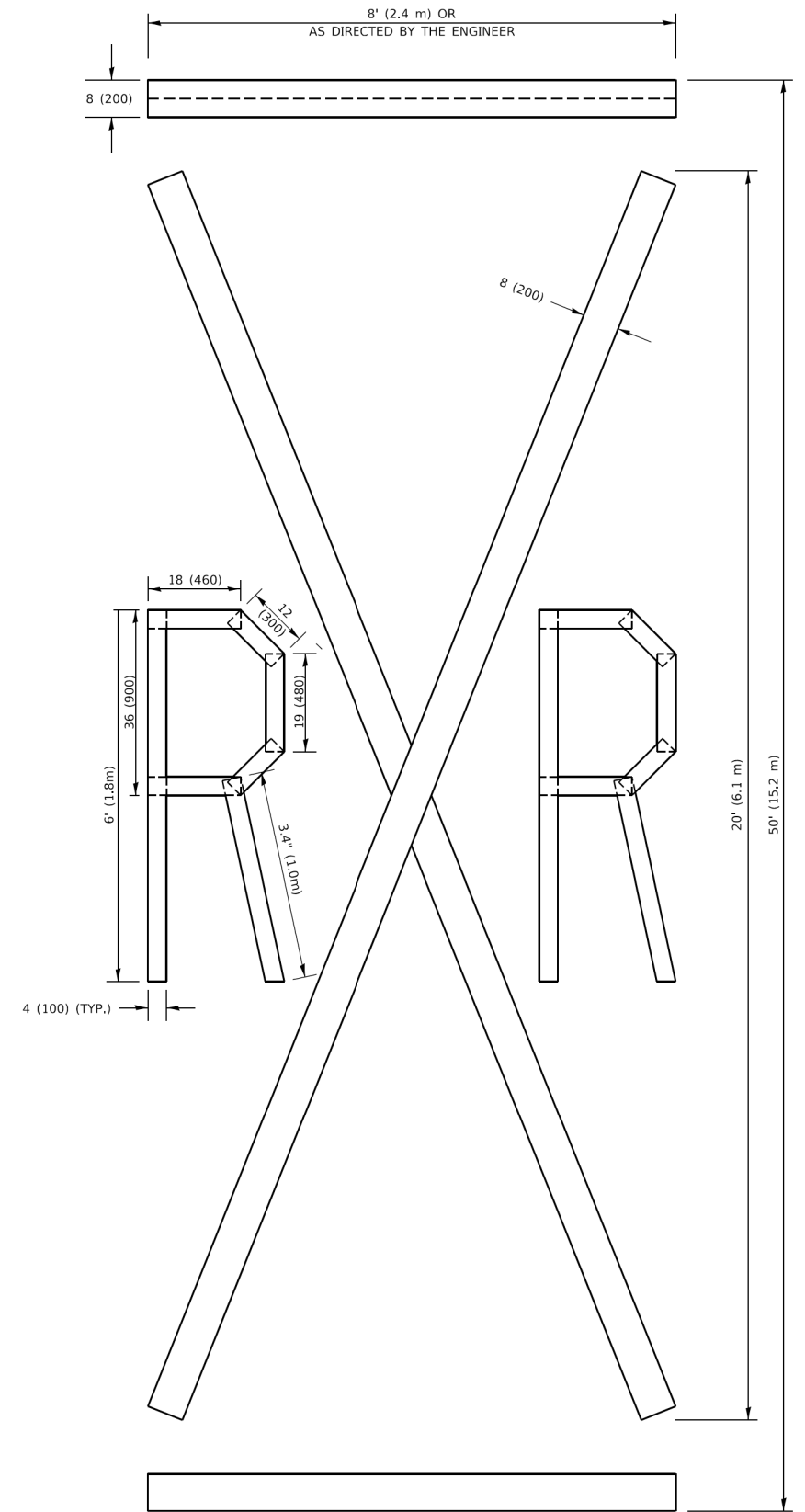


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

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DRAWN -	REVISOR - E. GOMEZ 08-28-00	
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

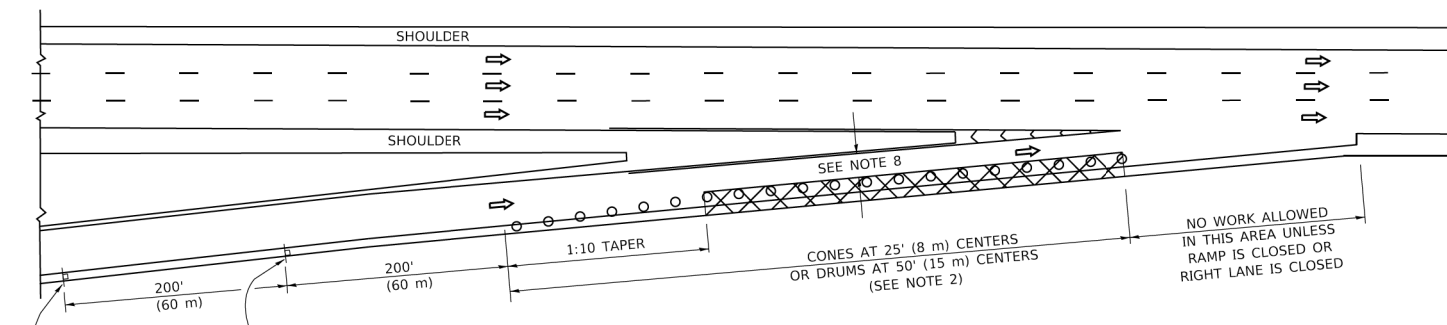
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

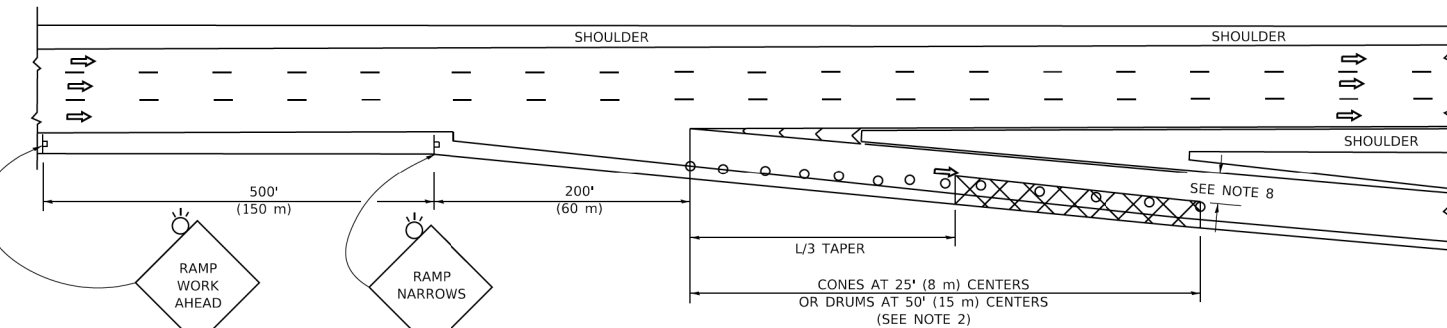
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-16</b>		CONTRACT NO. <b>61C85</b>		
		ILLINOIS FED. AID PROJECT		

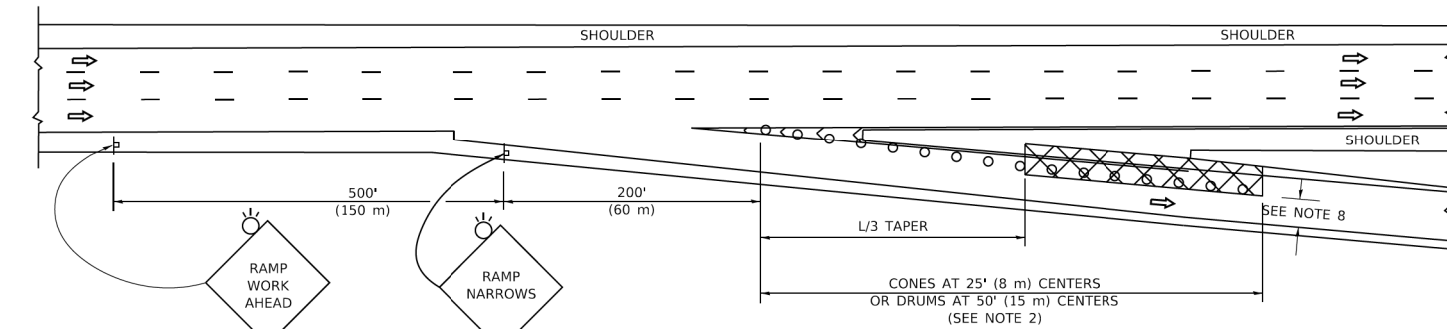
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

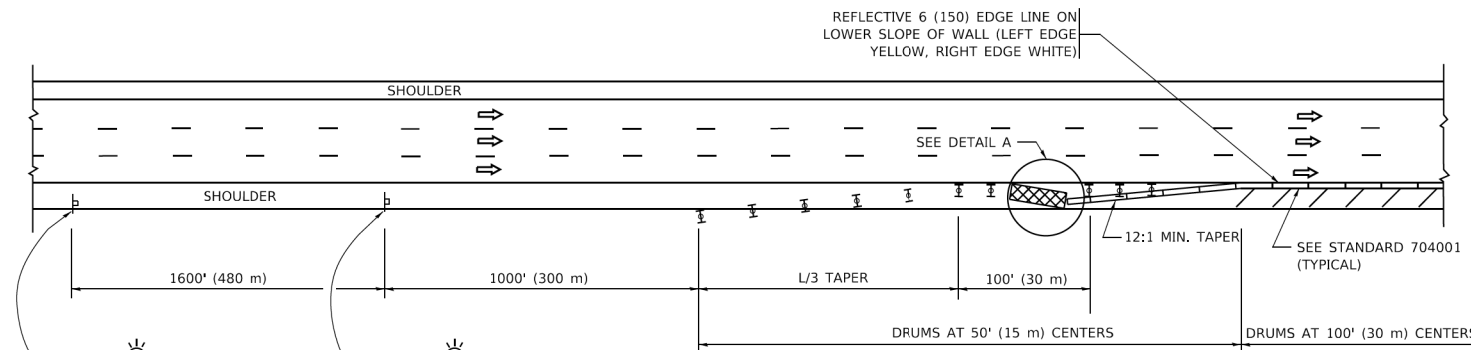
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES:**

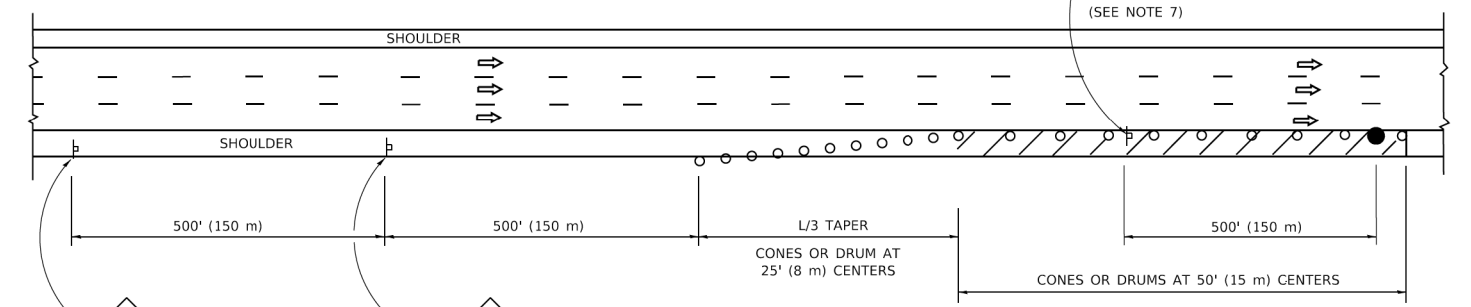
1. THE "L" DISTANCE EQUALS:
 

<u>SPEED LIMIT</u>	<u>FORMULAS</u>
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W/S)$ $L=(W/S)$
	$W = \text{WIDTH OF OFFSET IN FEET (METERS)}$
	$S = \text{NORMAL POSTED SPEED MPH (KM/H)}$
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

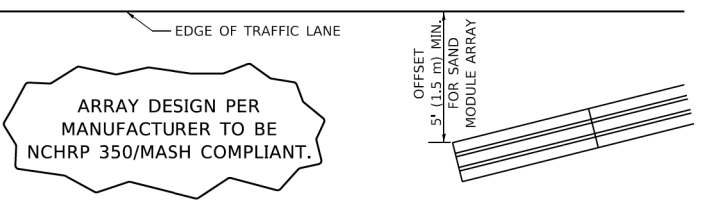
**SHOULDER CLOSURE DETAILS**



**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**



**DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

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

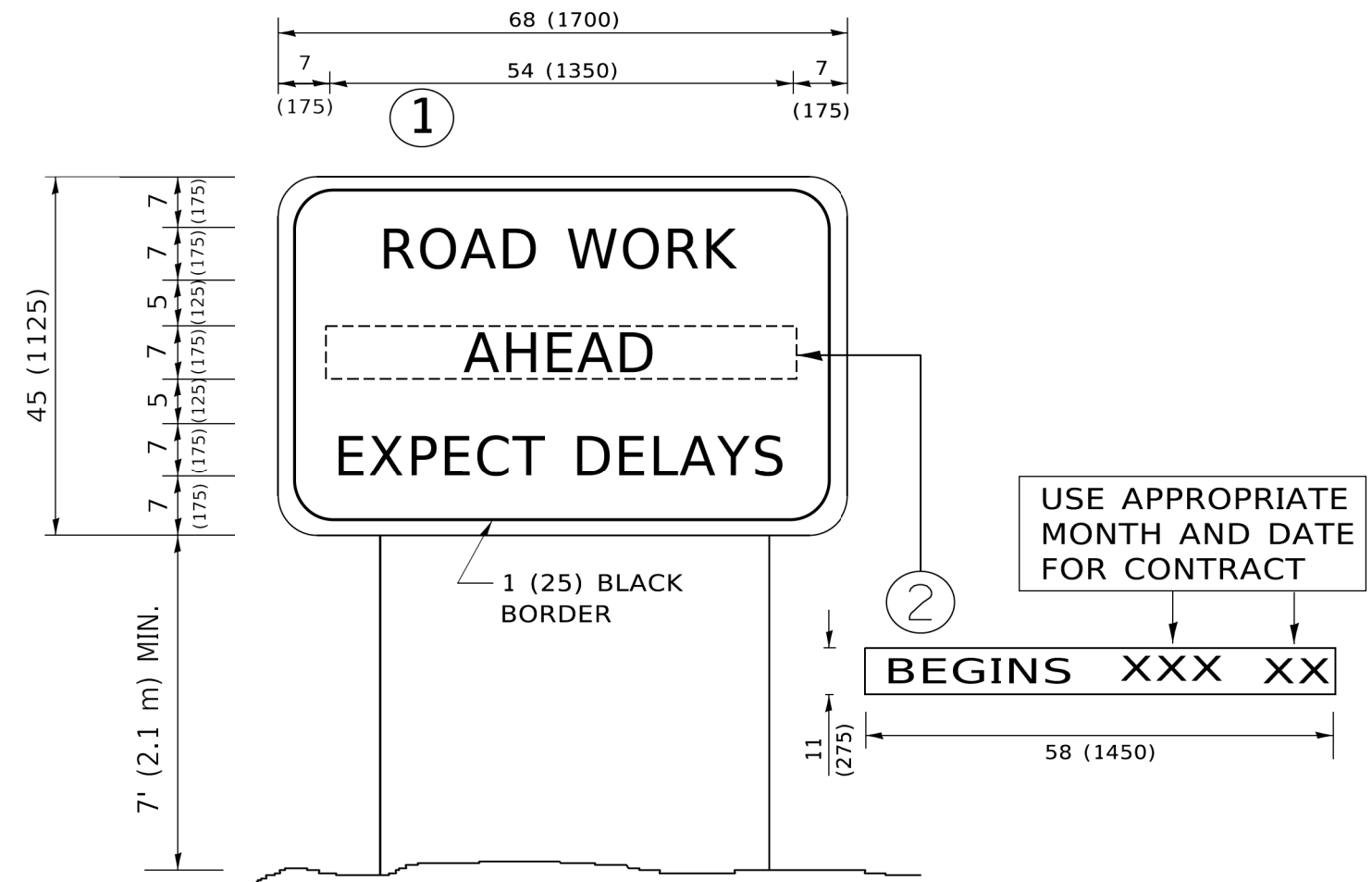
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PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

FBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	190A
<b>TC-17</b>		CONTRACT NO. 61G85		
ILLINOIS		FED. AID PROJECT		



**NOTES:**

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

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

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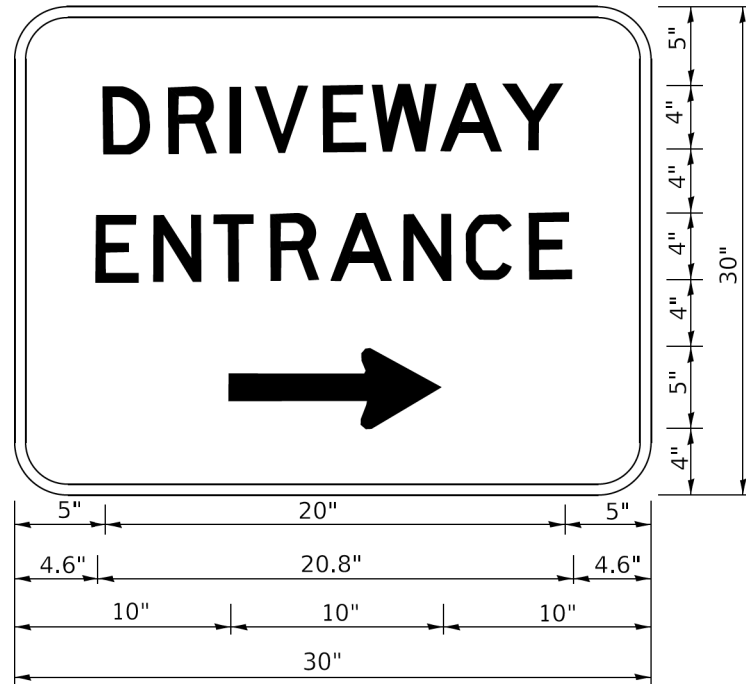
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	191
TC-22		CONTRACT NO. 61G85		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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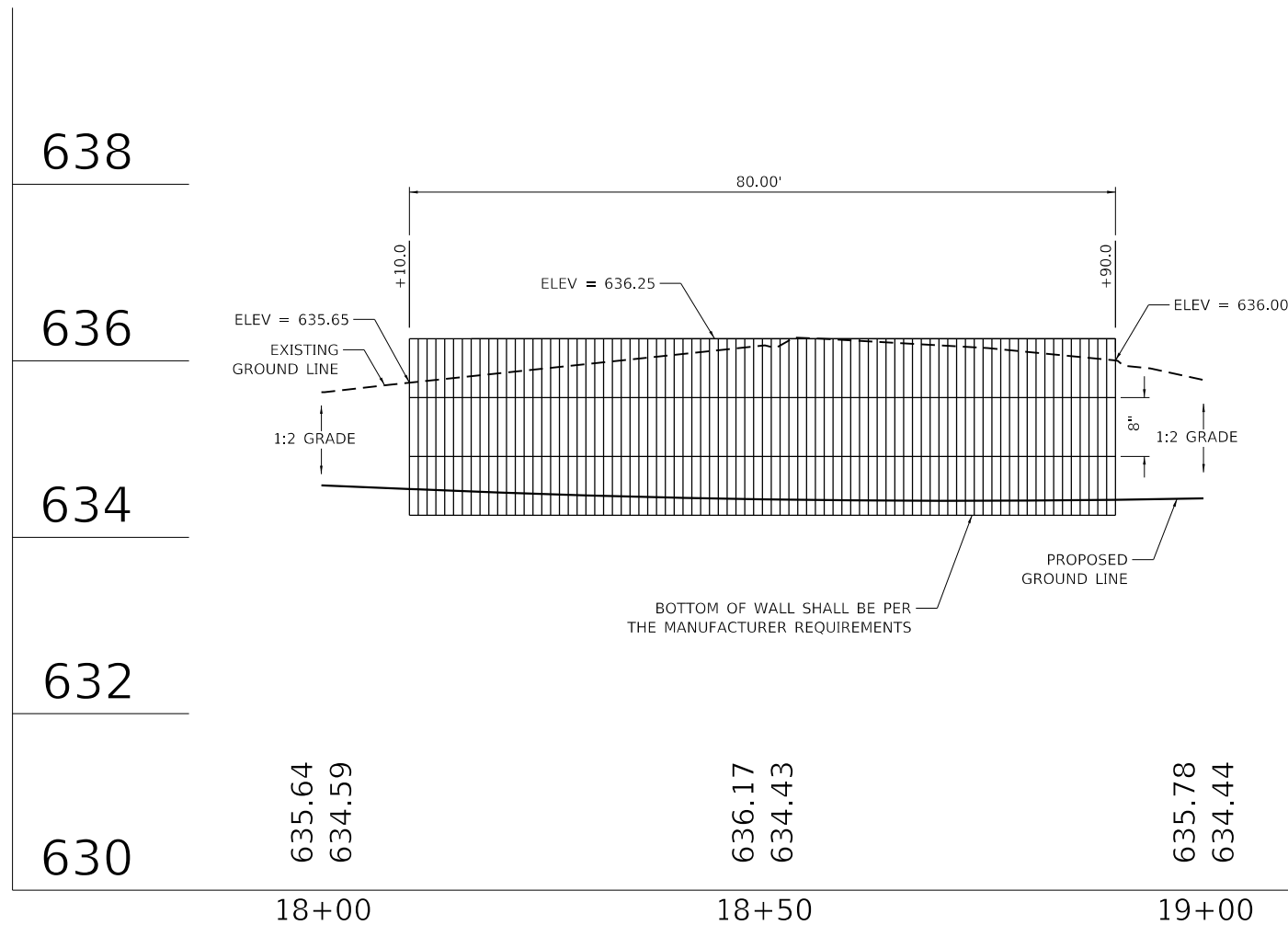
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

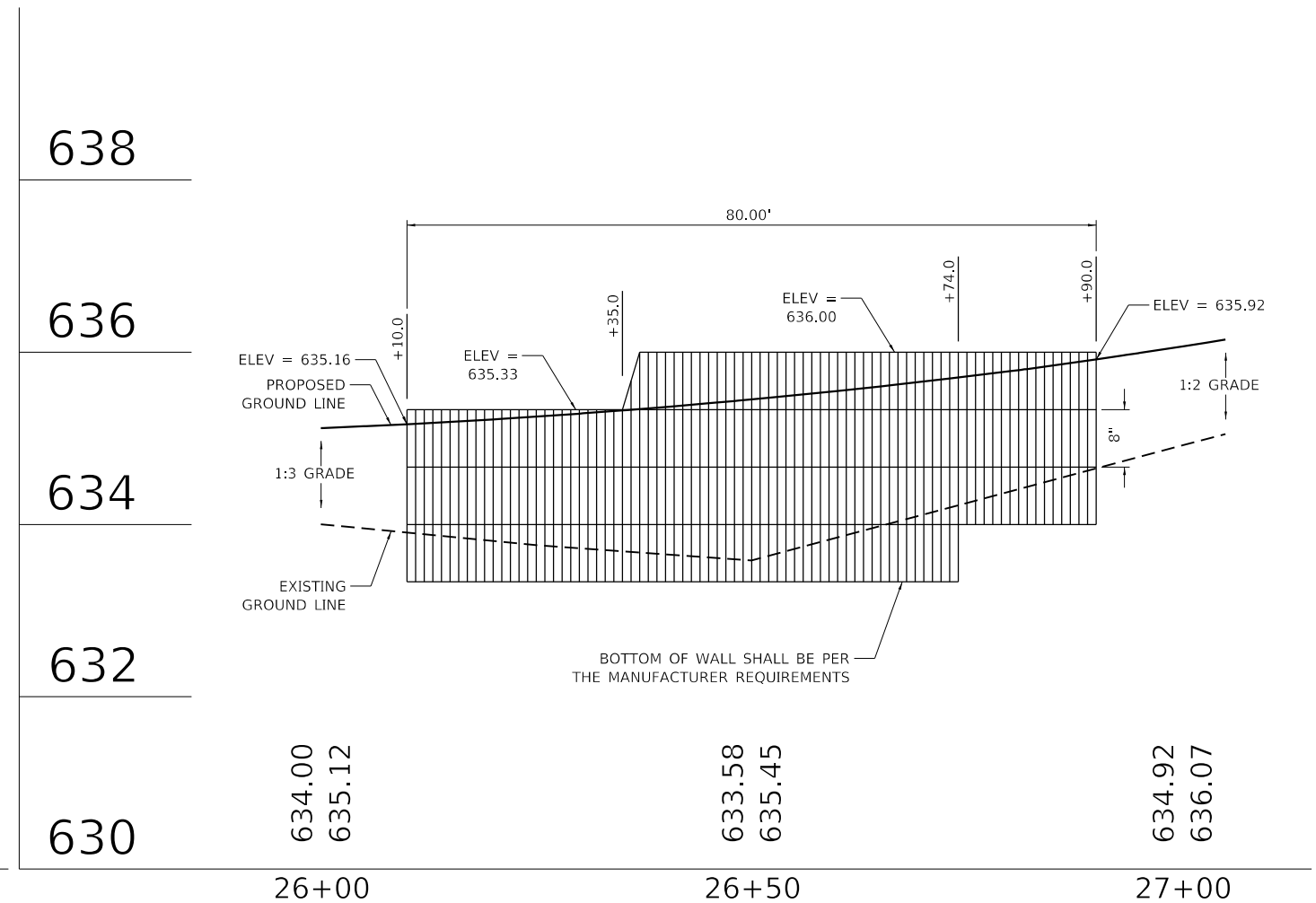
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	192
TC-26			CONTRACT NO. 61G85	
ILLINOIS FED. AID PROJECT				



SEGMENTAL CONCRETE BLOCK WALL DETAIL 1



SEGMENTAL CONCRETE BLOCK WALL DETAIL 2

**NOTES:**  
 BLOCK WALL ELEVATIONS ARE APPROXIMATE AND MAY VARY  
 DEPENDING ON MANUFACTURER. CONTRACTOR SHALL SUBMIT  
 SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.

DATE PLOTTED = 9/17/2021 7:30:59 AM  
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 PLOT SCALE = 20.0000' / 1"



USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

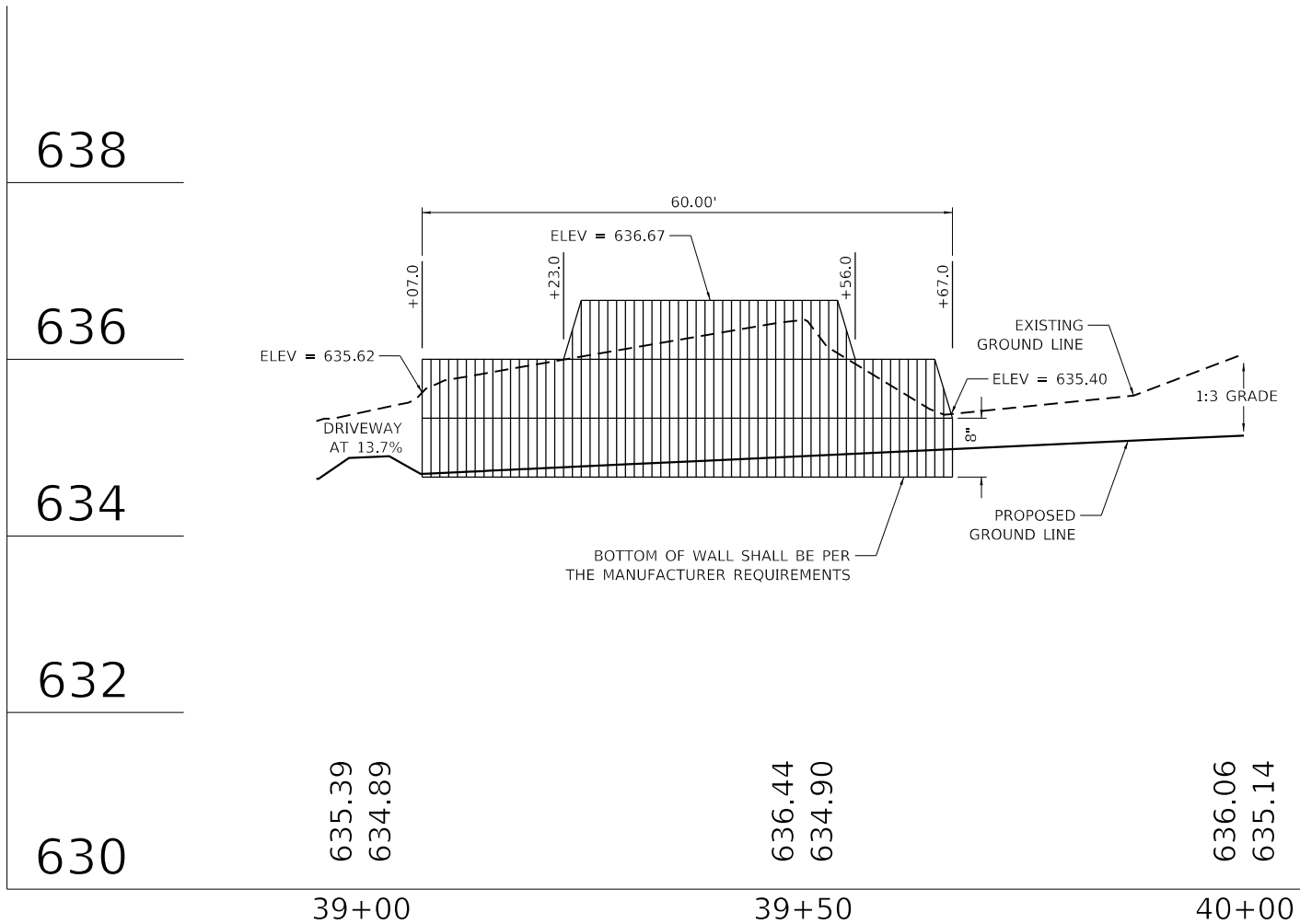
CLAVEY ROAD ROADWAY RECONSTRUCTION  
 SEGMENTAL BLOCK WALL DETAIL 1 & 2

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

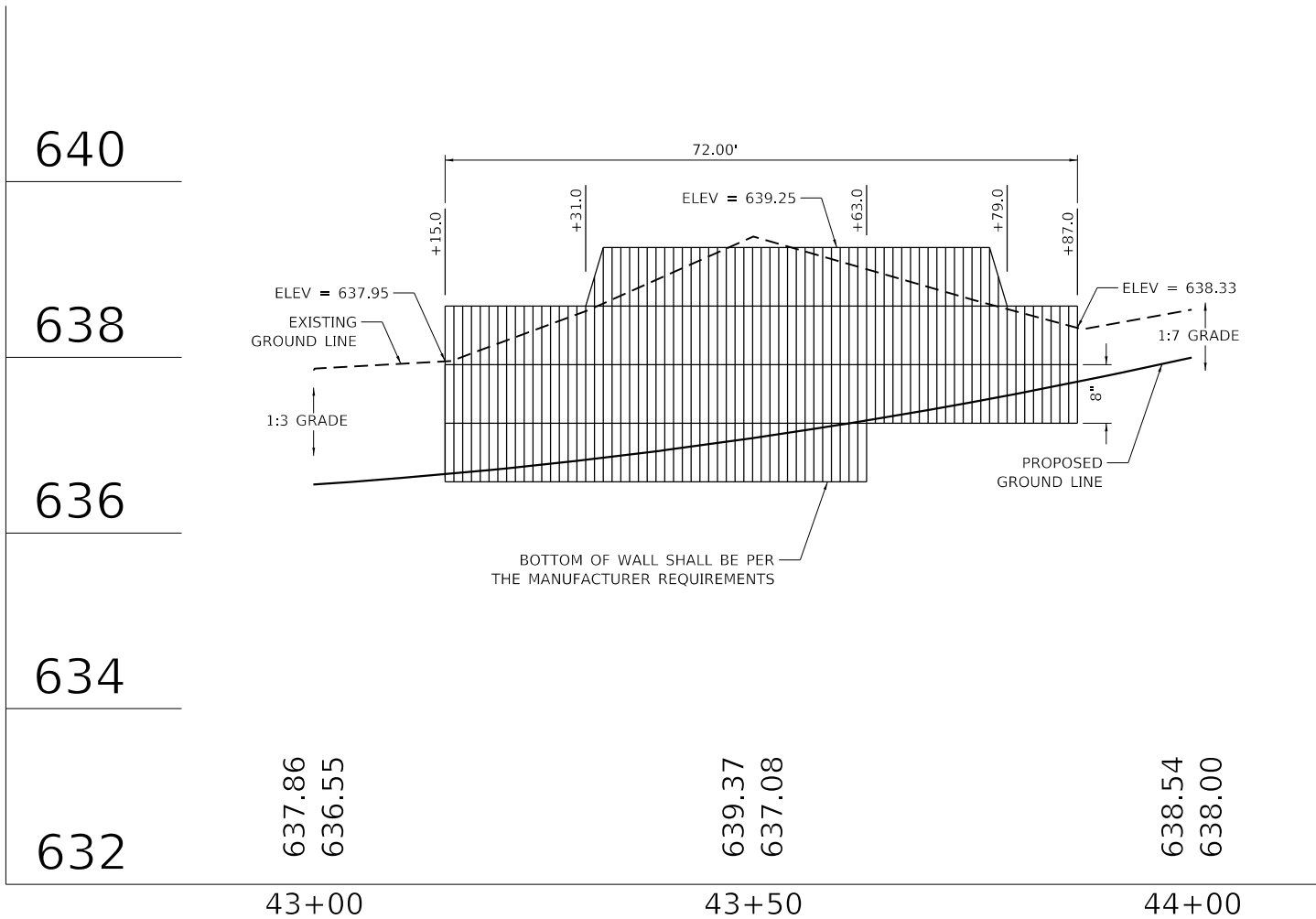
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	193
CONTRACT NO. 61G85				

ILLINOIS FED. AID PROJECT





SEGMENTAL CONCRETE BLOCK WALL DETAIL 3



SEGMENTAL CONCRETE BLOCK WALL DETAIL 4

**NOTES:**  
 BLOCK WALL ELEVATIONS ARE APPROXIMATE AND MAY VARY  
 DEPENDING ON MANUFACTURER. CONTRACTOR SHALL SUBMIT  
 SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.

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USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

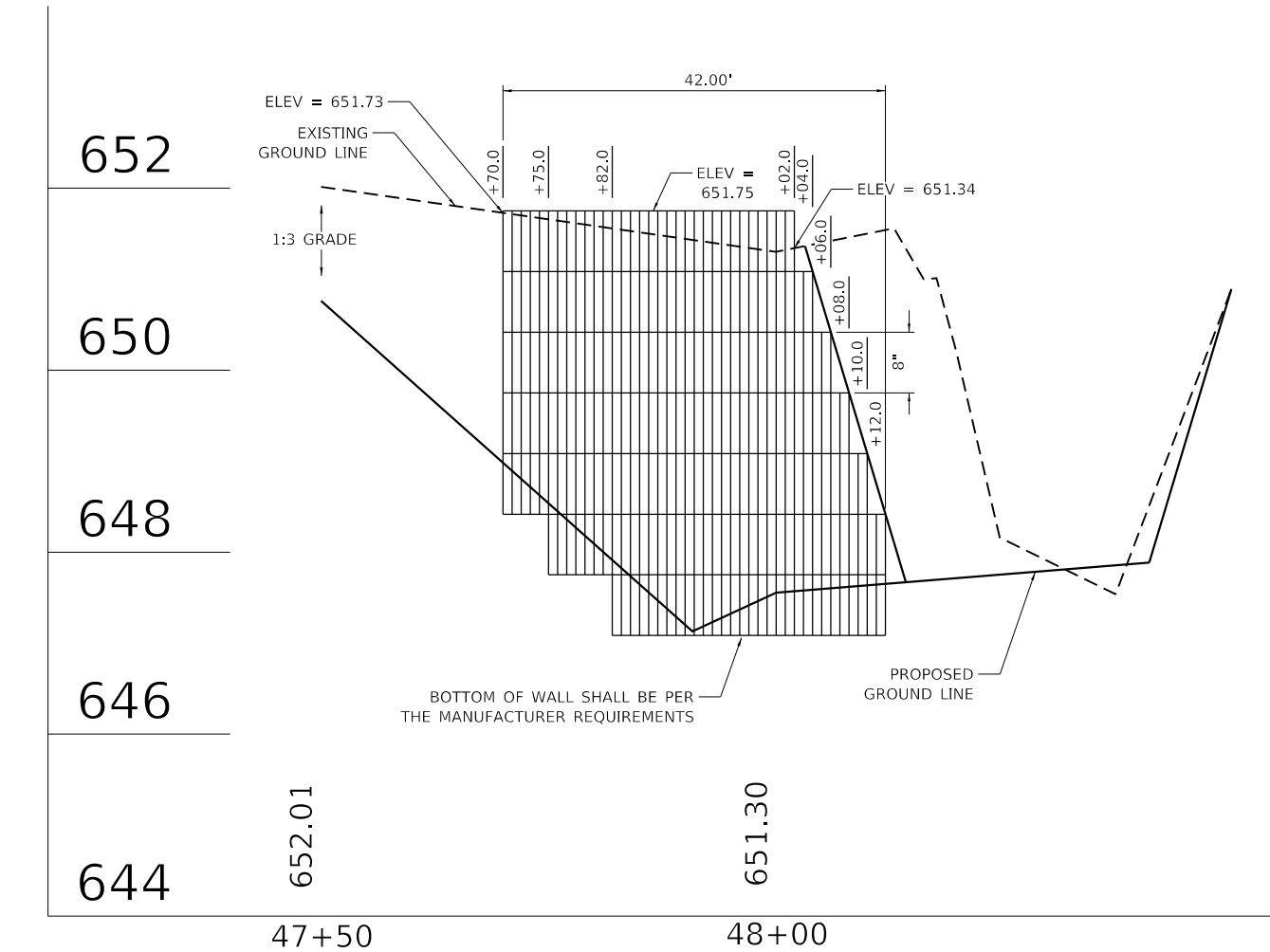
**CLAVEY ROAD ROADWAY RECONSTRUCTION  
 SEGMENTAL BLOCK WALL DETAIL 3 & 4**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	194
CONTRACT NO. 61G85				

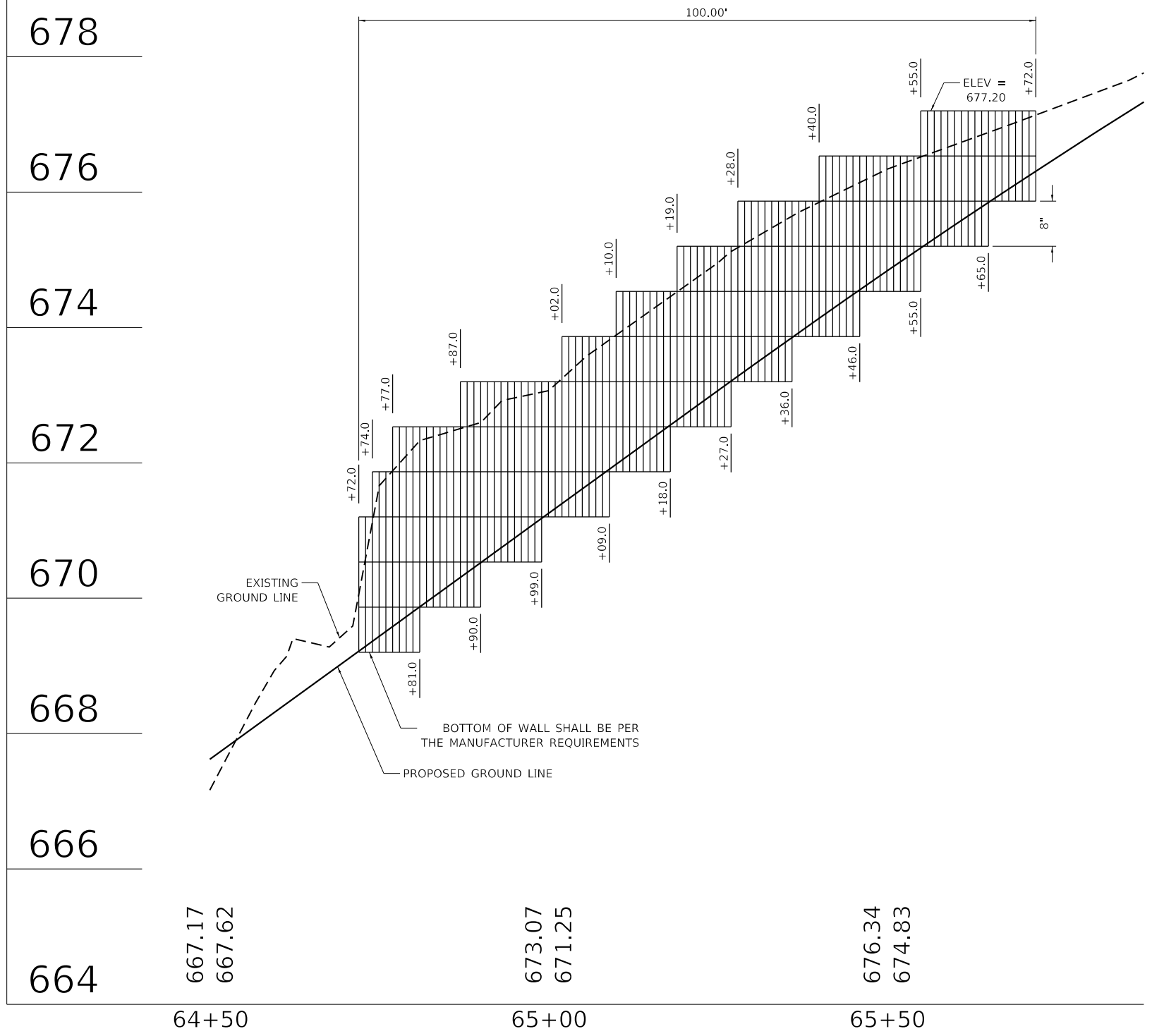
ILLINOIS FED. AID PROJECT

DATE PLOTTED = 9/17/2021 7:30:59 AM  
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SEGMENTAL CONCRETE BLOCK WALL DETAIL 5

**NOTES:**  
 BLOCK WALL ELEVATIONS ARE APPROXIMATE AND MAY VARY DEPENDING ON MANUFACTURER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.



SEGMENTAL CONCRETE BLOCK WALL DETAIL 6

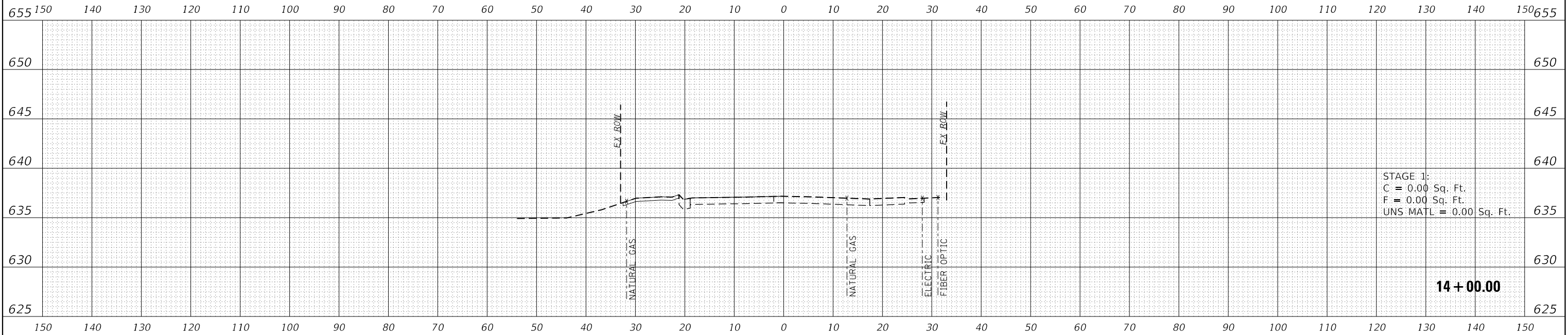


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	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

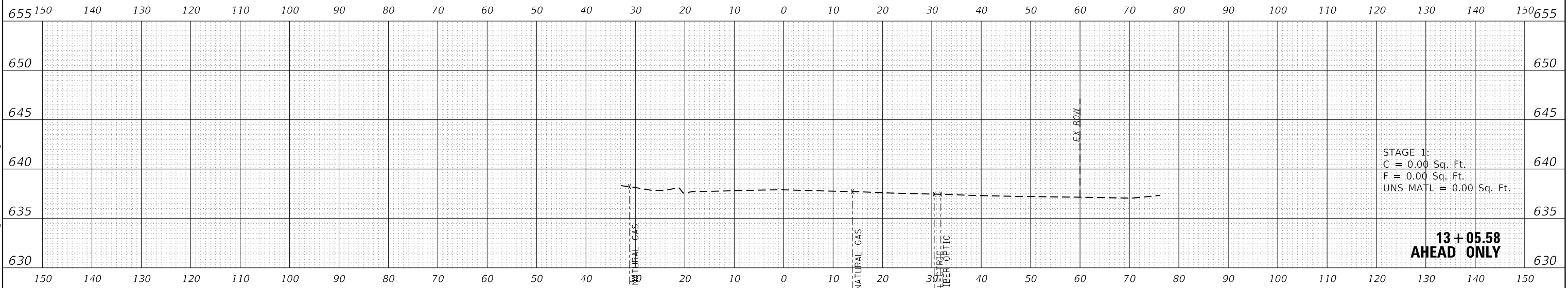
<b>CLAVEY ROAD ROADWAY RECONSTRUCTION</b>	
<b>SEGMENTAL BLOCK WALL DETAIL 5 &amp; 6</b>	
SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	195
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	



STAGE 1:  
 C = 0.00 Sq. Ft.  
 F = 0.00 Sq. Ft.  
 UNS MATL = 0.00 Sq. Ft.

**14 + 00.00**



STAGE 1:  
 C = 0.00 Sq. Ft.  
 F = 0.00 Sq. Ft.  
 UNS MATL = 0.00 Sq. Ft.

**13 + 05.58  
 AHEAD ONLY**

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 PLOT CONFIG = N:\VPROJ\08281955\01\Design\13+05.58\13+05.58.dgn  
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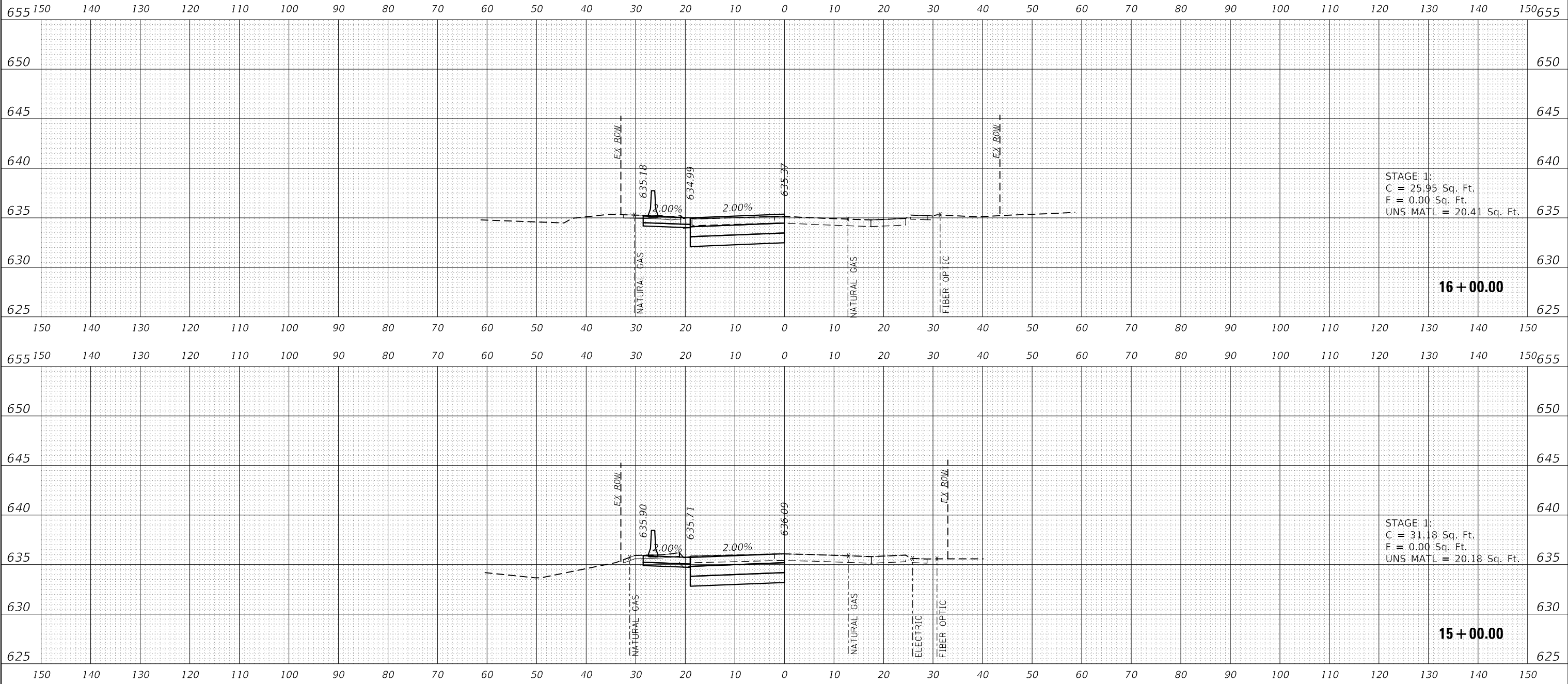
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	DRAWN - D. JOHNSON	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - J. VONDRA	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC (STAGE 1)  
 CROSS SECTIONS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 13+05.5800 TO STA. 14+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	196
CONTRACT NO. 61G85				
ILLINOIS FED. AID PROJECT				



STAGE 1:  
 C = 25.95 Sq. Ft.  
 F = 0.00 Sq. Ft.  
 UNS MATL = 20.41 Sq. Ft.

**16 + 00.00**

STAGE 1:  
 C = 31.18 Sq. Ft.  
 F = 0.00 Sq. Ft.  
 UNS MATL = 20.18 Sq. Ft.

**15 + 00.00**

DATE PLOTTED = 9/17/2021 7:30:59 AM  
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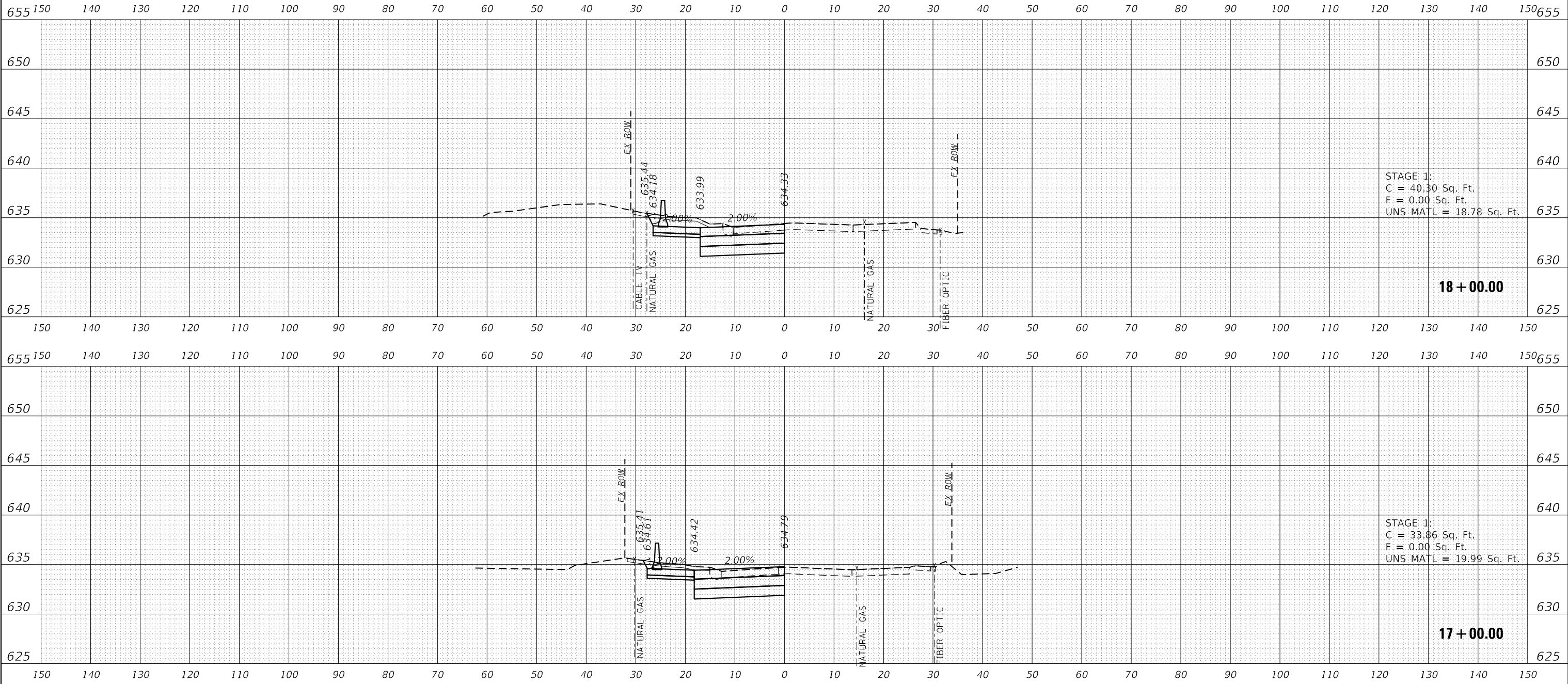
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	DRAWN - TBH	REVISED -
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PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC (STAGE 1)  
 CROSS SECTIONS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 15+00.00 TO STA. 16+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	197
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	



DATE PLOTTED = 9/17/2021 7:30:59 AM  
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USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

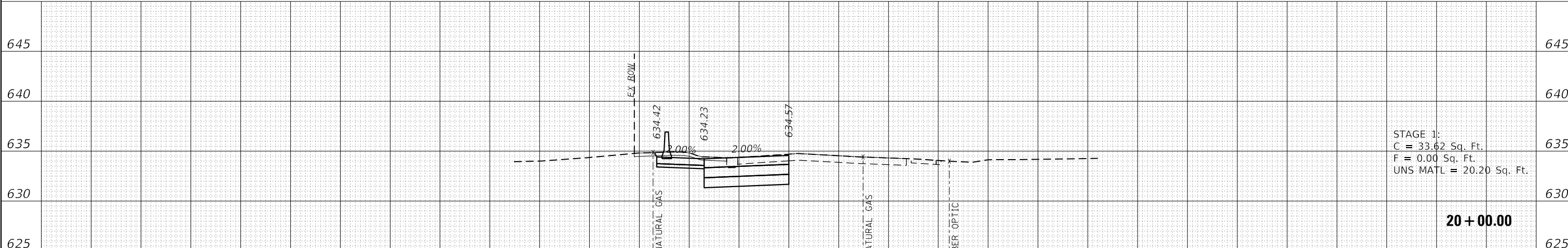
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC (STAGE 1)  
 CROSS SECTIONS**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 17+00.00 TO STA. 18+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	198
CONTRACT NO. 61G85			ILLINOIS FED. AID PROJECT	

650 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 650

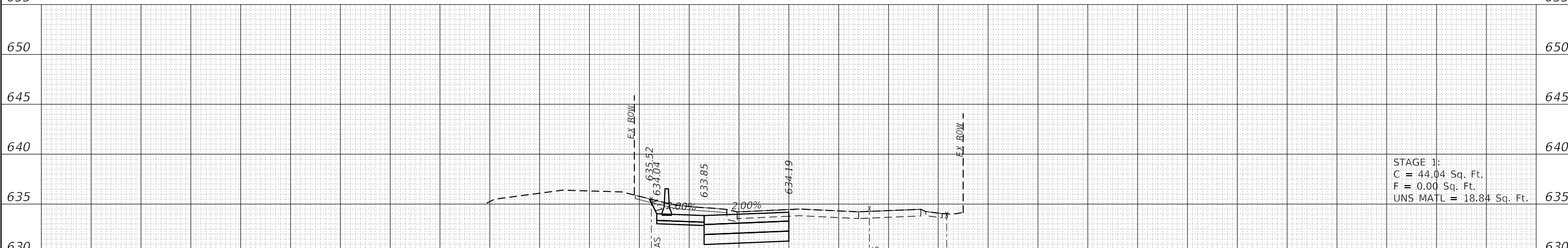


STAGE 1:  
C = 33.62 Sq. Ft.  
F = 0.00 Sq. Ft.  
UNS MATL = 20.20 Sq. Ft.

20 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

655 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 655



STAGE 1:  
C = 44.04 Sq. Ft.  
F = 0.00 Sq. Ft.  
UNS MATL = 18.84 Sq. Ft.

19 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 650

DATE PLOTTED = 9/17/2021 7:30:59 AM  
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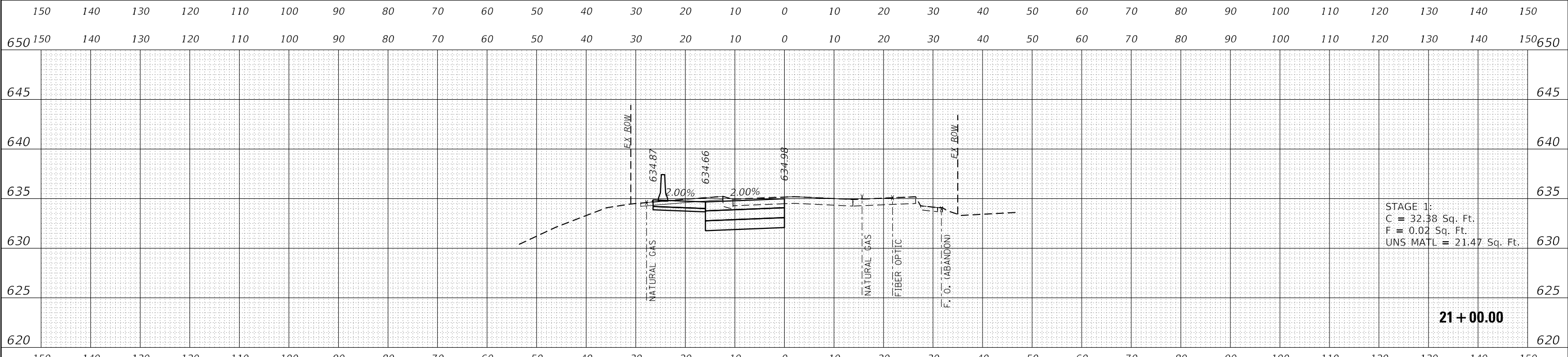
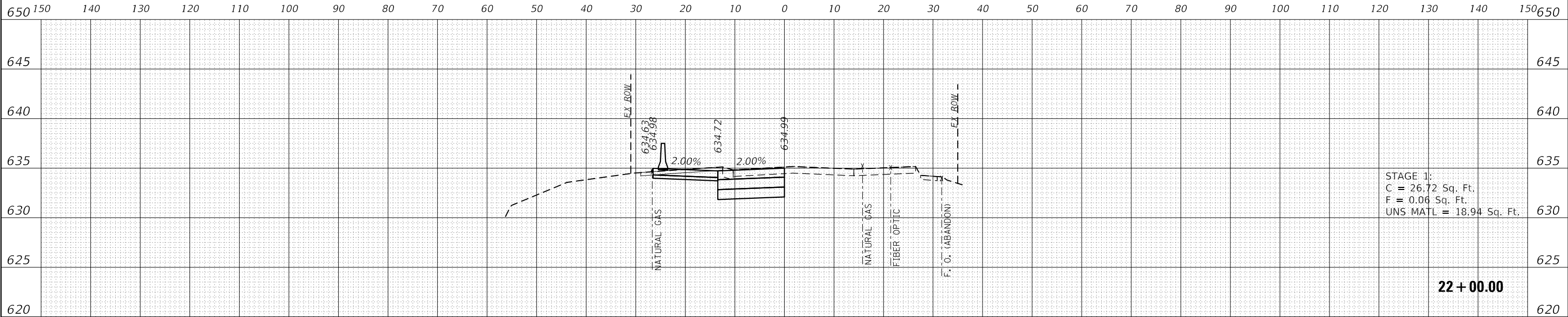
USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC (STAGE 1)  
CROSS SECTIONS

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 19+00.00 TO STA. 20+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	293	199
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	



DATE PLOTTED = 9/17/2021 7:30:59 AM  
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 FILE NAME = N:\VPROJ\08289552\08289552.dgn



USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - ES	REVISED -
PLOT DATE = 9/17/2021	DATE - 9/1/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC (STAGE 1) CROSS SECTIONS</b>			
SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 21+00.00 TO STA. 22+00.00	

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 293	SHEET NO. 200
CONTRACT NO. 61C85			ILLINOIS FED. AID PROJECT	