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- **2 GENERAL NOTES**

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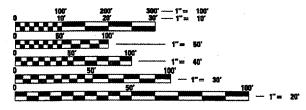
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- 8, 9 SCHEDULES OF QUANTITIES
- 10 PROJECT LAYOUT SHEET
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 - 25 HORIZON DRIVE CROSS SECTIONS

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353001-04	701801-03
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542401	873001-01
701101 - 01	877011-03
70110601	878001-06
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701426-02	880006



NG SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SAL MADONIA (217) 782-4761 PROJECT MANAGER: MARCUS BRUCE (217) 524-0946

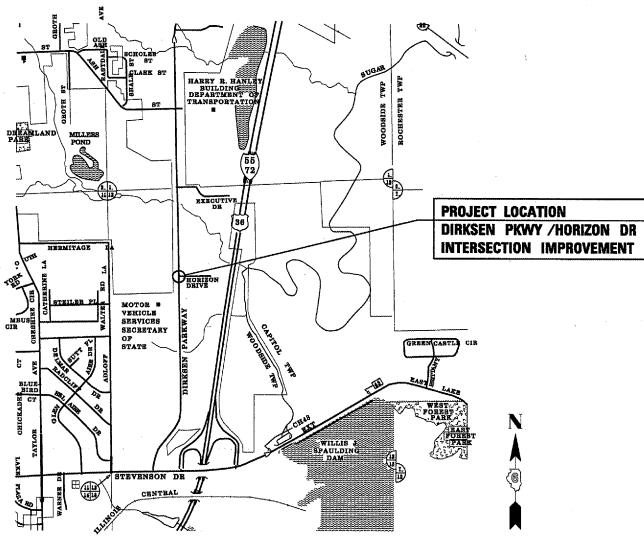
CONTRACT NO. 72B75

CANCAMON COUNTY

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

PROPOSED HIGHWAY PLANS

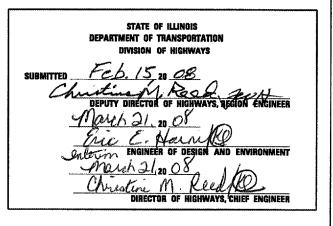
FAP 663 (DIRKSEN PARKWAY) SECTION 17N, TS, I PROJECT/NO. **SANGAMON COUNTY** C-96-035-08



RTE. 663 17N, TS, I SANGAMON 25 1 ILLINOIS CONTRACT NO. 72875

D-96-035-08





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

- 1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE
- 3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
- 5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS
- 6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
- 7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT, EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT) BITUMINOUS MATERIALS (PRIME COAT) AGGREGATE PRIME COAT

0.00038 TON/SQ. YD. (ON PAVEMENT)
0.001425 TON/SQ. YD. (ON AGG)
0.002 TON/SQ. YD.
0.056 TON/SQ. YD. PER 1"
2.05 TON/CU. YD.
2.0 TON/ACRE
2.0 TON/ACRE
90 LBS./ACRE
90 LBS./ACRE
90 LBS./ACRE

BITUMINOUS CONCRETE SURFACE / BINDER AGGREGATE MATERIAL

AGREGATE MATERIAL
MULCH METHOD
AGRICULTURE GROUND LIMESTONE
NITROGEN FERTILIZER NUTRIENT
PHOSPHOROUS FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT

- 9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 11. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	LEV BIND (MACH METH)	HMA SURF CSE	HMA SHLDRS
AC/PG:	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS:	4.0% @ N DES=50	4.0% @ N DES=50	2.0% @ N DES=30
MIXTURE COMPOSITION:			
(GRADATION MIXTURE)	11.9.5	IL 9.5 OR IL 12.5	BAM
FRICTION AGREGATE:	N/A	MIX "C"	N/A

DISTRICT SIX
EXAMINED Feb 15 20 08
OPERATIONS ENGINEER
EXAMINED 2-14-2008 W. R. Freyer
PROGRAM IMPLEMENTATION ENGINEER
EXAMINED February 14, 20 08 William R. Freig zutt PROGRAM DEVELOPMENT ENGINEER

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	PLOT DATE = 2/14/2008	DATE ~	REVISED -	

SCALE:

	SUMMARY OF QUANTITIES	<u> </u>	URBAN	100% STATE QUANTITY	90% STAT 10% CITY
CODE NO	PAY ITEM	UNITS	TOTAL OUANTITY	SFTY-2A	QUANTIT YO31-1F
20200100	EARTH EXCAVATION	CU YD	32	32	
25000200	SEEDING, CLASS 2	ACRE	0.1	0. 1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
25000500	PHOSPOROUS FERTILIZER NUTRIENT	POUND	9	9	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
25100115	MULCH, METHOD 2	ACRE	0.1	0.1	
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	- SO YD	468	468	
35300400	PORTLAND CEMENT CONRETE BASE COURSE 9"	SQ YD	328	328	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	15	15	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	77	77	
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	159	159	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	620	620	
42400800	DETECTABLE WARNINGS	SQ FT	80	80	
44000100	PAVEMENT REMOVAL	SQ YD	87	87	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	642	642	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	447	447	
44000600	SIDEWALK REMOVAL	SQ FT	120	120	
44000920	BITUMINOUS CONCRTE SHOULDER REMOVAL	SQ YD	205	205	

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STATI	E OF	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

1	, , , , , , , , , , , , , , , , , , , ,									F.A.P RTE.		SEC	TION		COUNTY	TOTAL	SHEET NO.
١			2	ŲW	MAI	ry of al	JANTITIES	S		663		17N,	TS, 1		SANGAMON	25	3
ļ		-,					·							ľ	CONTRACT	NO. 7	2875
J	SCALE:	SHEET	NO.	Ç	F 5	SHEETS	STA.		STA.	 FED. RC	AD DIST	. NO.	ILLINOIS	FED. All	D PROJECT		

	SUMMARY OF QUANTITIES	·	URBAN	100% STATE	90% STATE
CODE NO	PAY ITEM	LINITTO	TOTAL	QUANTITY	10% CITY QUANTITY
44002020	CONCRETE MEDIAN SURFACE REMOVAL	UNITS SQ FT	OUANTITY 266	<i>SFTY-2A</i> 266	Y031-1F
			200	200	<u></u>
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	101	101	
54201483	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	29	29	
54215553	METAL END SECTIONS 18"	EACH	2	2	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	340	340	
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	33	33	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	61	61	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	60	60	
60610900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	56	56	
67100100	MOBILIZATION	L SUM	1	1	
672000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	*************************************
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	458	458	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	345	345	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	352	352	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	127	127	
	DESIGNED - DES DEVISED -	ITEMS			L

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

TO STA,

· · · · · · · · · · · · · · · · · · ·	SUMMARY OF QUANTITIES		URBAN	100% STATE	90% STATE 10% CITY
CODE NO	PAY ITEM		TOTAL	QUANTITY	QUANTITY
CODE NO	AT TIEW	UNITS	QUANTITY	SFTY-2A	Y031-1F
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	62	62	
		MAN M disk to the space of the			
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	489	489	
* 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	60		:
. 18003180	PREFORMED PLASTIC PAVEMENT MARKING, TIPE B - LINE 24	FOOT	62	62	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	98	98	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	12		12
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	44		44
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	6		6
O TO TE O O	Production of the control of the con	1 001	0		
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	 FOOT	311		311
			·		
81021540	CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	46		46
01001570	CONDUIT AUGEDED 7/4 DIA DVC	FOOT			
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	80		80
*< 81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	112		112
				:	
81400100	HANDHOLE	EACH	3		3
81400300	DOUBLE HANDHOLE	 EACH	1		1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	83		83
01300200	THE NOT AND BACK TEE TON ELECTRICAL WORK	1 001			0.5
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 20	FOOT	406, 5		406.5
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	221.5		221.5
0.7701045	FLECTRIC CARLE IN CONDUIT SIGNAL NO. 14 FC	 FOOT			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	569		569
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7C	FOOT	241.5		241.5
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	468		468
	<u>l</u> :		TY ITEMS		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 3 OF 5 SHEETS STA.

TO STA.

	SUMMARY OF QUANTITIES			URBAN	100% STATE	90% STAT
CODE NO	PAY ITEM			TOTAL	QUANTITY	10% CITY QUANTITY
			UNITS	QUANTITY	SFTY-2A	Y031-1F
87301525	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 6 PAIR		FOOT	303.5		303.5
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C		FOOT	15		15
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.		EACH	2		2
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.		EACH	1		1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.		EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A		FOOT	6		6
87800200	CONCRETE FOUNDATION, TYPE D		FOOT	3.5		3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER		FOOT	22		22
87900200	DRILL EXISTING HANDHOLE		EACH	1		
,]						
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED		EACH	2		2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED		EACH	1		1
00040120	SIGNAL HEAD, FOLICANDONATE, EED, 1-FACE, 4-SECTION, MAST ARM MOUNTED		EACH	<u> </u>		1
88040320	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4 SECTION, 2-5-SECTION, BRACKET	MOUNTED	EACH	1		1
88040360	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 5-SECTION, BRACKET MOUNTED		EACH	1		1
88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED		EACH	. 2		2
88102830	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED		EACH	2		2
88200100	TRAFFIC SIGNAL BACKPLATE		EACH	7		7
						er de Arten de Pier de Verde Verde de Arten de de Santon de Arten
88800100	PEDESTRIAN PUSH-BUTTON		EACH	6		6
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION		EACH	1		1
89502200	MODIFY EXISTING CONTROLLER		EACH	1		1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

	SUMMARY OF QUANTITIES		URBAN	100% STATE	90% STAT 10% CITY
CODE NO	PAY ITEM		TOTAL	QUANTITY	QUANTIT
	I AT TIEM	UNITS	QUANTITY	SFTY-2A	Y031-1F
**89502350 _.	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1378		1378
* 89502375	REMOVE EXISTING TRAFFICE SIGNAL EQUIPMENT	EACH	1		1
*89502380	REMOVE EXISTING HANDHOLE	EACH	4		4
*89502385	DEMONE EXICTING CONCRETE EQUIDATION	= (0.1)		· · · · · · · · · · · · · · · · · · ·	
, 84205382	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4		4
*x0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	567		567
70323133	ELECTRIC CABLE IN CONDUIT, OROGINS, NO. 8 TO CORLEMY	1001	361		361
				· · · · · · · · · · · · · · · · · · ·	
					2
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					,
				-	

* SPECIALTY ITEMS

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c:\projec	ots\d603508\shtsaq.dgn		DRAWN -	RTS	REVISED -	STATE OF ILLINOIS		SUMMARY OF QU	ANTITIES		663	17N. TS. I	SANGAMON	25
		PLOT SCALE = 100.0000 '/ IN.	CHECKED -	MEB	REVISED -	DEPARTMENT OF TRANSPORTATION	·						CONTRACT	NO.
<u> </u>		PLOT DATE = Feb-21-2008 01:52:50PM	DATE -	02-19-08	REVISED -		SCALE:	SHEET NO. 5 OF 5 SHEETS	STA.	TO STA.	FED. ROAD DIS	T. NO. ILLINOIS FED. AL	ID PROJECT	

COMBINATION CURB @ GUTTER REMOVAL					
LOCATION	NEEDED LENGTH (FT)				
SOUTHEAST QUADRANT RADIUS	252.0				
SOUTHEAST QUADRANT ISLAND	43.0				
NODTHEAST OHADDANT DADING	67.7				
NORTHEAST QUADRANT RADIUS NORTHEAST QUADRANT ISLAND	87.7 50.0				
NOTTHEAST GOADITART ISEARD	30.0				
NORTHWEST QUADRANT ISLAND	7.0				
SOUTHWEST QUADRANT ISLAND	7.0				
······································	TOTAL = 446.7 FT				

CONCRETE MEDIAN SURFACE REMOVAL					
LOCATION	NEEDED QUANTITY (SQ FT)				
SOUTHEAST QUADRANT ISLAND	75.0				
NORTHEAST QUADRANT ISLAND	100.3				
SOUTHWEST QUADRANT ISLAND	42.6				
NORTHWEST QUADRANT ISLAND	48.0				
	TOTAL = 265.9 SQ FT				

BITUMINOUS CONCRETE SHOULDER REMOVAL					
LOCATION	NEEDED QUANTITY (SQ YD)				
STA. 36+79.13 TO STA. 38+10.50	120.2				
STA, 40+99.48 TO STA, 41+77.92	84.4				
<u></u>	TOTAL = 204.6 SQ YD				

PAVEMENT REMOVAL				
LOCATION	NEEDED QUANTITY (SQ YD)			
SOUTHEAST QUADRANT ISLAND	40.5			
NORTHEAST QUADRANT ISLAND	46.7			
	TOTAL = 87.2 SO YD			

SIDEWALK REMOVAL					
LOCATION	NEEDED QUANTITY (SQ FT)				
SOUTHEAST QUADRANT RADIUS	54.1				
NORTHEAST QUADRANT RADIUS	65.3				
	TOTAL = 119.4 SQ FT				

	······································
SUB-BASE GRANULAR MATI	ERIAL TYPE A, 4"
LOCATION	NEEDED OUANTITY (SO YD)
SOUTHEAST QUADRANT RADIUS	282.0
SOUTHEAST QUADRANT ISLAND	40.5
NORTHEAST QUADRANT RADIUS	98.3
NORTHEAST QUADRANT ISLAND	46.7
<u> </u>	TOTAL = 467.5 SQ YD
	TOTAL = 401.5 30 TD

P.C.C. BASE COUR	RSE, 7"
LOCATION	NEEDED QUANTITY (SQ YD)
SOUTHEAST QUADRANT RADIUS	55.5
NORTHEAST QUADRANT RADIUS	83.3
	TOTAL = 138.8 SO YD

P.C.C. PAVEMEN	T 8"
LOCATION	NEEDED OUANTITY (SO YD)
SOUTHEAST QUADRANT TURN LANE	159.0
	TOTAL = 159.0 SO YD

CONCRETE MEDIAN	SURFACE, 4"
LOCATION	NEEDED QUANTITY (SQ FT)
SOUTHEAST QUADRANT ISLAND	92.3
NORTHEAST QUADRANT ISLAND	111.7
	TOTAL = 204.0 SQ FT

PCC SIDEWALK, 4	INCH
LOCATION	NEEDED QUANTITY (SQ FT)
SOUTHEAST QUADRANT ISLAND	95.9
SOUTHEAST QUADRANT RADIUS	168.0
NORTHEAST QUADRANT ISLAND	98.9
NORTHEAST QUADRANT RADIUS	176.6
SOUTHWEST QUADRANT ISLAND	33,5
NORTHWEST QUADRANT ISLAND	36.4
	TOTAL = 620.1 SO FT

COMBINATION CONCRETE CURB @ GUTTER, TYPE M-6.06					
LOCATION NEEDED LENGTH (FT)					
SOUTHEAST QUADRANT ISLAND	28.9				
NORTHEAST QUADRANT ISLAND	32.4				
	TOTAL = 61.3 FEET				

COMBINATION CONCRETE CURB @ GUTTER, TYPE M-6.24				
LOCATION	NEEDED LENGTH (FT)			
SOUTHEAST QUADRANT ISLAND	23.9			
NORTHEAST QUADRANT ISLAND	21.5			
SOUTHWEST QUADRANT ISLAND	7.0 *			
NORTHWEST QUADRANT ISLAND	7.0 *			
*-DEPRESSED CURB & GUTTER	TOTAL = 59.4 FEET			

COMBINATION CONCRETE TYPE M-6.24 (VARIABLE	
LOCATION	NEEDED LENGTH (FT)
SOUTHEAST QUADRANT ISLAND	24.3
NORTHEAST QUADRANT ISLAND	31.7
	TOTAL = 56.0 FEET

ALTO MARK AND AN				
COMBINATION CONCRETE CURB @ GUTTER, TYPE B-6.24				
LOCATION NEEDED LENGTH (FT)				
SOUTHEAST QUADRANT RADIUS	260.8			
NORTHEAST QUADRANT RADIUS 79.4				
	TOTAL = 340.2 FEET			

COMBINATION CONCRETE (TYPE B-6.24 (VARIABLE V	
LOCATION	NEEDED LENGTH (FT)
SOUTHEAST QUADRANT RADIUS ALONG DIRKSEN PKWY. STA. 37+39.81 TO STA. 37+55.98	16.2
NORTHEAST QUADRANT RADIUS ALONG DIRKSEN PKWY. STA. 41+23.21 TO STA. 41+39.71	16.5
	TOTAL = 32.7 FEET

FILE NAME :	USER NAME = laughlimrl	DESIGNED	-	RTS	REVISED	-
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	PLOT CATE = Feb-20-2008 11:33:00AM	DATE	-	FEBRUARY 11, 2008	REVISED	*

STATE	OF	ILLINOIS
DEPARTMENT	OF 1	TRANSPORTATION

	0011F0111 F0 0F 01			FAP RTE,		TION	COUNTY	SHEETS	SHEET NO.
	SCHEDULES OF QU	JANHHES			17N,	TS. I	SANGAMON	25	8
	·	r					CONTRACT	NO.	72B75
SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. RE			D PROJECT		

HOT-MIX ASPHALT SH	OULDERS, 8"
LOCATION	NEEDED QUANTITY (SO YD)
STA. 36+79.13 TO STA. 37+39.81	53.1
STA. 41+39.71 TO STA. 41+77.92	47.6
(TOTAL = 100.7 SQ YD

FILE NAME :

DESIGNED - RTS

DRAWN - RTS

CHECKED - MEB

DATE - FEBRUARY 11. 2008 REVISED -

USER NAME ≈ laughlinrl

PLOT SCALE = 40.0000 '/ IN.

PLOT DATE = Feb-20-2008 11:33:01AM

REVISED

REVISED

REVISED

THERMOPLASTIC PAVE	MENT MARKING - LINE 5"	
LOCATION (STATION RANGE)	DESCRIPTION	QUANTITY (FOOT
DIRKSEN PARKWAY:		
36+79.13 TO 37+56.06	RIGHT EDGE LINE - WHITE	76.9
41+24.02 TO 41+77.92	RIGHT EDGE LINE - WHITE	53.9
HORIZON DRIVE:		
10+57.95 TO 12+21.31 (DOUBLE LINES)	CENTER LINE - YELLOW	326.7
	ТОТА	L = 457.5 FEET

EMENT MARKING - LINE 6"	
DESCRIPTION	QUANTITY (FOOT)
2' DASH / 6' SKIP - WHITE	36.3
SOLID LINE - WHITE	136.2
SOLID LINE - WHITE	12.7
· SOLID LINE - WHITE	27.3
SOLID LINE - WHITE	132.9
TOTAL	= 345.4 FEET
	DESCRIPTION 2' DASH / 6' SKIP - WHITE SOLID LINE - WHITE SOLID LINE - WHITE SOLID LINE - WHITE SOLID LINE - WHITE

THERMOPLASTIC PAVE	EMENT MARKING - LINE 8"			
LOCATION (STATION RANGE) DESCRIPTION QUANTITY (FOOT)				
SOUTHEAST QUADRANT ISLAND OUTLINES	SOLID LINE - WHITE	187.0		
NORTHEAST QUADRANT ISLAND OUTLINES	SOLID LINE - WHITE	165.0		
TOTAL = 352.0				

THERMOPLASTIC PAVEMENT MARKING - LINE 12"				
LOCATION (STATION RANGE) DESCRIPTION QUANTITY (FOOT)				
SOUTHEAST QUADRANT ISLAND DIAGONALS	SOLID LINE - WHITE	76.0		
NORTHEAST QUADRANT ISLAND DIAGONALS.	SOLID LINE - WHITE	51.2		
TOTAL = 127.2				

CRIPTION QUANTITY (LINE - WHITE 169.0 LINE - WHITE 169.0	
LINE - WHITE 169.0	1
·	
LINE - WHITE 60.0	
LINE - WHITE 46.0	
LINE - WHITE 44.6	
)	LINE - WHITE 46.0

PREFORMED PLASTIC P	AVEMENT MARKING - LINE	24"
LOCATION (STATION RANGE)	DESCRIPTION	QUANTITY (FOOT)
DIRKSEN PARKWAY:		
NORTHBOUND TRAFFIC LANES	SOLID LINE - WHITE	24.6
SOUTHBOUND TRAFFIC LANES	SOLID LINE - WHITE	25.4
HORIZON DRIVE:		
WESTBOUND TRAFFIC LANE	SOLID LINE - WHITE	12.0
	1	TOTAL = 62.0 FFET
	- 1 -	02.0 1.2.

PREFORMED PLASTIC PAVEME	NT MARKING - LETTERS	& SYMBOLS
LOCATION (STATION RANGE)	DESCRIPTION	QUANTITY (SQ FT)
DIRKSEN PARKWAY:		
NORTHBOUND TURN LANE ONTO HORIZON DR.	ARROW - WHITE (15.6 SQ FT)	31.2
HORIZON DRIVE:		,
WESTBOUND TURN LANE ONTO DIRKSEN PKWY.	ARROW - WHITE (15.6 SQ FT)	31.2
	тот	AL = 62.4 SQ FT

TO STA.

SCHEDULES OF QUANTITIES

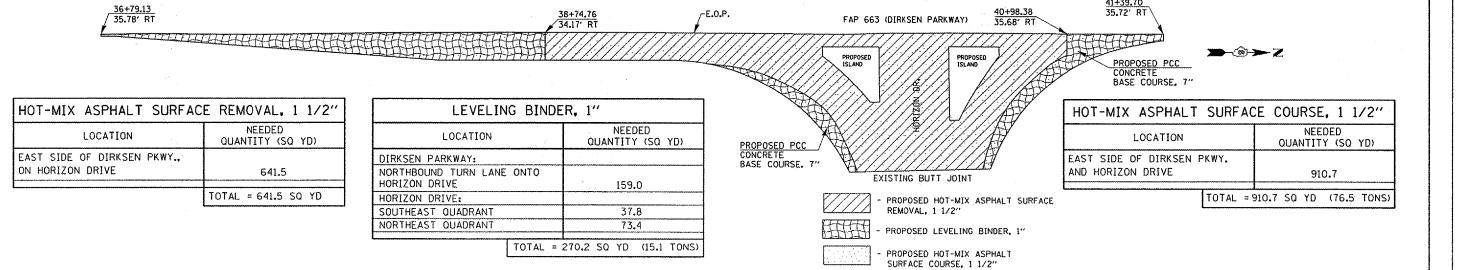
SHEET NO. 2 OF 2 SHEETS STA.

COUNTY TOTAL SHEET SHEET NO. SANGAMON 25 9

CONTRACT NO. 72B75

SECTION

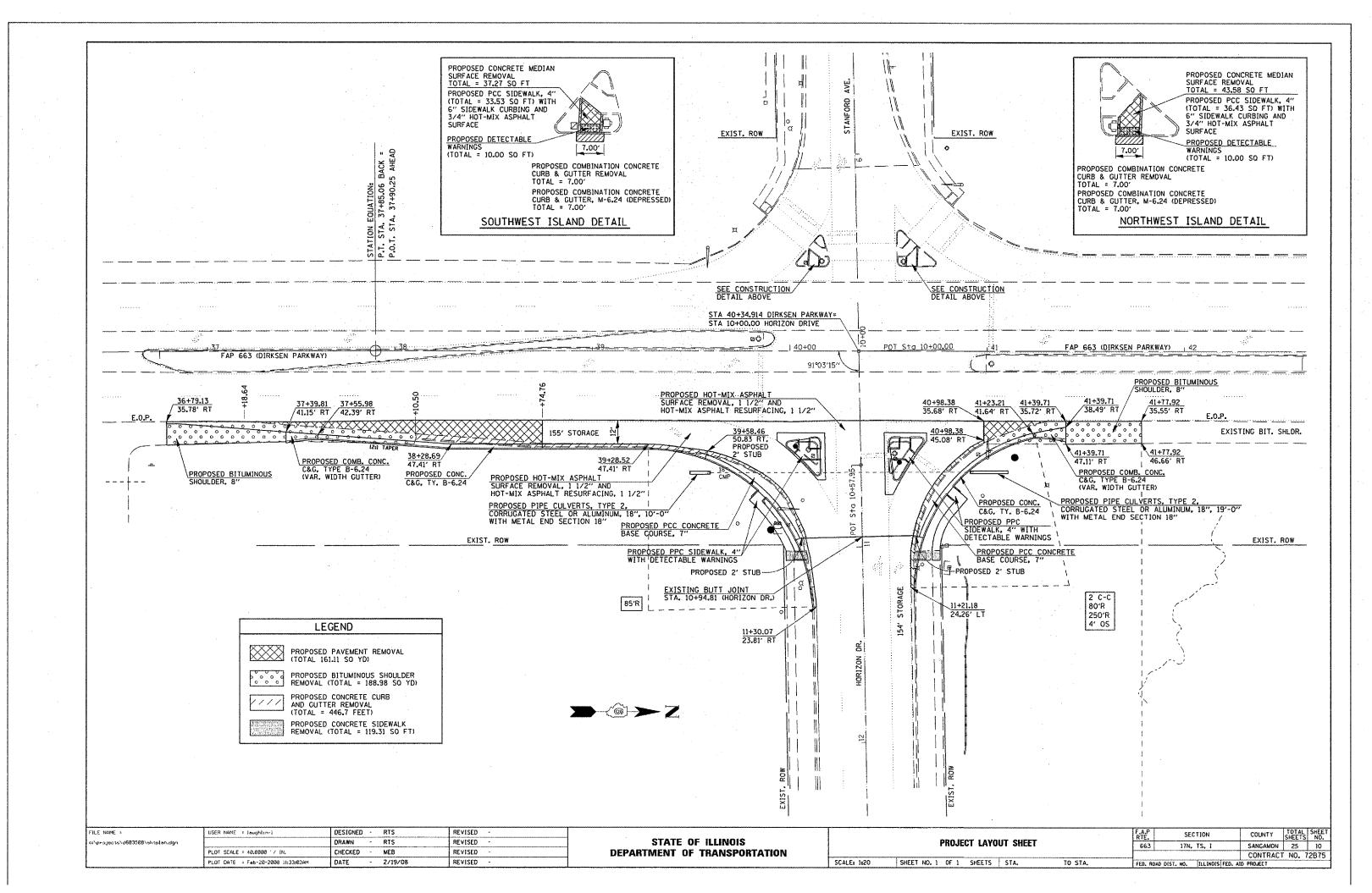
17N, TS, 1

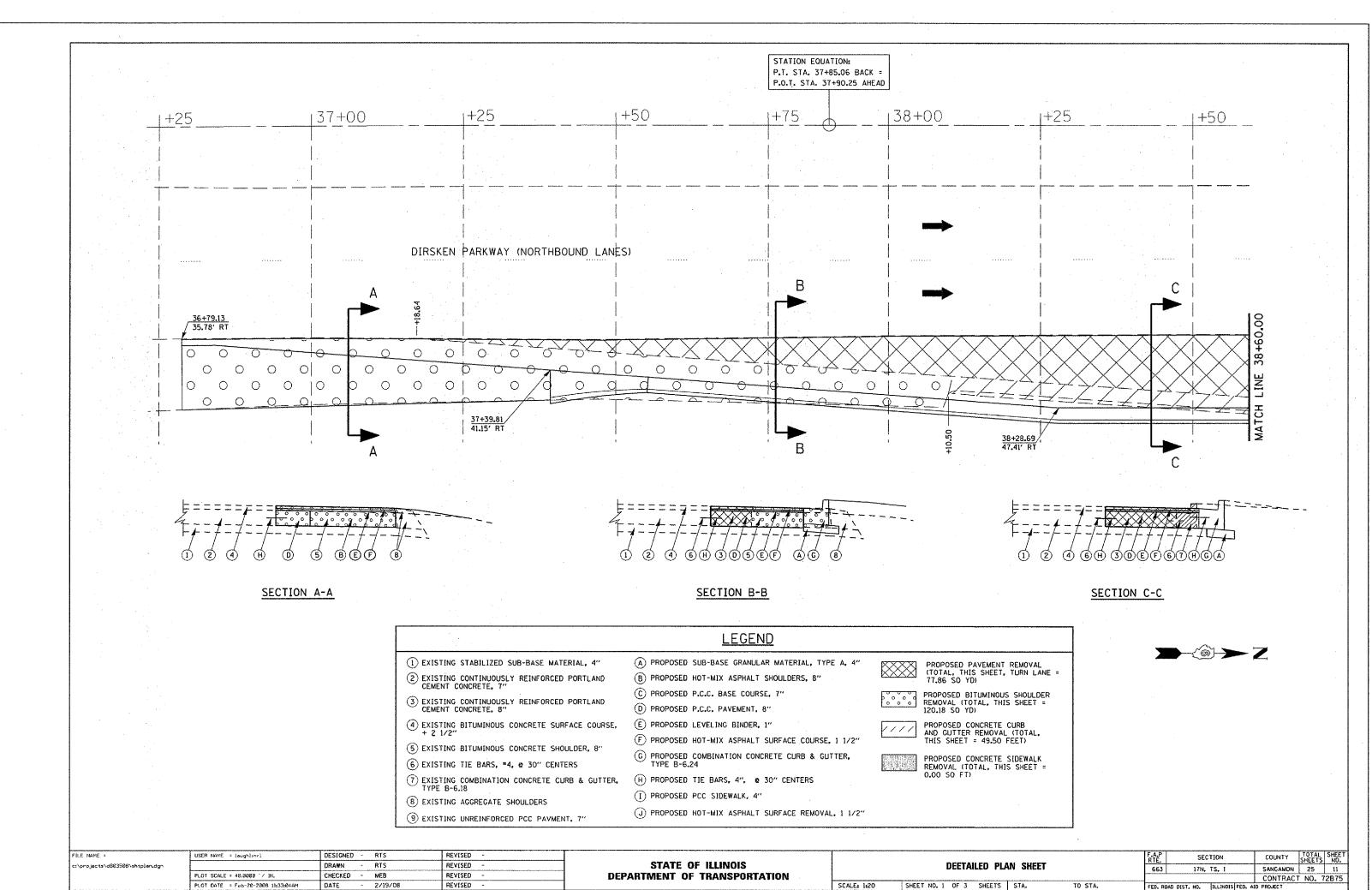


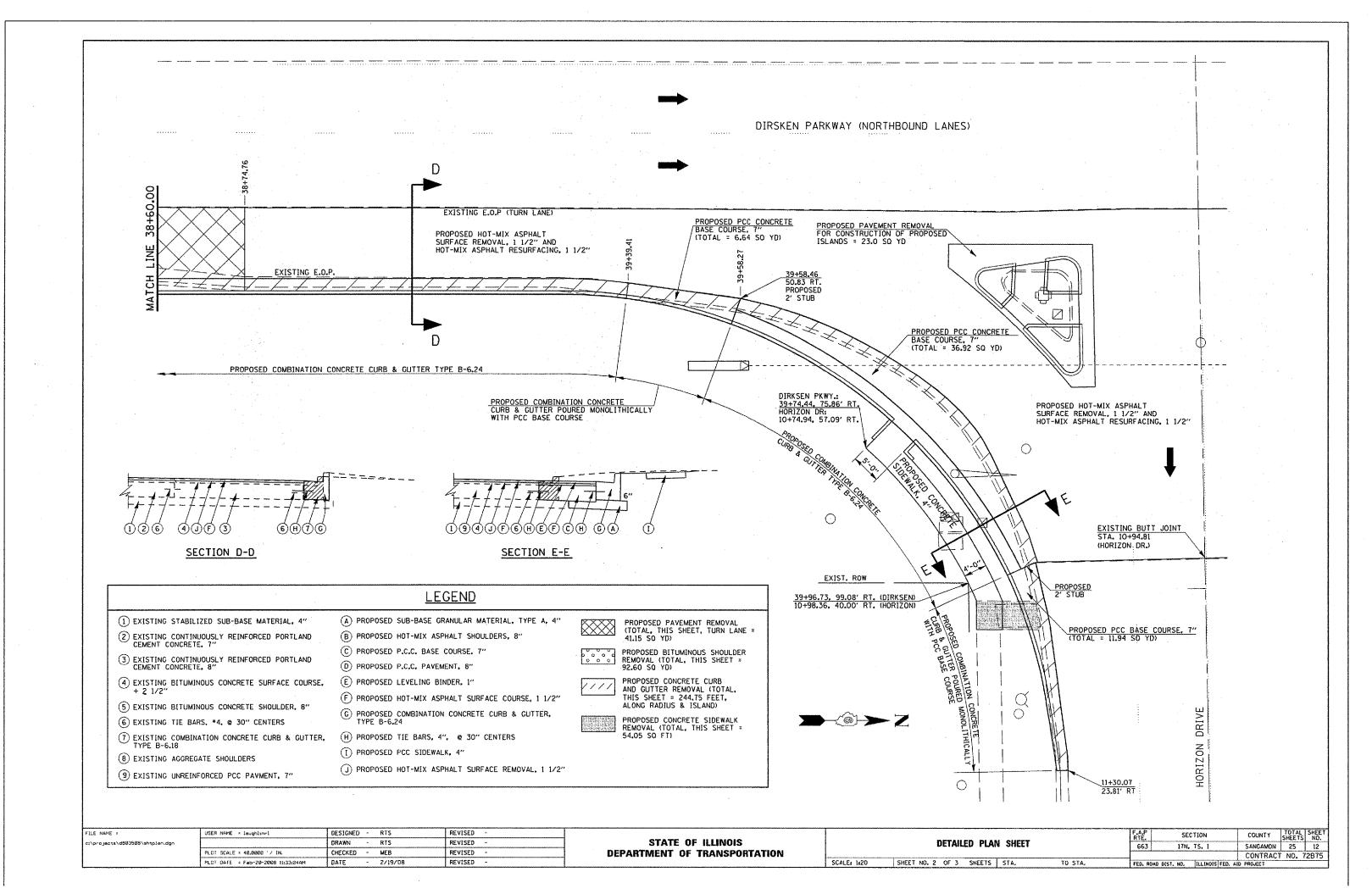
SCALE:

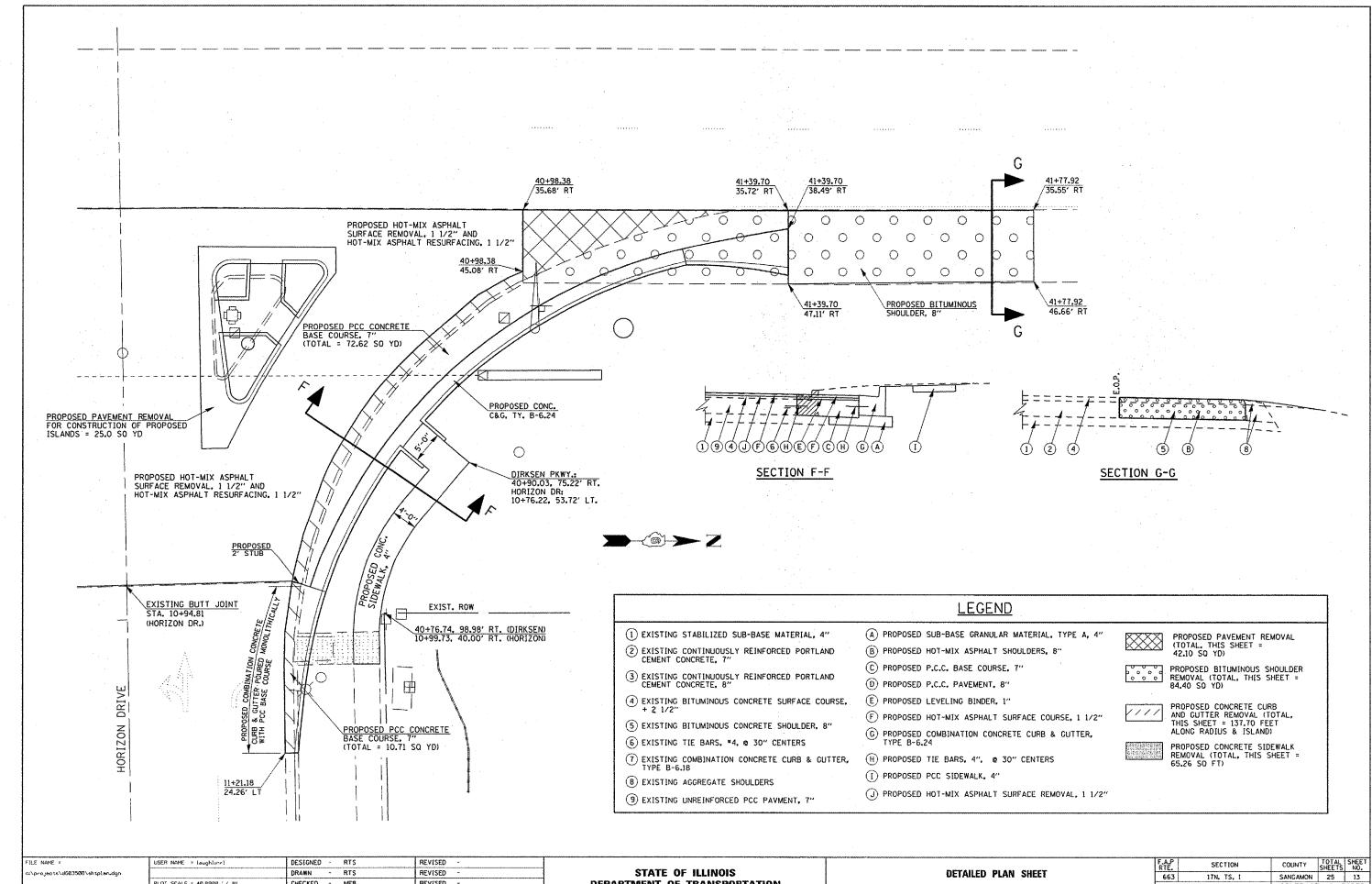
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

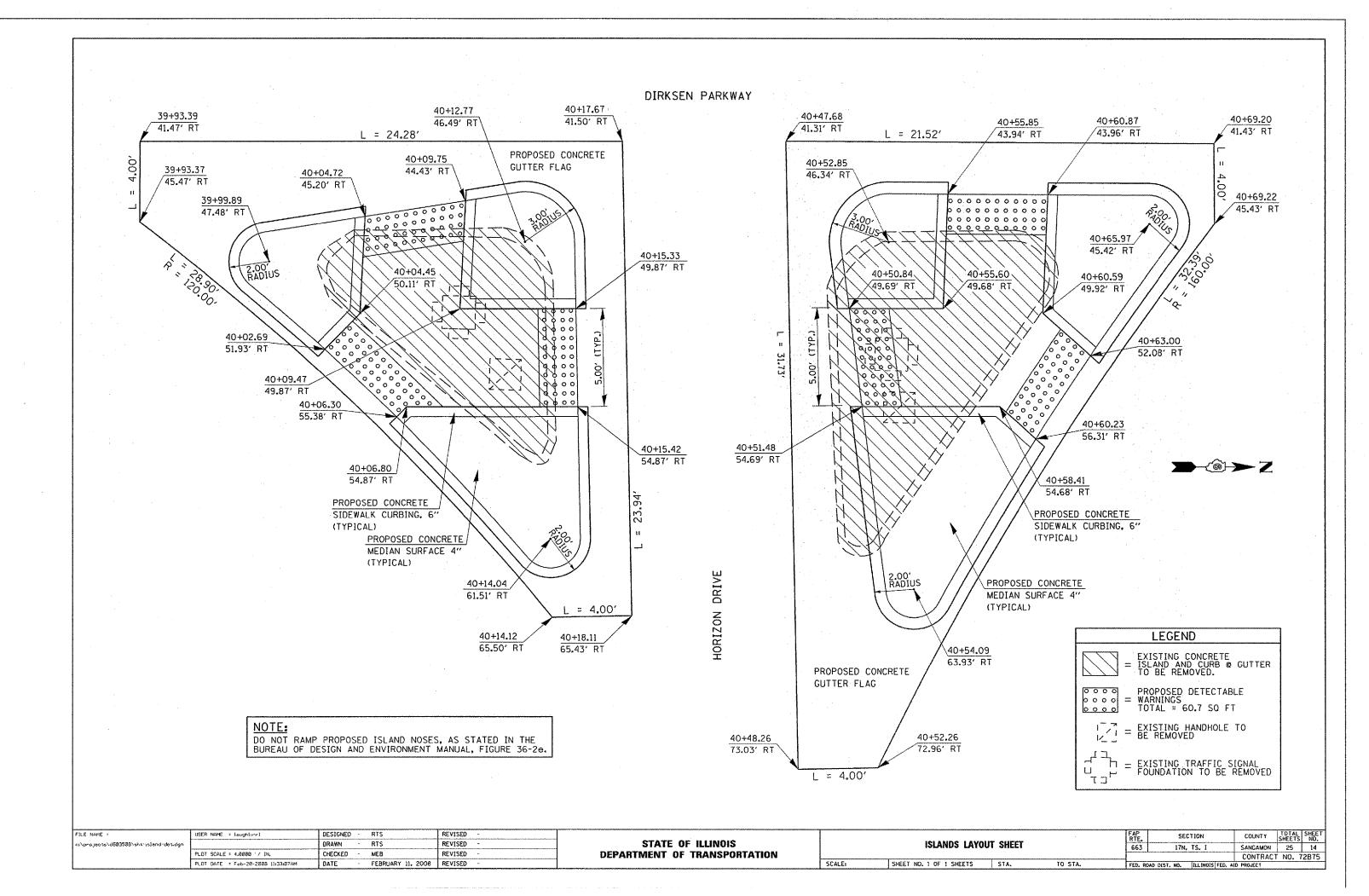


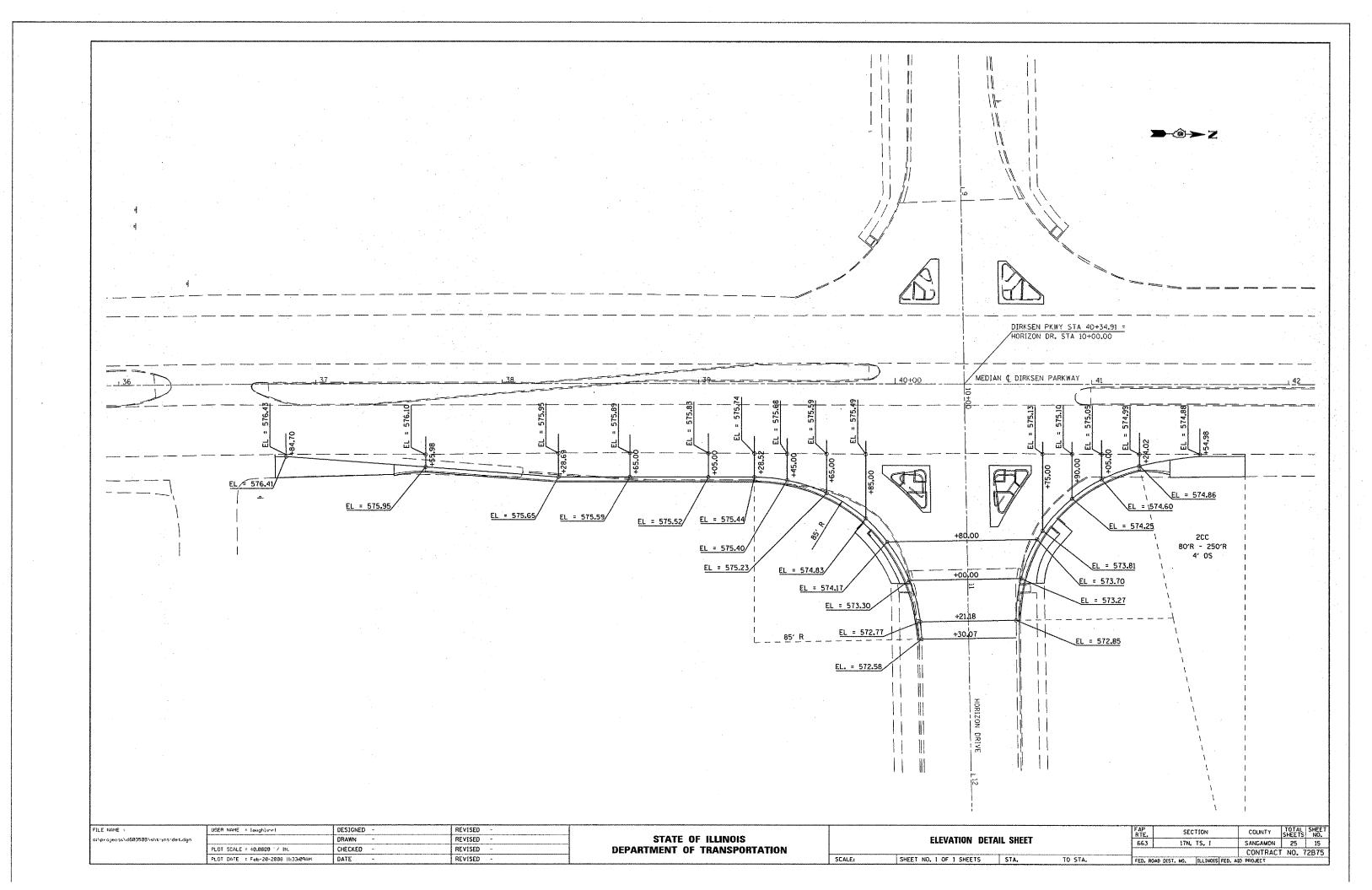


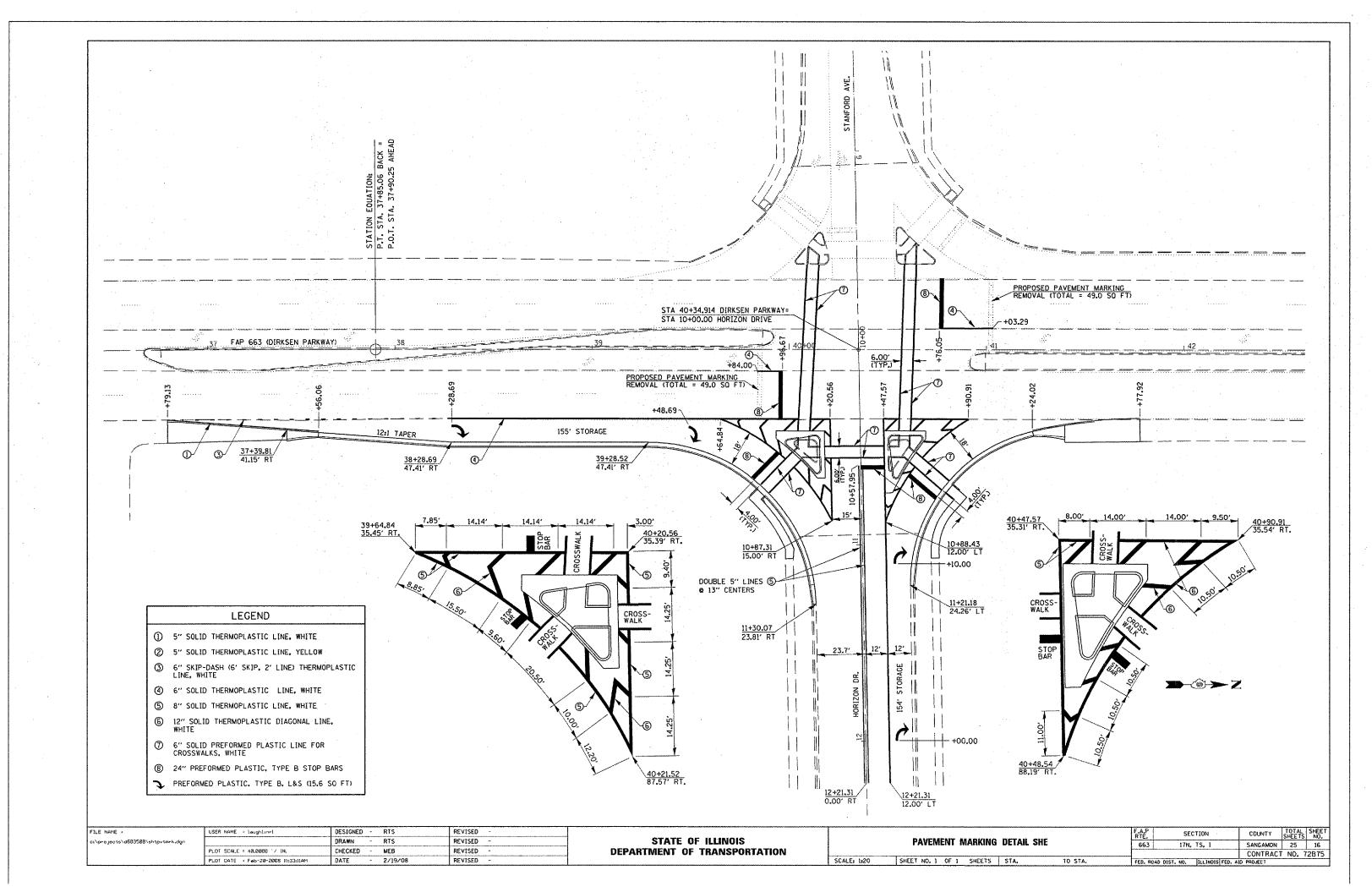


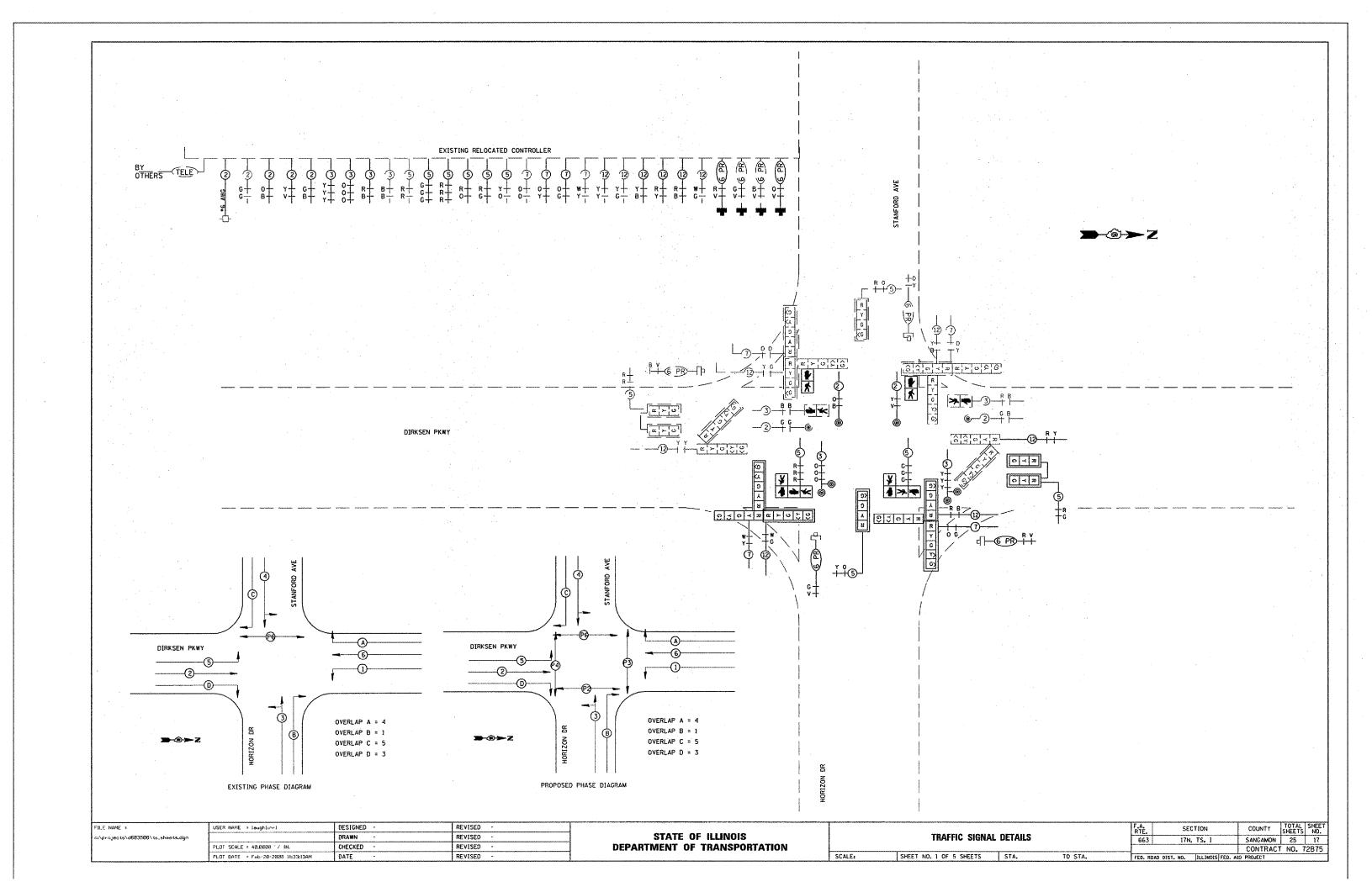


17N. TS, I PLOT SCALE = 40.0000 '/ IN. CHECKED - MEB REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 72875 DATE - 2/19/08 REVISED SHEET NO. 3 OF 3 SHEETS STA. FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT









REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

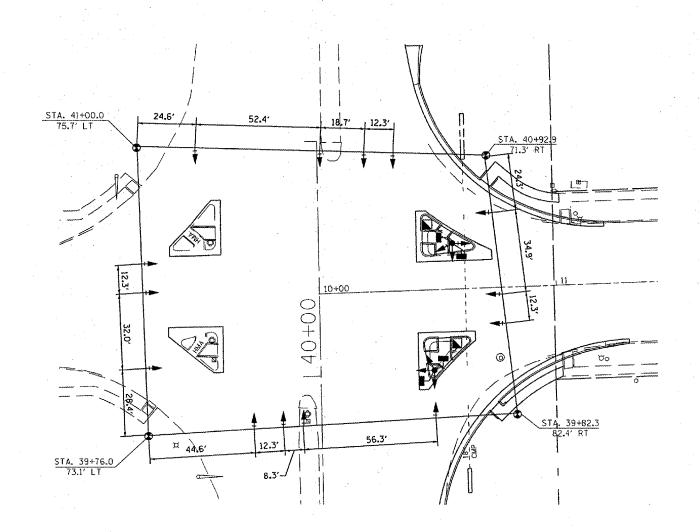
2 EACH MAST ARMS 2 EACH POSTS 9 EACH SIGNAL HEADS

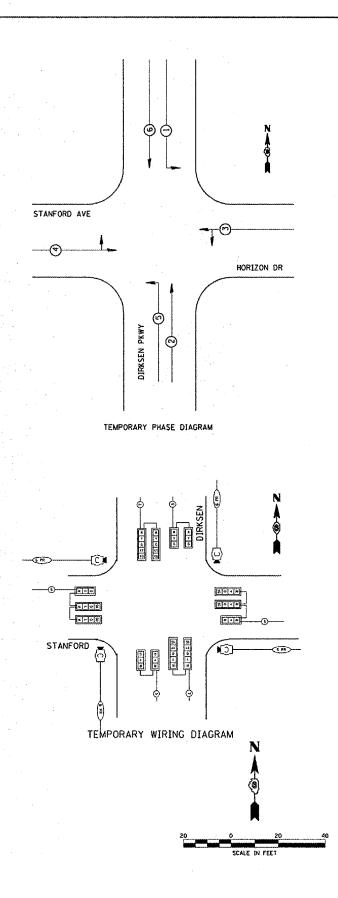
REMOVED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO CITY OF SPRINGFIELD. CONTACT DON OTT 757-8520 EXT. 2182

THE EXISTING MAST ARMS AND SIGNAL POSTS ON THE EAST HALF OF THE INTERSECTION SHALL BE REMOVED

TEMPORARY SIGNAL NOTES:

- 1. TEMPORARY CABINET TO BE FURNISHED BY CONTRACTOR AND EQUIPPED WITH VIDEO DETECTION INTERFACE CABLES.
- 2. TEMPORARY SIGNALS SHALL BE OPERATIONAL PRIOR TO REMOVAL OF EXISTING SIGNALS.
- 3. POLES SHALL BE GUYED OR ANCHORED TO THE STAISFACTION OF THE ENGINEER. ANY ADJUSTMENTS SHALL BE CONSIDERED PART OF THE PAY ITEM FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 4. EXISTING VIDEO DETECTION SYSTEM SHALL BE UTILIZED TO PROVIDE DETECTION FOR THE TEMPORARY CONTROLLER. THE EXISTING CAMERAS SHALL BE RELOCATED TO THE TEMPORARY POLES AND CONTROL UNIT SHALL BE RELOCATED TO THE TEMPORARY CABINET. THE CAMERAS AND CONTROL UNIT SHALL THEN BE RELOCATED TO PROPOSED SIGNALS ONCE INSTALLED. ALL ADJUSTMENTS AND RELOCATION OF VIDEO COMPONENTS AND CABLES ARE TO BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION COST.
- 5. POLES USED FOR TEMPORARY SIGNAL INSTALLATION SHALL PROVIDE FOR A MINIMUM 35 FT. MOUNTING HEIGHT FOR THE VIDEO CAMERAS.
- 6. EXISTING SERVICE TO BE UTILIZED FOR TEMPORARY AND PROPOSED SIGNALS





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	PLOT DATE = Feb-20-2008 11:33:13AM	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

 			F.A. RTE.	SEC	TION	COUNTY	TOTAL	SHEET NO.
TRAFFIC SIGNAL	DETAILS		663	17N.	TS. I	SANGAMON	25	18
 y						CONTRAC	T NO. 7	72B75
SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.	FED, ROA	DO DIST. NO.	ILLINOIS FED.	AID PROJECT		

TRAFFIC SIGNAL PLAN LEGEND PROPOSED DESCRIPTION EXISTING --> SIGNAL HEAD SIGNAL HEAD WITH BACKPLATE +TEMPORARY SIGNAL HEAD -[] PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSHBUTTON DETECTOR DETECTOR LOOP QUADRAPOLE DETECTOR LOOP SIGNAL POST ALUMINUM MAST ARM ASSEMBLY AND POLE STEEL MAST ARM ASSEMBLY AND POLE WOOD POLE WOOD POLE WITH GUY ----SERVICE INSTALLATION CONTROLLER HANDHOLE HEAVY DUTY HANDHOLE H DOUBLE HANDHOLE 0 JUNCTION BOX GULFBOX JUNCTION AERIAL CABLE CONDUIT -------LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (SESTEEL PEPVC FEFIBER DUCT UEUNI-DUCT) CONDUIT SPLICE -----SPAN WIRE / TETHER WIRE SIDEWALK REMOVAL IN SO FT 21 9 12 PC CONC SDWLK 4 IN. IN SQ FT PC CONC SDWLK 4 IN. SPECIAL IN SO FT

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION	
[R]	R	8" SIGNAL SECTION	
G	G		
6>	<u> </u>	DIRECTIONAL SIGNAL SECTION	
:OW: W	Dw W	9" PEDESTRIAN SIGNAL FACE	
: # :			
DW:	DW W	12" PEDESTRIAN SIGNAL FACE	
		•	
α > σ	(C) <	SIGNAL FACE WITH BACKPLATE	
R *	R *	PROGRAMMED SIGNAL SECTION	
G		SIGNAL SECTION WITH LOUVRE	
G).		DUAL-INDICATION SIGNAL SECTION	
r = - →	┌=>		
		INDUCTION DETECTOR LOOP	
<u>_</u> 1	L		
	·		
		QUADRAPOLE DETECTOR LOOP	
	Ш		
× ×< (DIRECT-CONNECTED LOOP LEAD-IN (TWIST	ED)
	 2 	ELECTRIC CABLE DENOTING NUMBER OF CO	NDUCTORS
		ELECTRIC CABLE TO BE REMOVED	
- R W	В С	ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GRE	EN B= BLUE O= ORANGE)
©	•	PEDESTRIAN PUSHBUTTON DETECTOR	
		,	

FILE NAME :	USER NAME = laughlinrl	DESTONED	•	REVISED -
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STATE	OF	ILLINOIS	
DEPARTMENT	OF '	TRANSPORTATION	

		70.5771.0 01.01.1.1			F.A.P RTE,	SECT	10N	COUNTY	TOTAL SHEETS	SHEET NO.
i		TRAFFIC SIGNAL	DETAILS		663	17N, T	S. I	SANGAMON	25	19
ļ		·	·					-CONTRACT	NO.	72B75
_1	SCALE:	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.	FED. RC		ILLINDIS FED. AT			

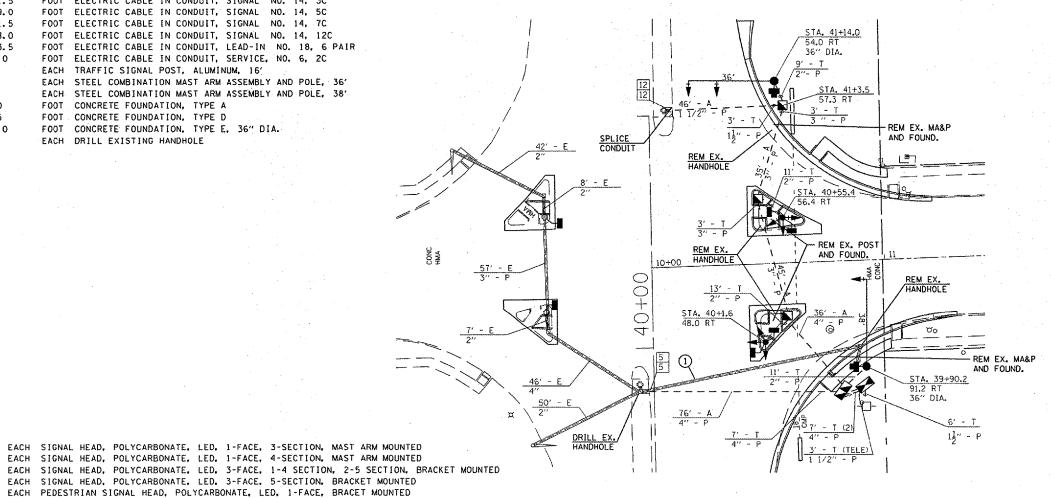
TRAFFIC SIGNAL QUANTITIES

LOCATION: DIRKSEN PKWY & STANFORD AVE

ITEM
SURFACE REMOVAL
SURFACE, 4"
CH. 1 1/2" DIA., PVC
CH. 2 " DIA PVC
CH, 3" DIA., PVC
CH, 4" DIA., PVC
D 1 1/2" DIA., PVC
D 3" DIA., PVC
D 4" DIA., PVC
FILL FOR ELECTRICAL WORK
IN CONDUIT, SIGNAL NO. 14, 2C
IN CONDUIT, SIGNAL NO. 14. 3C
IN CONDUIT, SIGNAL NO. 14, 5C
IN CONDUIT, SIGNAL NO. 14, 7C
IN CONDUIT, SIGNAL NO. 14, 12C
IN CONDUIT, LEAD-IN NO. 18, 6 PAIR
IN CONDUIT, SERVICE, NO. 6, 2C
POST, ALUMINUM, 16'
ON MAST ARM ASSEMBLY AND POLE, 36'
ON MAST ARM ASSEMBLY AND POLE, 38'
TION, TYPE A
TION, TYPE D
TION, TYPE E. 36" DIA.
HANDHOLE

NOTES:

- REMOVE CABLES IN EXISTING CONDUIT TO EXISTING HANDHOLE. REINSTALL CABLES THROUGH PROPOSED CONDUIT TO RELOCATED CABINET
- 2.) TRAFFIC SIGNAL MAST ARM ASSEMBLIES SHALL BE DESIGNED FOR THE LOADINGS SHOWN ON THE HICHWAY STANDARDS OR THESE SIGNAL PLANS WHICHEVER IS GREATER.





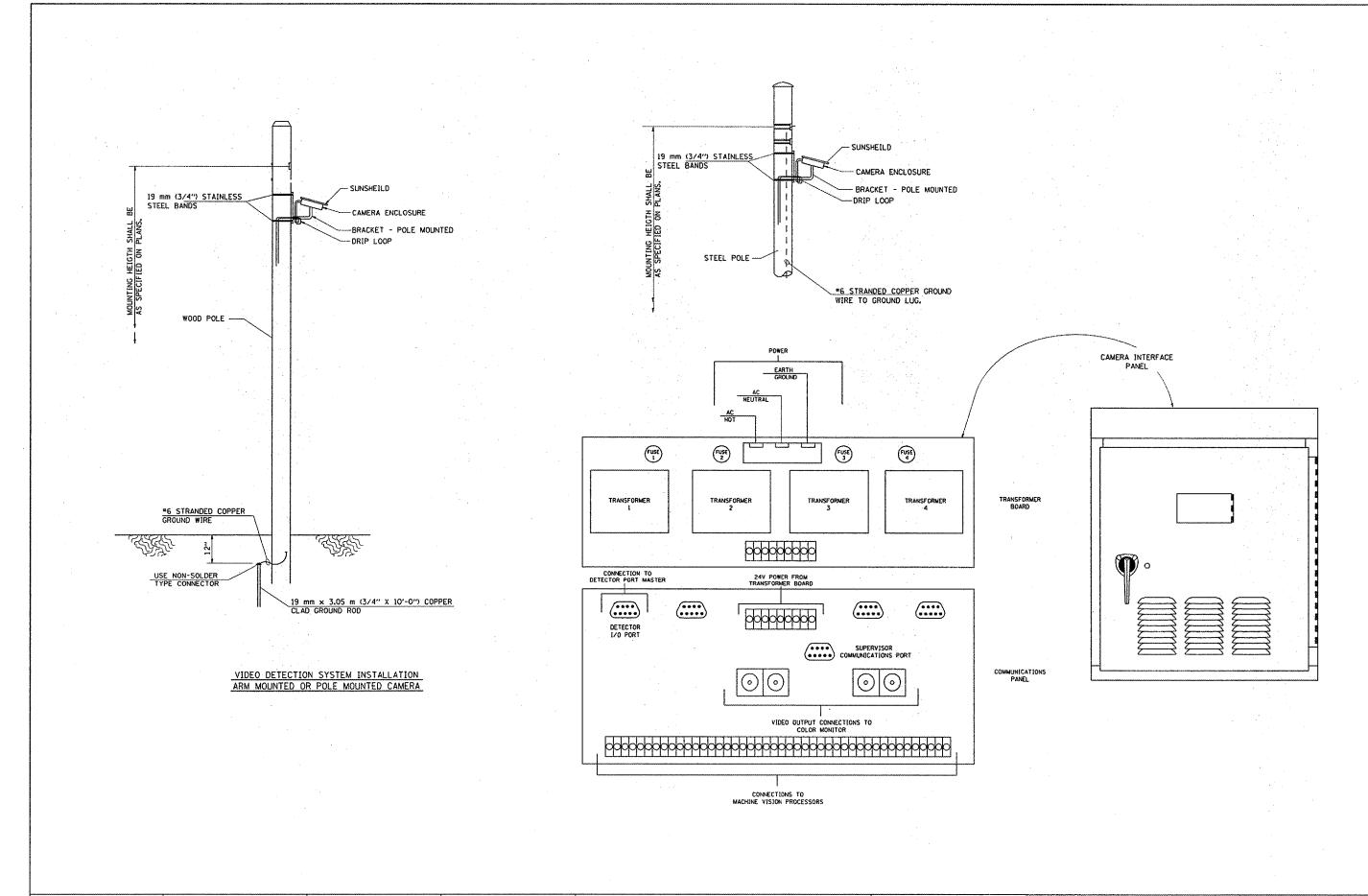
2	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, B
7	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER
1378.0	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	REMOVE EXISTING HANDHOLE
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
567.0	FOOT	ELECTRIC CABLE IN CONDUIT. GROUND, NO. 6 1C (GREEN)

FILE NAME =	USER NAME = laughlinrl	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Feb-20-2008 11:33:14AM	DATE -	REVISED -

STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

SCALE:

TRAFFIC SIGNAL DETAILS		F.A.P SECT		TION COUNT		COUNTY	TOTAL	SHEET NO.	
		663	17N,	TS. 1		SANCAMON	25	20	ĺ
					Ī	CONTRACT	NO.	72B75	ı
SHEET NO. 4 OF 5 SHEETS STA.	TO STA.	FED. RO	DAD DIST. NO.	ILLINOIS	FED. AL	PROJECT			ı



COUNTY TOTAL SHEET NO.
SANGAMON Z5 Z1 FILE NAME = DESIGNED REVISED USER NAME = laughlinrl SECTION STATE OF ILLINOIS c:\projects\d603508\ts_sheets.dgn DRAWN REVISED -TRAFFIC SIGNAL DETAILS 17N, TS, I PLOT SCALE = 40.0000 '/ IN. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 72B75 PLOT DATE = Feb-20-2008 11:33:15AM DATE REVISED SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

