

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
			0004	0021	0021	0004	0021	0021	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	483	146			337		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	31416	6629			24787		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2387	682			1705		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	285	144			141		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	275	102			173		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	304	85			219		
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	446	446				
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	218	24			194		
	78300100	PAVEMENT MARKING REMOVAL	SO FT	25909	7061		18848		
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2		1		1		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3033		1938		1095		
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	108		56		52		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	284		82		202		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1342		559		783		

* =SPECIALTY ITEM

▲ REVISED 5-27-16

FILE NAME: c:\transporting\mch_beaeker\transportation\mch1138\01628330.dwg



USER NAME = mch_beaeker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	CHECKED - NJB	REVISED -
PLOT SCALE = 40,0000 1/16"	DATE - 02/05/2016	REVISED -
PLOT DATE = 3/23/2016		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES		
SCALE: NTS	SHEET 8 OF 14 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B33	

SIGNING				72000100	72400310	72400500	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1	REMOV SIGN PANEL T1	RELOC SIGN PANEL ASSY TA	TELES STL SIN SUPPORT
					SO FT	EACH	EACH	FOOT
	LT.	RT.						
IL53								
97+00		X	W10-3	RR XING	9.0			16.7
97+00		X	D3-1	STRIPMINE ROAD	1.0			
97+00		X	-	HI-PRISMATIC	0.6			
99+00		X	W1-2R	CURVE AHEAD	9.0			16.1
99+00		X	-	HI-PRISMATIC	0.6			
99+55	X		R2-1	SPEED LIMIT 35 MPH	5.0			14.3
101+62	X		M3-3	SOUTH	2.0			14.8
101+62	X		M1-I100.2	ILLINOIS 53	4.0			
101+62	X		W3-3	SIGNAL AHEAD	9.0			16.1
101+62	X		-	HI-PRISMATIC	0.6			
102+27		+36	W2-2	INTERSECTION WARNING		1		
103+45	+16		W1-8	WARNING ARROW		1		
104+43	+24		R2-1	SPEED LIMIT 35 MPH		1		
105+55		X	D1-2	CUSTER PARK			1.0	
104+87	x		N/A	WELCOME TO WILMINGTON			1.0	
105+33	+18		W1-8	WARNING ARROW		1		
105+35	X		R10-11b	NO TURN ON RED	9.0			Signal Mounted
106+47	X		R10-11A	NO TURN ON RED	7.5			Signal Mounted
106+47	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+47	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+47	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+85	X		R3-5R	RIGHT TURN ONLY	7.5			14.8
106+85	+46		R1-2	YIELD		1		
106+90		X	M3-1	NORTH	2.0			
106+90		X	M1-I100.2	ILLINOIS 53	4.0			14.8
107+17	+17		W1-8	WARNING ARROW		1		
107+34	+22		M1-I100.2	ILLINOIS 53		1		
107+50	X		W10-3	RR XING	9.0			14.8
107+50	X		-	HI-PRISMATIC	0.6			
107+65	X		I1-I107b	ADOPT-A-HIGHWAY	3.8			17.6
107+65	X		I1-I107c	KEEP ILLINOIS CLEAN	9.0			
107+80		+32	I1-I107b	ADOPT A HIGHWAY		1		
STREET - SUBTOTALS					116	8	2	140.0

SIGNING				72000100	72400310	72400500	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1	REMOV SIGN PANEL T1	RELOC SIGN PANEL ASSY TA	TELES STL SIN SUPPORT
					SO FT	EACH	EACH	FOOT
	LT.	RT.						
IL53								
107+88		X	D3-1	WEST RIVER RD	1.0			12.5
108+00		+46	D3-1	RIVER ROAD (ARROW)		1		
108+61		+16	R1-1	STOP		1		
108+61		X	R1-1	STOP	6.3			14.3
108+61		X	-	HI-PRISMATIC	0.6			
108+65		X	R5-1	DO NOT ENTER	6.3			14.3
108+65		X	-	HI-PRISMATIC	0.6			
108+87		X	R1-1	STOP	6.3			14.3
108+87		X	-	HI-PRISMATIC	0.6			
108+92		+35	R1-1	STOP		1		
109+00	+22		W1-8	WARNING ARROW		1		
109+00	X		W3-3	SIGNAL AHEAD	9.0			16.7
109+00	X		D3-1	STRIPMINE ROAD	1.0			
109+00	X		-	HI-PRISMATIC	0.6			
110+00	X		W2-2	T-INTERSECTION AHEAD	9.0			16.7
110+00	X		D3-1	WEST RIVER RD	1.0			
110+00	X		-	HI-PRISMATIC	0.6			
105+35	X		D3-1	STRIP MINE ROAD	9.0			Signal Mounted
106+00	X		M1-I100.2	ILLINOIS 53	6.8			Signal Mounted
106+47	X		D3-1	STRIP MINE ROAD	9.0			Signal Mounted
SMR								
50+00		X	W1-2aR	RIGHT CURVE SYMBOL W/SPEED	9.0			16.1
53+82		X	W10-1	RR XING	9.0			14.8
53+82		X	-	HI-PRISMATIC	0.6			
55+00		X	M2-1	JUNCTION	3.1			16.1
55+00		X	M1-I100.2	ILLINOIS 53	9.0			
56+15	X		W10-8	TRAINS MAY EXCEED 80 MPH	6.3			15.4
56+15	X		-	HI-PRISMATIC	0.6			
57+16	X		R10-6	STOP HERE ON RED	6.0			Signal Mounted
56+91	X		R8-8	DO NOT STOP ON TRACKS	5.0			17.3
56+91	X		R10-11A	NO TURN ON RED	7.5			
58+00	X		R8-8	DO NOT STOP ON TRACKS	5.0			14.3
58+40	+72		W10-1	GRADE CROSSING ADVANCED WARNING		1		
58+23	X		W10-8	TRAINS MAY EXCEED 80 MPH	6.3			15.4
58+23	X		-	HI-PRISMATIC	0.6			
STREET - SUBTOTALS					136	6	0	198
TOTAL					251	14	2	338

TRAFFIC CONTROL		
	70103815	X7010216
	TRAFFIC CONTROL SURVEILLANCE	TRAFFIC CONTROL AND PROTECTION (SPECIAL)
CONSTRUCTION STAGE	CAL DA	L SUM
1	10	
2	15	
3	15	
4	5	
1, 2, 3		0.5
TOTALS	45	0.5

TEMPORARY ACCESS				X4021000	X4022000
START STATION	END STATION	SIDE		TEMPORARY ACCESS (PRIVATE ENTRANCE)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
			EACH	EACH	
97+74.00	- 98+04.00	RT	1		
98+45.00	- 98+75.00	RT	1		
101+63.00	- 102+05.00	RT	1		
56+36.00	- 56+50.00	LT	1		
57+00.00	- 57+35.00	LT	1		
103+64.00	- 104+31.00	RT		1	
106+87.00	- 107+70.00	RT		1	
108+20.00	- 108+87.00	LT		1	
TOTAL				5	3

MASONRY REMOVAL			50102700
STATION - STATION	SIDE		MASONRY REMOVAL AREA (CU YD)
99+20.00	- 101+20.00	LT	5
TOTALS			5

TEMPORARY METAL POST			72900100
STATION	SIDE		METAL POST TYPE A FOOT
100+97.00	RT		13.8
100+94.00	LT		13.8
103+05.00	LT		13.8
105+20.00	LT		13.8
TOTALS			55

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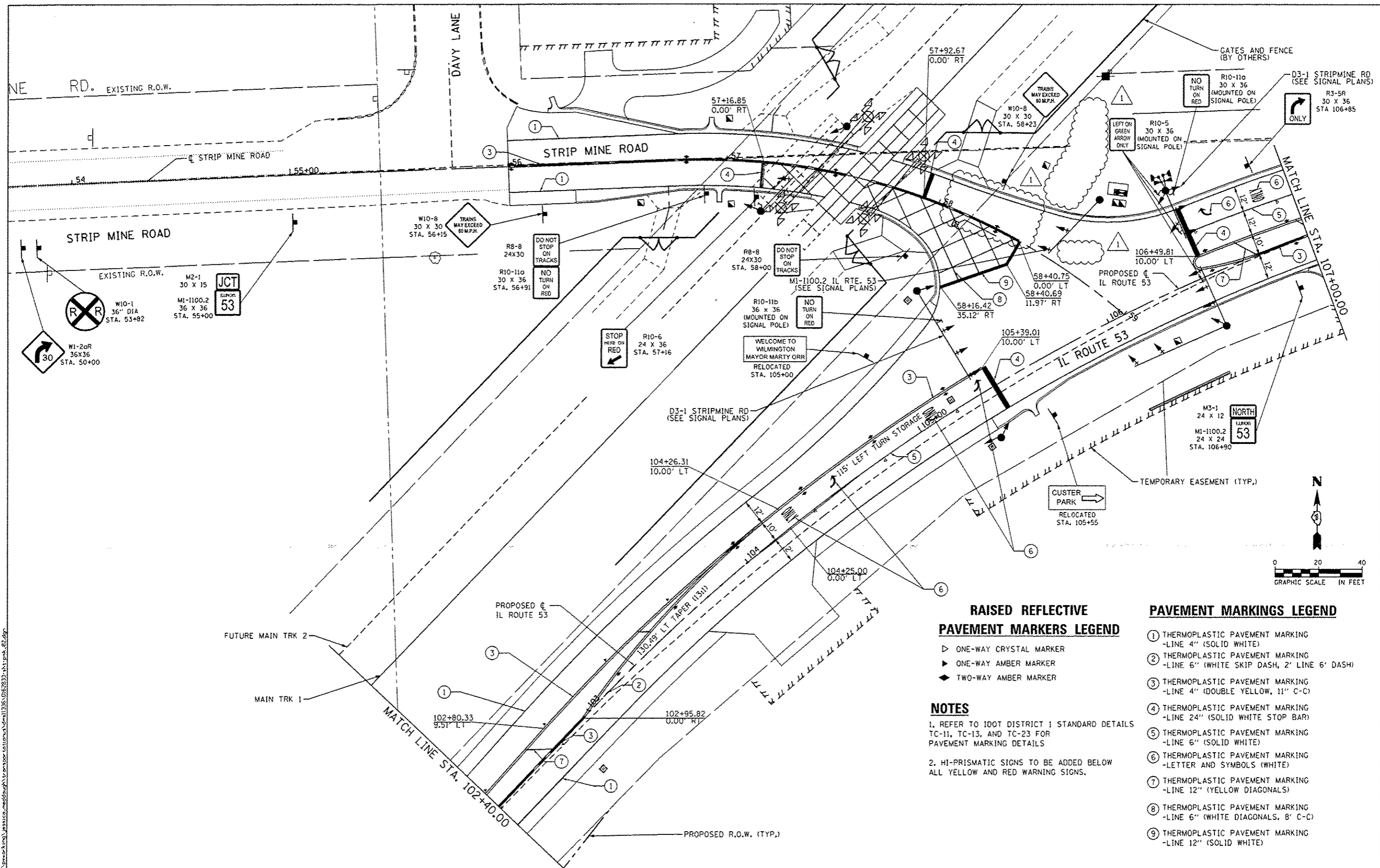
USER NAME : jessica_maddaugh	DESIGNED - JLM	REVISED - 05/09/2016
PLLOT SCALE : 48.0000 / in	DRAWN - BHL, EKS	REVISED -
PLLOT DATE : 5/19/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 4 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 26
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKERS LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

NOTES

1. REFER TO IDOT DISTRICT 1 STANDARD DETAILS TC-11, TC-13, AND TC-23 FOR PAVEMENT MARKING DETAILS
2. HI-PRISMATIC SIGNS TO BE ADDED BELOW ALL YELLOW AND RED WARNING SIGNS.

PAVEMENT MARKINGS LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING -LINE 4" (SOLID WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE SKIP DASH, 2' LINE 6' DASH)
- ③ THERMOPLASTIC PAVEMENT MARKING -LINE 4" (DOUBLE YELLOW, 11" C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING -LINE 24" (SOLID WHITE STOP BAR)
- ⑤ THERMOPLASTIC PAVEMENT MARKING -LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING -LETTER AND SYMBOLS (WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (YELLOW DIAGONALS)
- ⑧ THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE DIAGONALS, 8' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (SOLID WHITE)

AECOM	USER NAME : jessica_maddaugh	DESIGNED - JLM	REVISED - 05/09/2016
	PLOT SCALE = 48,000 ft / in.	DRAWN - BWL, EKS	REVISED -
	PLOT DATE = 5/9/2016	CHECKED - NJB	REVISED -
		DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS
ILLINOIS ROUTE 53

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 102+40.00 TO STA. 107+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B46	DIHSRR2016-02&03	WILL	580	72
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

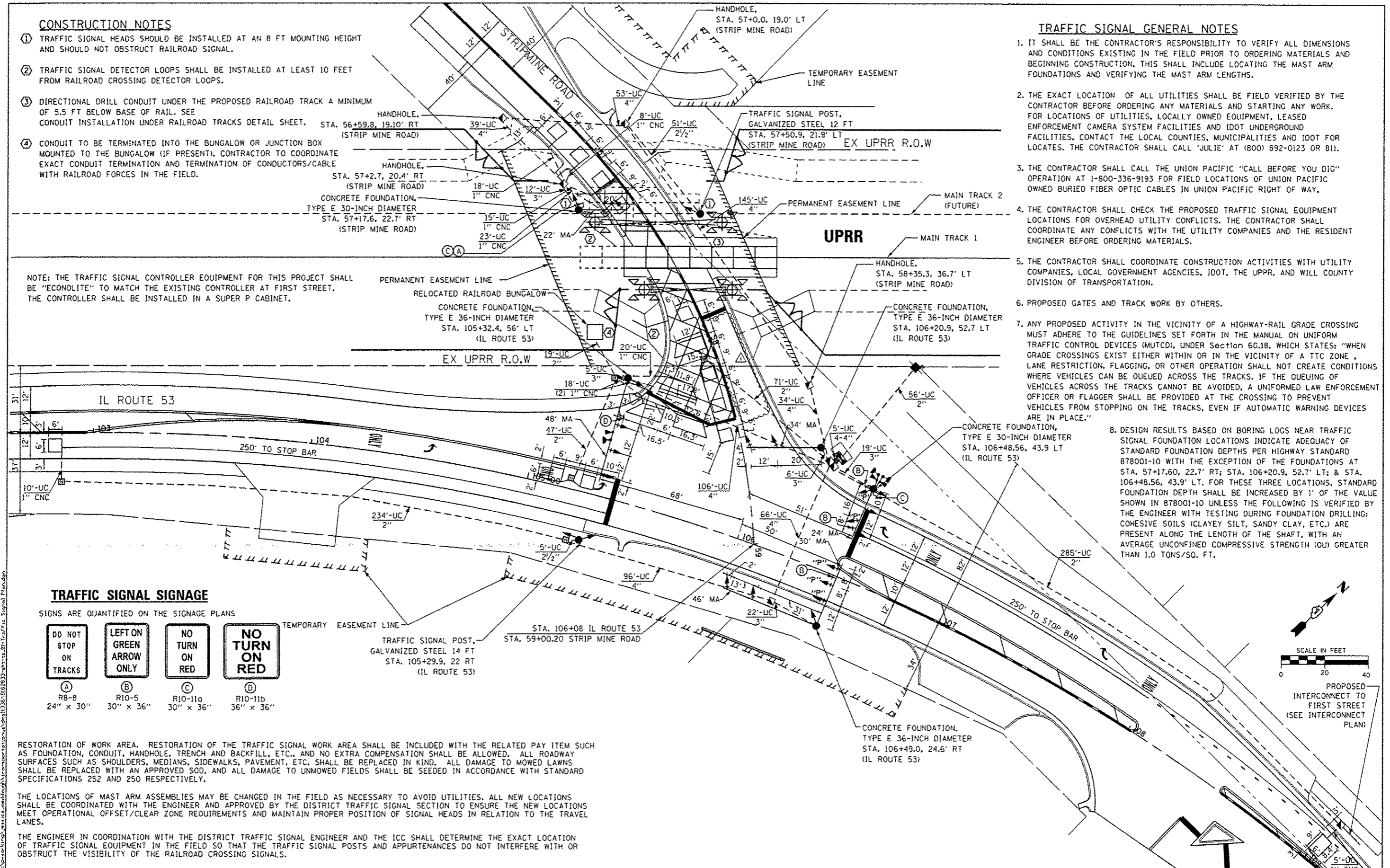
CONSTRUCTION NOTES

1. TRAFFIC SIGNAL HEADS SHOULD BE INSTALLED AT AN 8 FT MOUNTING HEIGHT AND SHOULD NOT OBSTRUCT RAILROAD SIGNAL.
2. TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE INSTALLED AT LEAST 10 FEET FROM RAILROAD CROSSING DETECTOR LOOPS.
3. DIRECTIONAL DRILL CONDUIT UNDER THE PROPOSED RAILROAD TRACK A MINIMUM OF 5.5 FT BELOW BASE OF RAIL. SEE CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL SHEET. STA. 56+59.8, 19.10' RT (STRIP MINE ROAD)
4. CONDUIT TO BE TERMINATED INTO THE BUNGALOW OR JUNCTION BOX MOUNTED TO THE BUNGALOW (IF PRESENT), CONTRACTOR TO COORDINATE EXACT CONDUIT TERMINATION AND TERMINATION OF CONDUCTORS/CABLE WITH RAILROAD FORCES IN THE FIELD.

TRAFFIC SIGNAL GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811.
3. THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.
4. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
5. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, IDOT, THE UPRR, AND WILL COUNTY DIVISION OF TRANSPORTATION.
6. PROPOSED GATES AND TRACK WORK BY OTHERS.
7. ANY PROPOSED ACTIVITY IN THE VICINITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), UNDER SECTION 6C.18, WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A ZONE, LANE RESTRICTION, FLAGGING, OR OTHER OPERATION SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."
8. DESIGN RESULTS BASED ON BORING LOGS NEAR TRAFFIC SIGNAL FOUNDATION LOCATIONS INDICATE ADEQUACY OF STANDARD FOUNDATION DEPTHS PER HIGHWAY STANDARD 878001-10 WITH THE EXCEPTION OF THE FOUNDATIONS AT STA. 57+17.60, 22.7' RT; STA. 106+20.9, 52.7' LT; & STA. 106+48.56, 43.9' LT. FOR THESE THREE LOCATIONS, STANDARD FOUNDATION DEPTH SHALL BE INCREASED BY 1' OF THE VALUE SHOWN IN 878001-10 UNLESS THE FOLLOWING IS VERIFIED BY THE ENGINEER WITH TESTING DURING FOUNDATION DRILLING: COHESIVE SOILS (CLAYEY SILT, SANDY CLAY, ETC.) ARE PRESENT ALONG THE LENGTH OF THE SHAFT, WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) GREATER THAN 1.0 TONS/SQ. FT.

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING CONTROLLER AT FIRST STREET. THE CONTROLLER SHALL BE INSTALLED IN A SUPER P CABINET.



TRAFFIC SIGNAL SIGNAGE

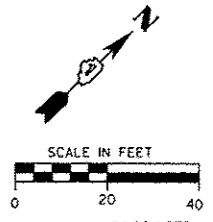
SIGNS ARE QUANTIFIED ON THE SIGNAGE PLANS

DO NOT STOP ON TRACKS	LEFT ON GREEN ARROW ONLY	NO TURN ON RED	NO TURN ON RED
(A)	(B)	(C)	(D)
R8-B 24" x 30"	R10-5 30" x 36"	R10-11a 30" x 36"	R10-11b 36" x 36"

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SO, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

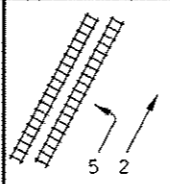
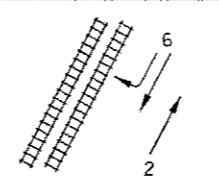
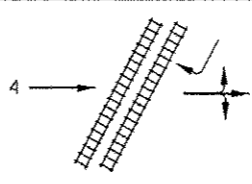
THE LOCATIONS OF MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. ALL NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVEL LANES.

THE ENGINEER IN COORDINATION WITH THE DISTRICT TRAFFIC SIGNAL ENGINEER AND THE ICC SHALL DETERMINE THE EXACT LOCATION OF TRAFFIC SIGNAL EQUIPMENT IN THE FIELD SO THAT THE TRAFFIC SIGNAL POSTS AND APPURTENANCES DO NOT INTERFERE WITH OR OBSTRUCT THE VISIBILITY OF THE RAILROAD CROSSING SIGNALS.



AECOM	USER NAME = jessica_maddaugh	DESIGNED - ZGJ	REVISED - 05/09/2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN ILLINOIS ROUTE 53 AND STRIPMINE ROAD	F.A.P. RTE. = 846	SECTION = DIHSRR2016-02&03	COUNTY = WILL	TOTAL SHEETS NO. = 82
	PLOT SCALE = 40,000 ft / in.	CHECKED - MJL	REVISED -			CONTRACT NO. = 62B33			
	PLOT DATE = 5/9/2016	DATE = 02/05/2016	REVISED -			ILLINOIS FED. AID PROJECT			

SEQUENCE OF OPERATION

MOVEMENT																			FLASH
PHASE	2 + 5			2 + 6					4										
INTERVAL	1	2A	2B	3	4A	4B	5A	5B	6	7A	7B	7C	7D	8A	8B	8C	8D		
CHANGE TO	/	2 + 6		/	4			2 + 5		/	2 + 5				2 + 6				
ILLINOIS ROUTE 53 FAR LEFT, END AND CENTER MAST ARM AND NEAR THROUGH SIGNALS	S/B	R	R	R	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS	S/B	R	R	R	G	G	G	Y	R	G	G	G	Y	R	G	G	G	R	
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS	N/B	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	N/B	G	G	G	G	Y	R	G	G	R	R	R	R	R	R	R	R	R	
STRIP MINE ROAD (PRE-SIGNAL) ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	
STRIP MINE ROAD (EAST OF TRACKS) ALL SIGNALS (NEAR AND FAR SIDE OF INTERSECTION)	E/B	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	

PHASES 2 + 6 SHALL BE PLACED ON RECALL.

FILE NAME: c:\pwworking\jessica.maddugh\1\1256102833-1\1256102833-1.dwg



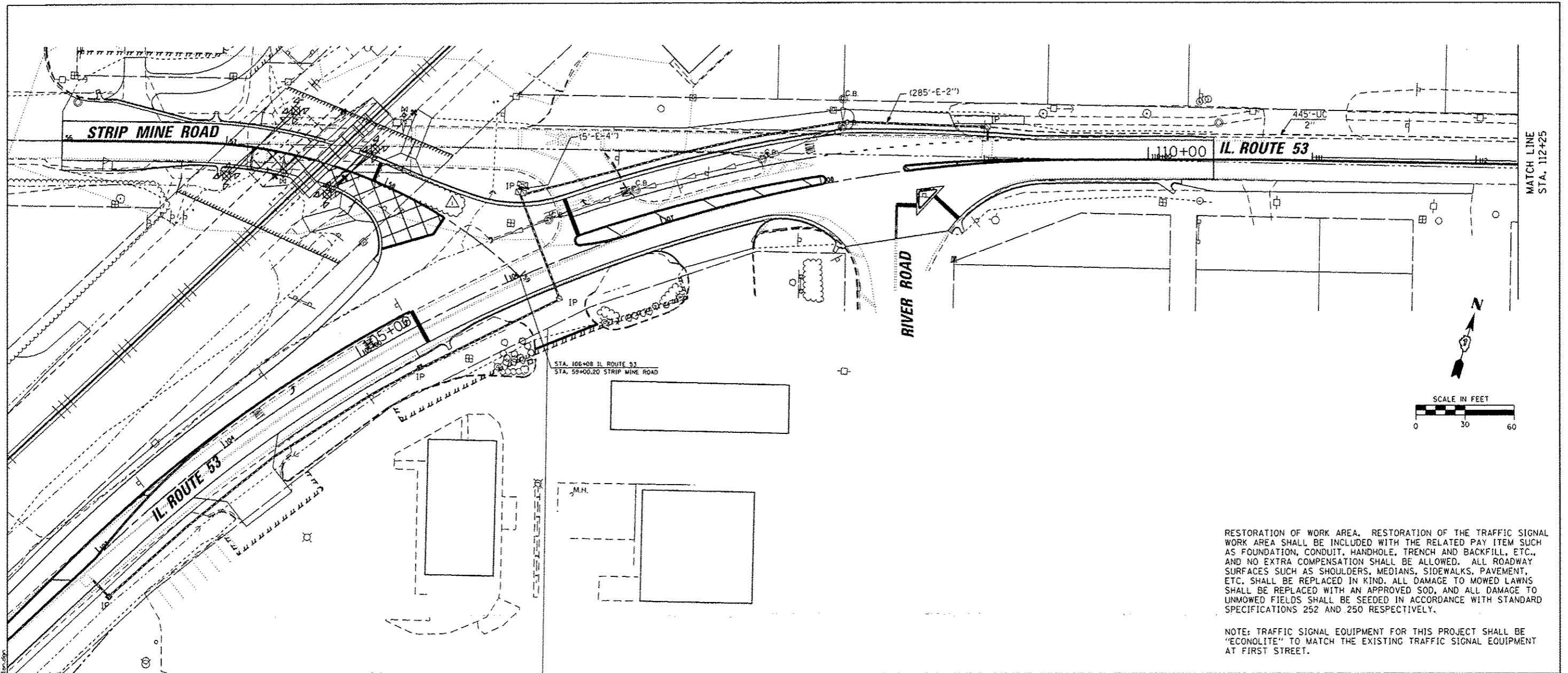
USER NAME - jessica.maddugh	DESIGNED - MJL	REVISED - 05/09/2016
PLOT SCALE - 40,0000 ft / in.	DRAWN - MJL	REVISED -
PLOT DATE - 5/9/2016	CHECKED - ZCJ	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL SEQUENCE OF OPERATION
ILLINOIS ROUTE 53 AND STRIPMINE ROAD**

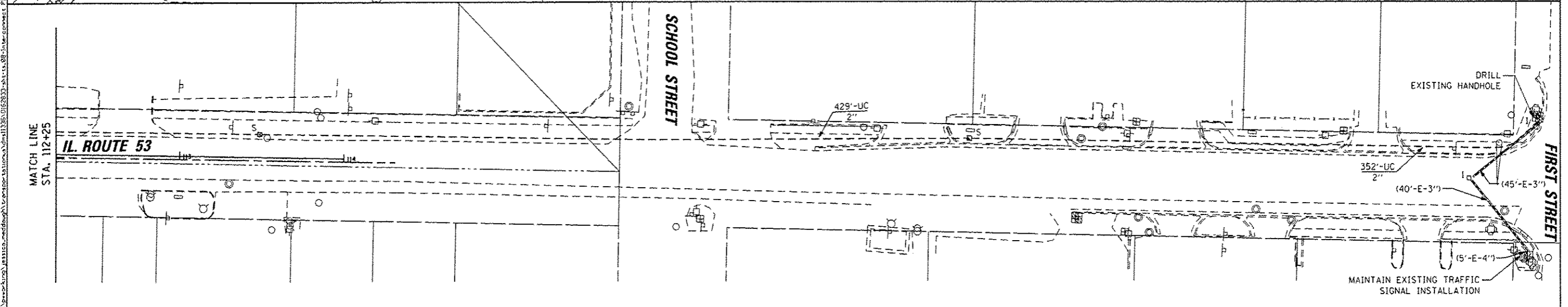
SCALE: NTS SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	86
CONTRACT NO. 62833				
ILLINOIS FED. AID PROJECT				

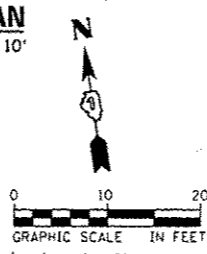
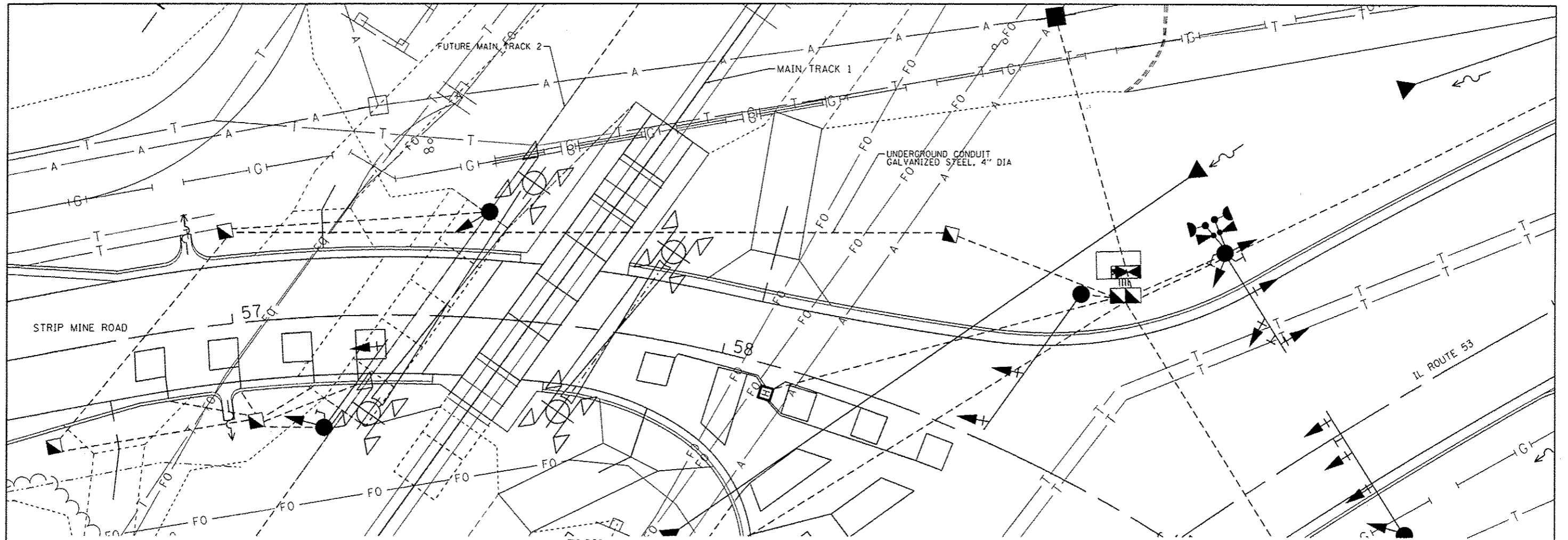


RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

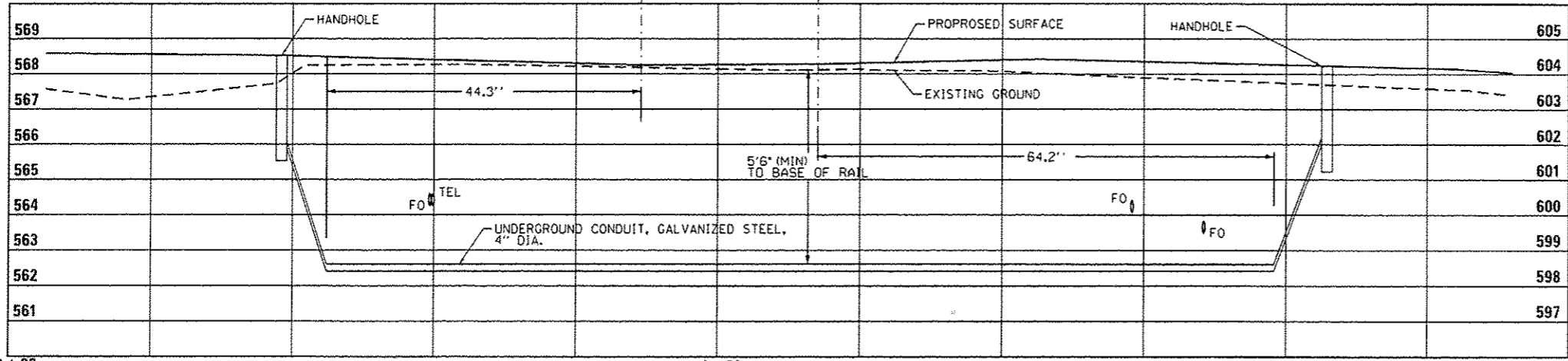
NOTE: TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT FIRST STREET.



AECOM	USER NAME = jessica.meddaugh	DESIGNED - ZGJ	REVISED - 05/09/2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 53, STRIPMINE ROAD TO FIRST STREET			F.A.P. RTE. 846	SECTION DMSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 89	
	PLLOT SCALE = 60.0000 ft / in.	CHECKED - MJL	REVISED -		SCALE: 1" = 30'	SHEET 8 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 62B33					
	PLLOT DATE = 5/9/2016	DATE - 02/05/2016	REVISED -		ILLINOIS FED. AID PROJECT								



- CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL FOLLOW AREMA GUIDELINES FOR MINIMUM DEPTH UNDER TRACKS FOR INSTALLATION OF STEEL CONDUIT CARRYING ELECTRICAL CABLES. AT THE INSTALLED DEPTH OF STEEL CONDUIT UNDER TRACKS, THE CONTRACTOR SHALL EXTEND STEEL CONDUIT A MINIMUM OF 30 FEET OUT FROM THE CENTERLINE OF TRACK, MEASURED AT RIGHT ANGLES. THE CONTRACTOR SHALL ATTEMPT TO INSTALL STEEL CONDUIT AT OR CLOSE TO THE MINIMUM DEPTH OF 5 FEET, 6 INCHES, FROM BASE OF RAIL TO TOP OF STEEL CONDUIT.
 2. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR INFORMATION REGARDING WORK ON AND NEAR UNION PACIFIC RAILROAD RIGHT OF WAY.
 3. RAILROAD COORDINATION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 4. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPETENCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
 5. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR CONTACT INFORMATION REGARDING THE LOCATION OF FIBER OPTIC CABLES WITHIN THE UNION PACIFIC RIGHT OF WAY.
 6. RESTORATION OF DISTURBED AREAS SHALL BE INCLUDED IN THE PAY ITEM UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. DISTURBED AREAS SHALL BE RETURNED TO EXISTING GRADE. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



FILE NAME: z:\a\becker\hwy\mick_becker\workspace\1036\1036-DIG\2016-05-11-18-46\1036.dgn



USER NAME = nick.becker	DESIGNED - NB	REVISED - 05/09/2016
DRAWN - NB	CHECKED - MJL	REVISED -
PLOT SCALE = 20.0000 ft / in.	DATE - 02/05/2016	REVISED -
PLOT DATE = 5/11/2016		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	99
CONTRACT NO. 62833			ILLINOIS FED. AID PROJECT	

SIGNING				72000100	72400100	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1 SO FT	REMOV SIN PAN ASSY TA EACH	TELES STL SIN SUPPORT FOOT
	LT.	RT.					
	IL 53						
16+10		X	W3-3	SIGNAL AHEAD	16.0		
16+10		X	W16-8P	COAL CITY RD	4.5		18.5
18+00		X	W10-2	GRADE CROSSING ADVANCE WARNING	16.0		17.5
20+75		X	D1-1a	COAL CITY 5	4.5		12.8
23+15	X		M3-3	SOUTH	2.0		15.8
23+15	X		M1-1100.2	ILLINOIS 53	9.0		0.0
25+38	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5		SIGNAL MOUNTED
25+38	X		R10-11a	NO TURN ON RED	5.0		SIGNAL MOUNTED
26+02		X	R10-5	LEFT ON GREEN ARROW ONLY	7.5		SIGNAL MOUNTED
26+75	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5		SIGNAL MOUNTED
26+75	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5		SIGNAL MOUNTED
26+84	X		R10-11a	NO TURN ON RED	5.0		SIGNAL MOUNTED
27+72		X	R10-5	LEFT ON GREEN ARROW ONLY	7.5		14.8
29+63		X	M3-1	NORTH	2.0		
29+63		X	M1-1100.2	ILLINOIS 53	4.0		14.8
32+00	X		D1-1a	COAL CITY 5	4.5		12.8
36+00	X		W10-2	GRADE CROSSING ADVANCE WARNING	16.0		18.5
38+00	X		D1-1a	COAL CITY RD	4.5		
38+00	X		W3-3	SIGNAL AHEAD	16.0		15.8
19+90		1.96'	W10-2	GRADE CROSSING ADVANCE WARNING			
19+90		1.96'	D3-1	COAL CITY RD.		1.00	
20+40		7.22'	R1-1	STOP		1.00	
20+76		7.52'	SPECIAL	NON HWY AD SIGN		1.00	
23+87	6.03'		D1-1a	COAL CITY 5		1.00	
24+77	61.12'		M3-3	SOUTH			
24+77	61.12'		M1-1100.2	ILLINOIS 53		1.00	
27+79	4.96'		M3-1	NORTH			
27+79	4.96'		M1-1100.2	ILLINOIS 53		1.00	
28+27	57.66'		D1-1a	COAL CITY 5		1.00	
30+90		9.75'	SPECIAL	NON HWY AD SIGN		1.00	
34+45	48.19'		W10-2	GRADE CROSSING ADVANCE WARNING			
34+45	48.19'		D3-1	COAL CITY RD		1.00	
STREET - SUBTOTALS					147	9	141

SIGNING				72000100	72400100	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1 (SO FT)	REMOV SIN PAN ASSY TA (EACH)	TELES STL SIN SUPPORT (FOOT)
	LT.	RT.					
	CCR						
98+58		X	W10-12	SKEWED CROSSING	9.0		14.8
100+00		X	W3-3	SIGNAL AHEAD	9.0		14.8
101+00		X	M1-1100.2	ILLINOIS 53	9.0		
101+00		X	M2-1	JUNCTION	2.2		16.1
102+50		X	W10-8	TRAINS MAY EXCEED 80 MPH	9.0		16.1
104+00	X		R2-1	SPEED LIMIT 45 MPH	5.0		
104+00	X		UNK	WILMINGTON 5100	8.0		18.3
104+10		X	W10-1	RR XING	7.1		14.8
105+08		X	W10-8	TRAINS MAY EXCEED 80 MPH	9.0		16.1
105+63	X		R8-8	DO NOT STOP ON TRACKS	5.0		14.3
105+97		X	R10-6	STOP HERE ON RED	6.0		14.8
106+35		X	R10-11a	NO TURN ON RED	5.0		SIGNAL MOUNTED
106+35		X	R8-8	DO NOT STOP ON TRACKS	5.0		SIGNAL MOUNTED
106+63	X		R8-8	DO NOT STOP ON TRACKS	5.0		SIGNAL MOUNTED
106+75		X	M6-4	DUAL DIRECTION ARROW	2.2		
106+75		X	M1-1100.2	ILLINOIS 53	9.0		16.1
107+11		X	R8-8	DO NOT STOP ON TRACKS	5.0		14.3
107+57	X		W10-8	TRAINS MAY EXCEED 80 MPH	9.0		
107+57	X		R8-8	DO NOT STOP ON TRACKS	5.0		18.6
110+81	X		W10-1	RR XING	7.1		14.8
114+00	X		W3-3	SIGNAL AHEAD	9.0		16.1
115+00	X		M2-1	JUNCTION	2.2		
115+00	X		M1-1100.2	ILLINOIS 53	9.0		16.1
102+09		24.74'		UNKNOWN		1	
103+93		18.57'	W10-1	RR XING		1	
104+45	25.07'		R2-1	SPEED LIMIT 45 MPH			
104+45	25.07'		SPECIAL	WILMINGTON 5100		1	
105+34	23.83'		SPECIAL	SIGN WITH TOWN FACTS		1	
106+09	16.50'		W10-11a	CAUTION 35 FT BETWEEN TRACKS AND HIGHWAY			
106+09	16.50'		R8-8	DO NOT STOP ON TRACKS		1	
107+11	15.66'		R1-1	STOP			
107+11	15.66'			STOP AT LINE		1	
108+68	17.11'		R1-1	STOP		1	
113+48	14.55'			UNKNOWN		1	
STREET - SUBTOTALS					151	8	237
TOTALS					298	17	378

TEMPORARY INFORMATION SIGNING			
			20030850
			TEMPORARY INFORMATION SIGNING
LOCATION	SIDE		SO FT
IL 53	RT	SOUTH LIMIT	25.70
IL 53	RT	NORTH LIMIT	25.70
CCR	RT	WEST LIMIT	25.70
CCR	RT	EAST LIMIT	25.70
TOTALS			103

TREE REMOVALS						
STATION	STATION	SIDE	20100110	20100210	20100500	20064800
			TREE REMOV 6-15 (UNIT)	TREE REMOV OVER 15 (UNIT)	TREE REMOV ACRES (ACRE)	SELECTIVE CLEARING (UNIT)
11+12.18	25+00.00	LT/RT			0.8	40
25+00.00	39+00.00	LT/RT	22	144	0.1	
103+24.55	112+00.00	LT/RT		44		5
112+00.00	113+57.48	LT				3
TOTALS			22	188	0.9	48

TEMPORARY PIPE CULVERT SCHEDULE					
STATION - STATION	5422A030	5422A018	5421D024	5421O189	54215559
	PIPE CULVERTS CLASS A TYPE 2 30" (TEMPORARY)	PIPE CULVERTS CLASS A TYPE 2 18" (TEMPORARY)	PIPE CULVERTS CLASS D TYPE 1, 24" (TEMPORARY)	PIPE ELBOW, 24"	METAL END SECTIONS, 24"
FOOT	FOOT	FOOT	EACH	EACH	
10+83.64 - 11+31.45			20	2	2
17+89.01 - 17+88.00	15				
37+50.00 - 42+50.00		502			
TOTALS	15	502	20	2	2



USER NAME: jessica.meddough	DESIGNED: JLM	REVISED: 05/09/2016
DRAWN: BNL, EKS	CHECKED: NJB	REVISIONS:
PLLOT SCALE: 48,000' / 1" = 400'	DATE: 02/05/2016	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES		
SCALE: NTS	SHEET 4 OF 4 SHEETS	STA. N/A TO STA. N/A

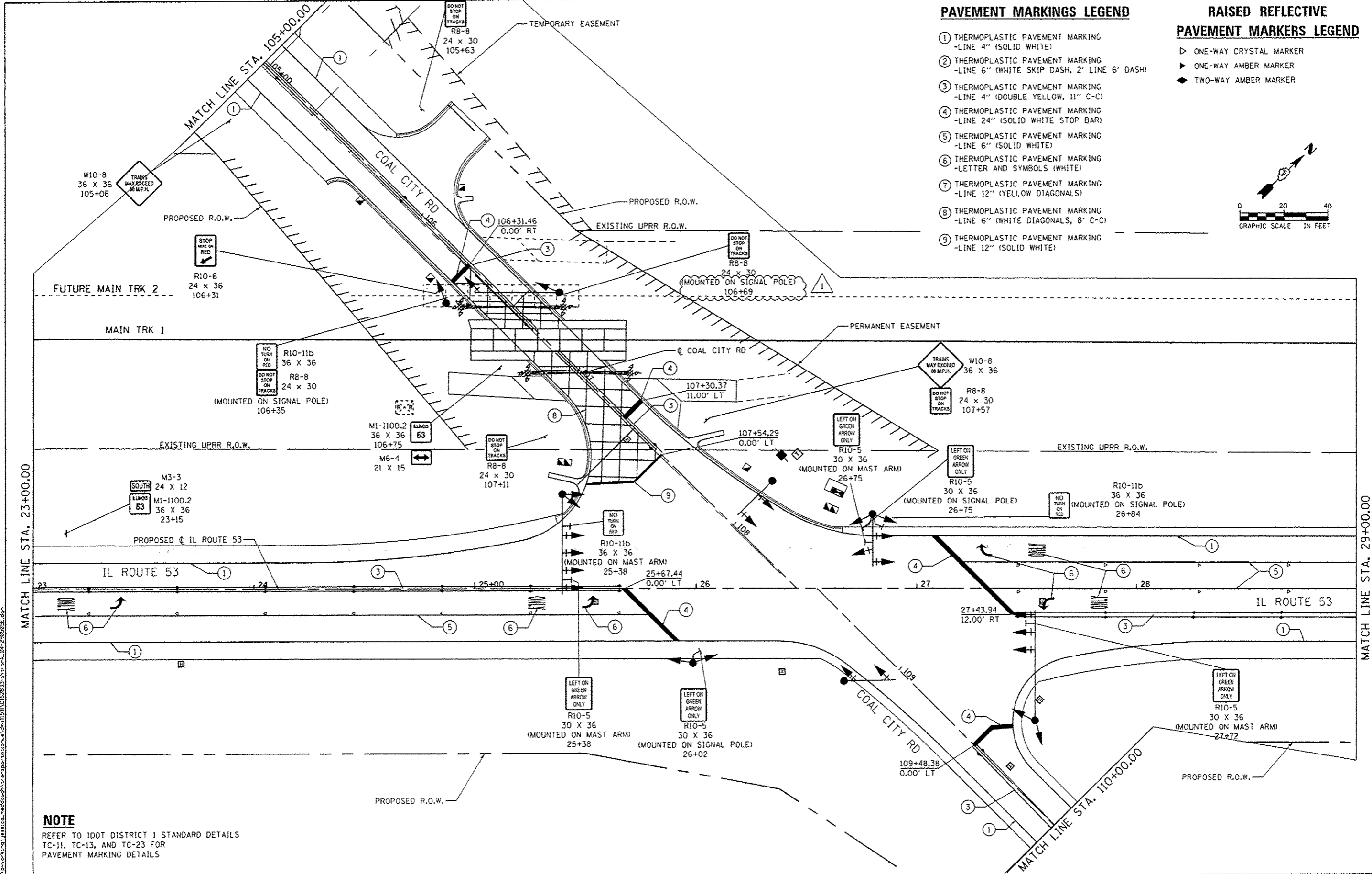
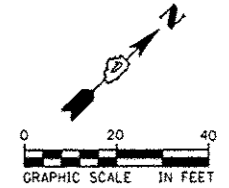
F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 219
CONTRACT NO. 62B33				(ILLINOIS) FED. AID PROJECT

PAVEMENT MARKINGS LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING
-LINE 4" (SOLID WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING
-LINE 6" (WHITE SKIP DASH, 2' LINE 6' DASH)
- ③ THERMOPLASTIC PAVEMENT MARKING
-LINE 4" (DOUBLE YELLOW, 11" C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING
-LINE 24" (SOLID WHITE STOP BAR)
- ⑤ THERMOPLASTIC PAVEMENT MARKING
-LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING
-LETTER AND SYMBOLS (WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING
-LINE 12" (YELLOW DIAGONALS)
- ⑧ THERMOPLASTIC PAVEMENT MARKING
-LINE 6" (WHITE DIAGONALS, 8' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING
-LINE 12" (SOLID WHITE)

RAISED REFLECTIVE PAVEMENT MARKERS LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◀ TWO-WAY AMBER MARKER



MATCH LINE STA. 23+00.00

MATCH LINE STA. 29+00.00

NOTE

REFER TO IDOT DISTRICT 1 STANDARD DETAILS
TC-11, TC-13, AND TC-23 FOR
PAVEMENT MARKING DETAILS



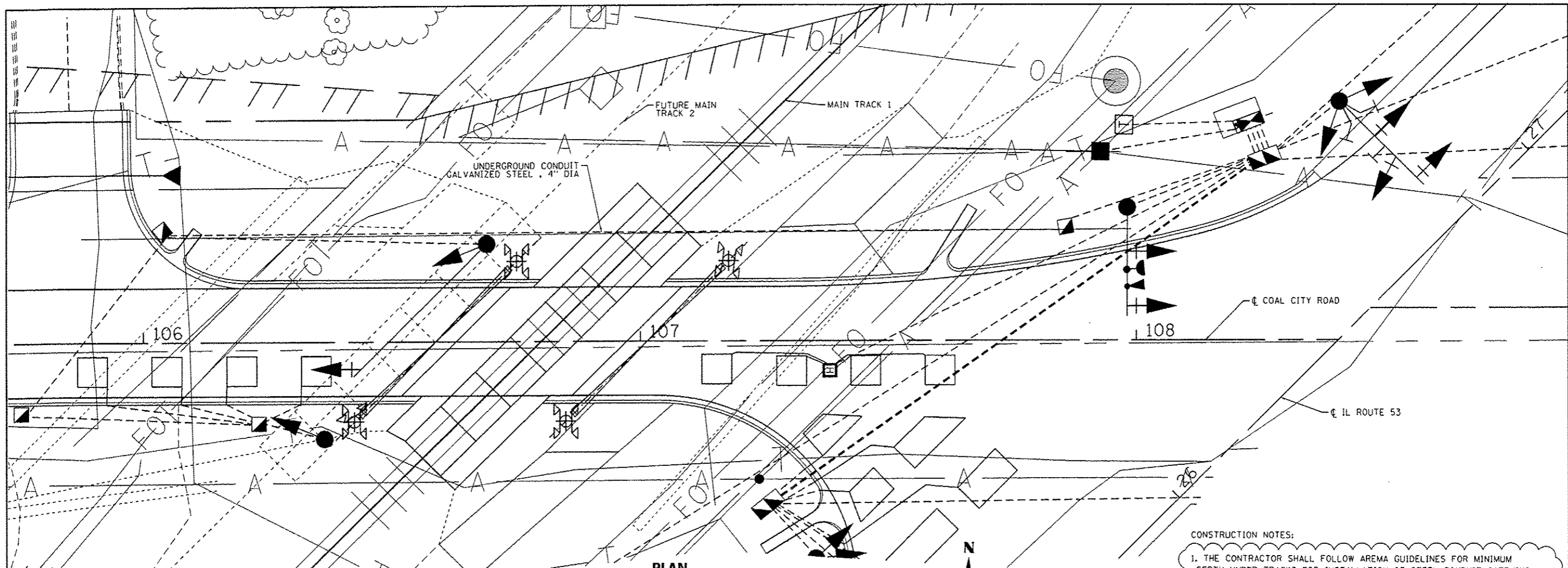
USER NAME = jessica_meddough	DESIGNED - JLM	REVISED - 05/09/2016
PLOT SCALE = 40,000 ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 5/9/2016	CHECKED - NJB	REVISED -
	DATE = 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING AND PAVEMENT MARKING PLANS
COAL CITY ROAD /ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 4 OF 9 SHEETS STA. 23+00.00 TO STA. 29+00.00

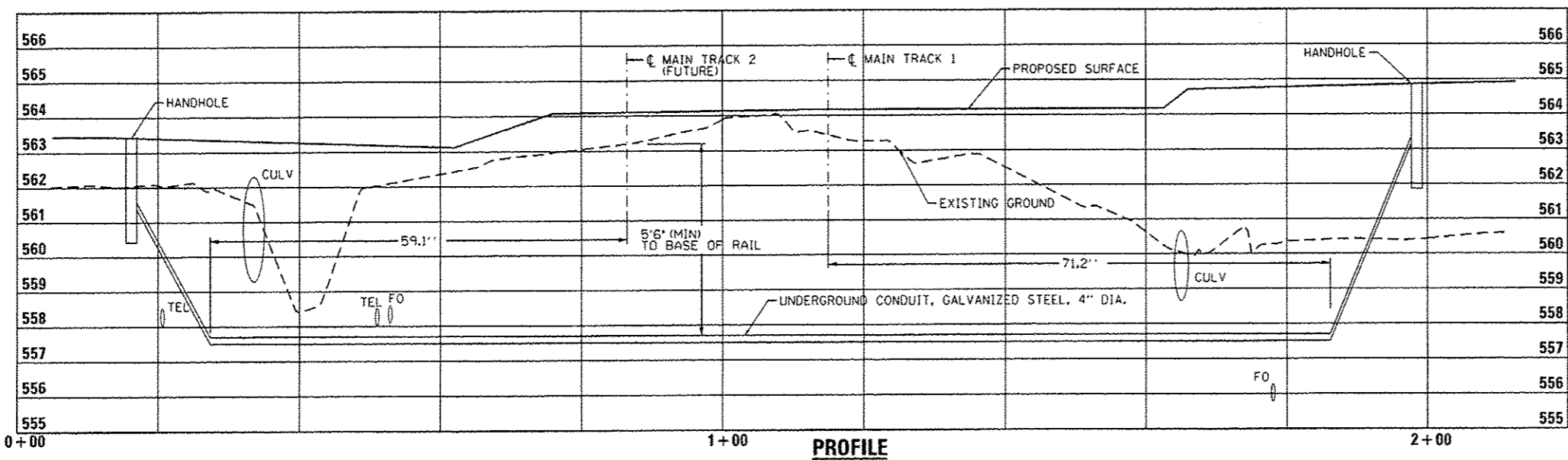
F.A.P. RTE. 846	SECTION DIHSRR2016-02803	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 290
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



PLAN
1" = 10'

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FOLLOW AREMA GUIDELINES FOR MINIMUM DEPTH UNDER TRACKS FOR INSTALLATION OF STEEL CONDUIT CARRYING ELECTRICAL CABLES. AT THE INSTALLED DEPTH OF STEEL CONDUIT UNDER TRACKS, THE CONTRACTOR SHALL EXTEND STEEL CONDUIT A MINIMUM OF 30 FEET OUT FROM THE CENTERLINE OF TRACK, MEASURED AT RIGHT ANGLES. THE CONTRACTOR SHALL ATTEMPT TO INSTALL STEEL CONDUIT AT OR CLOSE TO THE MINIMUM DEPTH OF 5 FEET, 6 INCHES, FROM BASE OF RAIL TO TOP OF STEEL CONDUIT.
2. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR INFORMATION REGARDING WORK ON AND NEAR UNION PACIFIC RAILROAD RIGHT OF WAY.
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PROFILE



USER NAME = nich.becker	DESIGNED - NB	REVISED - 05/09/2016
DRAWN - NB	CHECKED - MJL	DATE - 02/05/2016
PLLOT SCALE = 20,000 Ft / in.	PLLOT DATE = 5/11/2016	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 322
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

FILE NAME: c:\new\chuck.becker\transportation\151\15162833-14-11-17-Conduit Detail Under RR-20160505.dwg