

Matthew G. Bevin Governor

COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET Frankfort, Kentucky 40622 www.transportation.ky.gov/

Greg Thomas Secretary

August 16, 2017

CALL NO. 100 CONTRACT ID NO. 171024 ADDENDUM # 1

Subject: Jefferson County, TGR 0311 034 Letting August 25, 2017

(1)Revised - Plans
(2)Deleted - Pages 431-437 of 507
(3)Revised - Wage Rates - Pages 481-495 of 507
(4)Revised - Bid Items - Pages 502-507a of 507

Proposal revisions are available at http://transportation.ky.gov/Construction-Procurement/.

Plan revisions are available at http://www.lynnimaging.com/kytransportation/.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Kachel Mille

Rachel Mills, P.E. Director Division of Construction Procurement

RM:ks Enclosures



An Equal Opportunity Employer M/F/D

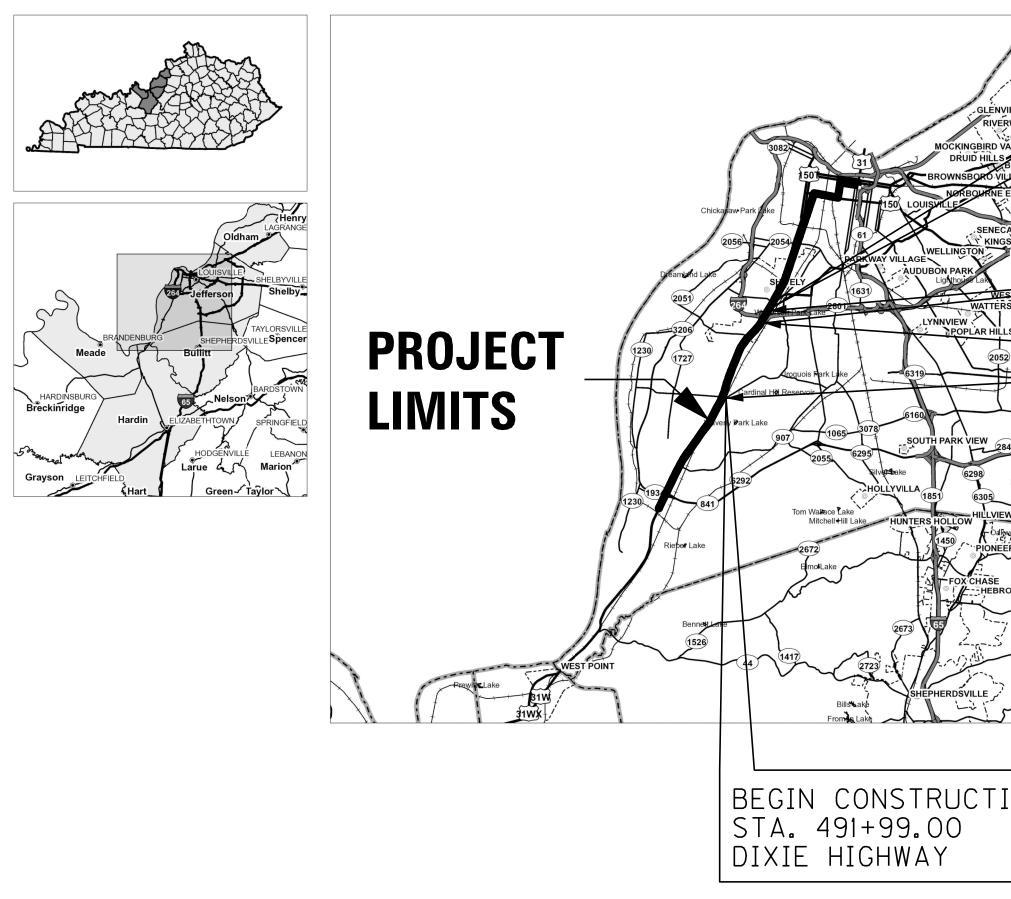
	SHEET NO.	NDEX OF SHEETS DESCRIPTION	
	P001-P017 P008-P010 R001-R251 R002-R002D X001-X170 B01-B61 B01-B03	PROJECT SHEET PROJECT SUMMARY SHEETS ROADWAY SHEETS ROADWAY SUMMARY SHEETS ROADWAY CROSS SECTIONS BUS STATION SHEETS BUS STATION SUMMARY SHEETS ARCHITECTURE SHEETS	
	A001-A010 I01-I83 I01-I05 T01-T39 T01-T04 U01-U27 U02	ARCHITECTURE SHEETS ITS SUMMARY SHEETS TRAFFIC SHEETS TRAFFIC SUMMARY SHEETS UTILITY SUMMARY SHEETS TOTAL SHEETS 673	
		CLUDED IN TOTAL SHEETS ROOZA - ROOZE IOISA	
		NDARD DRAWINGS	
D1997368\P00100LS.DGN	RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03 RDB-019-04 RDB-270-09 RDB-271-05 RDB-271-05 RDB-272-07 RDB-273-06 RDB-280-06 RDB-281-03	RDB-420-05 RGX-001-06 RDI-001-10 RGX-040-03 RDI-002-05 RPM-010-06 RDI-011-03 RPM-100-10 RDI-020-09 RPM-110-07 RDI-021-01 RPM-150-08 RDI-026-01 RPM-170-09 RDI-200-05 TPM-100-03 RDI-200-05 TPM-100-03 RDM-001-07 TTC-115-03 RDM-055 TTC-120-03 RDM-105-03 TTD-120-02 RDX-001-06 TTD-125-02 RDX-002-04 TTS-115-02	
\PWWORKING\PITT\	RDB-283-04 RDB-320-06 RDB-400-05	RDX-160-06 TTS-120-02 RDX-210-03 RDX-215-01 RDX-230-01	
FILE NAME: C:			
. 14, 2017			
-ARD ED: August			
USER: TBALL DATE PLOTTE	DESI CLASS OF HIGHWAY TYPE OF TERRAIN DESIGN SPEED REQUIRED NPSD REQUIRED PSD	IGN CRITERIA URBAN ARTERIAL LEVEL 45 MPH 817'	
100LS	LEVEL OF SERVICE	2017) VARIES: 35,000-58,400	
E-SHEET NAME: POO100LS		D38) VARIES: 43,565-65,173	
9.832 E-SHEET NAME: POOIOOL	ADT FUTURE (20 DHV TBD D % T % 2%-8% GEOGRAP	PHIC COORDINATES REES	
9.832 E-SHEET NAME: POOIOOL	ADT FUTURE (20 DHV TBD D % T % 2%-8% GEOGRAP ATITUDE 038 ONGITUDE 85 DEGR	PHIC COORDINATES	LIN.

Commonwealth of Kentuck DEPARTMENT OF HIGHWA

PLANS OF **PROPOSED PROJECT**

TRANSFORMING DIXIE HIGH

056 0031 013-016 056 0031 004-020 **TGR 0311 034**



LAYOUT MAP

		LENGTH LIN. FT Added deducted for equalities NOT INCLUDED	
	RAILROAD CROSSINGS NO	RAILROAD CROSSINGS NO BRIDGES	_ L _ L

				COUNTY OF	ITEM NO.	SHEET NO.
y YS				JEFFERSON	5-478.7	P001
VAY						
Putrities Pond	ND CONSTRU FA. 699+20. XIE HIGHWA	.08				
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SPRING MILL 6161 000 CREEK SPRING MILL 6161 000 6325 6322 6161 000 6325 6322 6161 000 6325 6325 6326 6367 6376	HIGHMANA	491+99 TO WAY IS UND AGEMENT PO PROJECT IS	ER AN LICY	ACCESS		
1442 NN	Tŀ	HESE PLANS DRAIN AN)E,	
ITEM NO. 5-478. PROJECT OS6 O NUMBER:	031 013-016 (311 034	F HIGHW OF	YAYS	G HOM	ARD	DAVID S. LEE 10838
LES N. FT. N. FT. N. FT. PLAN APPROVED BY:	PROJECT MANAGER			270 ROKSSIONA Thoma X 7/7	VSEO.	all 2017

				PKU	EJECT G	ENEKA	l SUN	IVIAKY	
ITEM	DESCRIPTION	UNIT	ROADWAY	BUS STATION	ITS TRAFFIC	UTILITY - WATER			
01810	STANDARD CURB AND GUTTER	LF		401					
01811	STANDARD CURB AND GUTTER MOD	LF	23552	43					
01875	STANDARD HEADER CURB	LF		1951					
01876	STANDARD HEADER CURB MOD	LF	15783						
01877	SPECIAL HEADER CURB	LF		1702					
01921 21341ND	STANDARD BARRIER MEDIAN TYPE 4 BOLLARDS	SQYD EACH	2662 5						
02014	BARRICADE-TYPE III	EACH	20						
02015	CEMENT CONCRETE ISLAND	SQYD	466						
02200	ROADWAY EXCAVATION	CUYD	10956						
02545	CLEARING AND GRUBBING	LS	1						
02562	TEMPORARY SIGNS	SQFT	2400						
02568	MOBILIZATION	LS	1						
02569	DEMOBILIZATION MAINTAIN & CONTROL TRAFFIC	LS	1						
02650	LANE CLOSURE	EACH	12	25					
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2						
02676	MOBILIZATION FOR MILL & TEXT	LS	1						
02701	TEMP SILT FENCE	LF	5273						
02705	SILT TRAP TYPE C	EACH	278						
02708	CLEAN SILT TRAP TYPE C	EACH	834						
02720	SIDEWALK-4 IN CONCRETE	SQYD	18542	1481					
02726	STAKING ARROW PANEL	LS EACH							
05952	TEMP MULCH	SQYD	52740						
05953	TEMP SEEDING AND PROTECTION	SQYD	39555						
05990	SODDING	SQYD	11087	98					
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT		20					
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	100000						
06514	PAVE STRIPING-PERM PAINT-4 IN PAVE STRIPING-PERM PAINT-6 IN	LF LF	16755 47807	673 3621					
06530	PAVE STRIPING REMOVAL-4 IN	LF	60000	3021					
06531	PAVE STRIPING REMOVAL-6 IN	LF	100000						
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	5000						
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	5000						
06565	PAVE MARKING-THERMO X-WALK-6 IN	LF	10150						
06568	PAVE MARKING-THERMO STOP BAR-24IN		1562	40					
06572	PAVE MARKING-DOTTED LANE EXTEN PAVE MARKING-THERMO STR ARROW	LF EACH	- 195						
06573	PAVE MARKING-THERMO STR ARROW	EACH	143	3					
06575	PAVE MARKING-THERMO COMB ARROW	EACH	20						
QEEDINC	PAVE MARKING-PAINT WORDS	EACH	10	8					
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN								
23139EN	STRIPING REMOVAL	LF	175000						
24935EC	CONCRETE PAINT (MEDIAN)	SOYD DOLL	1233						
10020NS 10030NS	FUEL ADJUSTMENT ASPHALT ADJUSTMENT		26285 48964						
20094ES835	TEMP RELOCATION OF SIGNAL HEAD	EACH COULD	375						
22665EN	REMOVE NON-MOUNTABLE MEDIAN	SQYD SQYD	642						
23158ES505	DETECTABLE WARNINGS	SQFT	2205	871					
24489EC	INLAID PAVEMENT MARKER	EACH	1830						
02242	WATER	MGAL	1998						
24918ES601	CONCRETE-CLASS A (VERGE & MEDIAN)	MGAL SQYD SQYD	5849 150	3 47 36 2 32 3					
23214EC 20000ES724	BRICK-PAVERS FOR ROADWAY (VERGE) TREE (IN TREE GRATE)	EACH	30	42					
24911ED	STRUCTURAL SOIL VAULT SYSTEM (SSVS)	SQYD		218					
20000ES724	TREE	EACH-	6	16					
20000ES724	TREE (ORNAMENTAL)	EACH	7	ju					
	SHRUB (LARGE SHRUBS MORE THAN 3' TALL)	EACH	33	K					

JEFFERSON	5-478.7	P008
COUNTY OF	ITEM NO.	SHEET NO.

	PROJECT TOTAL
	401
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- 1 THE PROJECT TOTALS INCLUDE THE RESPECTIVE TOTALS FROM THE ROADWAY, BUS STATIONS, ITS, TRAFFIC, AND UTILITY GENERAL SUMMARY SHEETS
- ② NOTES FOR THE ITEMS ARE SHOWN ON THE INDIVIDUAL SHEETS.

TRANSFORMING DIXIE HIGHWAY PROJECT GENERAL SUMMARY SHEET 1 OF 4

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ITEM	DESCRIPTION	UNIT	A D	ВU АТ		↓ ↓	⊥ I L W A	
			RO	ST				
20001ES724	SHRUB (SMALL SHRUBS LESS THAN 3' TALL)	EACH	993					
24558ED	ORNAMENTAL GRASS	EACH	1361	39				
23613EC	PERENNIALS	EACH	2411	157				
24912ES724	GROUNDCOVER	EACH	1462					
24917ED	SELECT BORROW MATERIAL	CUYD	3753					
05997	TOPSOIL FURNISHED AND PLACED	CUYD	3902					
00001	DGA BASE CL3 ASPH BASE 1.00D PG64-22	TON	3364 1322	1091				
22906ES403	CL3 ASPH BASE 1.000 F684-22 CL3 ASPH SURF 0.38A PG64-22	TON						
02084	JPC PAVEMENT-8 IN	SQYD	3333					
02101	CEM CONC ENT PAVEMENT-8 IN	SQYD	13789	139				
00071	CRUSHED AGGREGATE SIZE NO 57	TON	2354					
01719	ADJUST INLET	EACH	2					
01792	ADJUST MANHOLE	EACH	109					
02611	HANDRAIL - TYPE A-1	LF	52					
01547	DROP BOX INLET TYPE 12 (FRAME AND GRATE ONLY)	LF	20					
22415EN	CONCRETE CLASS A FOR PAD (BUS PAD - 6 IN)	SQ YD		1743				
22415EN	CONCRETE CLASS A FOR PAD (BUS PAD - 10 IN)	SQ YD	0.050	1457				
02677	ASPHALT PAVE MILLING & TEXTURING	TON	8958	575				
20194ED 21373ND	REMOVE & RESET TRAFFIC SIGN REMOVE SIGN	EACH EACH		10 3				
24303EC	BUS SHELTER (TYPE 1)	EACH		5				
24303EC	BUS SHELTER (TYPE 2)	EACH		14				
24303EC	BUS SHELTER (TYPE 3)	EACH		12				
23404EC	BENCH	EACH		48				
23405EC	TRASH RECEPTACLE	EACH		37				
24605ED	RELOCATE, UTILITY POLE	EACH		1				
22415EN	CONCRETE CLASS A FOR PAD (SHELTER PAD - 4 IN)	SQ YD		1104				
22415EN 24913ED	CONCRETE CLASS A FOR PAD (SHELTER PAD - 8 IN) PYLON	SQ YD EACH		471 36				
24914ED	MODIFIED PYLON	EACH		1				
24894EC	REMOVE (BUS SHELTER)	EACH		8				
24894EC	REMOVE (BUS BENCH)	EACH		23				
24894EC	REMOVE (BUS TRASH CAN)	EACH		17				
24894EC	REMOVE (PARKING METER)	EACH		2				
24731EC	REMOVE AND RESET (MAILBOX)	EACH		2				
24731EC	REMOVE AND RESET (SPRINKLER HEAD)	EACH	1400	1				
00980	SLOTTED DRAIN PIPE-12 IN STORM SEWER PIPE-12 IN	LF LF	1429					
00520	STORM SEWER PIPE-12 IN STORM SEWER PIPE-15 IN		559					
00522	STORM SEWER PIPE-18 IN	LF	12					
00524	STORM SEWER PIPE-24 IN	LF	4					
00525	STORM SEWER PIPE-27 IN	LF	8					
00526	STORM SEWER PIPE-30 IN	LF	11					
00527	STORM SEWER PIPE-33 IN	LF	8					
00528	STORM SEWER PIPE-36 IN		12					
01456	CURB BOX INLET TYPE A CURB BOX INLET TYPE A MOD	EACH EACH	45					
01459	CURB BOX INLET TYPE A MOD	EACH	45 9					
21546ED	CURB BOX INLET TYPE B MODIFIED	EACH	4					
01487	CURB BOX INLET TYPE F	EACH	8					
23643EC	CURB BOX INLET TY-F MOD	EACH	8					
01544	DROP BOX INLET TYPE 11	EACH	3					
01545	DROP BOX INLET TYPE 11 MOD	EACH	1					
20569ES710	DROP BOX INLET TY 13G(MOD)	EACH	3					
01634	CAP CURB BOX INLET	EACH	43					
01650	JUNCTION BOX	EACH	7					

JEFFERSON	5-478.7	P009
COUNTY OF	ITEM NO.	SHEET NO.

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		PROJECT Total
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		993
		1400
		2568
		1462
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				PR	DEJE	CT GE	ENERA	L SUMMAR	Υ
ITEM	DESCRIPTION	UNIT	ROADWAY	BUS Station	ITS	TRAFFIC	UTILITY - WATER		
01642	JUNCTION BOX-18 IN	EACH			208				
04792	CONDUIT-1 IN	LF			4645	534			
04795	CONDUIT-2 IN	LF	125		7392	1345			
04797	CONDUIT-3 IN	LF			3711	\mathcal{S}			
04820	TRENCHING AND BACKFILLING	LF	400		4965	1742			
04888	MESSENGER-4500 LB	LF			2105				
04899	ELECTRICAL SERVICE	EACH			36	1			
21543EN	BORE AND JACK CONDUIT				5984				
24543EC 01650	CLEAN (EXISTING CONDUIT CLEANED) JUNCTION BOX (CONCRETE 32")	LF EACH			29				
24921EC	CONDUIT RISER-2 IN	EACH			73				
24921EC 21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH			71				
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756				
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF			33775				
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			42				
24923EC	CABINET FIBER TERMINATION PANEL	EACH			37				
24924EC	AIR LINK COMMUNICATION	EACH			2				
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			37				
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			2				
24927EC	LAYER 2 ETHERNET SWITCH - RACK MOUNT	EACH			3				
24928EC	FIREWALL UNIT - RACK MOUNT	EACH			3				
24929EC 24930EC	MICROTRENCHING MICRO-DUCT PATHWAY-2 CELL	LF LF			20177 17108				
24930EC 24931EC	MICRO-DUCT PATHWAT-2 CELL MICRO-DUCT PATHWAY-3 CELL				12768				
24932EC	CONDUIT REPAIR				100				
24933EC	JUNCTION BOX REPAIRED	EACH			5				
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF				1881			
04723	BRACKET - 10 FEET	EACH				52			
04780	FUSED CONNECTOR KIT	EACH				104			
04794	CONDUIT - 11/2 IN	LF				49			
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH				57			
04830	LOOP WIRE		7100			25525			
04832	WIRE-NO. 12 CABLE-NO. 14/5C	LF LF				22449			
04845	CABLE-NO. 14/7C					1650			
04850	CABLE-NO. 14/1 PAIR					13919			
04885	MESSENGER-10800 LB	LF				3870			
04895	LOOP SAW SLOT AND FILL	LF	1800			\$ 9799			
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH				35			
04932	INSTALL STEEL STRAIN POLE	EACH				33			
04950	REMOVE SIGNAL EQUIPMENT	EACH	_			94			
06472	INSTALL SPAN MOUNTED SIGN	EACH				34			
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH							
20188NS835 20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN (TRANSIT)	EACH EACH				116			
20188NS835 20189NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN INSTALL LED SIGNAL-5 SECTION, 12 IN	EACH				116			
20189103833 20266ES835	INSTALL LED SIGNAL-3 SECTION, 12 IN INSTALL LED SIGNAL-4 SECTION, 12 IN	EACH				8			
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH				6842			
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD				Capito -			
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH				2			
23206EC	INSTALL CONTROLLER CABINET	EACH				2			
23222EC	INSTALL SIGNAL PEDESTAL	EACH				26			
24589ED	LED LUMINAIRE	EACH				52			
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH				34			
2491650	SKSTEN INTEGRATION								
24941EC 🔪	LED TRANSIT SIGNAL MODULE INSTALL LUMINARE POLE	EACH EACH				> 33)			
🕈 22939ND 🖓							. 1		i

JEFFERSON	5-478.7	P010
COUNTY OF	ITEM NO.	SHEET NO.

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	PROJECT TOTAL
	208
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	8862
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TRANSFORMING DIXIE HIGHWAY PROJECT GENERAL SUMMARY SHEET 3 OF 4

	ITEM	DESCRIPTION
	04793	CONDUIT 11/4 IN
	04829 20359NN	PIEZOELECTRIC SENSOR GALVANIZED STEEL CABINET
	20360ES818	WOOD POST
	20391NS835	ELECTRIC JUNCTION BOX TYPE A
	14021	W FIRE HYDRANT REMOVE
	14036	W PIPE DUCTILE IRON OG INCH
	14037	W PIPE DUCTILE IRON 08 INCH W PIPE DUCTILE IRON 12 INCH
	14050	W PIPE DCTL IRON RSTRND JOINT 12 IN
	14095	W TIE-IN O8 INCH
	14097	W TIE-IN 12 INCH
	14105	W VALVE OG INCH W VALVE O8 INCH
	14108	W VALVE 12 INCH
	14156	W METER REMOVE
GN	14510	W FIRE HYDRANT ASSEMBLY INST
ISU. D	14514	W METER 1 INCH INST
01100	14518	W METER 2 INCH INST W METER 3/4 INCH INST
68 \ P	(ALTR)	W METER VALUET INST
\PWWORKING\PITT\D!997368\P01100SU.DGN	14631	W SERV COPPER SHORT SIDE 1 IN INST
	14632	W SERV COPPER SHORT SIDE 1-1/2 IN INST
C\PI	(14634)	W SERV COPPER SHORT SIDE 2 IN INST W SERV COPPER SHORT SIDE 3/4 IN INST
IRKIN	4076	W REMOVE TRANSITE (AC) PIPE
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PROEJECT GENERAL SUMMARY

UNIT	ROADWAY	BUS STATION	ITS	TRAFFIC	UTILITY - WATER			
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LF	300							
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EACH	6							
EACH	5							
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JEFFERSON	5-478.7	P011			
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NOTES:

- 1 THE PROJECT TOTALS INCLUDE THE RESPECTIVE TOTALS FROM THE ROADWAY, BUS STATIONS, ITS, TRAFFIC, AND UTILITY GENERAL SUMMARY SHEETS
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TRANSFORMING DIXIE HIGHWAY PROJECT GENERAL SUMMARY SHEET 4 OF 4

	GEN
	GENERAL NOTES
	DIVISION 100 - GENERAL PROVISIONS 160 N.G.S. (U.S.G.S.) BENCH MARKS
	DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DI
	165 BEFORE YOU DIG THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811 INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMB BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVAT THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR TH COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN
	DIVISION 400 – ASPHALT PAVEMENTS
	429 WINTER CLOSEDOWN
	ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUS SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL
z	444 ASPHALT PAVEMENT RIDE QUALITY Pavement rideability requirements, in accordance with section 410 o apply on this project. Category a shall apply.
8\P01200GN.DG	447 COMPACTION OF ASPHALT MIXTURES WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVI OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 4 SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.C ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.
TT\D199736	448 COMPACTION OF ASPHALT MIXTURES WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS F SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.
C:\PWWORKING\PITT\D!997368\P01200GN.DGN	455 EDGE KEY THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A N ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE PRICE BID LINEAR FOOT (PER METER)FOR "EDGE KEY" INCLUDES ALL NECESSA NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT
NAME: C:	DIVISION 500 – JPC PAVEMENT AND NON-STRUCTURAL CONCRETE CONST
FILE NAM	555 JPC PAVEMENT RIDE QUALITY Apply jpc pavement smoothness requirements, in accordance with sui specifications, on this project.
	DIVISION 600 – STRUCTURES AND CONCRETE 641 precast reinforced concrete box sections
14, 2017	CONTRARY TO STANDARD DRAWING NO. RDI-100, ASSOCIATE HS 25 LOADING W STEEL TO REFLECT THE GREATER LIVE LOADING. SEE THE APPENDICES IN AS CALCULATIONS FOR THIS GREATER LIVE LOAD MAY CHANGE THE TABLE NO. D
y August	650 STANDARD DRAWINGS STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DR SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH SERVICES IN FRANKFORT, KY. AT (502)564-3670
rcaffre PLOTTED:	DIVISION 700 — DRAINAGE, TRAFFIC AND ROADSIDE CONSTRUCTION
USER: DATE	730 EXISTING LANDSCAPE MATERIAL
BN	DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY. Do not to disturb any plants without prior approval of the projec
E-SHEET NAME: PO1200GN	THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSS PLANTS NEEDING REMOVAL.
9.832 E	
v8.11.9	
InRoads	
er InRo	



SPECIAL NOTES

RECTED BY THE ENGINEER.

THE ONE-CALL SYSTEM FOR CALL IS TO BE PLACED A MINIMUM OF THE CONTRACTOR SHOULD BE AWARE ERS OF THE KY 811 ONE-CALL ION WITH THE UTILITY OWNERS, INCLUDING CONTRACTOR TO CONTACT THE COUNTY THE AREA.

SURFACE EXPOSED TO TRAFFIC DURING SHED SLAG, CRUSHED GRANITE OR CRUSHED COMBINED COARSE AND FINE AGGREATE.

THE STANDARD SPECIFICATIONS, SHALL

NG LANES AND RAMPS AT ONE INCH (25 MM) 02 AND 403 OF THE CURRENT STANDARD 2 FOR SURFACE MIXTURES ONLY. WILL

PROJECT BY OPTION B ACCORDING TO

MINIMUM DEPTH AND WIDTH AS DETAILED EXISTING SURFACE. THE CONTRACT UNIT ARY MATERIALS, LABOR AND EQUIPMENT MATERIAL.

RUCTION

BSECTION 501.03.19 OF THE STANDARD

WITH TABLE 1-4. MODIFY THE REQUIRED STM C789 AND ASTM C850. THE PEPICTED ON THE DESIGN PLANS.

RAWING BOOK AND THE HEADWALL OF THE DEPARTMENT OF ADMINISTRATIVE

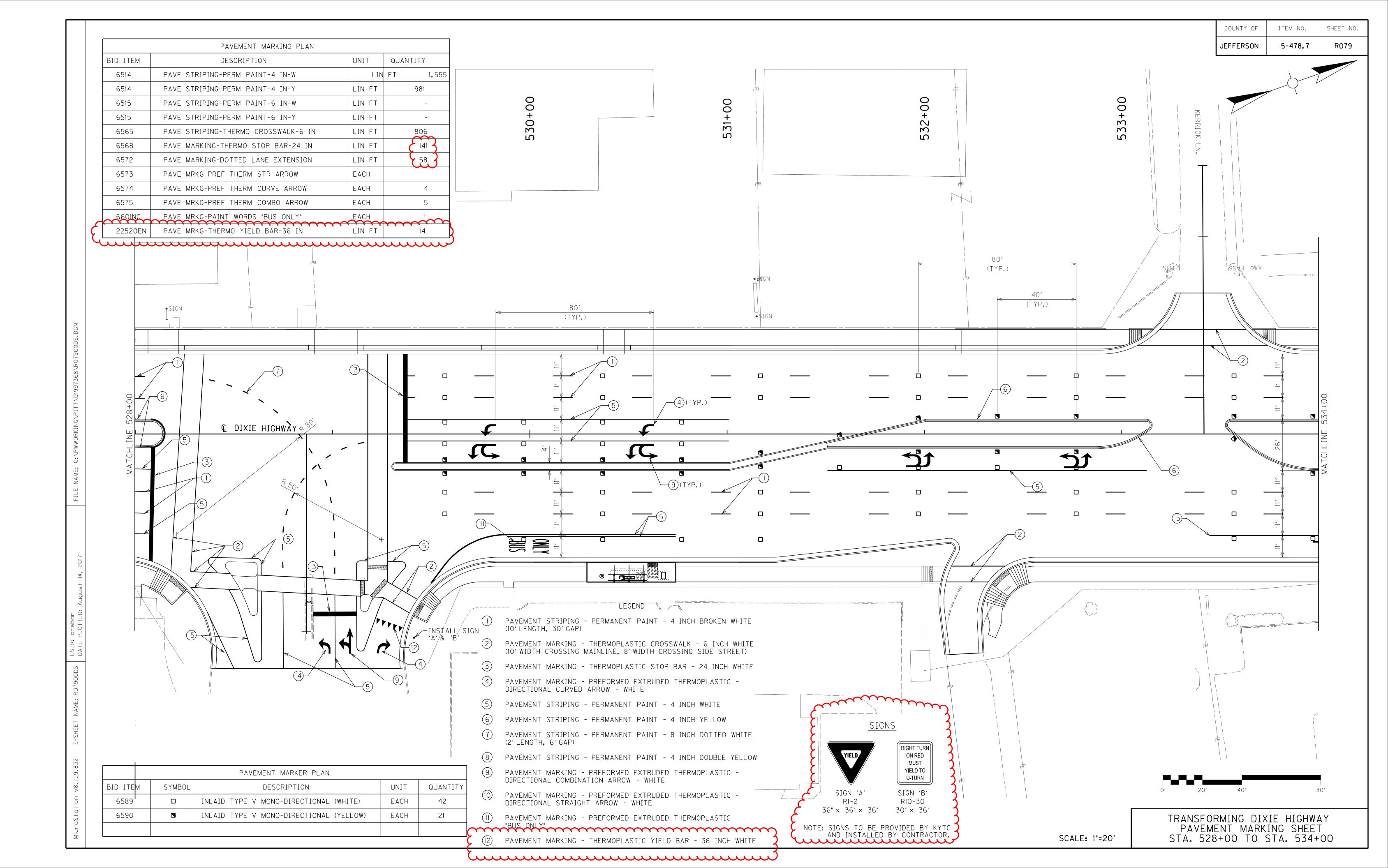
CT ENGINEER. IBLE DEPARTMENT SALVAGE OF ANY

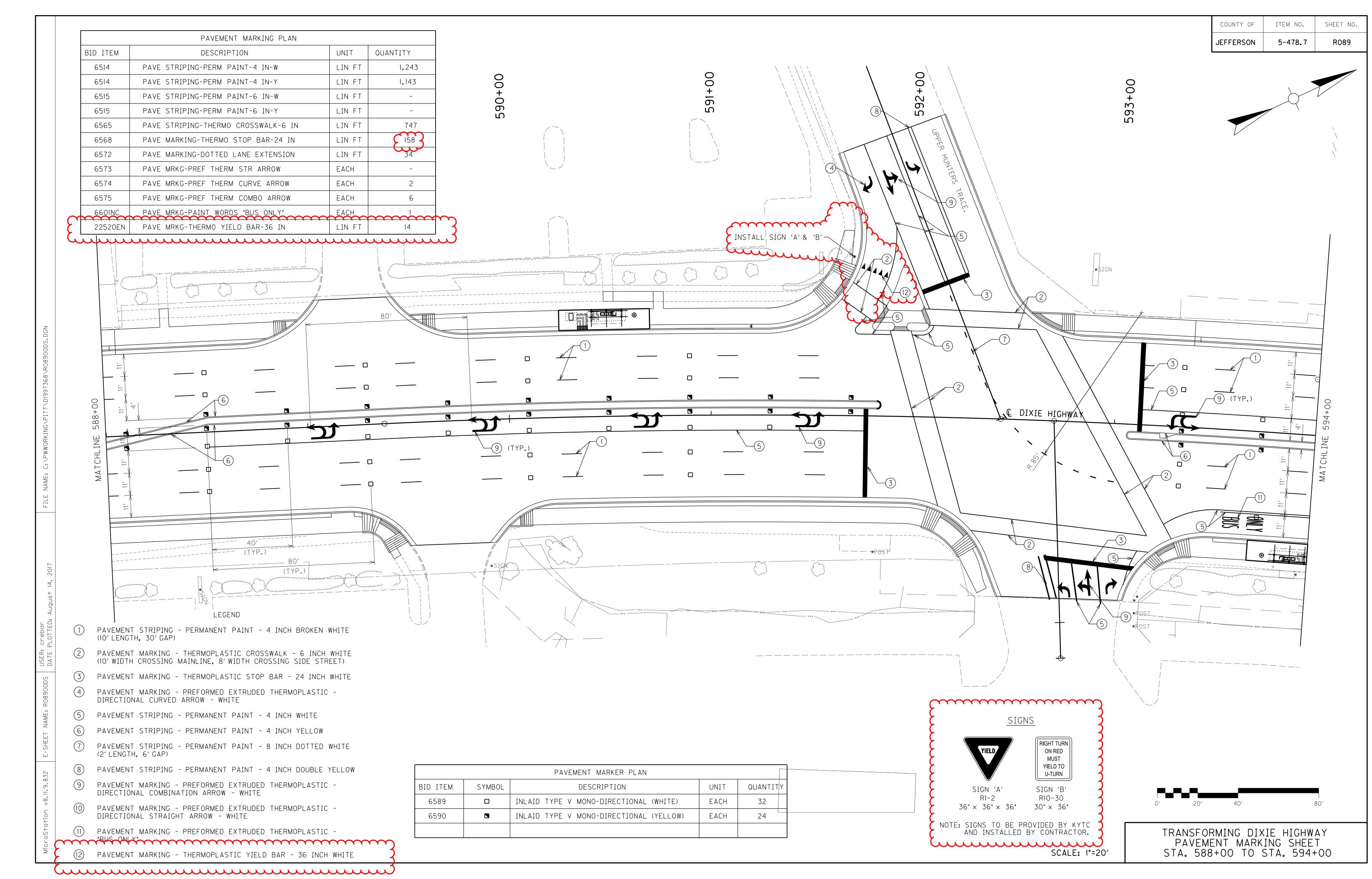
- LANDSCAPING
- BRT STATION SIGN PYLONS BRT STATION STATION SHELTERS

	T NO.
SFECIAL INVIES	012
SPECIAL NOTES	
1. UTILITY IMPACT NOTE	
2. STORM SEWER CONSTRUCTION 3. LANDSCAPING 4. BRT STATION SIGN PYLONS 5. BRT STATION STATION SHELTERS	
6. ITS 7. PLANNING DATA COLLECTION STATIONS	
<u>FLOWABLE FILL</u> TO ACHIEVE COMPACTION, THE CONTRACTOR SHALL USE FLOWABLE FILL BETWEEN EXISTING AND PROPOSED CATCH BASINS OR MANHOLES WHERE THE SPACE IS LESS THAN TWO FEET. THE FLOWABLE FILL IS INCIDENTAL TO THE CORRESPONDING PROPOSED STRUCTURE BID ITEMS.	
<u>Modified inlets</u> All Modified inlets have heights that are less than the Minimum as shown On the standard drawings. see pipe drainage sheets.	
<u>Concrete removal</u> Concrete removal in the median for landscaping is incidental to the Excavation bid item.	
<u>BOLLARDS</u> FOR THE MEDIAN BOLLARDS AT OWEN FUNERAL HOME USE THE ITEM "FLEXIBLE DELINEATOR WITH PERMANENT ANCHOR" (HEIGHT 42", YELLOW), ITEM NUMBER PFD-42-Y-HLM, MANUFACTURED BY NATIONAL TOOL GRINDING, INC., OR APPROVED EQUAL. THESE ARE REMOVEABLE BOLLARDS THAT MEET MUTCD AND NCHRP	
REQUIREMENTS, WITH A PERMANENT ANCHOR THAT IS INSTALLED IN THE PAVEMENT. <u>SPECIAL NOTE FOR MOT IN AREA 1 (DEFINED AS GREENWOOD TO BLANTON</u> NO TRAFFIC CONTOL IS ALLOWED IN AREA 1 UNTIL AFTER MAY 15, 2018 UNLESS	
otherwise directed by the engineer.	

				ROADWAY GENERAL SUMMARY	COUNTY OF ITEM NO. SHEET NO.
					JEFFERSON 5-478.7 ROO2
		DECODIDITION	× ↓ ↓ × ↓		NOTEO
	ITEM	DESCRIPTION			NOTES:
	01811	STANDARD CURB AND GUTTER MOD 6	LF 23552	23552	1 ROADWAY SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS.
	01876	STANDARD HEADER CURB MOD 6	LF 15783	Image: 15783	
	01921	STANDARD BARRIER MEDIAN TYPE 4 (6) BARRICADE-TYPE III	SQYD 2662 EACH 20	Image: Constraint of the state of	2 THIS IS AN ESTIMATED QUANTITY FOR EROSION CONTROL. FINAL QUANTITY TO BE COORDINATED WITH THE ENGINEER.
	02200	ROADWAY EXCAVATION	CUYD 10956	10956	(3) NA
	02545	CLEARING AND GRUBBING	LS 1		(4) THE ADJUSTMENT FOR EXISTING UTILITY VALVES AND METERS LOCATED IN THE SIDEWALK SHALL BE CONSIDERED
	02562	TEMPORARY SIGNS MOBILIZATION	SQFT 2400 LS 1		INCIDENTAL TO SIDEWALK CONSTRUCTION.
	02569	DEMOBILIZATION	LS 1		INCLUDES SUFFICIENT QUANTITY FOR SIDEWALK RAMPS. PLAN SHEETS INDICATE RAMP TYPE PER RPM-170-09. SEE PLAN SHEETS FOR MODIFIED LOCATION OF DETECTABLE WARNINGS RELATED TO RAMP TYPE 3, CONDITION 2.
	02650	MAINTAIN & CONTROL TRAFFIC	LS 1		WARNINGS RELATED TO RAMP TYPE 3, CONDITION 2.
	02653	LANE CLOSURE PORTABLE CHANGEABLE MESSAGE SIGN	EACH 12 EACH 2		5 ESTIMATED AT 50 M. GAL/MI.
	02676	MOBILIZATION FOR MILL & TEXT	LS 1		6 SEE ROADWAY PLAN SHEETS FOR LOCATION & LIMITS.
	02701	TEMP SILT FENCE	LF 5273	5273	7 SEE MOT PLANS, SHEET R142
	02705	SILT TRAP TYPE C(2)CLEAN SILT TRAP TYPE C(2)	EACH 278 EACH 834	Image: Constraint of the second se	8 SEE THE SPECIAL NOTE FOR BOLLARDS ON THE PROJECT GENERAL AND SPECIAL NOTES SHEET.
	02708	SIDEWALK-4 IN CONCRETE		Image: Contract of the second secon	EARTHWORK
SU. Du	02726	STAKING	LS 1		СОММОН
0200	02775	ARROW PANEL	EACH 4		10,956 CUYD TOTAL
38\RC	05952	TEMP MULCH(2)TEMP SEEDING AND PROTECTION(2)	SQYD 52740 SQYD 39555	Image: Constraint of the second sec	EMBANKMENT 462 CUYD TOTAL
99736	05990	SODDING	SQYD 11087	11087	
TVDI	05997	TOPSOIL FURNISHED AND PLACED	CUYD 3902	Image: Second se	
LIU C	24917ED 06510	SELECT BORROW MATERIAL PAVE STRIPING-TEMP PAINT-4 IN	CUYD 3753 LF 100000	3753	
RKING	06514	PAVE STRIPING-PERM PAINT-4 IN	LF 16755	16755	
O M M d	06515	PAVE STRIPING-PERM PAINT-6 IN	LF 47807	47807	
	06530	PAVE STRIPING REMOVAL-4 IN PAVE STRIPING REMOVAL-6 IN	LF 60000 LF 100000	Image: Constraint of the state of	
NAME	06550	PAVE STRIPING-TEMP REM TAPE-W	LF 5000		
	06551	PAVE STRIPING-TEMP REM TAPE-Y	LF 5000	Image: Ima Image: Image: Ima	
	06565	PAVE MARKING-THERMO X-WALK-6 IN PAVE MARKING-THERMO STOP BAR-24IN	LF 10150 LF 1562	10150 10150 10150 10150 10150 10150	
	06572	PAVE MARKING-THERMO STOP BAR-24IN PAVE MARKING-DOTTED LANE EXTEN	LF 1302		
	06573	PAVE MARKING-THERMO STR ARROW	EACH 7		
210	06574	PAVE MARKING-THERMO CURV ARROW	EACH 143		
4, 2C	22520EN	PAVE MARKING-THERMO COMB ARROW PAVE MARKING-THERMO YIELD BAR-36 IN	EACH 20 LF 42		
t tst	23139EN	STRIPING REMOVAL 6	LF 175000		
Aug	24935EC	CONCRETE PAINT (MEDIAN)	SQYD 2 1233		
Iffre ITED:	10020NS 10030NS	FUEL ADJUSTMENT (3) ASPHALT ADJUSTMENT	DOLL 26285 DOLL 48964	1 1 1 1 1 1 1 1 1 26285	
PLOT	20094ES835	TEMP RELOCATION OF SIGNAL HEAD	EACH 2 375 2		
USER: DATE	22665EN	REMOVE NON-MOUNTABLE MEDIAN	SQYD 642		
	23158ES505 06601NC	DETECTABLE WARNINGS	SQFT 2205 EACH 10		
)2005	24489EC	INLAID PAVEMENT MARKER	EACH 1830		
ROC	02242	WATER	MGAL 1998		
NAME	01719	ADJUST INLET	TON 2354		
	01792	ADJUST MANHOLE	EACH EACH E 109		
E - St	02015	CEMENT CONCRETE ISLAND	SQYD 466		
332	02611 21341ND	HANDRAIL-TYPE A-1 (8) BOLLARDS	LF 52 EACH 5 5		
1.9.832	01547	DROP BOX INLET TYPE 12 (FRAME AND GRATE)			
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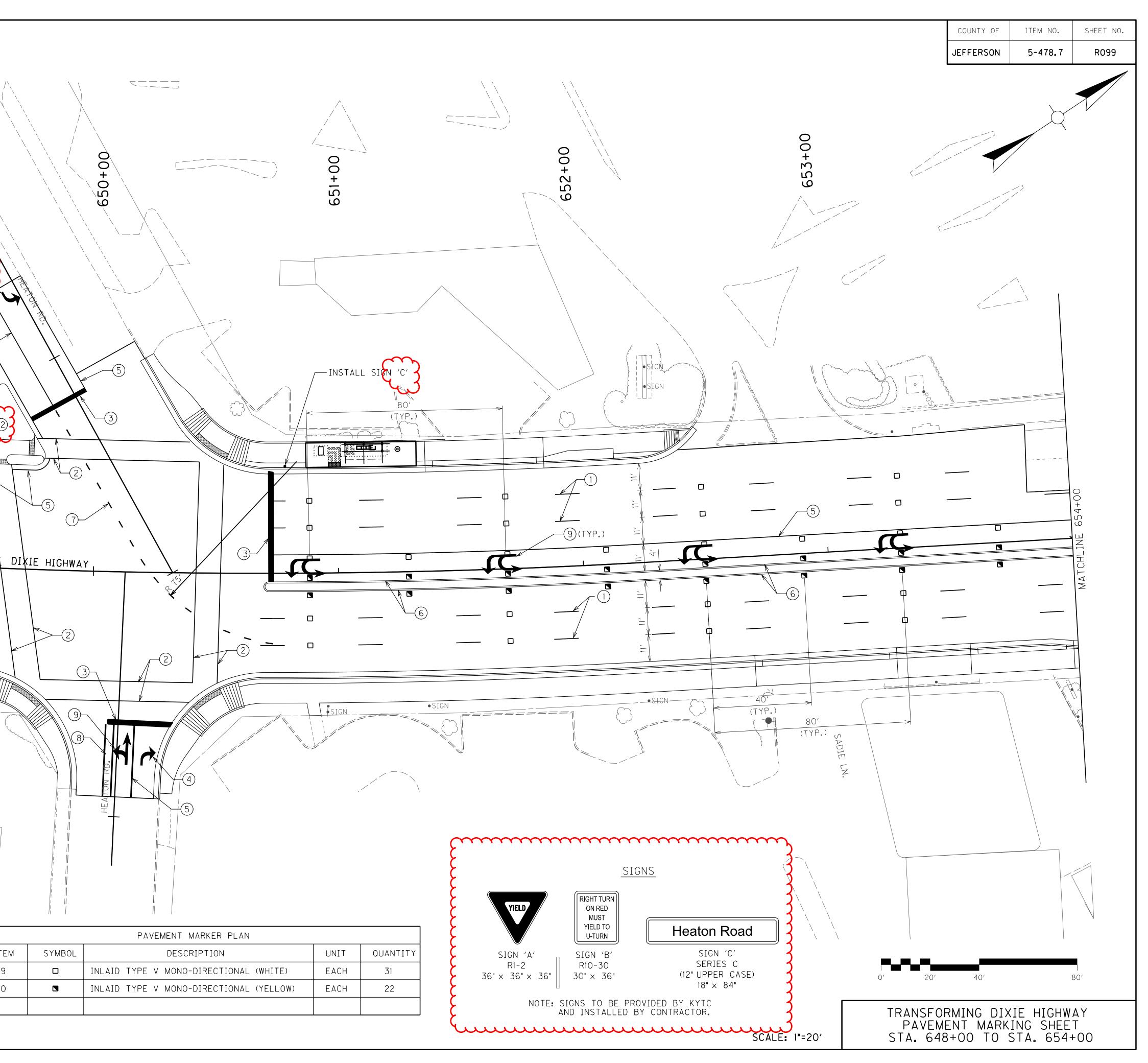
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COUNTY OF	ITEM NO.	SHEET NO.

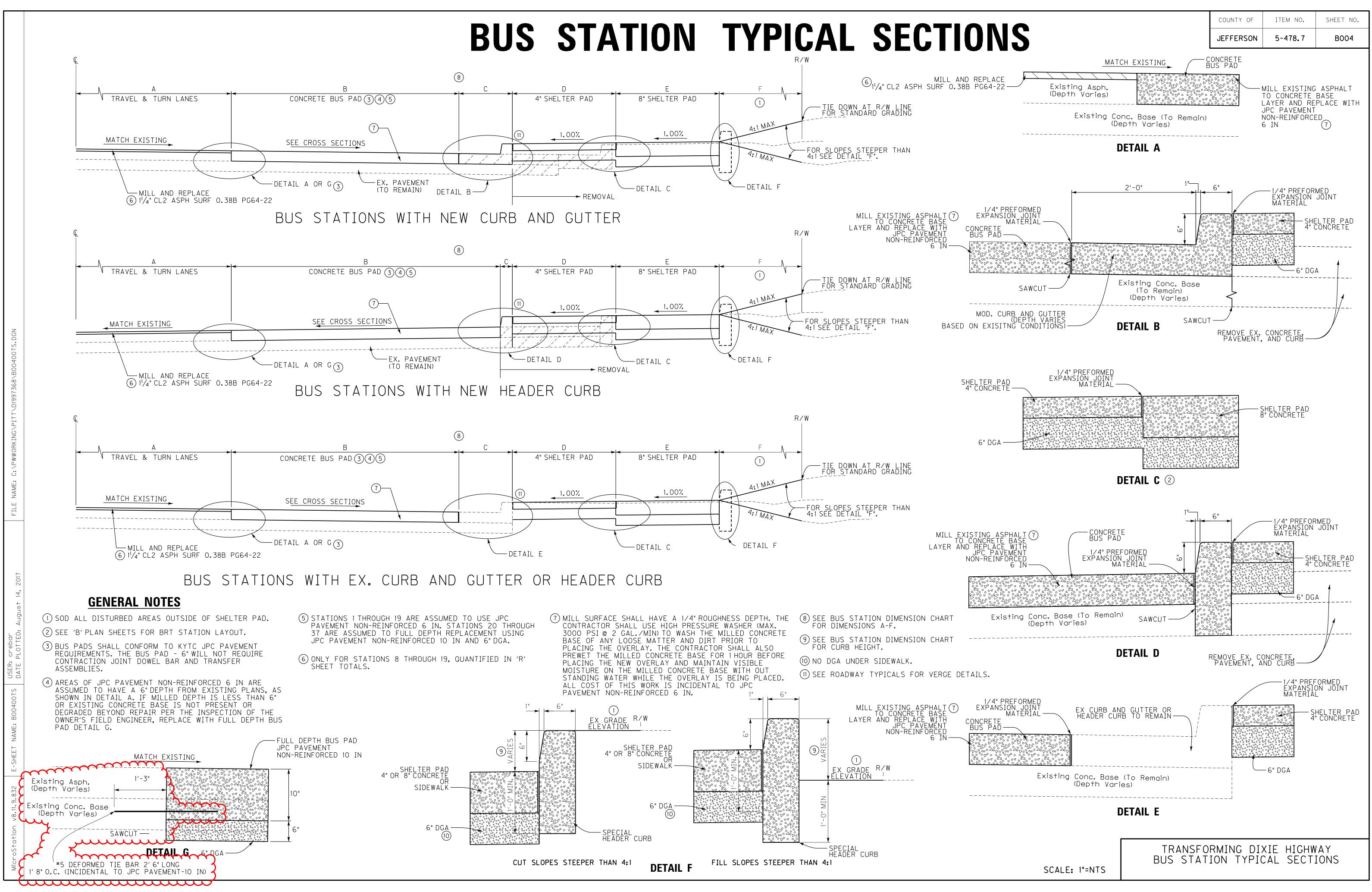


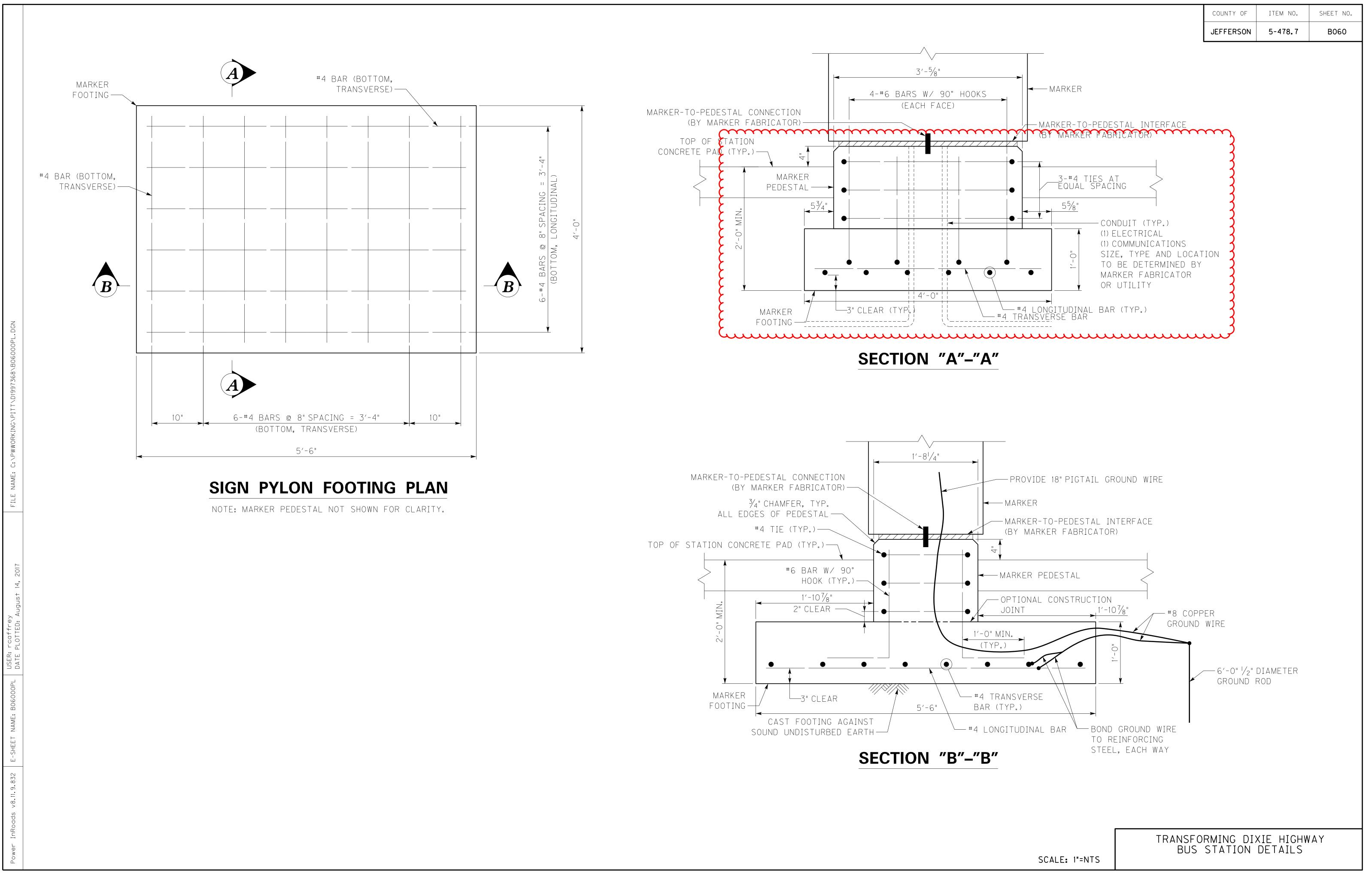


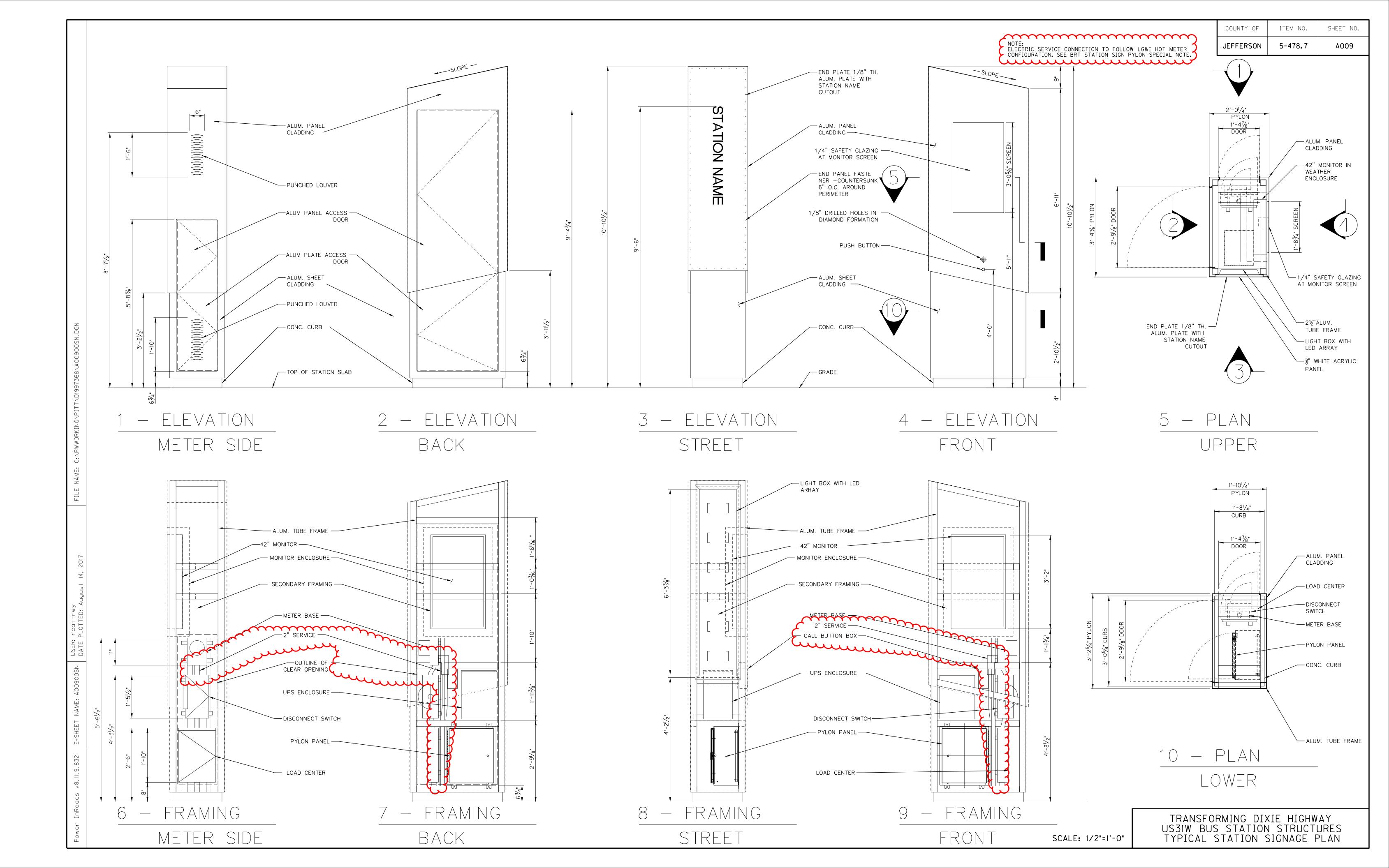
PAVEMENT MARKER PLAN							
) ITEM	SYMBOL	DESCRIPTION	UNIT	QUANTITY			
6589		INLAID TYPE V MONO-DIRECTIONAL (WHITE)	EACH	32			
6590		INLAID TYPE V MONO-DIRECTIONAL (YELLOW)	EACH	24			

					 _
•		PAVEMENT MARKING PLAN	1		_
	BID ITEM	DESCRIPTION	UNIT	QUANTITY	_
	6514	PAVE STRIPING-PERM PAINT-4 IN-W	LIN FT	1,142	
	6514	PAVE STRIPING-PERM PAINT-4 IN-Y	LIN FT	1,027	
	6515	PAVE STRIPING-PERM PAINT-6 IN-W	LIN FT	-	`
	6515	PAVE STRIPING-PERM PAINT-6 IN-Y	LIN FT	-	
	6565	PAVE STRIPING-THERMO CROSSWALK-6 IN	LIN FT	643	
	6568	PAVE MARKING-THERMO STOP BAR-24 IN	LIN FT	144	
	6572	PAVE MARKING-DOTTED LANE EXTENSION	LIN FT	31	
	6573	PAVE MRKG-PREF THERM STR ARROW	EACH	-	
	6574	PAVE MRKG-PREF THERM CURVE ARROW	EACH	3	
	6575	PAVE MRKG-PREF THERM COMBO ARROW	EACH	8	
		PAYE MRKG-PAINT WORDS "BUS ONLY"	EACH	·····	
ł	22520EN	PAVE MRKG-THERMO YIELD BAR-36 IN	LIN FT	14	<u>{</u> [
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August 14,		LEGEND		•SIGN	
August 14,		LEGEND ENT STRIPING - PERMANENT PAINT - 4 INCH BROKEN	N WHITE	•SIGN	
crebar PLOTTED: August 14,	(10' LEN	LEGEND ENT STRIPING - PERMANENT PAINT - 4 INCH BROKEN IGTH, 30' GAP)		•SIGN	
August 14,	(10' LEN (2) PAVEME	LEGEND ENT STRIPING - PERMANENT PAINT - 4 INCH BROKEN	H WHITE	•SIGN	
USER: crebar DATE PLOTTED: August 14,	(10' LEN (2) PAVEME (10' WIE	LEGEND ENT STRIPING - PERMANENT PAINT - 4 INCH BROKEN NGTH, 30' GAP) ENT MARKING - THERMOPLASTIC CROSSWALK - 6 INCH	H WHITE TREET)	•SIGN	
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ITEM	DESCRIPTION	UNIT	I030	1031	I032	I033	I034	I035	I036	I 0 3 7	I 0 3 8	I039	I040	I041	I042	I043	
01642	JUNCTION BOX-18 IN	EACH	1	 1	3	13	10	1	12		 						
04792	CONDUIT-1 IN	LF				223	248		198		158						
04795	CONDUIT-2 IN	LF	12	12	206	553	283	9	342	3	552	6	9				
04797	CONDUIT-3 IN	LF													80		
04820	TRENCHING AND BACKFILLING	LF	12	12	14	341	40	9	342	3	495	6	9				
04899	ELECTRICAL SERVICE	EACH				2	2		2		2						
21543EN	BORE AND JACK CONDUIT	LF			184	217	50				70				80		
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF													<u> </u>		
01650	JUNCTION BOX (CONCRETE 32")	EACH											1	1	2	1	
24921EC	CONDUIT RISER-2 IN	EACH	1	1	1	4	5		5	1	5	1					
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH	1	1	1	3	3	1	3	1	3	1	1	1		1	
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF											1170	1750	1405	1750	
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF EACH	1	1	1	1	1	1	1	1	1	1	1172	1350	1425	1350	
24922EC 24923EC	FIBER OPTIC SPLICE ENCLOSURE CABINET FIBER TERMINATION PANEL	EACH	1	1	 1	1	1	1	 1	 1	I 1	 1	 1	 1		1	
24923EC 24924EC	AIR LINK COMMUNICATION	EACH	I													I	
24924EC 24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH					1									I	
	LAXER 2 ETHERNET SWITCH * RACK MOUNT	EACH															
24928EC	FIREWALL UNIT * RACK MOUNT	EACH															
24929EC	FIREWALL UNIT * RACK MOUNT MICROTRENCHING	LF											1022	1213	1120	1218	
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF												13	2 1	18	
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF											1022	1200	1120	1200	_
24932EC	CONDUIT REPAIR	LF													h		
24933EC	JUNCTION BOX REPAIRED	EACH															
04888	MESSENGER - 4500 LB	LF	5	5	5	196	185	5	402	5	191	5					
																	_

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1003

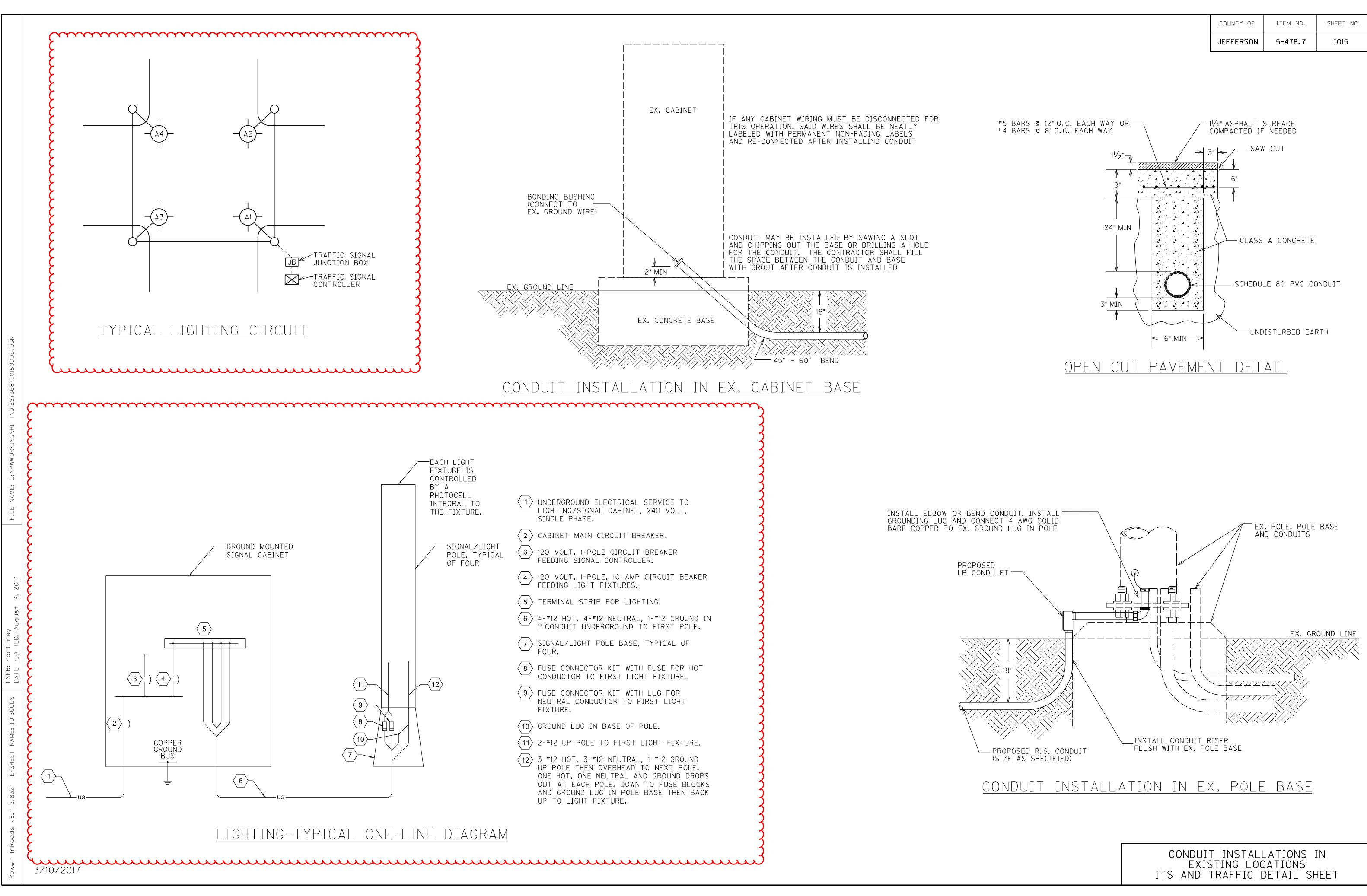
- 1) ITS SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS.
- ② ALL NOTES FOR SPECIAL ITS AND TRAFFIC PAY ITEMS -SEE THE ITS SPECIAL NOTES.
- (3) ALL UNDERGROUND CONDUIT FROM THE PYLON TO SHELTER AND CONDUIT FOR FUTURE USE SHALL BE 1".
- (4) ALL UNDERGROUND CONDUIT FOR 12 FIBER DROP CABLE TO PYLON OR SIGNAL CABINET SHALL BE 2".
- 5 ALL UNDERGROUND CONDUIT FOR ELECTRIC FROM POWER SOURCE TO PYLON SHALL TO BE 2".
- 6 ALL UNDERGROUND CONDUIT FOR 144 FIBER SHALL BE 3" UNLESS NOTED AS MICRO TRENCH. (9TH STREET)
- (7) ALL UNDERGROUND CONDUIT SHALL BE INSTALLED IN OPEN TRENCHING UNLESS OTHERWISE NOTED.
- 8 ALL UNDERGROUND CONDUIT UNDER ROADWAYS SHALL BE RIGID STEEL. OTHER CONDUITS TO BE PVC SCHEDULE 80.
- (9) ALL QUANTITIES SHOWN UNDER "PROJECT ENGINEER APPROVED" TO BE APPROVED ON AN AS NEEDED BASIS IN THE FIELD BY THE PROJECT ENGINEER.
- (1) UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- (1) UNLESS OTHERWISE NOTED, ALL MICRO TRENCHING FOR 144 FIBER SHALL BE CUT ALONG THE EAST SIDE OF DIXIE HIGHWAY, GENERALLY CENTERED IN THE OUTSIDE LANE AND PARALLEL TO THE CURB/EOP. EXTRA CARE SHALL BE TAKEN TO AVOID TRENCHING IN WHEEL PATHS AND TO PROVIDE ADEQUATE CLEARANCE TO ALL EXISTING MANHOLES AND VALVES.

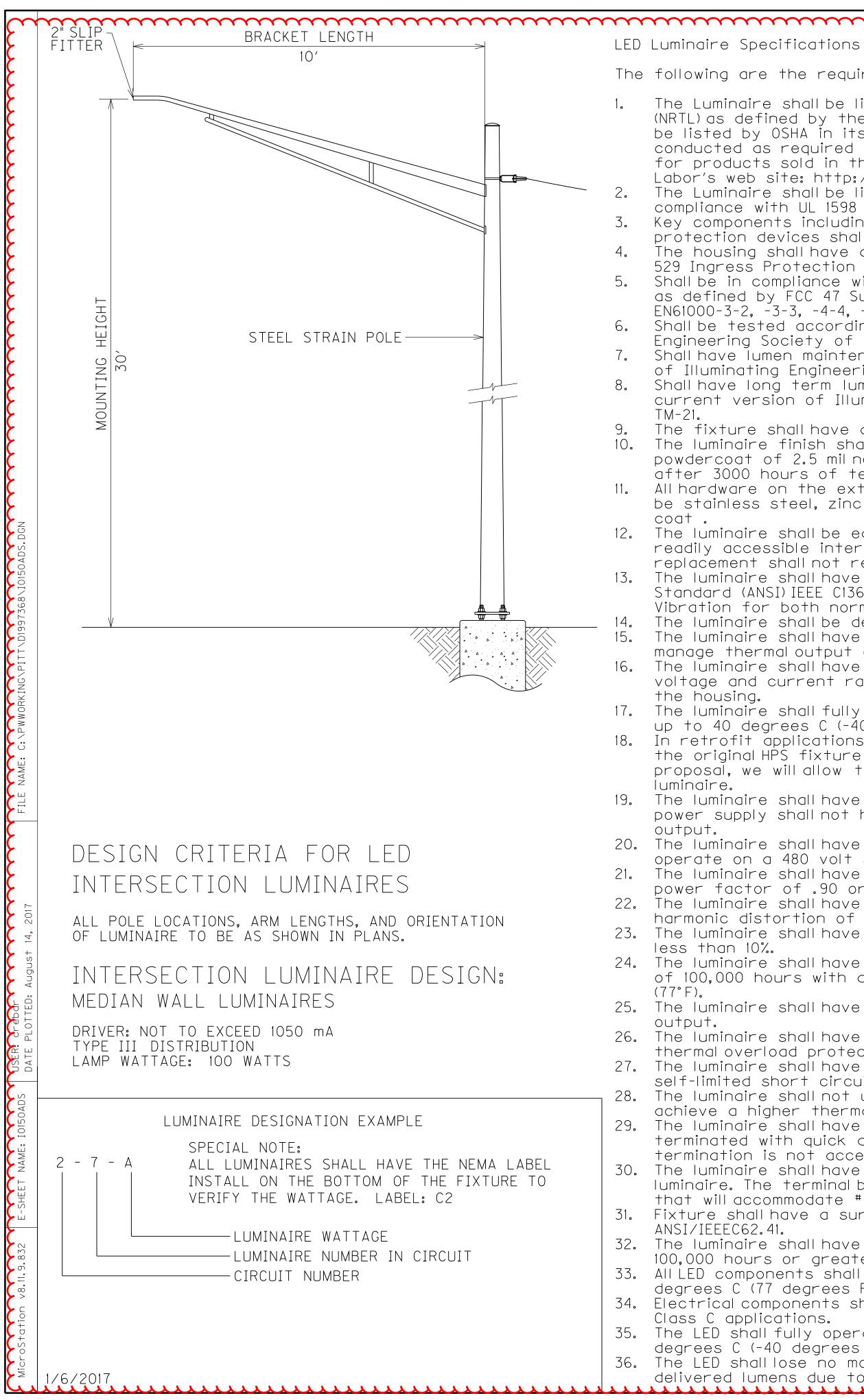
		1				S SU	B SU		RY			1
ITEM	DESCRIPTION	UNIT	I058	I059	I060	I061	1062	I063	I064	1065	1066	PROJECT ENGINEER APPROVED
01642	JUNCTION BOX-18 IN	EACH			10		9	3				
04792	CONDUIT-1 IN	LF			148		146	70		22	28	
04795	CONDUIT-2 IN	LF			490		414	133		30	108	
04797	CONDUIT-3 IN	LF			90	1200	1202	978				
04820	TRENCHING AND BACKFILLING	LF			351		160	71		30	125	
04899 21543EN	ELECTRICAL SERVICE BORE AND JACK CONDUIT	LF EACH			2 304	1200	2 1504	1077	115	I	2	
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF	1200	1200	712	1200	1304	165	1126	187		
01650	JUNCTION BOX (CONCRETE 32")	EACH	.200		2	1	1	2				
24921EC	CONDUIT RISER-2 IN	EACH			3							
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH			3		2	1		1		
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756							
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1200	1200	1124	1275	1277	1368	1157	462		
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			2		1	2		1		
24923EC	CABINET FIBER TERMINATION PANEL	EACH			1							
24924EC	AIR LINK COMMUNICATION	EACH			4						2	
24925EC 24926EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT INTERIOR FIBER OPTIC PATCH PANEL	EACH EACH									1	
24927EC	LAYER 2 ETHERNET SWITCH * RACK MOUNT	EACH			2						1	
24928EC	FIREWALL UNIT * RACK MOUNT	EACH			2						1	
24929EC	MICROTRENCHING	LF			17			194				
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF					162	99		15		
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1200	824	1200	1202	1143	1226	187		
24932EC	CONDUIT REPAIR	LF										100
24933EC	JUNCTION BOX REPAIRED	EACH										5
04888	MESSENGER - 4500 LB	LF										

JEFFERSON	5-478.7	1005
COUNTY OF	ITEM NO.	SHEET NO.

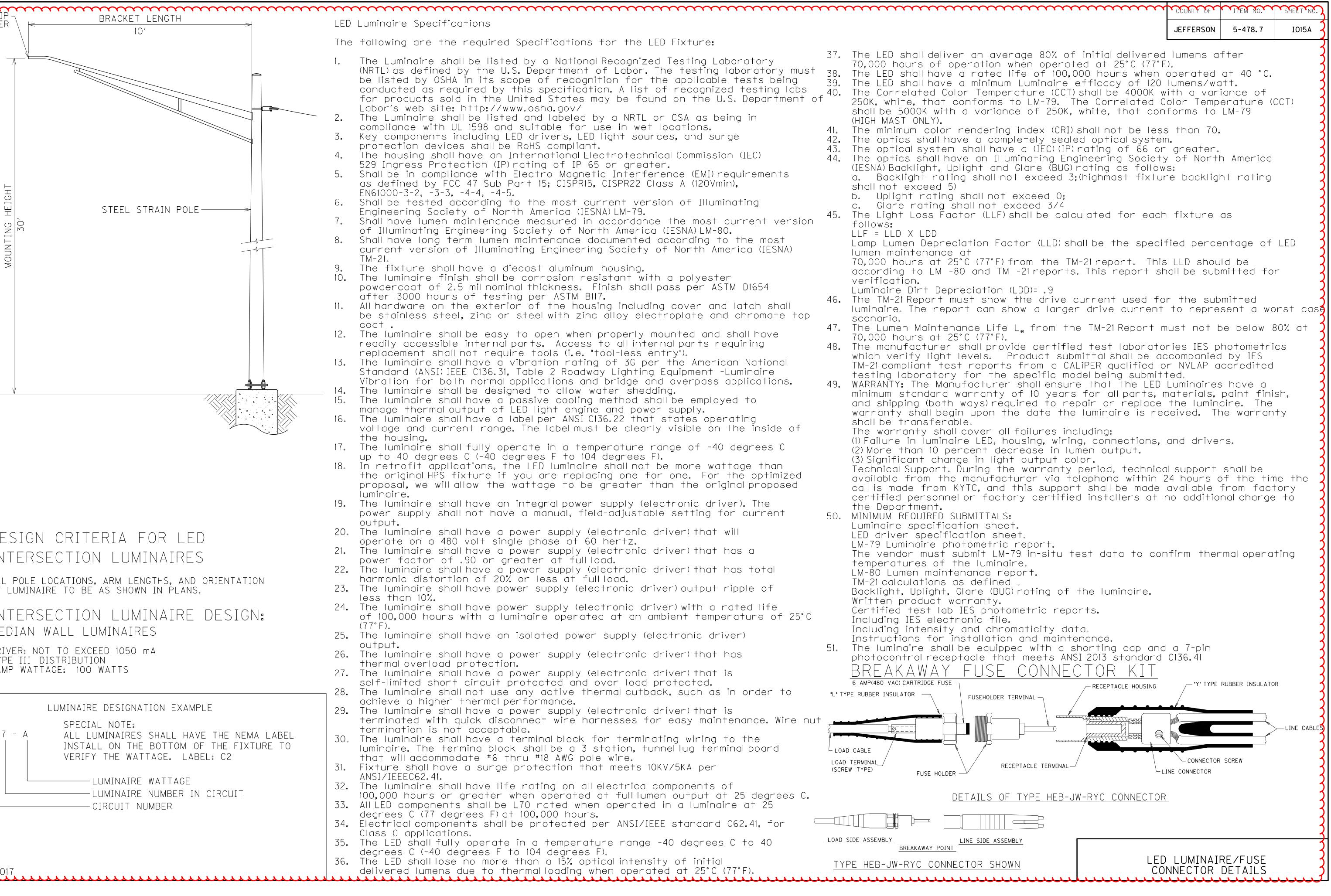
NOTES:

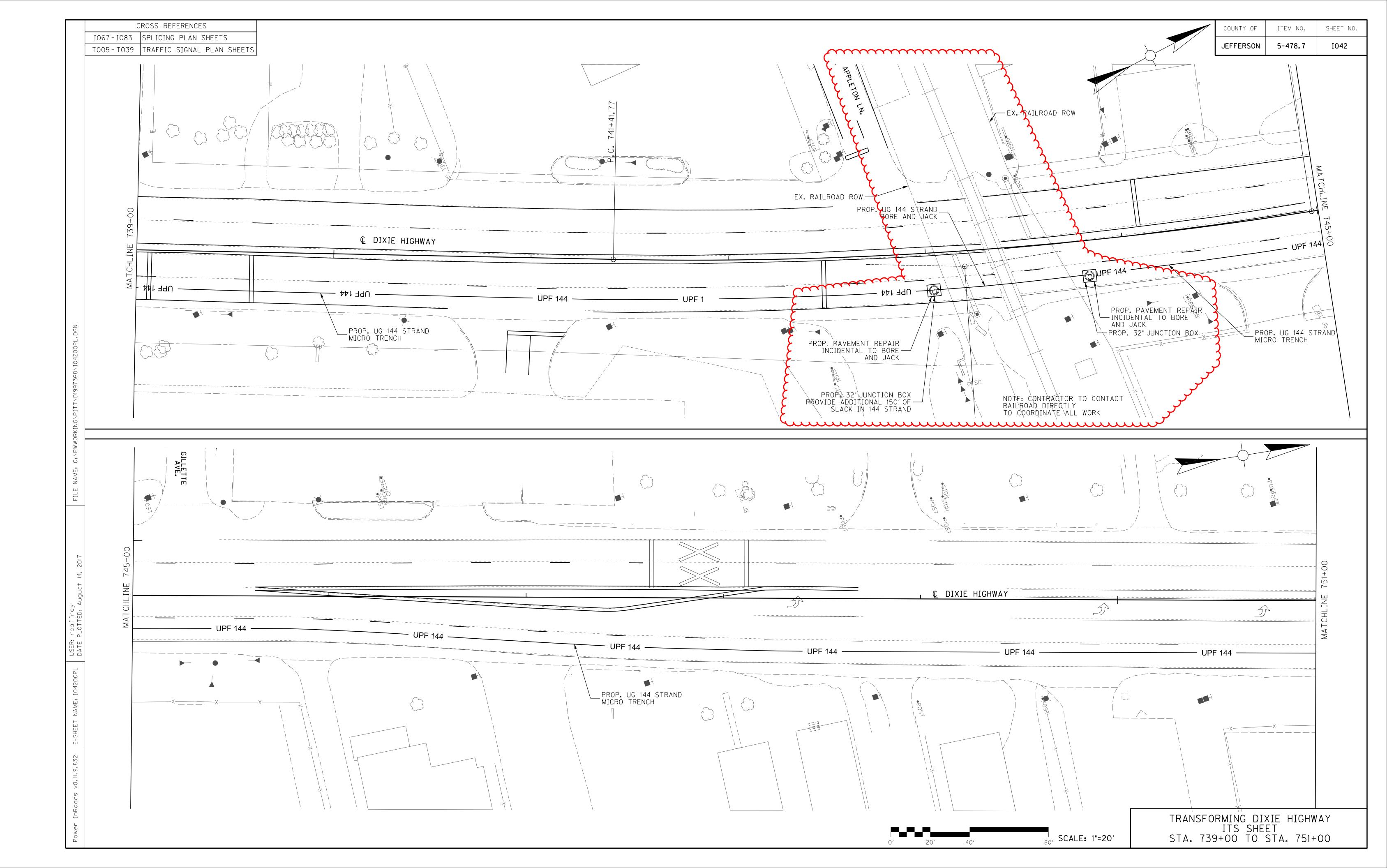
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Mawing are the required Coefficientians for the LED Firstures		
ollowing are the required Specifications for the LED Fixture:	37.	The LEI
ne Luminaire shall be listed by a National Recognized Testing Laboratory RTL) as defined by the U.S. Department of Labor. The testing laboratory must e listed by OSHA in its scope of recognition for the applicable tests being onducted as required by this specification. A list of recognized testing labs or products sold in the United States may be found on the U.S. Department of	38. 39. 40.	70,000 The LEI The LEI The Co 250K, w
abor's web site: http://www.osha.gov/ ne Luminaire shall be listed and labeled by a NRTL or CSA as being in ampliance with UL 1598 and suitable for use in wet locations. By components including LED drivers, LED light sources, and surge rotection devices shall be RoHS compliant. The housing shall have an International Electrotechnical Commission (IEC) 29 Ingress Protection (IP) rating of IP 65 or greater.	41. 42. 43. 44.	shall be (HIGH M. The mir The op The op The op (IESNA)
nall be in compliance with Electro Magnetic Interference (EMI) requirements of defined by FCC 47 Sub Part 15; CISPR15, CISPR22 Class A (120Vmin), NG1000-3-2, -3-3, -4-4, -4-5. Inall be tested according to the most current version of Illuminating Ingineering Society of North America (IESNA) LM-79. Inall have lumen maintenance measured in accordance the most current version of Illuminating Engineering Society of North America (IESNA) LM-80. Inall have long term lumen maintenance documented according to the most urrent version of Illuminating Engineering Society of North America (IESNA) LM-80.	45.	a. Ba shall no b. Up c. Glo The Lig follows LLF = L Lamp L
A-21. The fixture shall have a diecast aluminum housing. The luminaire finish shall be corrosion resistant with a polyester owdercoat of 2.5 mil nominal thickness. Finish shall pass per ASTM D1654 Fter 3000 hours of testing per ASTM B117. I hardware on the exterior of the housing including cover and latch shall be stainless steel, zinc or steel with zinc alloy electroplate and chromate top		lumen r 70,000 accord verific Luminai The TM luminair scenar
ne luminaire shall be easy to open when properly mounted and shall have eadily accessible internal parts. Access to all internal parts requiring eplacement shall not require tools (i.e. "tool-less entry"). The luminaire shall have a vibration rating of 3G per the American National	47. 48.	The Lui 70,000 The ma which N TM-21 co
andard (ANSI)IEEE C136.31, Table 2 Roadway Lighting Equipment -Luminaire bration for both normal applications and bridge and overpass applications. The luminaire shall be designed to allow water shedding. The luminaire shall have a passive cooling method shall be employed to anage thermal output of LED light engine and power supply. The luminaire shall have a label per ANSI C136.22 that states operating	49.	testing WARRAN minimum and sh warran shall be
oltage and current range. The label must be clearly visible on the inside of the housing. The luminaire shall fully operate in a temperature range of -40 degrees C to 40 degrees C (-40 degrees F to 104 degrees F). retrofit applications, the LED luminaire shall not be more wattage than the original HPS fixture if you are replacing one for one. For the optimized roposal, we will allow the wattage to be greater than the original proposed minaire.		The wa (1) Failur (2) More (3) Signi Technic availab call is r certifi
ne luminaire shall have an integral power supply (electronic driver). The ower supply shall not have a manual, field-adjustable setting for current utput. Ne luminaire shall have a power supply (electronic driver) that will	50.	the De MINIMUM Luminai LED dri
perate on a 480 volt single phase at 60 hertz. The luminaire shall have a power supply (electronic driver) that has a ower factor of .90 or greater at full load. The luminaire shall have a power supply (electronic driver) that has total armonic distortion of 20% or less at full load. The luminaire shall have power supply (electronic driver) output ripple of ss than 10%. The luminaire shall have power supply (electronic driver) with a rated life		LM-79 L The ve temper LM-80 L TM-21 co Backlig Writter
f 100,000 hours with a luminaire operated at an ambient temperature of 25°C 7°F). The luminaire shall have an isolated power supply (electronic driver) utput. The luminaire shall have a power supply (electronic driver) that has The nermal overload protection.	51.	Certifi Includir Includir Instruc The lun photoc
ne luminaire shall have a power supply (electronic driver) that is elf-limited short circuit protected and over load protected. The luminaire shall not use any active thermal cutback, such as in order to chieve a higher thermal performance. The luminaire shall have a power supply (electronic driver) that is		$\frac{BREA}{6 \text{ amp(480 }}$
erminated with quick disconnect wire harnesses for easy maintenance. Wire nut ermination is not acceptable. Ne luminaire shall have a terminal block for terminating wiring to the minaire. The terminal block shall be a 3 station, tunnel lug terminal board Nat will accommodate #6 thru #18 AWG pole wire. Xture shall have a surge protection that meets 10KV/5KA per NSI/IEEEC62.41.		D CABLE TERMINAL EW TYPE)
ne luminaire shall have life rating on all electrical components of 0,000 hours or greater when operated at full lumen output at 25 degrees C. I LED components shall be L70 rated when operated in a luminaire at 25 egrees C (77 degrees F) at 100,000 hours. ectrical components shall be protected per ANSI/IEEE standard C62.41, for		
ass C applications. Ne LED shall fully operate in a temperature range -40 degrees C to 40 Agrees C (-40 degrees F to 104 degrees F).	LOAD	SIDE ASSEMBL
ne LED shalllose no more than a 15% optical intensity of initial elivered lumens due to thermalloading when operated at 25°C (77°F).	<u>T Y I</u>	PE HEB-J





ITEM	DESCRIPTION	UNIT	DIXIE HIGHWAY			
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	1881			
04723	BRACKET - 10 FEET	EACH	52			
04780	FUSED CONNECTOR KIT	EACH	104			
04792	CONDUIT-1 IN CONDUIT-1 1/2 IN	LF	534 40			
04795	CONDUIT-2 IN	LF	4145			
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH	108			
04820	TRENCHING AND BACKFILLING	LF	5565			
04830	LOOP WIRE	LF	26397 7198			
04832	WIRE-NO. 12 CABLE-NO. 14/5C		28657			
04845	CABLE-NO. 14/7C	LF	1650			
04850	CABLE-NO. 14/1 PAIR	LF	13919			
04885	MESSENGER-10800 LB	LF	3870			
04895 04899	LOOP SAW SLOT AND FILL	LF EACH	10028			
24908EC	ELECTRICAL SERVICE INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	35			
04932	INSTALL STEEL STRAIN POLE	EACH	33			
04950	REMOVE SIGNAL EQUIPMENT	EACH	94			
06472	INSTALL SPAN MOUNTED SIGN	EACH	40			
20093NS835 20188NS835	INSTALL PEDESTRIAN HEAD-LED INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH EACH	40			
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH	116			
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH	11			
20266ES835	INSTALL LED SIGNAL-4 SECTION 12 IN	EACH	8			
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH	46			
23157EN 24937EC	TRAFFIC SIGNAL POLE BASE INSTALL EXTERNAL UPS SYSTEM CABINET	CUYD EACH	145			
23206EC	INSTALL EXTERNAL OF STATEM CABINET	EACH	2			
23222EC	INSTALL SIGNAL PEDESTAL	EACH	28			
24589ED	LED LUMINAIRE	EACH	52			
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	34			
24941EC	LED TRANSIT SIGNAL MODULE	EACH	30			
22939ND	INSTALL LUMINAIRE POLE	EACH	2			
	<u>han han han han han han han han han han </u>	mmm	uu i			

(1)) TRAFFIC	SUMMARY SHEETS	TOTALS	CARRIED	ТΟ	PROJECT	GENERAL
Ŭ	SUMMARY	SHEETS					

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T001

TRANSFOR	MING	DIXIE	HIGHWAY
TRAFFIC	GENE	RAL SI	JMMARY
	SHE	ET 1	

				1	TRAI	FFIC	SUB \$	SUMN	ЛARY		,			1	1	I	
ITEM	DESCRIPTION	UNIT	T005	T006	T007	T008	T009	T010	T011	T012	T013	T014	T015	T016	T017	T018	[
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF							<u> </u>				100	57	92	100	
04723	BRACKET - 10 FEET	EACH											4	4	4	4	
04780	FUSED CONNECTOR KIT	EACH											8	8	8	8	
04792	CONDUIT-1 IN	LF											51	42	48	14	
04794	CONDUIT-11/2 IN	LF LF												+		l	\rightarrow
04795	CONDUIT-2 IN ELECTRICAL JUNCTION BOX TYPE B	EACH											55	90 4	90 3	41	
04820	TRENCHING AND BACKFILLING	LF											181	85	139	80	
04830	LOOP WIRE	LF												2498			
04832	WIRE-NO. 12	LF											1360	2047	2029	1678	
04844	CABLE-NO. 14/5C	LF			310	150	300	240	320	40	270		3436	430	2906	1370	
04845	CABLE-NO. 14/7C	LF			280	160	300	200	330	70	310						
04850	CABLE-NO. 14/1 PAIR	LF											1125	1221	770	715	
04885	MESSENGER-10800 LB	LF											425		430	300	
04895	LOOP SAW SLOT AND FILL	LF											619	775	658	370	
04899	ELECTRICAL SERVICE	EACH EACH	1	1	1	1	,	1	1		,		0	0	0	0	_
24908EC 04932	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE) INSTALL STEEL STRAIN POLE	EACH	Ι				I					I	4	0	2		
04950	REMOVE SIGNAL EQUIPMENT	EACH		3	5	4	4	4	5	4	5	4	1	0	1		
06472	INSTALL SPAN MOUNTED SIGN	EACH			4	2	2	2	4	2	4		2	3	2		
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH											6	6	8	6	
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH			2	1	1	1	2	1	2						
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH											12	0	11	9	
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH			2	1	1	1	2	1	2		0	1	0	0	
20266ES835	INSTALL LED SIGNAL-4 SECTION 12 IN	EACH										(h	mm	h	\uparrow
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH										(6		8	6	
23157EN 24937EC	TRAFFIC SIGNAL POLE BASE	CUYD EACH							1		1		0	0		0	
23206EC	INSTALL EXTERNAL UPS SYSTEM CABINET INSTALL CONTROLLER CABINET	EACH							I				0	0	0	0	
232200EC	INSTALL SIGNAL PEDESTAL	EACH											2	3	2	1	+
24589ED	LED LUMINAIRE	EACH											4	4	4	4	
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	SYSTEM INTEGRATION	m					$\sim$		~~~~~	m	$\sim$						
24941EC	LED TRANSIT SIGNAL MODULE	EACH 2			6	3	3	3	6	3	6						
22939ND	INSTALL LUMINAIRE POLE	EACH															

TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T002

TRANSFORMING DIXIE HIGHWAY
TRAFFIC SUB SUMMARY
SHEET 1 OF 3

124722       CONJUIT-IN       LF       95       33       39       47       41       41       91       26       43	ITEM         DESCRIPTION         UNIT         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	ITEM         DESCRIPTION         UNT         0 2         0 2        0 2        0 2	ITEM         DESCRIPTION         UNIT         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1         01/1	TEM         DESCRIPTION         UNIT         0         C         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N						TRA	FFIC \$	SUB	SUM	MARY								
04297       042747       0120       14       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	04297       042747       0120       14       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	04297       042747       0120       14       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	04297       042747       0120       14       4       4       4       4       4       4       4       4       4       4       4       4       4       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    2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       2.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721       7.721 <th7.721< th=""> <th7.721< th=""> <th7.7< th=""><th>ITEM</th><th>DESCRIPTION</th><th>UNIT</th><th></th><th></th><th>02</th><th>02</th><th>T023</th><th>02</th><th>02</th><th>02</th><th>02</th><th>02</th><th>02</th><th></th><th>T 0 31</th><th>T032</th><th>SUB</th></th7.7<></th7.721<></th7.721<>	ITEM	DESCRIPTION	UNIT			02	02	T023	02	02	02	02	02	02		T 0 31	T032	SUB
OPPOR     Current Convertion     Call     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C <thc< th="">     C     C     C    &lt;</thc<>	OPPOR     Current Convertion     Call     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C <thc< th="">     C     C     C    &lt;</thc<>	OPPOR     Current Convertion     Call     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     A     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C <thc< th="">     C     C     C    &lt;</thc<>	OPEN OWNER CALL LY       PAGE       P	OPARD       FLOT CONTINUE (T       SAU       FLOT CONTINUE (T       FLOT CONTINUE (T <th< td=""><td>24901EC</td><td>PVC CONDUIT-2 IN-SCHEDULE 80</td><td>LF</td><td>207</td><td>279</td><td>198</td><td>174</td><td>113</td><td>232</td><td>97</td><td>53</td><td>179</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	207	279	198	174	113	232	97	53	179						
9-192     97000-1-112     100     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97     97	OPPORT       AP       OP       SO       SO     <	99-794       1990au-1-112       Db        20       30       20       47       47       47       40       20       20       40       0       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10<	OPTOR       OPTOR <th< td=""><td>OP MARK       OP MARK</td><td></td><td></td><td></td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>·</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	OP MARK				4	4	4	4	4	4	4	·	4						
9449       Color Hor 2 SH       JF	94-99     9204D17 1/102 19     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1     1/1	94953       000.017 - 102 B.       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0 </td <td>04784       0000071 (2 )       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0</td> <td>def3e       Codoutt-12 ab       LP       Codoutt-12 ab       Codo</td> <td></td> <td></td> <td></td> <td>-</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	04784       0000071 (2 )       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	def3e       Codoutt-12 ab       LP       Codoutt-12 ab       Codo				-	8	8	8	8	8	8		-						
6/751       CORD.T-2.N       L7       24       45       570       6       65       76       67       71       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       67       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	34980       0000(172 N.       III       124       4       a       220       161       4       76       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       65       7       6       6       7       6       6       7       6       6       7       6       6       7       7       6       6       7       7       6       6       7       6       6       7       6       6       7       6       6       7       7       6       6       7       7       6       6       7       7       6       6       7       7       6       6       7       7       6       6       7       7       6       6       6       7       7       6       6       7       7       6       6       7       7       6       6       7	6459       CONCUT-2 IN       UP       24       90       250       910       450       76       65       76       67       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       65       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70<	OPERATE         UP         224         90         250         76         45         76         57         0         55         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<>	BATHER       LINE       VI       VIIII       VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII											26							
6-647       115       15       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6<	3480       ELCY TEPS LANDATION DAY THESE       EXAL       4       5       6       4       4       5       5       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	6.64*       E.CTTSPC, LUNCTON, BC TYPE, B.       10       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       6.4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	04441       026 TE20AL UNCTION DX "PX"E 5       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0	Addr.       Exc.							<del>\</del> <del>\</del> 181 <del>\</del>			77	0	$+$ $\cdot$						
0 632       XIRE-ND, '4 x20'       LF	0482       V.32+40. 12       L       L       L       2230       2330       2130       2132       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       1682       <	04032       WRE-V. 12       LF       LF       LF       LFS       LG200       LG200<	General Control International Contrectory International Control International Control International C	0432       0.78 + V. 12       12       193       02030       0433       0432       0.78 + V. 1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1835       1831       1831       1835       1831       1835       1831       1831       1831       11       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <th1< th="">       1       1       1<!--</td--><td></td><td></td><td>EACH</td><td>4</td><td>5</td><td>6</td><td>263</td><td>4</td><td>4</td><td>4.5</td><td>3</td><td>E 2 2</td><td></td><td></td><td></td><td></td><td></td><td>_<u>_</u></td></th1<>			EACH	4	5	6	263	4	4	4.5	3	E 2 2						_ <u>_</u>
0 632       MPE-NO. 12       MPE-NO. 14/20       LF       LFS       LF	0482       V.32+40. 12       L2       173       23202       1933       23202       1934       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       1932       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <td>04032       WRE-VS. 12       LF       LF       1753       20032       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       11       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <t< td=""><td>General Control International Contrectory International Control International Control International C</td><td>0432       0.32+00.       12       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147</td><td>04820</td><td>TRENCHING AND BACKFILLING</td><td>LF</td><td>184</td><td>139</td><td>175</td><td>203</td><td>125</td><td>75</td><td>116</td><td>59</td><td><b>6</b> 81</td><td></td><td></td><td></td><td></td><td></td><td>11</td></t<></td>	04032       WRE-VS. 12       LF       LF       1753       20032       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       1853       11       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <t< td=""><td>General Control International Contrectory International Control International Control International C</td><td>0432       0.32+00.       12       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147</td><td>04820</td><td>TRENCHING AND BACKFILLING</td><td>LF</td><td>184</td><td>139</td><td>175</td><td>203</td><td>125</td><td>75</td><td>116</td><td>59</td><td><b>6</b> 81</td><td></td><td></td><td></td><td></td><td></td><td>11</td></t<>	General Control International Contrectory International Control International Control International C	0432       0.32+00.       12       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147       147	04820	TRENCHING AND BACKFILLING	LF	184	139	175	203	125	75	116	59	<b>6</b> 81						11
0444       CABLE-ND, 14/2C       1-2       2426       5019       195       2217       2212       1796       1597       C       1918       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	0644       CALE-YO, KAZE       LF       2465       5078       1958       727       2222       1758       1587       C       1975       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <td>C444       CABLE-NO, 14/70       LF       2465       5075       1958       7277       2222       1786       1573       C       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       <td< td=""><td>0444       CADLE-ND, 14/YC       UF       UF</td><td>0444       0.0.12-10, 14/30       0       1578       0       1578       0       1578       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       1       1       1       1       1       1       1       1       1       1       1       1       1       1</td><td></td><td></td><td></td><td></td><td>1336</td><td>1958</td><td>2496</td><td>1662</td><td>1292</td><td>1752</td><td>1534</td><td></td><td></td><td></td><td></td><td></td><td></td><td><b>(</b>158</td></td<></td>	C444       CABLE-NO, 14/70       LF       2465       5075       1958       7277       2222       1786       1573       C       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978       1978 <td< td=""><td>0444       CADLE-ND, 14/YC       UF       UF</td><td>0444       0.0.12-10, 14/30       0       1578       0       1578       0       1578       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       1       1       1       1       1       1       1       1       1       1       1       1       1       1</td><td></td><td></td><td></td><td></td><td>1336</td><td>1958</td><td>2496</td><td>1662</td><td>1292</td><td>1752</td><td>1534</td><td></td><td></td><td></td><td></td><td></td><td></td><td><b>(</b>158</td></td<>	0444       CADLE-ND, 14/YC       UF	0444       0.0.12-10, 14/30       0       1578       0       1578       0       1578       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       0       0       1578       1       1       1       1       1       1       1       1       1       1       1       1       1       1					1336	1958	2496	1662	1292	1752	1534							<b>(</b> 158
0-648     CAB_E-NO, 14/7E     LF     1055     1065     1062     126     660     121     843     112     Image: Composition of the state	CABLE-NO. 14/17       CABLE-NO. 14/17       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <thc< th=""> <th< td=""><td>04845     268E+80: 4772     LF     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V&lt;</td><td>0.645     C.6.2.E+0. H/7C     LF     &lt;</td><td>24862       OBLE-MO. MATC       LF       LF&lt;</td><td></td><td></td><td></td><td>$+ \mathbf{u} \mathbf{v}$</td><td>2020</td><td>1945</td><td>2170</td><td></td><td>1698</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<></thc<>	04845     268E+80: 4772     LF     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V     V<	0.645     C.6.2.E+0. H/7C     LF     <	24862       OBLE-MO. MATC       LF       LF<				$+ \mathbf{u} \mathbf{v}$	2020	1945	2170		1698									
C 488 0       5.48 F-M0 (4/1 ALR       1.F       1005       1005       1205       660       211       843       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11	9480     CARLEND, MATRAT     17     1055     1050     1050     460     1700     460     460     1710     843     124     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125     125 <td>0.660       CARLENO, 14/LPAIR       IF       1065       1070       1276       680       450       271       843       124       0       0       155       0       0       16         04885       MLSSENGER-10000 LB       LF       414       465       155       339       412       0       C       155       0       0       2         04885       MLSSENGER-10000 LB       LF       7/6       695       171       842       6/1       153       661       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0</td> <td>CARE THEN, LAY FAITS       LF       1052       1052       1052       1052       1051       123       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       <td< td=""><td>0480       0481 FM (1474)       1F       1055       1050       760       1025       860       450       123       543       1124       114       144       465       165       259       412       0       0       155       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125</td><td></td><td></td><td></td><td>2436</td><td>3078</td><td>1958</td><td>2737</td><td>2232</td><td>1796</td><td>1380</td><td></td><td>1578</td><td></td><td></td><td></td><td></td><td></td><td></td></td<></td>	0.660       CARLENO, 14/LPAIR       IF       1065       1070       1276       680       450       271       843       124       0       0       155       0       0       16         04885       MLSSENGER-10000 LB       LF       414       465       155       339       412       0       C       155       0       0       2         04885       MLSSENGER-10000 LB       LF       7/6       695       171       842       6/1       153       661       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	CARE THEN, LAY FAITS       LF       1052       1052       1052       1052       1051       123       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124 <td< td=""><td>0480       0481 FM (1474)       1F       1055       1050       760       1025       860       450       123       543       1124       114       144       465       165       259       412       0       0       155       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125</td><td></td><td></td><td></td><td>2436</td><td>3078</td><td>1958</td><td>2737</td><td>2232</td><td>1796</td><td>1380</td><td></td><td>1578</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	0480       0481 FM (1474)       1F       1055       1050       760       1025       860       450       123       543       1124       114       144       465       165       259       412       0       0       155       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125       125				2436	3078	1958	2737	2232	1796	1380		1578						
04895       MESS-MEX-108301 LH       LF       14       4463       185       467       533       417       0       0       155       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	0488b       VESSENCENCION 03       10       13       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	0488b       MESSENCENT/0800 IB       LP       414       485       185       467       933       417       0       0       155       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	04985       M-55 MG-2-0000 1-3       L       L       H       444       483       185       467       595       417       0       0       152       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0       1.0	04885       VPSENDER-080001B       1P       414       463       165       467       299       47       0       0       125       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1				1055	1080	1090	1205	680	450	1231	843	1124						
0-495       LOBY SAM SLOT AND FILL       L-7       749       515       747       582       641       533       863       590       661       L       L       58       641       533       863       590       661       L       L       L       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td>04895       LOP SAN SLD T AUC FUL       L-7       749       915       747       982       641       530       962       590       661       L       L       L       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <td< td=""><td>04895       LOP SAY S.DT AND FUL       F       748       S15       747       987       641       520       863       590       661       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1&lt;</td><td>0485       LOBY SAN SLOT AND FILL       LF       1/2       515       1/2       520       661       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <th1< th=""> <th1< th="">       1</th1<></th1<></td><td>0.4995       LOBY SAN SLOT AND FALL       LF       748       S15       747       9827       841       S26       963       930       661                                                                                                    <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<></td></td<></td>	04895       LOP SAN SLD T AUC FUL       L-7       749       915       747       982       641       530       962       590       661       L       L       L       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1    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    1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <th1< th=""> <th1< th="">       1</th1<></th1<></td><td>0.4995       LOBY SAN SLOT AND FALL       LF       748       S15       747       9827       841       S26       963       930       661                                                                                                    <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<></td></td<>	04895       LOP SAY S.DT AND FUL       F       748       S15       747       987       641       520       863       590       661       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<	0485       LOBY SAN SLOT AND FILL       LF       1/2       515       1/2       520       661       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <th1< th=""> <th1< th="">       1</th1<></th1<>	0.4995       LOBY SAN SLOT AND FALL       LF       748       S15       747       9827       841       S26       963       930       661 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																		
0489       11:0 (LCAL SL-VIG)       14:1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 </td <td>33839       I.I.C. III.C.A. SERVICE       YACT MATH IC ACC MODULE)       FACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I</td> <td>3489       FLE TRUCH SERVICE       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       <thc< th=""> <thc< th="">       C</thc<></thc<></td> <td>0 449       -1-C(RAL 5+3)-(C       -1-C       1-C       1-C</td> <td>0499       1-1-CHICAL 54-V(A       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0</td> <td></td>	33839       I.I.C. III.C.A. SERVICE       YACT MATH IC ACC MODULE)       FACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	3489       FLE TRUCH SERVICE       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <thc< th=""> <thc< th="">       C</thc<></thc<>	0 449       -1-C(RAL 5+3)-(C       -1-C       1-C	0499       1-1-CHICAL 54-V(A       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0																		
04932       INSTALL STEAL STRAIN POLE       EACH       I       4       3       4       4       0       0       1	04932       INSTALL STELL STRAIN POLE       EACH       1       4       3       4       4       0       0       1       0       1       0       1       0       1       0       1       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	04932       INSTALL STELL STRAIN POLE       EACH       1       4       3       4       4       0       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	D4932       INSTALL STEAL STRAIN POLE       EACH       I       4       3       4       4       0       0       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	D4332       INSTALL STELL STEAL STEAL STEAL STEAL NOLE       EACH       1       4       3       4       4       4       0       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	04899	ELECTRICAL SERVICE	EACH															
04950       FEMOVE SIGNAL EQUIPMENT       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <	04950       REMOVE SIGNAL EQUIPMENT       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <	04950       REMOVE SIGNAL EQUIPMENT       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <th1< th="">       1       1       1       <t< td=""><td>04950       REMOVE SIGNAL EQUIPMENT       EACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       &lt;</td><td>04930       REMOVE SIGNAL EQUIPMENT       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       &lt;</td><td>24908EC</td><td>INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)</td><td>EACH</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></t<></th1<>	04950       REMOVE SIGNAL EQUIPMENT       EACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       <	04930       REMOVE SIGNAL EQUIPMENT       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <	24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
06472       INSTALL SAN MOUNTED SIGN       EACH       2       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	C6472       INSTALL SPAN MOUNTED SIGN       EACH       C       2       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C	06472       INSTALL SPAN MOUNTED SIGN       EACH       20       2       1       200       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	06472       INSTALL SPAN MOUNTED SIGN       EACH       2       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	06472       INSTALL SPAN VOUNTED SIGN       EACH       20       2       1       20       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0				1	4	3	4	4	4		0	1						
20033N833       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH       EACH       INSTALL LD SIGNAL-3 SECTION 12 IN (TRANSIT)       EACH       INSTALL LD SIGNAL-3 SECTION 12 IN       INSTALL LD SIGNAL-3 SECTION 12 IN       EACH       INSTALL LD SIGNAL-3 SECTION 12 IN       INSTALL LD SIGNAL-3 SECTION 12 IN       EACH       INSTALL LD SIGNAL-4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL SECTION 12 IN       INSTA	20033N3835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH       EACH       Image: Constraint of the second	20033N835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH <td>20093NS835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH<!--</td--><td>20093NS835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH<!--</td--><td></td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td>1</td><td>1</td><td></td><td>1</td><td>1</td><td>4</td><td>4</td><td>6</td><td>4</td><td>4</td><td></td></td></td>	20093NS835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH </td <td>20093NS835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH<!--</td--><td></td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td>1</td><td>1</td><td></td><td>1</td><td>1</td><td>4</td><td>4</td><td>6</td><td>4</td><td>4</td><td></td></td>	20093NS835       INSTALL PEDESTRIAN HEAD-LED       EACH       EACH </td <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td>4</td> <td>4</td> <td>6</td> <td>4</td> <td>4</td> <td></td>				1	1	1		1	1		1	1	4	4	6	4	4	
2018089555       INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)       EACH       IN       I	2018808255       INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)       EACH       IC       I	201880855       INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)       EACH       IC	2018808353       INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)       EACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I <td>2018083835       INSTALL LED SIGNAL-3 SECTION 12 IN (RANSIT)       EACH       IC       IC</td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td>+</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2018083835       INSTALL LED SIGNAL-3 SECTION 12 IN (RANSIT)       EACH       IC					<u> </u>	+			0									
2010003030       INSTALL LED SIGNAL 3 Section 12 IN       EACH       IN	2010003232       INSTALL LED SIGNAL 3 SECTION 12 IN (INNARITY       EACH       1       1       10       9       0       0       8       0       0       0       7         20180N3232       INSTALL LED SIGNAL-3 SECTION 12 IN       EACH       1       10       10       9       0       0       8       0       0       0       7         20180N3232       INSTALL LED SIGNAL-3 SECTION 12 IN       EACH       10       12       11       10       9       0       0       8       0       1       1       1       0       1       0       0       8       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	2010003233       INSTALL ELD SIGNAL-3 SECTION 12 IN TRANSITO       EACH       10       12       11       10       9       0       0       8       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<	20189N353       INSTALL LED SIGNAL-3 SECTION 12 IN THANKITY       EACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	2010/00/201       1111/10       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1				+ $u$ $+$ $u$	8	+ Lui	الريم		6	$+$ $\tilde{\mathbf{U}}$								
20189NS835       INSTALL LED SIGNAL-5 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL POLISIONAL 4 SECTION 12 IN       EACH       INSTALL POLISIONAL 4 SECTION 12 IN       INSTALL POLISIONAL 4 SECTION 12 IN       EACH       INSTALL POLISIONAL 7 SECTION 12 IN       INSTALL POLISIONAL 7 SECTION 12 IN       EACH       INSTALL POLISIONAL 7 SECTION 12 IN       INSTALL POLISI SIGNAL 7 SECTION 12 IN 11 III IIIIIIIIII IIIIIIIIIIIII	20189NS835       INSTALL LED SIGNAL-S SECTION 12 IN       EACH       EACH       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	20189NS835       INSTALL LED SIGNAL-S SECTION 12 IN       EACH       EACH       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	20189NS835       INSTALL LED SIGNAL-5 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	20199NS835       INSTALL LED SIGNAL-5 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN PEDESTAL				10	12		_	10	9	0	0							`
20266ESB35       INSTALL LED SIGNAL 4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       INSTALL PEDESTRIAN       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       INST	20266ES835       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL LED SIGNAL A SECTION 12 IN       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR (WITH POLE MOUNTED ANTENNA)       INSTALL PEDESTRIAN DETECTOR (WITH POLE MOUNTED ANTENNA)       INSTALL PIDE PEDESTRIAN POLE       INSTALL PIDE PEDESTRIAN       INSTALL PIDE PEDESTRIAN POLE       INSTALL PIDE PEDESTRIAN       INSTALL PIDE PEDESTRIAN       INSTALL PIDE PEDESTRIAN POLE       INSTALL PIDE PEDESTRIAN       INSTALL P	20266ESB35       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN	20266E5835       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN       IN	22266ES33       INSTALL LED SIGNAL-4 SECTION 12 IN       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       INSTALL PEDESTRIAN DETECTOR       EACH       INSTALL PEDESTRIAN DETECTOR       INSTALL																		
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24589ED       LED LUMINAIRE       OLD LUMINAIRE       Description       EACH       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	24589EDLED LUMINAIRELED 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   4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4</td> <td></td> <td></td> <td></td> <td>2</td> <td> </td> <td></td> <td>र</td> <td>2 2</td> <td>1</td> <td>2</td> <td>0</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	24589ED       LED LUMINAIRE       OLD LUMINAIRE       POLE       MULTIMODE       HARE       EACH       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4 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   4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4				2	 		र	2 2	1	2	0		1					
24919EC       MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	24919EC       MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	24919EC       MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	24919EC       MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	24919EC       MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)       EACH       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1				4	4		4	4	4	4								
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() TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T003

# TRANSFORMING DIXIE HIGHWAY TRAFFIC SUB SUMMARY SHEET 2 OF 3

ITEM	DESCRIPTION	UNIT EC	T034	T035	T036	T037	T039 T038	SUB SHEET 3 TOTALS	SUB SUMMARY SHEET 1 SUB SUB SUMMARY SHEET 2	
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80					 		0	349 1532	
04723	BRACKET - 10 FEET	EACH						0	16 36	
04780	FUSED CONNECTOR KIT	EACH						0	32 72	
04792	CONDUIT-1 IN	LF		10			20	20	155 359	
04794	CONDUIT-11/2 IN CONDUIT-2 IN			40	14	17	80	40	276 958	
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH					4	4		
04820	TRENCHING AND BACKFILLING	LF					100	100	485 1157	
04830	LOOP WIRE	LF					2905	2905	6790 (15830	
04832	WIRE-NO. 12	LF						0	7114 15335	<u> </u> {
04844	CABLE-NO. 14/5C CABLE-NO. 14/7C	LF LF					1690	0	9772 17195 1650 0	
04845	CABLE-NO. 14/1 PAIR						1330	1330	3831 8758	
04830	MESSENGER-10800 LB						260	260	455 2455	
04895	LOOP SAW SLOT AND FILL	LF					1100	1100	<b>E</b> 24223 <b>E</b> 62773	
04899	ELECTRICAL SERVICE	EACH		1				1	0 0	
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH 1	1	1	1	1		7	14 14	
04932	INSTALL STEEL STRAIN POLE	EACH EACH 4	5	7	3	2	4	4	8 21	
04950 06472	REMOVE SIGNAL EQUIPMENT INSTALL SPAN MOUNTED SIGN	EACH 4	5		5	5		19 0	$\begin{array}{c c} 44 & 31 \\ \hline 25 & 9 \end{array}$	
20093NS835		EACH					4	4		
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH						0	Lil Current	
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH					12	12	32 72	
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH						0	11 O	
20266ES835 21743NN	INSTALL LED SIGNAL-4 SECTION 12 IN INSTALL PEDESTRIAN DETECTOR	EACH EACH					4	0		
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD					17	17		
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH						0	2 0	
23206EC	INSTALL CONTROLLER CABINET	EACH						0	0	
23222EC	INSTALL SIGNAL PEDESTAL	EACH						0	8 18 1	
24589ED	LED LUMINAIRE	EACH EACH 1		1	1	1		0	16 36	
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)						O 1	0		
24941EC	LED TRANSIT SIGNAL MODULE	LS EACH								
22939ND	SYSTEM INTEGRATION LED TRANSIT SIGNAL MODULE INSTALL LUMINAIRE POLE	EACH						E 0 3	E 0 3 E 2 3	
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TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS

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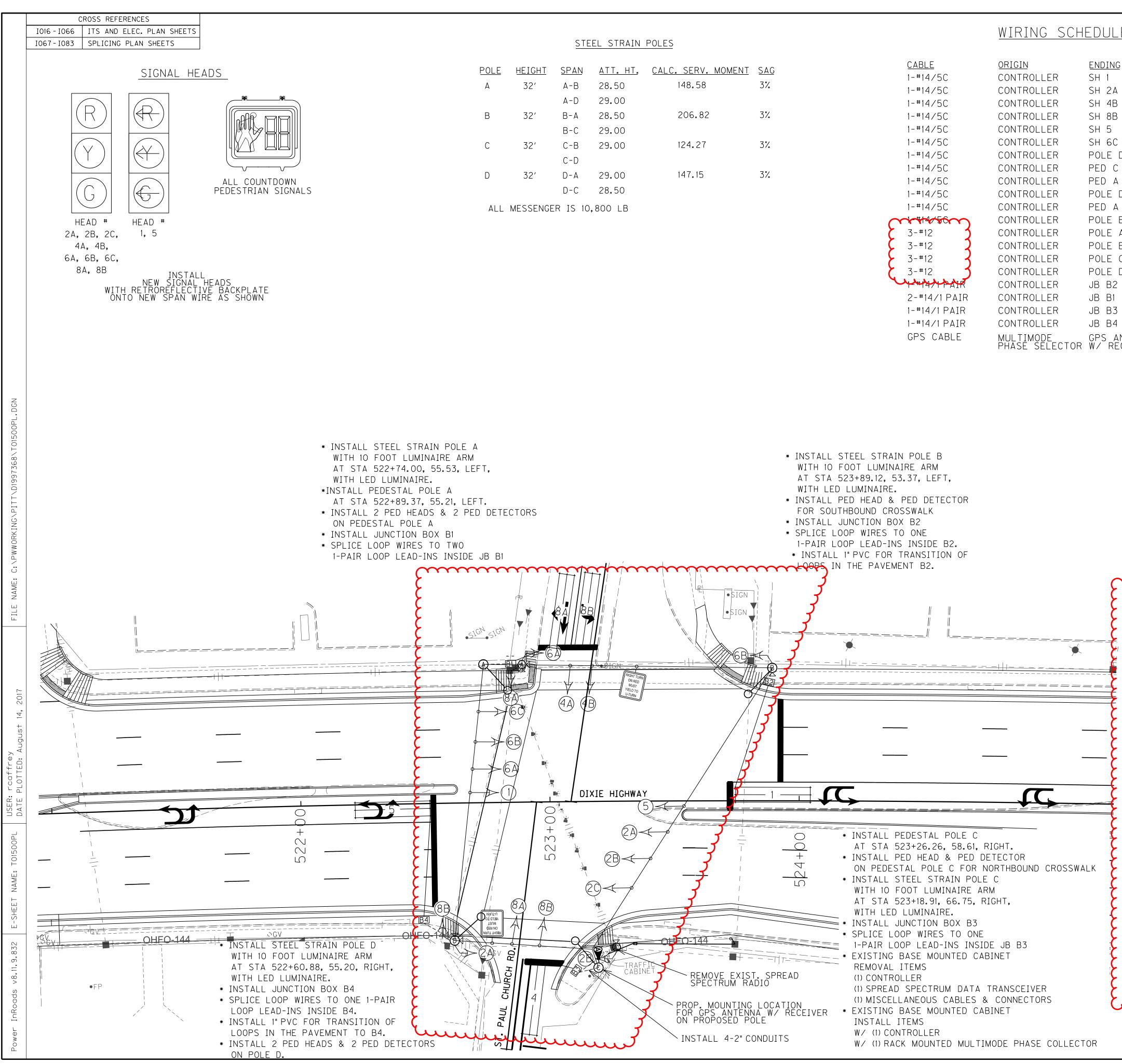
ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

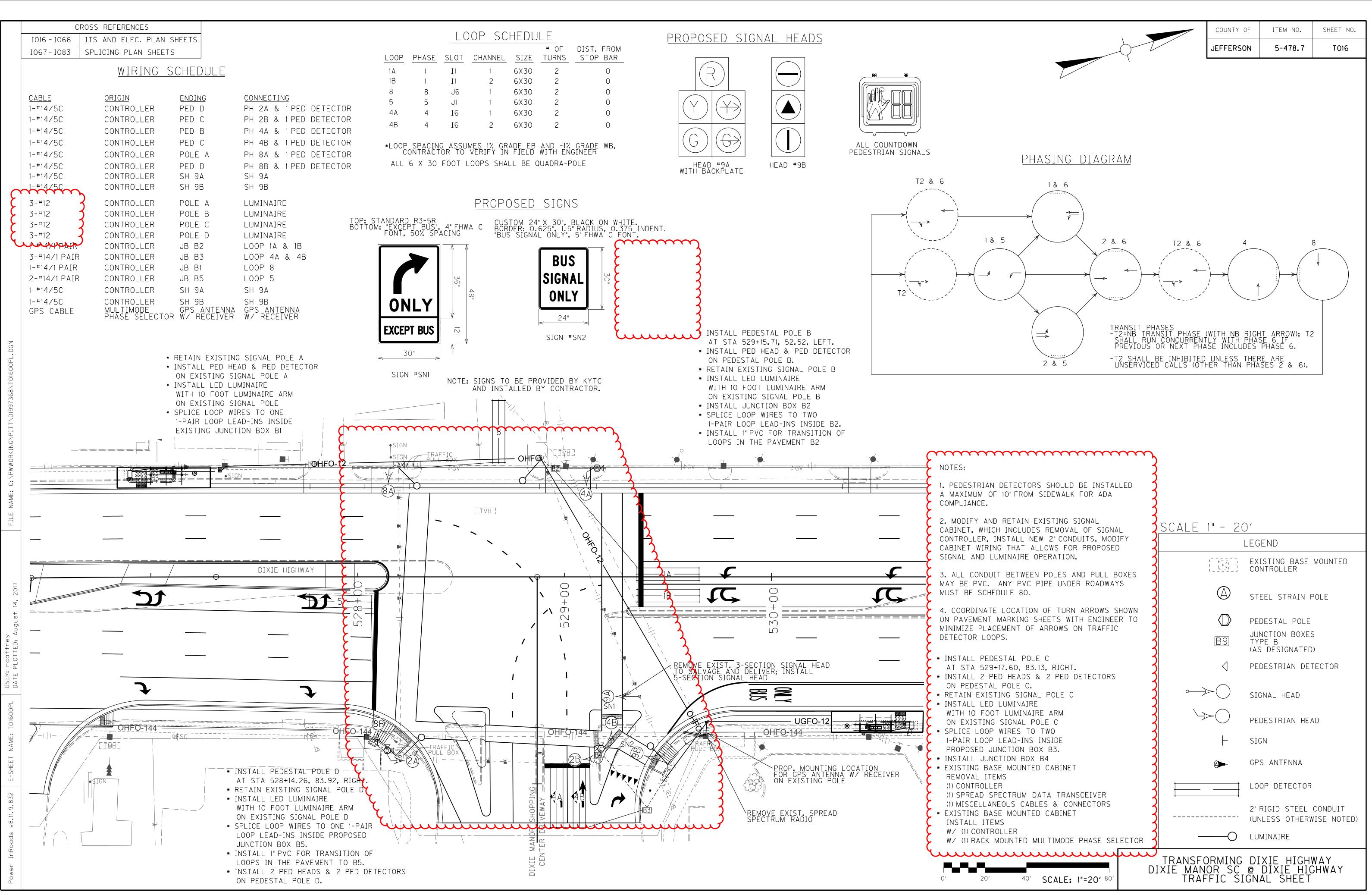
T004

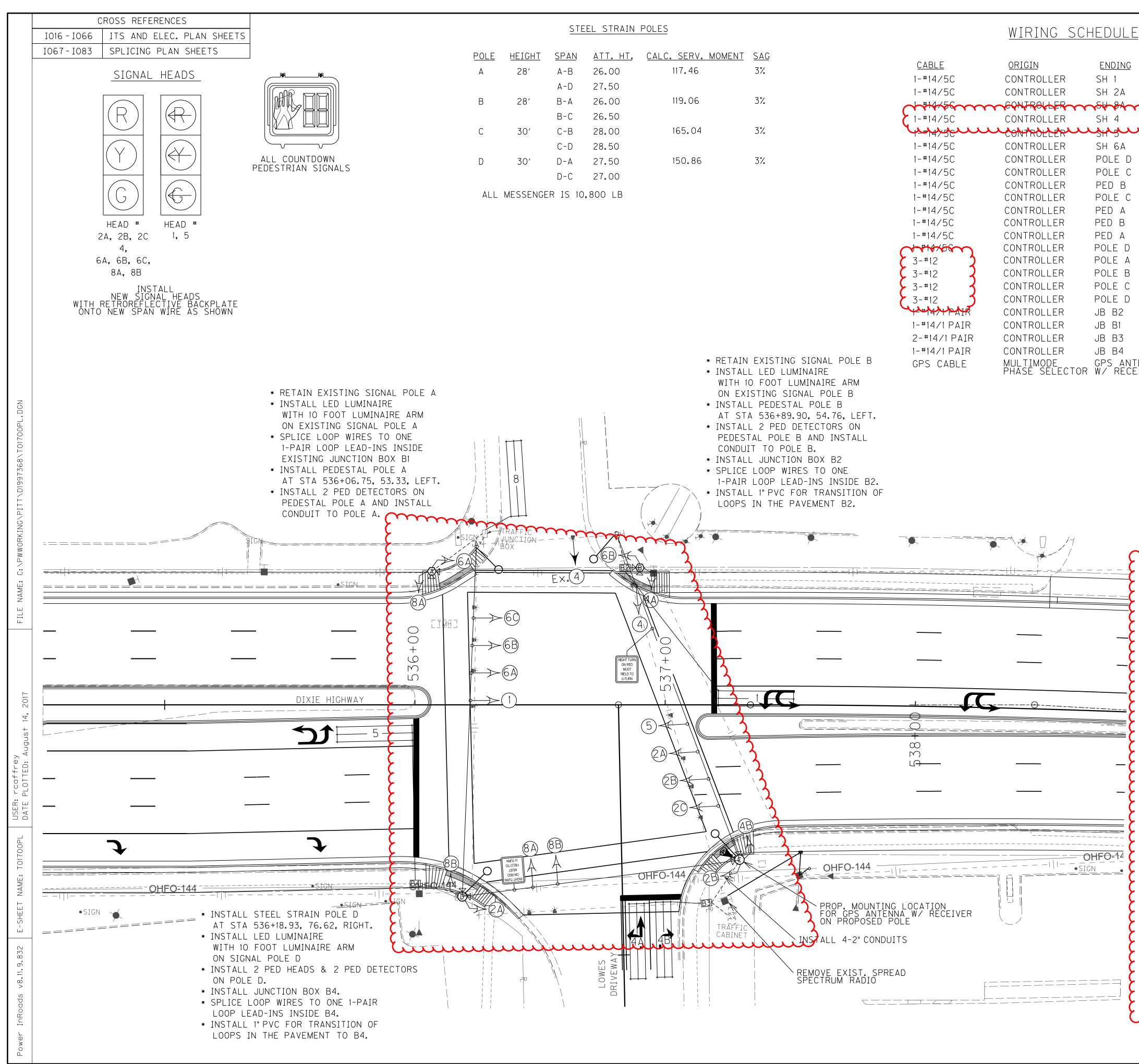
TRANSFORMING DIXIE HIGHWAY TRAFFIC SUB SUMMARY SHEET 3 OF 3



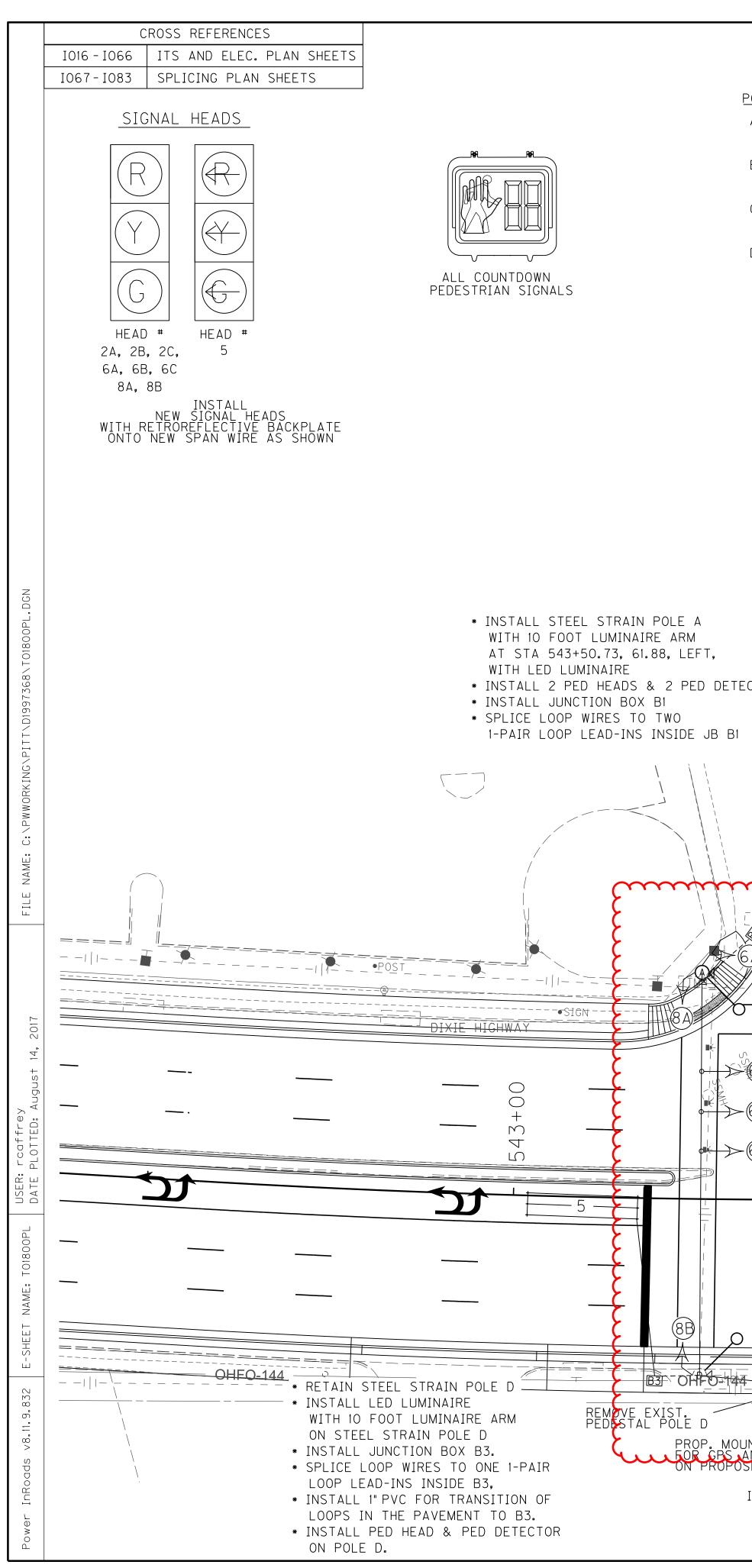
	WIRING SCH	HEDULE			COUNTY (	DF ITEM NO.	SHEET NO.
					JEFFERSO	N 5-478.7	T015
<u>BLE</u> #14/5C	<u>ORIGIN</u> CONTROLLER	<u>ENDING</u> SH 1	<u>CONNECTING</u> SH 1				
#14/5C #14/5C	CONTROLLER CONTROLLER	SH 2A SH 4B	SH 2A & 2B & 2C SH 4A & 4B			6	
#14/5C #14/5C	CONTROLLER CONTROLLER	SH 8B SH 5	SH 8A & 8B SH 5			7	
#14/5C #14/5C	CONTROLLER CONTROLLER	SH 6C Pole D	SH 6A & 6B & 6C PH 2A & 1PED DETECTOR				
#14/5C #14/5C	CONTROLLER	PED C PED A	PH 2B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR				
#14/5C	CONTROLLER	POLE D	PH 8B & 1 PED DETECTOR		LOOP SCH	IEDULE	
#14/5C #14/5C	CONTROLLER CONTROLLER	PED A Pole B	PH 6A & 1PED DETECTOR PH 6B & 1PED DETECTOR	LOOP PHASE	SLOT CHANNEL	# OF D	IST. FROM Stop bar
•#12 <b>}</b>	CONTROLLER CONTROLLER	POLE A Pole B	LUMINAIRE LUMINAIRE	1 1	I11	6X30 2	0
-#12	CONTROLLER CONTROLLER	POLE C POLE D	LUMINAIRE LUMINAIRE	8A 8 8B 8		6X30 2 6X30 2	0 0
#14/1 PAIR	CONTROLLER CONTROLLER	JB B2 JB B1	LOOP 1 LOOP 8A & 8B	4 4 5 5		6X30 2 6X30 2	0 0
#14/1 PAIR #14/1 PAIR	CONTROLLER CONTROLLER	JB B3 JB B4	LOOP 4 LOOP 5	*LOOP SPACIN	IG ASSLIMES 17 GRAI	DE EB AND -1% GE	RADE WB.
PS CABLE	MULTIMODE PHASE SELECTOR	GPS ANTENNA	A GPS ANTENNA		IG ASSUMES 1% GRAI TOR TO VERIFY IN FOOT LOOPS SHALI		
						CLONC	
						SIGNS	
						RIGHT TURN ON RED	
DLE B						MUST YIELD TO U-TURN	
ARM 7, left,						SIGN 'A'	
) DETECTOR ALK						R10-30 30" × 36"	
2 INE						S TO BE PROVIDE INSTALLED BY CC	
NSIDE B2. NSITION OF							
<b>-</b> -							
В2.		$\sim$	$\dots$	$\dots$			
В2.		<b>N</b> OT		~~~~}			
B2.		NOT	ES: Edestrian detectors should be	E INSTALLED A	CALE 1" - 20	) ′	
B2.		NOT	ES:	E INSTALLED A		EGEND	
B2.		NOT 1. P MAX CON 2.	ES: EDESTRIAN DETECTORS SHOULD BE AMUM OF 10" FROM SIDEWALK FOR	P ASSEMBLIES			MOUNTED
B2.		NOT	ES: EDESTRIAN DETECTORS SHOULD BE IMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES		_EGEND EXISTING BASE CONTROLLER	
B2.		NOT 1. P MAX CON 2. FOR PRE ATT ARE POL	ES: EDESTRIAN DETECTORS SHOULD BE MUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE	Ĺ	_EGEND existing base	
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B2.		NOT	ES: EDESTRIAN DETECTORS SHOULD BE MUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES THE ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL	E INSTALLED A ADA P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B	OLE
B2.		NOT	ES: EDESTRIAN DETECTORS SHOULD BE AMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES THE ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. THE LACEMENT ASSEMBLIES TO THE DI	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE IE CONTRACTOR IE SVISION OF		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET	OLE
       		NOT	ES: EDESTRIAN DETECTORS SHOULD BE MUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES THE ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. THE LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL.	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE IE CONTRACTOR IE SVISION OF		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED	OLE
            		NOT	ES: EDESTRIAN DETECTORS SHOULD BE IMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL.	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE IE CONTRACTOR IE SVISION OF		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET	OLE
           	ETECTOR NORTHBOUND CROSSW E C	NOT	ES: EDESTRIAN DETECTORS SHOULD BE IMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL ( TROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE E CONTRACTOR HE CONTRACTOR HE STRION OF		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD	OLE
<pre>            </pre>	ETECTOR NORTHBOUND CROSSW E C RM	NOT	ES: EDESTRIAN DETECTORS SHOULD BE AMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL.	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE E CONTRACTOR E CONTRACTOR E VISION OF NAL OF SIGNAL TS, MODIFY PROPOSED		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA	OLE
<pre>                  </pre>	NETECTOR NORTHBOUND CROSS₩ E C RM RIGHT,	NOT	ES: EDESTRIAN DETECTORS SHOULD BE MUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL OF TROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F NAL AND LUMINAIRE OPERATION.	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE E CONTRACTOR HE CONTRACTOR HE STRION OF NAL OF SIGNAL TS, MODIFY ROPOSED PULL BOXES		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN	OLE
II       II         II       II         III       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DETECTOR NORTHBOUND CROSSW E C RM RIGHT, DE JB B3	NOT	ES: EDESTRIAN DETECTORS SHOULD BE SIMUM OF 10" FROM SIDEWALK FOR IPLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES THE ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL ITRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LL SUBMIT SHOP DRAWINGS OF TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL (O ITROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F NAL AND LUMINAIRE OPERATION. ALL CONDUIT BETWEEN POLES AND COORDINATE LOCATION OF TURN A	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE E CONTRACTOR E VISION OF NAL OF SIGNAL TS, MODIFY ROPOSED PULL BOXES ROADWAYS		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA LOOP DETECTOR	OLE ECTOR
	DETECTOR NORTHBOUND CROSSW E C RM RIGHT, DE JB B3 BINET	NOT	ES: EDESTRIAN DETECTORS SHOULD BE SIMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL ITRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL OF TROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F NAL AND LUMINAIRE OPERATION. ALL CONDUIT BETWEEN POLES AND THE SCHEDULE 80. COORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH IMIZE PLACEMENT OF ARROWS ON	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE IE CONTRACTOR IE EVISION OF NAL OF SIGNAL TS, MODIFY POPOSED PULL BOXES ROADWAYS		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA	OLE ECTOR D
	DETECTOR NORTHBOUND CROSSW E C RM RIGHT, DE JB B3 BINET TRANSCEIVER & CONNECTORS	NOT	ES: EDESTRIAN DETECTORS SHOULD BE IMUM OF 10" FROM SIDEWALK FOR IPLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH. ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL ITRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL ( ITROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F NAL AND LUMINAIRE OPERATION. ALL CONDUIT BETWEEN POLES AND COORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH IMIZE PLACEMENT OF ARROWS ON ECTOR LOOPS.	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE HE CONTRACTOR HE CVISION OF NAL OF SIGNAL TS, MODIFY PROPOSED PULL BOXES ROADWAYS RROWS SHOWN ENGINEER TO TRAFFIC		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA LOOP DETECTOR 2" RIGID STEEL	OLE ECTOR D
	DETECTOR NORTHBOUND CROSSW E C RM RIGHT, DE JB B3 BINET TRANSCEIVER & CONNECTORS	NOT	ES: EDESTRIAN DETECTORS SHOULD BE SIMUM OF 10" FROM SIDEWALK FOR PLIANCE. THE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS LIMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T E, THE CONTRACTOR SHALL PROVI LACEMENT CLAMP ASSEMBLIES TH ILITATE THE INSTALLATION. CONT PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL ITRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST E BASE/SIGNAL HEAD DETAILS. TH LACEMENT ASSEMBLIES TO THE DI FFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIG INET, WHICH INCLUDES REMOVAL OF TROLLER, INSTALL NEW 2" CONDUI INET WIRING THAT ALLOWS FOR F NAL AND LUMINAIRE OPERATION. ALL CONDUIT BETWEEN POLES AND THE SCHEDULE 80. COORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH IMIZE PLACEMENT OF ARROWS ON	P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE DE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL ATED ON THE E CONTRACTOR E VISION OF NAL OF SIGNAL TS, MODIFY PROPOSED PULL BOXES ROADWAYS RROWS SHOWN ENGINEER TO TRAFFIC		EGEND EXISTING BASE CONTROLLER STEEL STRAIN P PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA LOOP DETECTOR 2" RIGID STEEL (UNLESS OTHERW LUMINAIRE	OLE ECTOR D CONDUIT ISE NOTED

-	<u>HEIGHT</u>	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u>
	32′	A-B	28.50	148.58	3%
		A-D	29.00		
	32′	B-A	28.50	206.82	3%
		B-C	29.00		
	32′	C-B	29.00	124.27	3%
		C-D			
	32′	D-A	29.00	147.15	3%
		D-C	28.50		





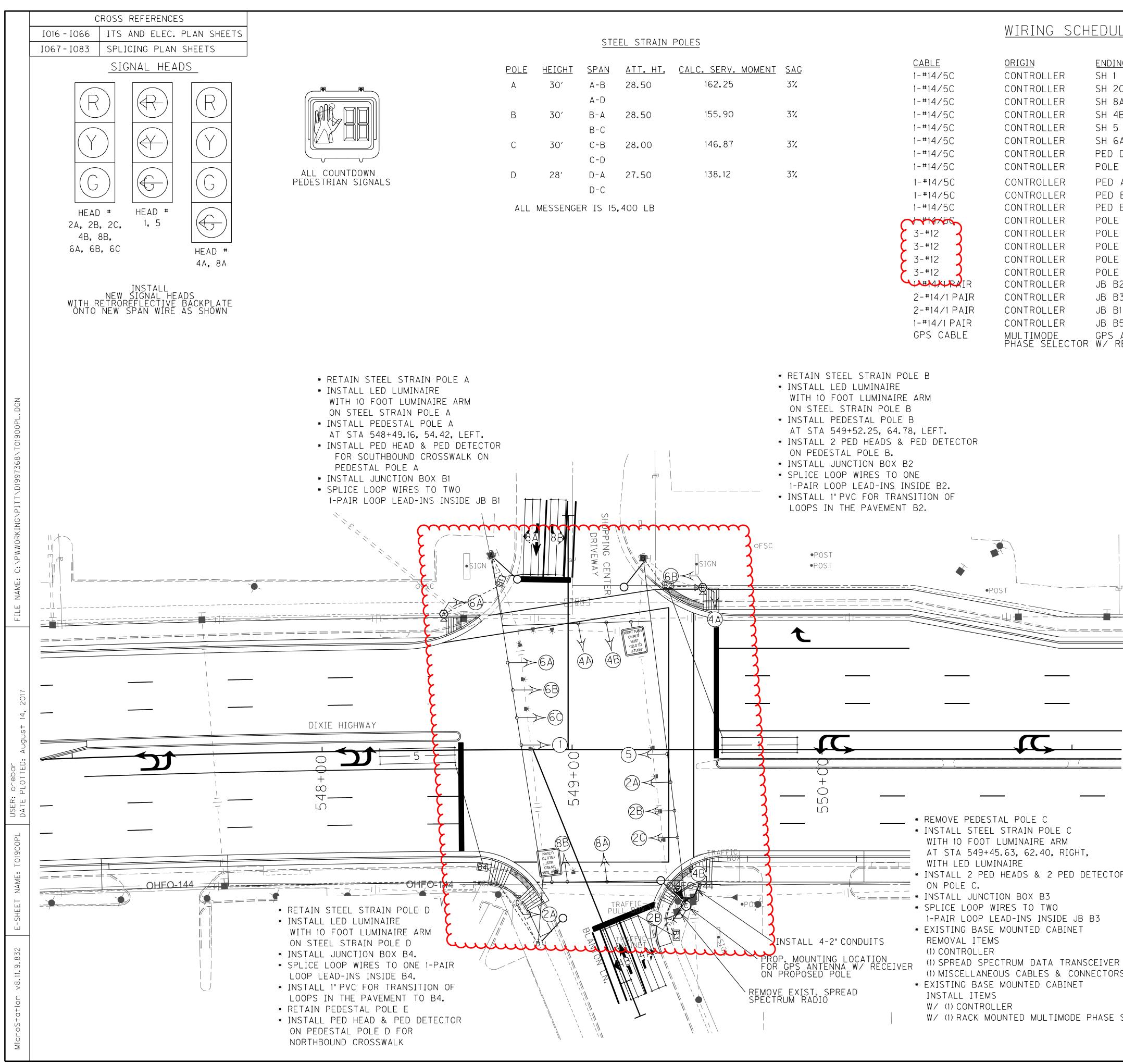
				COUNTY O	F	ITEM NO.	SHEET NO.
				JEFFERSO	N	5-478.7	T017
<u>Connecting</u> SH 1							
SH 2A & 2B & 2C						67	
SH 4 (JUMPER TO EX. SH 4)						\	
SH 6A & 6B & 6C PH 2A & 1PED DETECTOR							
PH 2B & 1 PED DETECTOR							
PH 4A & 1PED DETECTOR PH 4B & 1PED DETECTOR PH 6A & 1PED DETECTOR			LO	OP SCH	edu	ILE	
PH 6B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 8A & 1 PED DETECTOR	LOOP PH	<u>IASE</u>	SLOT	CHANNEL	SIZE		IST. FROM Stop bar
PH 8B & 1 PED DETECTOR LUMINAIRE	1 8	1 8	I1 J6		SX30 SX30	2 2	0 0
LUMINAIRE LUMINAIRE	5 4A	5 4	J1 I6		SX30 SX30	2 2	0 0
LUMINAIRE LOOP 1	4B	4	I6	2 6	SX30	2	0
LOOP 8 LOOP 4A & 4B				MES 1% GRAD Verify in F			
LOOP 5 TENNA GPS ANTENNA	ALL 6 >	x 30	FOOLL	OOPS SHALL	RF (	JUADRA-POL	E.
EIVER W/ RECEIVER							
					(	SIGNS	
					-		
						ON RED MUST	
						VIELD TO U-TURN	
						SIGN 'A' R10-30	
	~~~~~	$\mathcal{L}$		NOTE: SIGN	S TO		
NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE I	INSTALLED	3		AND	INSTA	LLED BY CO	JNIRACIOR.
A MAXIMUM OF 10" FROM SIDEWALK FOR COMPLIANCE.		3			1		
2. MODIFY AND RETAIN EXISTING SIGNA			ALE	1" - 20	ÉGEN	ND	
 CABINET, WHICH INCLUDES REMOVAL OF CONTROLLER, INSTALL NEW 2" CONDUITS CABINET WIRING THAT ALLOWS FOR PRO 	, MODIFY	3			EXIS	TING BASE	MOUNTED
SIGNAL AND LUMINAIRE OPERATION.		3		· - · · · · · · ·	CONI	ROLLER	
3. ALL CONDUIT BETWEEN POLES AND P May be pvc. Any pvc pipe under ro Must be schedule 80.		1		()	STEE	l strain p	OLE
4. COORDINATE LOCATION OF TURN ARR	OWS SHOWN	3		$\langle D \rangle$		STAL POLE	
ON PAVEMENT MARKING SHEETS WITH EN MINIMIZE PLACEMENT OF ARROWS ON TH		3		B9	TYPE	TION BOXES B DESIGNATED	
DETECTOR LOOPS.		3		\triangleleft	PEDE	STRIAN DET	ECTOR
 * INSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM 		3	o	$\rightarrow \bigcirc$	CICN		
AT STA 537+29.82, 62.12, RIGHT, WITH LED LUMINAIRE		3	· \ •		316N/	AL HEAD	
* INSTALL 2 PED HEADS & 2 PED DETE ON POLE C.	ECTORS	3				STRIAN HEA	D
 * INSTALL JUNCTION BOX B3 * SPLICE LOOP WIRES TO TWO 1-PAIR LOOP LEAD-INS INSIDE IN B3 	4	1		F	SIGN		
1-PAIR LOOP LEAD-INS INSIDE JB B3 * EXISTING BASE MOUNTED CABINET REMOVAL ITEMS		3			GPS	ANTENNA	
(1) CONTROLLER (1) SPREAD SPECTRUM DATA TRANSCE	IVER	1			LOOP	DETECTOR	
(1) MISCELLANEOUS CABLES & CONNEC * EXISTING BASE MOUNTED CABINET	TORS	3				GID STEEL	
INSTALL ITEMS W/ (1) CONTROLLER W/ (1) RACK MOUNTED MULTIMODE PH/	ASE SELECTOR	3	_	^		AIRE	ISE NOTED)
W/ (1) RACK MOUNTED MULTIMODE PH				<u> </u>			N/ A V
0′ 20′ 40′ SCALE: 1"=20			S DR.	ORMING IVEWAY FFIC SI(@ D	IXIE HIC	
JUALE: I-20	,		IIVA				



WIRING SCHEDU	l F		COUNTY O	TITEM NO.	SHEET NO.
			JEFFERSO	N 5-478.7	T018
<u>CABLE</u> <u>ORIGIN</u> <u>ENDI</u> 1-#14/5C CONTROLLER SH 2 1-#14/5C CONTROLLER SH 8	C SH 2A & 2B & 2C				
1-#14/5C CONTROLLER SH 5 1-#14/5C CONTROLLER SH 6	SH 5 SH 6A & 6B & 6C			Y	
1-#14/5C CONTROLLER POLE 1-#14/5C CONTROLLER POLE	E A PH 8A & 1 PED DETECTOR				
1-#14/5C CONTROLLER PED 1-#14/5C CONTROLLER POLE	B C PH 4A & 1 PED DETECTOR				
I-#14/5C CONTROLLER POLE	A PH 6A & TPED DETECTOR				
3-#12 CONTROLLER POLE 3-#12 CONTROLLER POLE	B LUMINAIRE		LOOP SCH	# OF D	IST. FROM
3-#12 3-#12 CONTROLLER POLE CONTROLLER JB B	D LUMINAIRE	LOOP PHASE 5 5	I1 I 6	5X30 2	O
2-#14/1 PAIR CONTROLLER JB B	1 LOOP 8A & 8B	8A 8 8B 8		5X30 2 5X30 2	0 0
PHASE SELECTOR W/ F	ANTENNA GPS ANTENNA Receiver W/ Receiver	*LOOP SPACING Contract(ASSUMES 1% GRAD DR TO VERIFY IN F	E EB AND -1% GI Ield with engin	RADE WB, Neer
		ALL 6 X 30 I	FOOT LOOPS SHALL	BE QUADRA-POL	E
OLE B				SIGNS	
EARM					
B B 95, LEFT.				ON RED MUST YIELD TO	
2 PED DETECTORS				U-TURN	
32				SIGN 'A'	
				R10-30 30" × 36"	
				30"×36" 5 to be provide	
				30" × 36"	
	ç	·····		30"×36" 5 to be provide	
	NOTES:	3 SC		30" × 36" 5 TO BE PROVIDE NSTALLED BY CO	
		3 SC	and 1 ALE 1" - 20 L	30" × 36" 5 TO BE PROVIDE NSTALLED BY CO /	NTRACTOR.
	NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASS	ALLED A	AND 1 ALE 1" - 20 L	30" × 36" 5 TO BE PROVIDE NSTALLED BY CO	ONTRACTOR.
	NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE.	EMBLIES D ON THE	AND 1 ALE 1" - 20 L	30" × 36" 5 TO BE PROVIDE NSTALLED BY CO / EGEND EXISTING BASE	MOUNTED
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NSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM AT STA 544+13.01, 54.20, RIGHT,	 NOTES: PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE. THE CABINET SHALL SUPPLY CLAMP ASS FOR MESSENGER CABLE ATTACHMENTS BASE PRELIMINARY DESIGN OF THE POLES. IF TH ATTACHMENT LOCATIONS FOR CLAMP ASSEM ARE MORE THAN 2 FEET FROM THE TOP OF POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WI FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IN TO THE INSTALLATION OF THE STEEL STRA CONTRACTOR SUPPLIED CLAMP ASSEMBLIES CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CON SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO TRAFFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIG CONTROLLER, INSTALL NEW 2" CONDUITS, MI CABINET WIRING THAT ALLOWS FOR PROPOSI- 	SNAL ODIFY	AND I ALE 1" - 20 L $B9$ C	30" × 36" TO BE PROVIDE NSTALLED BY CO EGEND EXISTING BASE CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD	MOUNTED POLE
NSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM AT STA 544+13.01, 54.20, RIGHT, WITH LED LUMINAIRE NSTALL PED HEAD & PED DETECTOR DN POLE C	 NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASS FOR MESSENGER CABLE ATTACHMENTS BASE PRELIMINARY DESIGN OF THE POLES. IF TH ATTACHMENT LOCATIONS FOR CLAMP ASSEM ARE MORE THAN 2 FEET FROM THE TOP OF POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WIN FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IN TO THE INSTALLATION OF THE STEEL STRA CONTRACTOR SUPPLIED CLAMP ASSEMBLIES CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CON SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO TRAFFIC OPERATIONS FOR APPROVAL. 3. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIG CONTROLLER, INSTALL NEW 2" CONDUITS, MC CABINET WIRING THAT ALLOWS FOR PROPOS SIGNAL AND LUMINAIRE OPERATION. 	SC ALLED A EMBLIES D ON THE BLIES THE LL OR CIDENTAL IN POLE. SHALL ON THE NTRACTOR N OF SNAL ODIFY SED	AND I ALE 1" - 20 L $B9$ $B9$ C $B9$ C	30" × 36" 5 TO BE PROVIDE NSTALLED BY CO 2 EGEND EXISTING BASE CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA	MOUNTED POLE
NSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM AT STA 544+13.01, 54.20, RIGHT, WITH LED LUMINAIRE NSTALL PED HEAD & PED DETECTOR ON POLE C EXISTING BASE MOUNTED CABINET REMOVAL ITEMS	 NOTES: PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE. THE CABINET SHALL SUPPLY CLAMP ASS FOR MESSENGER CABLE ATTACHMENTS BASE PRELIMINARY DESIGN OF THE POLES. IF TH ATTACHMENT LOCATIONS FOR CLAMP ASSEM ARE MORE THAN 2 FEET FROM THE TOP OF POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WI FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IN TO THE INSTALLATION OF THE STEEL STRA CONTRACTOR SUPPLIED CLAMP ASSEMBLIES CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CON SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO TRAFFIC OPERATIONS FOR APPROVAL. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIG CONTROLLER, INSTALL NEW 2" CONDUITS, MI CABINET WIRING THAT ALLOWS FOR PROPOSI- 	SC SC SC SC SC SC SC SC SC SC SC SC SC S	AND I ALE 1" - 20 E $B9$ C $B9$ C	30" × 36" TO BE PROVIDE NSTALLED BY CO EGEND EXISTING BASE CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA	MOUNTED POLE
NSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM AT STA 544+13.01, 54.20, RIGHT, WITH LED LUMINAIRE NSTALL PED HEAD & PED DETECTOR ON POLE C IXISTING BASE MOUNTED CABINET	 NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10° FROM SIDEWALK FOR ADA COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASS FOR MESSENGER CABLE ATTACHMENTS BASE PRELIMINARY DESIGN OF THE POLES. IF TH ATTACHMENT LOCATIONS FOR CLAMP ASSEM ARE MORE THAN 2 FEET FROM THE TOP OF POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WI FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IN TO THE INSTALLATION OF THE STEEL STRA CONTRACTOR SUPPLIED CLAMP ASSEMBLIES CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CON SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO TRAFFIC OPERATIONS FOR APPROVAL. 3. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIG CONTROLLER, INSTALL NEW 2° CONDUITS, MI CABINET WIRING THAT ALLOWS FOR PROPOS SIGNAL AND LUMINAIRE OPERATION. 4. ALL CONDUIT BETWEEN POLES AND PULL MAY BE PVC. ANY PVC PIPE UNDER ROADM MUST BE SCHEDULE 80. 5. COORDINATE LOCATION OF TURN ARROWS 	SC SC SC SC SC SC SC SC SC SC SC SC SC S	AND I ALE 1" - 20 L $B9$ C $B9$ C	30" × 36" TO BE PROVIDE NSTALLED BY CO EGEND EXISTING BASE CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA	ONTRACTOR.
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NSTALL STEEL STRAIN POLE C ////////////////////////////////////	 NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INST MAXIMUM OF 10° FROM SIDEWALK FOR ADA COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASS FOR MESSENGER CABLE ATTACHMENTS BASE PRELIMINARY DESIGN OF THE POLES. IF TH ATTACHMENT LOCATIONS FOR CLAMP ASSEM ARE MORE THAN 2 FEET FROM THE TOP OF POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WII FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IN TO THE INSTALLATION OF THE STEEL STRA CONTRACTOR SUPPLIED CLAMP ASSEMBLIES CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CON SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO TRAFFIC OPERATIONS FOR APPROVAL. 3. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIG CONTROLLER, INSTALL NEW 2° CONDUITS, MIC CABINET WIRING THAT ALLOWS FOR PROPOS SIGNAL AND LUMINAIRE OPERATION. 4. ALL CONDUIT BETWEEN POLES AND PULL MAY BE PVC. ANY PVC PIPE UNDER ROADW MUST BE SCHEDULE 80. 5. COORDINATE LOCATION OF TURN ARROWS ON PAVEMENT MARKING SHEETS WITH ENGIN MINIMIZE PLACEMENT OF ARROWS ON TRAFF 	ALLED A EMBLIES D ON THE E BLIES THE LL OR CIDENTAL IN POLE. SHALL ON THE NTRACTOR N OF SHOWN SED BOXES AYS SHOWN JEER TO TC TR	AND I ALE 1" - 20 C	30" × 36" TO BE PROVIDE NSTALLED BY CO EGEND CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED PEDESTRIAN DET SIGNAL HEAD PEDESTRIAN HEA SIGN GPS ANTENNA LOOP DETECTOR 2" RIGID STEEL (UNLESS OTHERW LUMINAIRE DIXIE HIGHV	MOUNTED MOUNTED POLE CONDUIT SE NOTED

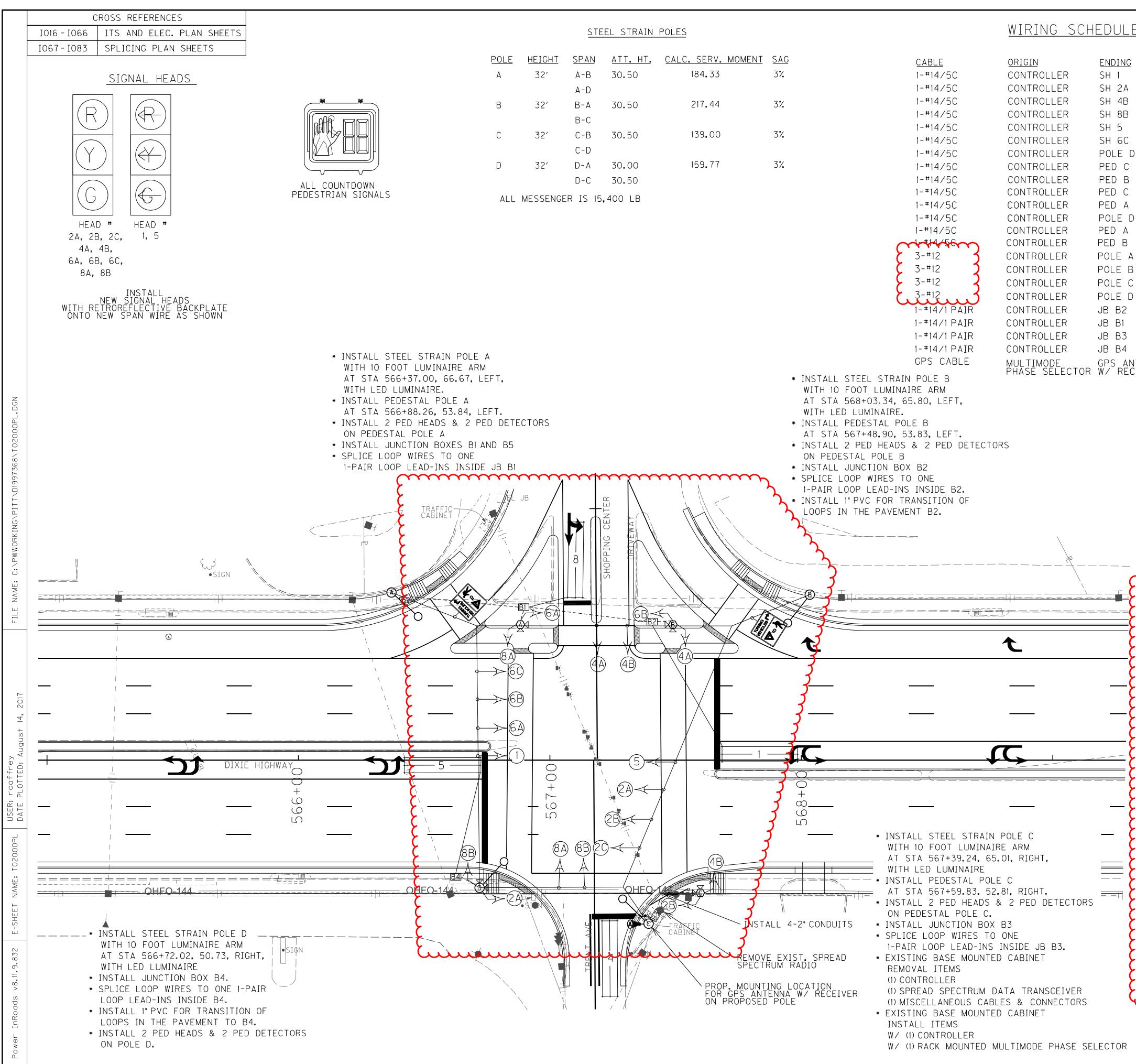
STEEL STRAIN POLES	<u>WIRING SCHEDULE</u>	COUNTY OF ITEM NO. SHEET NO. JEFFERSON 5-478.7 TO18
POLE HEIGHT SPAN ATT. HT. CALC. SERV. MOMENT SAG A 30' A-B -	3-#12CONTROLLERPOLE DLUMINAIRE51-#14/1 PAIRCONTROLLERJB B3LOOP 58A2-#14/1 PAIRCONTROLLERJB B1LOOP 8A & 8B8BGPS CABLEMULTIMODEGPS ANTENNAGPS ANTENNASATENNAPHASE SELECTORW/ RECEIVERW/ RECEIVER*LOOP S CON	LOOP SCHEDULE # OF DIST. FROM PHASE SLOT CHANNEL SIZE TURNS STOP BAR 5 I1 1 6X30 2 0 8 I6 1 6X30 2 0 8 I6 2 6X30 2 0 SPACING ASSUMES 1% GRADE EB AND -1% GRADE WB, X 30 FOOT LOOPS SHALL BE QUADRA-POLE
	JMINAIRE LUMINAIRE ARM AIN POLE B 7.78, 59.95, LEFT. HEADS & 2 PED DETECTORS POLE B.	SIGNS RIGHT TURN ON RED MUST YIELD TO U-TURN SIGN 'A' R10-30 30" × 36" NOTE: SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.
SIGN SIGN	NOTES: I. PEDESTRIAN DETECTORS SHOULD BE INSTALLED A MAXIMUM OF 10' FROM SIDEWALK FOR ADA COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES FOR MESSENGER CABLE ATTACHMENTS BASED ON THE PRELIMINARY DESIGN OF THE POLES. IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN 2 FEET FROM THE TOP OF THE POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WILL FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE STEEL STRAIN POLE. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL CONFORM TO THE SPECIFICATIONS STATED ON THE	SCALE 1" - 20' LEGEND EXISTING BASE MOUNTED CONTROLLER STEEL STRAIN POLE PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED) PEDESTRIAN DETECTOR
DIXE HIGHWAY	 * INSTALL STEEL STRAIN POLE C * INSTALL STEEL STRAIN POLE C 	SIGNAL HEAD PEDESTRIAN HEAD

POLE	<u>HEIGHT</u>	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u>
А	30'	A-B			
		A-D	28.00	98.75	3%
В	30'	B-A			
		B-C	28.50	116.85	3%
С	30′	C-B	28.50	126.41	3%
		C-D	26.50		
D	30′	D-A	28.00		3%
		D-C	26.50	109.20	
ALL	MESSENGE	R IS 10,	,800 LB		

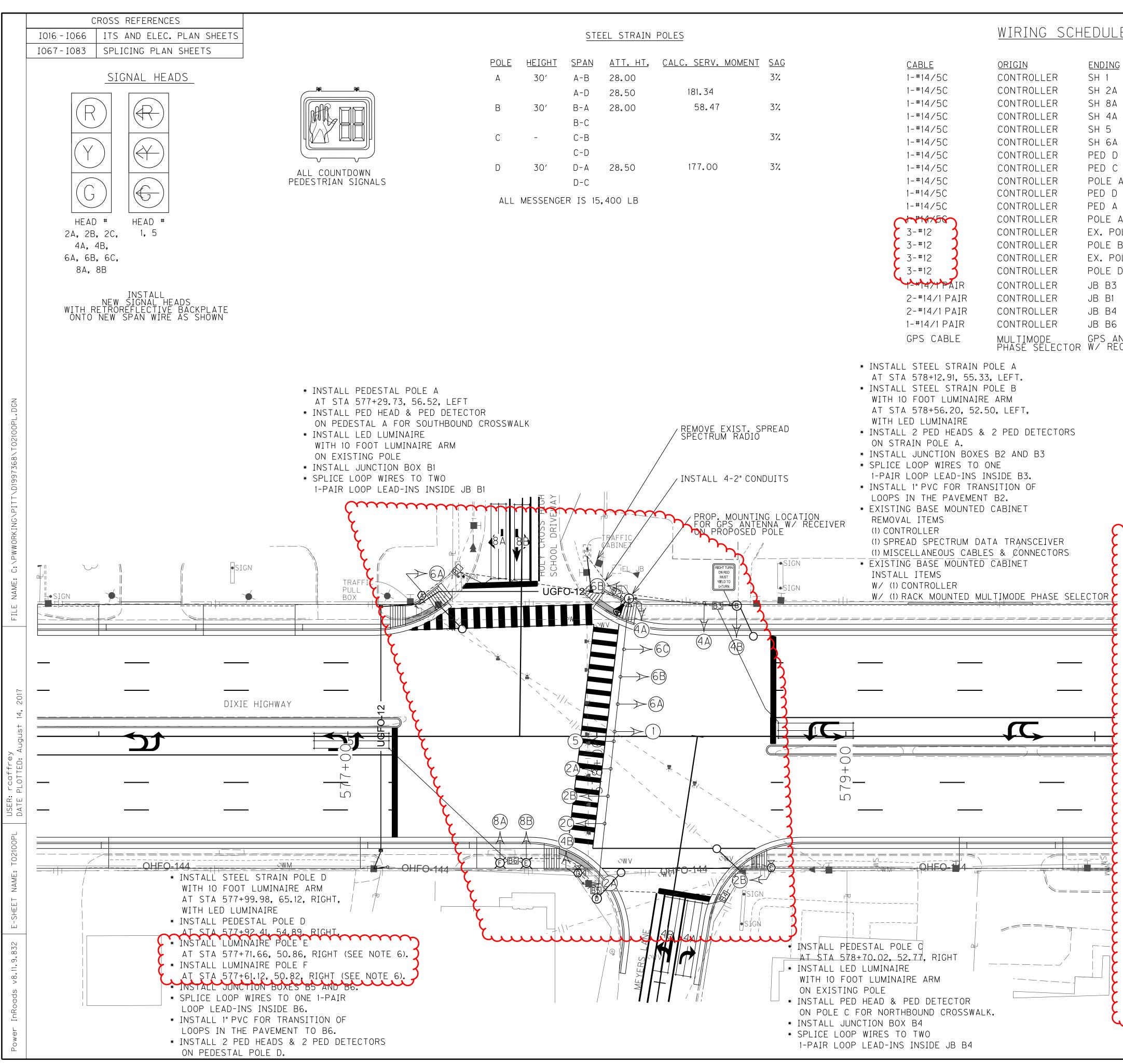


POLE	<u>HEIGHT</u>	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u>
А	30′	A-B	28.50	162.25	3%
		A-D			
В	30′	B-A	28.50	155.90	3%
		B-C			
С	30′	C-B	28.00	146.87	3%
		C-D			
D	28′	D-A	27.50	138.12	3%
		D-C			

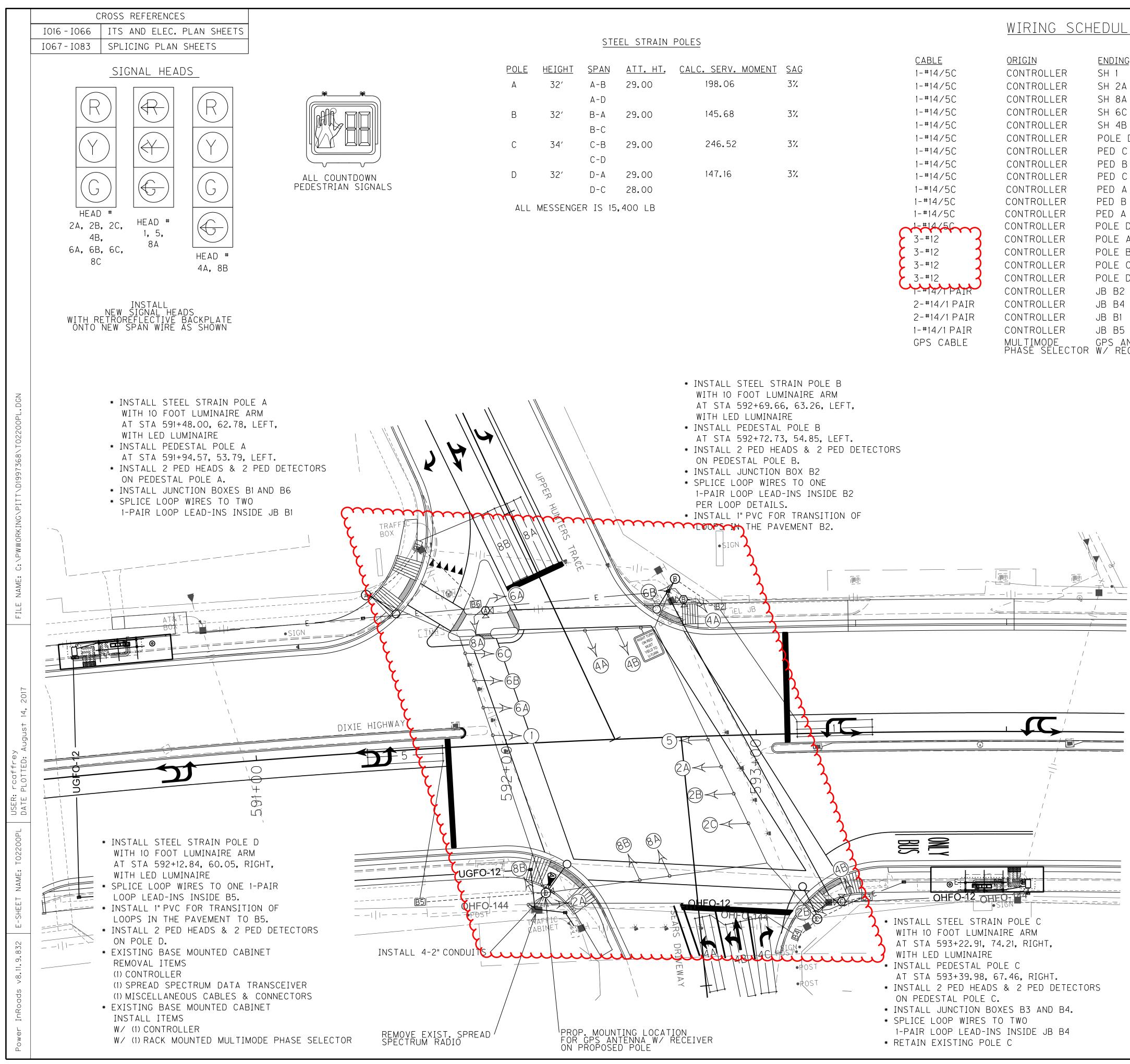
					COUNTY	OF ITEM NO.	SHEET NO.
	<u>WIRING SCI</u>	HEDULE			JEFFER		T019
<u>CABLE</u> 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C	ORIGIN CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER	ENDING SH 1 SH 2C SH 8A SH 4B SH 5 SH 6A PED D POLE C PED A	CONNECTING SH 1 SH 2A & 2B & 2C SH 8A & 8B SH 4A & 4B SH 5 SH 6A & 6B & 6C PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR				
1-#14/5C 1-#14/5C 3-#12 3-#12 3-#12 3-#12 3-#12 1-#14/1 PAIR 2-#14/1 PAIR 2-#14/1 PAIR	CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER	PED B PED B POLE C POLE A POLE B POLE C POLE D JB B2 JB B3 JB B1	PH 6B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LOOP 1 LOOP 4A & 4B LOOP 8A & 8B	LOOP PHASE 1 1 4A 4 4B 4 5 5 8A 8 8B 8	<u>LOOP SC</u> <u>SLOT CHANNEL</u> II I IG I IG 2 JI I JG 1 JG 2	# OF [DIST. FROM STOP BAR 0 0 0 0 0 0 0 0
1-#14/1 PAIR GPS CABLE DLE B	CONTROLLER MULTIMODE PHASE SELECTO	JB B5 GPS ANTENN R W/ RECEIVE	LOOP 5 IA GPS ANTENNA R W/ RECEIVER			RADE EB AND -1% G N FIELD WITH ENGI ILL BE QUADRA-POL	
ARM B B 8, LEFT.						<u>signs</u>	
PED DETECTOR 32 DNE NSIDE B2. ISITION OF B2.						RIGHT TURN ON RED MUST YIELD TO U-TURN SIGN 'A' R10-30	
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		30" × 36" GNS TO BE PROVID D INSTALLED BY C	
		<b>Č</b> MA	TES: PEDESTRIAN DETECTORS SHOULD E XIMUM OF 10" FROM SIDEWALK FOF	E INSTALLED A	<u>cale 1" - 2</u>	20′ Legend	
		2. FOI	MPLIANCE. The cabinet shall supply clan r messenger cable attachments eliminary design of the poles.	S BASED ON THE			MOUNTED
		ARI POI REF	TACHMENT LOCATIONS FOR CLAMP E MORE THAN 2 FEET FROM THE LE, THE CONTRACTOR SHALL PROV PLACEMENT CLAMP ASSEMBLIES TH	TOP OF THE IDE	$\bigcirc$	STEEL STRAIN PEDESTAL POLE	
			CILITATE THE INSTALLATION. CON PPLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEE NTRACTOR SUPPLIED CLAMP ASSEN NFORM TO THE SPECIFICATIONS S	BE INCIDENTAL _ STRAIN POLE. /BLIES SHALL	89	JUNCTION BOXE TYPE B (AS DESIGNATEE PEDESTRIAN DE	))
* REMOVE PEDES [*] * INSTALL STEEL WITH 10 FOOT		SH/	LE BASE/SIGNAL HEAD DETAILS. T ALL SUBMIT SHOP DRAWINGS OF T PLACEMENT ASSEMBLIES TO THE D AFFIC OPERATIONS FOR APPROVAL	HE DIVISION OF		SIGNAL HEAD	
AT STA 549+4 WITH LED LUM * INSTALL 2 PED ON POLE C.	45.63, 62.40, RIGHT INAIRE ) HEADS & 2 PED E		MODIFY AND RETAIN EXISTING SI BINET, WHICH INCLUDES REMOVAL NTROLLER, INSTALL NEW 2"CONDU BINET WIRING THAT ALLOWS FOR	OF SIGNAL	$\searrow \bigcirc$	PEDESTRIAN HE. SIGN	AD
	VIRES TO TWO _EAD-INS INSIDE JB E MOUNTED CABINET	B3 4.	GNAL AND LUMINAIRE OPERATION. ALL CONDUIT BETWEEN POLES AN Y BE PVC. ANY PVC PIPE UNDER ST BE SCHEDULE 80.		<b>&gt;</b>	GPS ANTENNA	2
(1) CONTROLLER	R ECTRUM DATA TRANS OUS CABLES & CON	SCEIVER 5.	COORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH NIMIZE PLACEMENT OF ARROWS ON	I ENGINEER TO		2" RIGID STEEL (UNLESS OTHER)	
R (1) SPREAD SPE (1) MISCELLANE		E DE	TECTOR LOOPS.			LUMINAIRE	



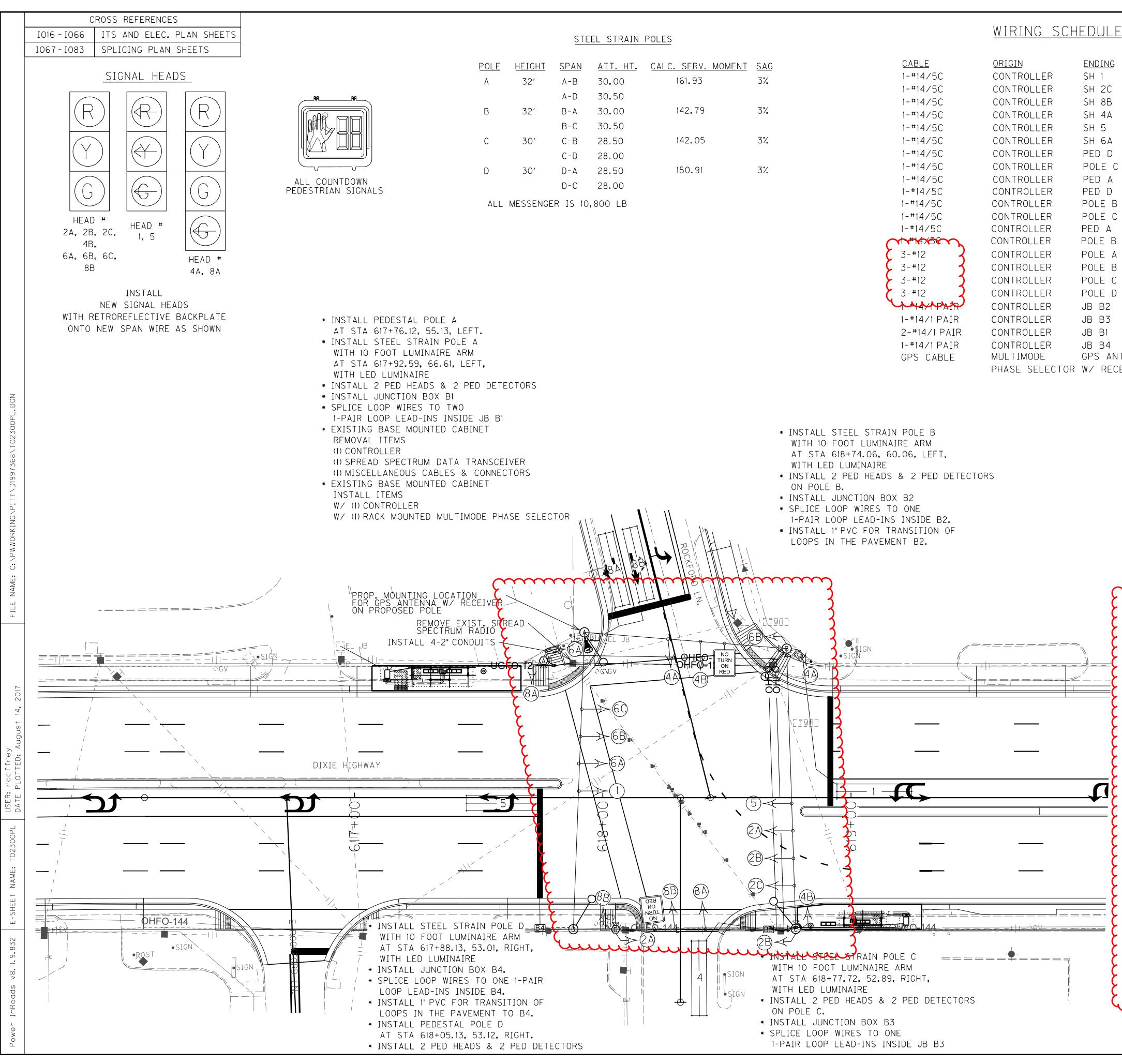
<u>E</u>		COUNTY O		SHEET NO. T020
<u>CONNECTING</u>				1020
SH 1 SH 2A & 2B & 2C SH 4A & 4B SH 8A & 8B SH 5				
SH 6A & 6B & 6C D PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR PH 6B & 1 PED DETECTOR A LUMINAIRE B LUMINAIRE C LUMINAIRE LOOP 1 LOOP 8 LOOP 4 LOOP 5 NTENNA GPS ANTENNA CEIVER W/ RECEIVER	1 1 4 4 8 8 5 5 *LOOP SPACING A CONTRACTOR	II I 6 I6 I 6 J6 I 6 J1 I 6	# OF E SIZE TURNS 5X30 2 5X30 2	
NOTES:	$\checkmark$ $1.4$		SIGNS TURNING TURNING F CENTO SIGN 'A' R10-15R 30" × 30" TO BE PROVIDE STALLED BY CO	
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CONFORM TO THE SPECIFICATIONS STATED POLE BASE/SIGNAL HEAD DETAILS. THE CO SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISIO	ONTRACTOR	$\triangleleft$	PEDESTRIAN DE	TECTOR
TRAFFIC OPERATIONS FOR APPROVAL.	3		SIGNAL HEAD	
3. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SI CONTROLLER, INSTALL NEW 2" CONDUITS, N CABINET WIDING THAT ALLOWS FOR PROPE	MODIFY		PEDESTRIAN HE	AD
CABINET WIRING THAT ALLOWS FOR PROPO SIGNAL AND LUMINAIRE OPERATION.		F	SIGN	
4. ALL CONDUIT BETWEEN POLES AND PUL MAY BE PVC. ANY PVC PIPE UNDER ROAD MUST BE SCHEDULE 80.		A	GPS ANTENNA	,
5. COORDINATE LOCATION OF TURN ARROW ON PAVEMENT MARKING SHEETS WITH ENGI MINIMIZE PLACEMENT OF ARROWS ON TRAF DETECTOR LOOPS.	INEER TO 🔾		2" RIGID STEEL (UNLESS OTHER)	CONDUIT
0′ 20′ 40′ SCALE: 1"=20′ 8	TRA TREN	O NSFORMING T AVENUE @ TRAFFIC SIG	LUMINAIRE DIXIE HIGH DIXIE HIG GNAL SHEET	WAY HWAY



				COUNTY OF	ITEM NO.	SHEET NO.
_				JEFFERSON	5-478.7	T021
<u>G</u>	CONNECTING SH 1				١	
۱ ۱	SH 2A & 2B & 2C SH 8A & 8B				A	
۱.	SH 4A & 4B SH 5					
)	SH 6A & 6B & 6C PH 2A & 1PED DETECTOR PH 2B & 1PED DETECTOR					
Â	PH 2B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR					
A	PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR		LO	OP SCHED	<u> </u>	DIST. FROM
OLE B	LUMINAIRE	<u>LOOP</u> PHAS	E <u>SLOT</u> I1	CHANNEL SIZ	E TURNS	STOP BAR
OLE D	LUMINAIRE	8A 8 8B 8	J6 J6	1 6X3 2 6X3	0 2	0
D	LOOP 1	4A 4 4B 4	I6 I6	1 6X3 2 6X3	0 2	0
	LOOP 8A & 8B LOOP 4A & 4B	5 5	JI	1 6X3(		0
NTENNA CEIVER	LOOP 5 GPS ANTENNA W/ RECEIVER			IES 1% GRADE E Verify in fiel Dops shall be		
				- 	<u>SIGNS</u>	
				R	RIGHT TURN ON RED MUST	
					YIELD TO U-TURN	
					SIGN 'A' R10-30	
NOTES		$\mathcal{M}$	NC	) TE: SIGNS TO	30" × 36" be providei	П ВҮ КҮТС
	ESTRIAN DETECTORS SHOULD BE INS UM OF 10" FROM SIDEWALK FOR ADA	STALLED A			LLED BY CO	
COMPL	IANCE.		SCALE	1" - 20′		
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ΑΤΤΑΟ	HMENT LOCATIONS FOR CLAMP ASSE ORE THAN 2 FEET FROM THE TOP C	MBLIES			ISTING BASE NTROLLER	MUUNTED
	THE CONTRACTOR SHALL PROVIDE CEMENT CLAMP ASSEMBLIES THAT W	ILL		$\bigcirc$		
REPLA				STI	eel strain	POLE
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<ul> <li>a. B. A. P. 400 36.0 30</li> <li>b. A. B. 200 46.0 30</li> <li>c. B. B. 200 46.0 30</li> <li>c. B. B. 200 46.0 30</li> <li>c. B. 200 46.0 30</li> <li>c. B. 200 26.0 30</li> <lic. 200="" 26.0="" 30<="" b.="" li=""> <li>c.</li></lic.></ul>				
	STEFI STRAIN POLES	WIRING SCHEDUL	<u> </u>	
<ul> <li>PILE IN CALL DEVICE TANK</li> <li>PILE IN CALL DEVICE TANK</li> <li>PILE IN CALL DEVICE TO THE CONTROL OF THE CONTROL OF</li></ul>	POLE       HEIGHT       SPAN       ATT. HT.       CALC. SERV. MOMENT       SAG         A       32'       A-B       29.00       198.06       3'.         B       32'       B-A       29.00       145.68       3'.         B       32'       B-A       29.00       145.68       3'.         C       34'       C-B       29.00       246.52       3'.         D       32'       D-A       29.00       147.16       3'.	1-#14/5CCONTROLLERSH 11-#14/5CCONTROLLERSH 2A1-#14/5CCONTROLLERSH 8A1-#14/5CCONTROLLERSH 6C1-#14/5CCONTROLLERSH 4E1-#14/5CCONTROLLERPOLE1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPED 6C1-#14/5CCONTROLLERPOLE3-#12CONTROLLERPOLE3-#12CONTROLLERPOLE3-#12CONTROLLERPOLE3-#12CONTROLLERPOLE2-#14/1 PAIRCONTROLLERJB B22-#14/1 PAIRCONTROLLERJB B11-#14/1 PAIRCONTROLLERJB B5	SH 1ASH 2A & 2B & 2CASH 8A & 8BCSH 6A & 6B & 6CBSH 4A & 4BDPH 2A & 1 PED DETECTORCPH 2B & 1 PED DETECTORBPH 4A & 1 PED DETECTORCPH 4B & 1 PED DETECTORCPH 6A & 1 PED DETECTORAPH 6A & 1 PED DETECTORBPH 6B & 1 PED DETECTORCPH 8B & 1 PED DETECTORAPH 8B & 1 PED DETECTORALUMINAIREBLUMINAIREBLUMINAIRECLOOP 1CLOOP 4A & 4BCLOOP 5ALOOP 5ATENNACPS ANTENNACETVERW/ PECETVER	LOOP SCHEDULE# OFDIST. FROMMASESLOTCHANNELSIZETURNSSTOP BAR1II16X302008J616X304I616X304I616X304I616X305JI16X306207116X30816X302901916X3029019119119119119119119119119119119119119119119119119119119119119119119119119119119119119119119119 </td
A Constant state strain processing of the second strain p	WITH 10 FOOT LUMINAIRE ARM AT STA 592+69.66, 63.26, LEFT, WITH LED LUMINAIRE INSTALL PEDESTAL POLE B AT STA 592+72.73, 54.85, LEFT. INSTALL 2 PED HEADS & 2 PED DETEC ON PEDESTAL POLE B. INSTALL JUNCTION BOX B2 SPLICE LOOP WIRES TO ONE 1-PAIR LOOP LEAD-INS INSIDE B2 PER LOOP DETAILS. INSTALL 1" PVC FOR TRANSITION OF LOOPS IN THE PAVEMENT B2. SIGN		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE INSTALLED A MAXIMUM OF 10" FROM SIDEWALK FOR ADA	SIGNS RIGHT TURN ON RED MUST YIELD TO UTURN SIGN 'A' RIO-30 30" × 36" NOTE: SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR. SCALE 1" - 20'
		<ul> <li>INSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM AT STA 593+22.91, 74.21, RIGHT, WITH LED LUMINAIRE</li> <li>INSTALL PEDESTAL POLE C AT STA 593+39.98, 67.46, RIGHT.</li> <li>INSTALL 2 PED HEADS &amp; 2 PED DETECTORS ON PEDESTAL POLE C.</li> <li>INSTALL JUNCTION BOXES B3 AND B4.</li> </ul>	<ol> <li>THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES FOR MESSENGER CABLE ATTACHMENTS BASED ON THE PRELIMINARY DESIGN OF THE POLES. IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN 2 FEET FROM THE TOP OF THE POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WILL FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE STEEL STRAIN POLE. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL CONFORM TO THE SPECIFICATIONS STATED ON THE POLE BASE/SIGNAL HEAD DETAILS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISION OF TRAFFIC OPERATIONS FOR APPROVAL.</li> <li>MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIGNAL CONTROLLER, INSTALL NEW 2° CONDUITS, MODIFY CABINET WIRING THAT ALLOWS FOR PROPOSED SIGNAL AND LUMINAIRE OPERATION.</li> <li>ALL CONDUIT BETWEEN POLES AND PULL BOXES MAY BE PVC. ANY PVC PIPE UNDER ROADWAYS MUST BE SCHEDULE 80.</li> <li>COORDINATE LOCATION OF TURN ARROWS SHOWN ON PAVEMENT MARKING SHEETS WITH ENGINEER TO MINIMIZE PLACEMENT OF ARROWS ON TRAFFIC DETECTOR LOOPS.</li> </ol>	EXISTING BASE MOUNTED         CONTROLLER         STEEL STRAIN POLE         PEDESTAL POLE         JUNCTION BOXES         TYPE B         (AS DESIGNATED)         PEDESTRIAN DETECTOR         PEDESTRIAN HEAD         PEDESTRIAN HEAD         FIGN         GPS ANTENNA         LOOP DETECTOR         2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)         UMINAIRE

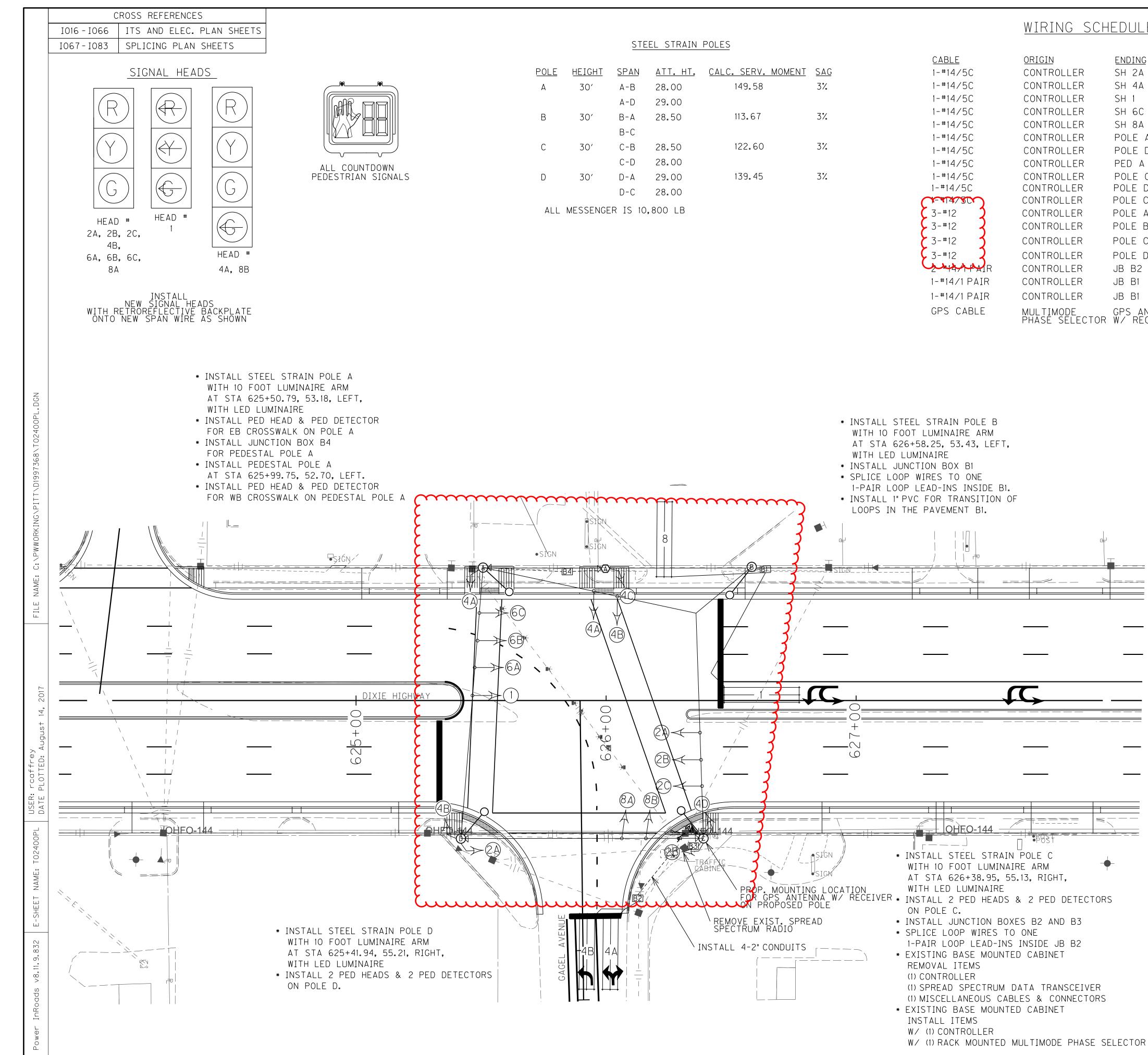


	<u>ste</u>	<u>el strain</u>	POLES			WIRIN
T	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	SAG	CABLE	ORIGIN
	A-B	30.00	161.93	3%	1-#14/5C	CONTROL
	AD	50.00	101.33	57.	1-#14/50	CONTROL

	A-D	30.50		
32′	B-A	30.00	142.79	3%
	B-C	30.50		
30′	C-B	28.50	142.05	3%
	C-D	28.00		
30′	D-A	28.50	150.91	3%

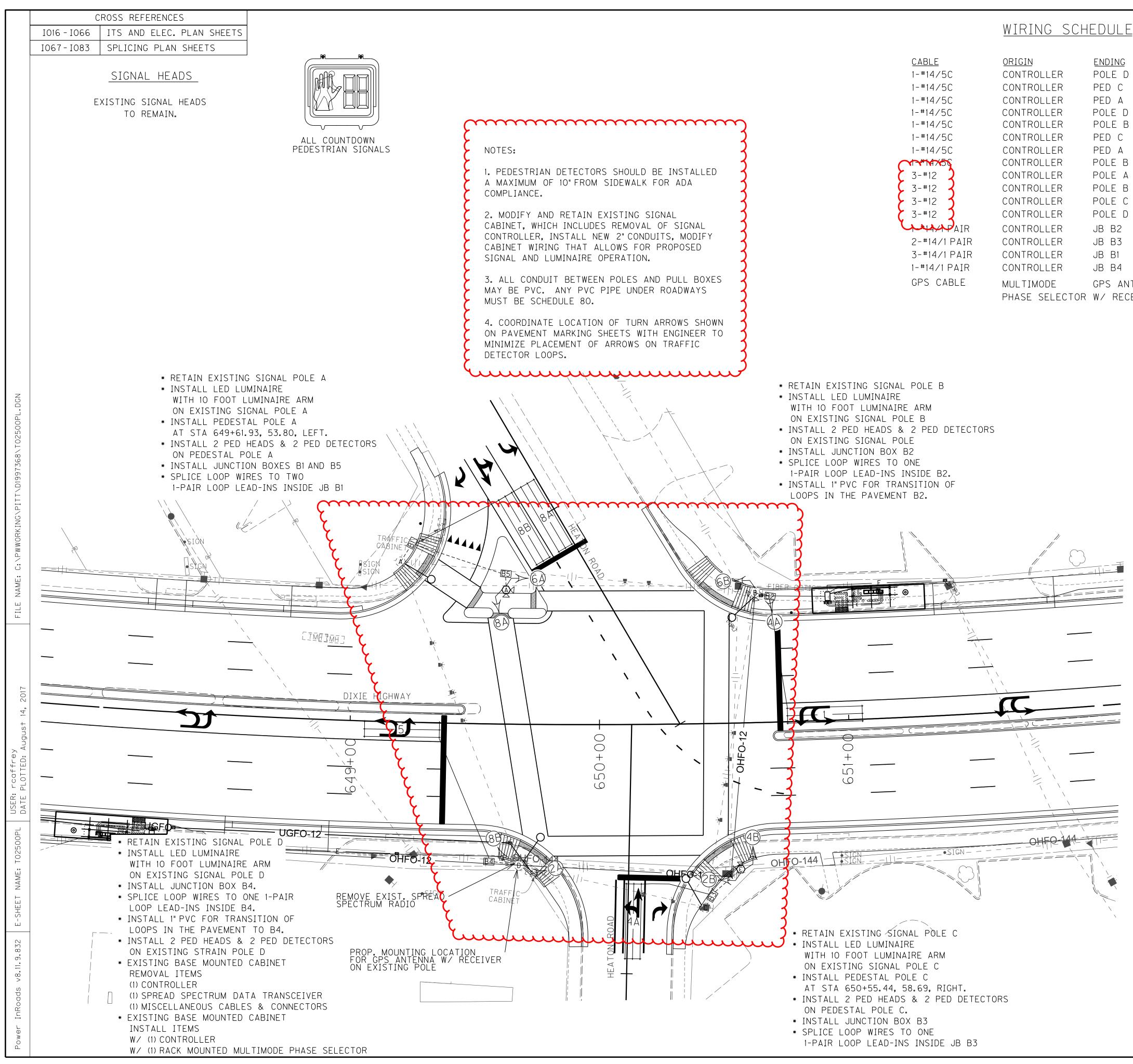
C	CONTROLLER	511 1
С	CONTROLLER	SH 2
С	CONTROLLER	SH 8
С	CONTROLLER	SH 4
С	CONTROLLER	SH 5
С	CONTROLLER	SH 6
С	CONTROLLER	PED
С	CONTROLLER	POLE
С	CONTROLLER	PED
С	CONTROLLER	PED
C	CONTROLLER	POLE
C	CONTROLLER	POLE
	CONTROLLER	PED
	CONTROLLER	POLE
く	CONTROLLER	POLE
5	CONTROLLER	POLE
5	CONTROLLER	POLE
2	CONTROLLER	POLE
AR	CONTROLLER	JB B
PAIR	CONTROLLER	JB B
PAIR	CONTROLLER	JB B
PAIR	CONTROLLER	JB B
BLE	MULTIMODE	GPS

_					COUNTY	OF	ITEM NO.	SHEET NO.
					JEFFERS	N	5-478.7	T023
	<u>Connecting</u> Sh 1							
	SH 2A & 2B & 2C         SH 8A & 8B         SH 4A & 4B         SH 5         SH 6A & 6B & 6C         PH 2A & 1 PED DETECTOR         PH 2B & 1 PED DETECTOR         PH 8A & 1 PED DETECTOR         PH 8B & 1 PED DETECTOR         PH 4A & 1 PED DETECTOR         PH 4B & 1 PED DETECTOR         PH 6A & 1 PED DETECTOR         PH 6B & 1 PED DETECTOR	<u>LOOP</u> <u>F</u> 1 4	<u>HASE</u> S 1		<u>OP SCH</u> <u>channel</u> 1	HEDL <u>SIZE</u> 6X30 6X30		DIST. FROM STOP BAR 0 0
NTENNA CEIVER	LUMINAIRE LUMINAIRE LOOP 1 LOOP 4 LOOP 8A & 8B LOOP 5 GPS ANTENNA W/ RECEIVER		8 8 5 PACING TRACTOR	J6 J6 J1 ASSUM TO N		6X30 6X30 6X30 DE EB FIELD	2 2 2 AND -1% ( WITH ENGI QUADRA-POI	O O O RADE WB, NEER
NOTES	••••••••••••••••••••••••••••••••••••••	•••••			AND IN	TU SIC RIC 30' TO BE	NO JRN DN ED GN 'A' D-11a ' x 36" E PROVIDED ED BY CON	
	DESTRIAN DETECTORS SHOULD BE INS MUM OF 10"FROM SIDEWALK FOR ADA		<u>SCA</u>	ALE_	1" - 20	)' Legei		
	LIANCE.		3				TING BASE	MOUNTED
FOR N PRELI ATTA	E CABINET SHALL SUPPLY CLAMP AS MESSENGER CABLE ATTACHMENTS BAS IMINARY DESIGN OF THE POLES. IF T CHMENT LOCATIONS FOR CLAMP ASSE MORE THAN 2 FEET FROM THE TOP O	ED ON THE HE MBLIES	~~~~~				ROLLER L STRAIN	POLE
REPL/ FACIL SUPPI TO T	, THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT W _ITATE THE INSTALLATION. CONTRACT LIED CLAMP ASSEMBLIES SHALL BE I HE INSTALLATION OF THE STEEL STR	TOR NCIDENTAL Rain Pole.			<b>B</b> 9	JUNC TYPE	STAL POLE TION BOXE B Designatei	S
CONF POLE SHALI	RACTOR SUPPLIED CLAMP ASSEMBLIES ORM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CO L SUBMIT SHOP DRAWINGS OF THE ACEMENT ASSEMBLIES TO THE DIVISI	) ON THE ONTRACTOR	~~~~~	0	$\Diamond \\ \bigcirc \checkmark$		STRIAN DE Al head	TECTOR
TRAFI	FIC OPERATIONS FOR APPROVAL.		3		$\geq$	סרסר		
CABIN	DDIFY AND RETAIN EXISTING SIGNAL NET, WHICH INCLUDES REMOVAL OF SI Roller, Install NEW 2" conduits, N		3			PEDE	STRIAN HE	AU
CABIN	NOLLER, INSTALL NEW 2 CONDOITS, T NET WIRING THAT ALLOWS FOR PROPO AL AND LUMINAIRE OPERATION.		1				ANTENNA	
MAY	L CONDUIT BETWEEN POLES AND PUL BE PVC. ANY PVC PIPE UNDER ROAD						DETECTOR	2
5. CC ON P. MINIM	BE SCHEDULE 80. Dordinate location of turn arrow Avement marking sheets with engi Mize placement of arrows on traf Ctor loops.	INEER TO				(UNL	GID STEEL ESS OTHER' NAIRE	CONDUIT WISE NOTED)
	20′ 40′ SCALE: 1"=20′ 8	¶	TRA ROCKF	ORD	LANE @	∂ DI	IE HIGH XIE HIG _ SHEET	HWAY



POLE	HEIGHT	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u>
А	30′	A-B	28.00	149.58	3%
		A-D	29.00		
В	30′	B-A	28.50	113.67	3%
		B-C			
С	30′	C-B	28.50	122.60	3%
		C-D	28.00		
D	30′	D-A	29.00	139.45	3%
		D-C	28.00		

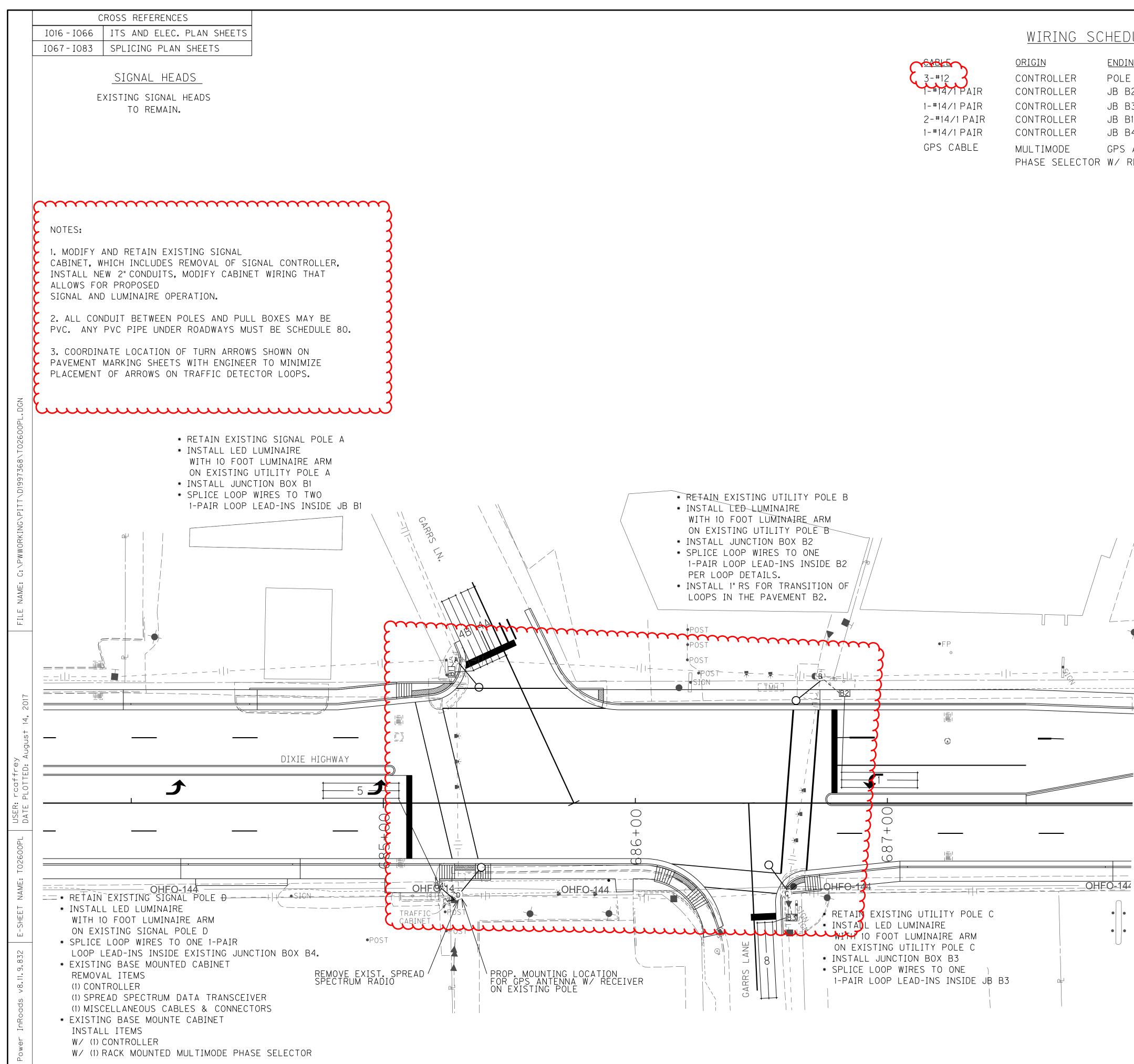
					COUNTY OF	ITEM NO.	SHEET NO.
	<u>wiring sch</u>	HEDULE			JEFFERSON	5-478.7	T024
<u>CABLE</u> 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 3-#12 3-#12 3-#12 3-#12 3-#12 3-#12 3-#12 3-#12 3-#12 3-#12 GPS CABLE	ORIGIN CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER MULTIMODE PHASE SELECTOR	ENDING SH 2A SH 4A SH 1 SH 6C SH 8A POLE A POLE D POLE D POLE C POLE C POLE A POLE C POLE A POLE B POLE C POLE B POLE C POLE D JB B2 JB B1 JB B1 GPS ANTEN	CONNECTING SH 2A & 2B & 2C SH 4A & 4B SH 1 SH 6A & 6B & 6C SH 8A & 8B PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR PH 4C & 1 PED DETECTOR PH 4D & 1 PED DETECTOR PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 2B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LOOP 4A & 4B LOOP 1 LOOP 8 NA GPS ANTENNA ER W/ RECEIVER	CONTRAC	<u>SLOT</u> <u>CHANNEL</u> S I6 1 6X I6 2 6X J6 1 6X	IZE     TURNS     S       30     2       30     2       30     2       30     2       30     2       30     2       EB     AND       ELD     WITH	IEER
STRAIN POLE B LUMINAIRE ARM 8.25, 53.43, LEFT, NAIRE ION BOX B1							
EAD-INS INSIDE B1. For transition o			OTES:	·····}			
AD-INS INSIDE B1. For transition o		N	OTES: . PEDESTRIAN DETECTORS SHOULD B MAXIMUM OF 10" FROM SIDEWALK FOR	E INSTALLED A	<u>cale 1" - 20'</u>		
AD-INS INSIDE B1. For transition o		N	OTES: . PEDESTRIAN DETECTORS SHOULD B	E INSTALLED A	LE	EGEND	
AD-INS INSIDE B1. For transition o		N N N N N N C C C C C C C C C C C C C C	OTES: PEDESTRIAN DETECTORS SHOULD B MAXIMUM OF 10"FROM SIDEWALK FOR OMPLIANCE. . THE CABINET SHALL SUPPLY CLAN OR MESSENGER CABLE ATTACHMENTS RELIMINARY DESIGN OF THE POLES.	E INSTALLED A ADA SIP ASSEMBLIES BASED ON THE IF THE			MOUNTED
EAD-INS INSIDE B1. For transition o		N	PEDESTRIAN DETECTORS SHOULD B MAXIMUM OF 10"FROM SIDEWALK FOR OMPLIANCE. RELIMINARY DESIGN OF THE POLES. TTACHMENT LOCATIONS FOR CLAMP RE MORE THAN 2 FEET FROM THE T OLE, THE CONTRACTOR SHALL PROVI	E INSTALLED A ADA P ASSEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE IDE		EGEND Existing base	
IRES TO ONE EAD-INS INSIDE BI. FOR TRANSITION O PAVEMENT BI.	POLE C IRE ARM 5.13, RIGHT, & 2 PED DETECTOR XES B2 AND B3 O ONE 5 INSIDE JB B2	N I. M C 2 F P A A P R F S T C C P S T C C P S T C C C C C C C C C C C C C	OTES: PEDESTRIAN DETECTORS SHOULD B MAXIMUM OF 10"FROM SIDEWALK FOR OMPLIANCE. THE CABINET SHALL SUPPLY CLAN OR MESSENGER CABLE ATTACHMENTS RELIMINARY DESIGN OF THE POLES. TTACHMENT LOCATIONS FOR CLAMP RE MORE THAN 2 FEET FROM THE T	E INSTALLED A ADA SEMBLIES BASED ON THE IF THE ASSEMBLIES OP OF THE IDE AT WILL RACTOR BE INCIDENTAL STRAIN POLE. BLIES SHALL TATED ON THE HE CONTRACTOR HE IVISION OF SIGNAL TS, MODIFY PROPOSED D PULL BOXES ROADWAYS		EGEND Existing base Controller	OLE
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	ΡН	2B	&	1 PED	DETECTOR
	ΡН	8A	&	1 PED	DETECTOR
	ΡН	8B	&	1 PED	DETECTOR
,	ΡН	4 A	&	1 PED	DETECTOR
	ΡH	4B	&	1 PED	DETECTOR
	ΡH	6A	&	1 PED	DETECTOR
	ΡН	6B	&	1 PED	DETECTOR
	LUN	/IN/	١R	E	
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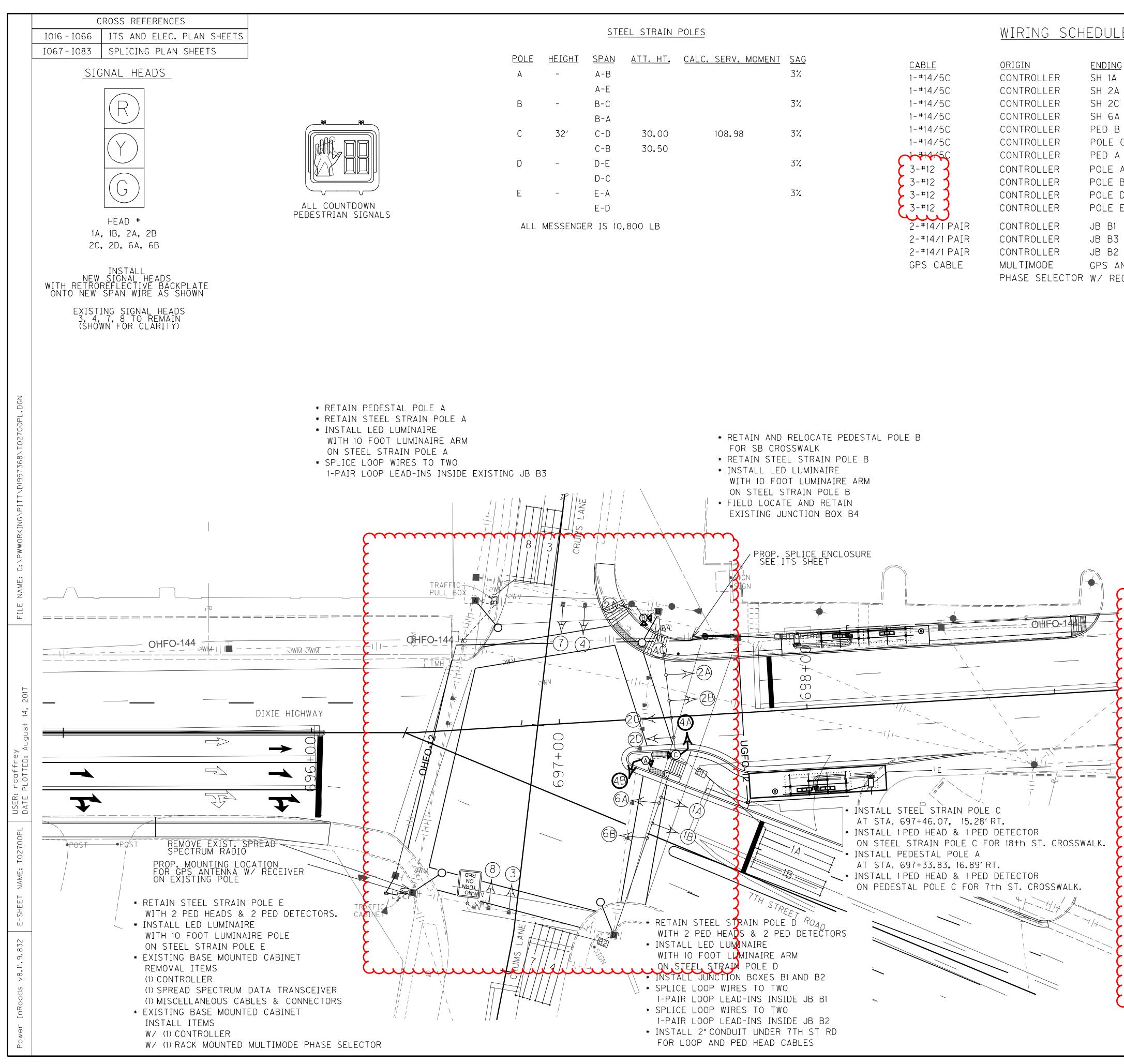
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		B9	ΤΥΡΕ	TION BOXES B DESIGNATED	
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40' SCALE: 1"=20' 8 20′



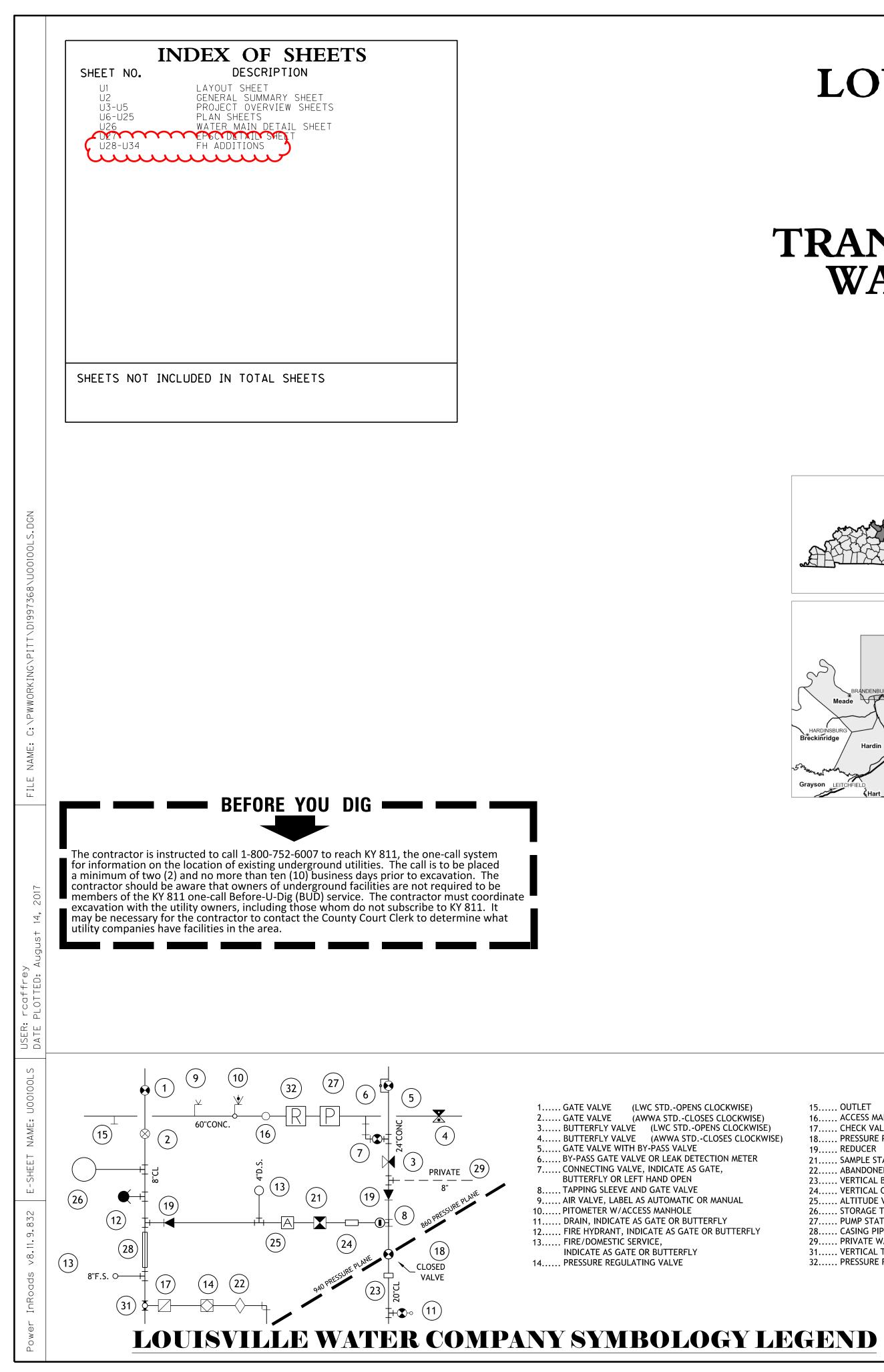


CONTROLLERJB B2LOOP 1CONTROLLERJB B3LOOP 8CONTROLLERJB B1LOOP 4A & 4BCONTROLLERJB B4LOOP 5				COUNTY OF ITEM NO. SHEET	NO.
CONTROLLER       PS E CONTROLLER       M E SU LUMINORE         CONTROLLER       M E DU LUCCOR       LCC 2 A A A DU         CONTROLLER       M E DU LUCCOR       LCC 2 A A A DU         CONTROLLER       M E DU LUCCOR       X / RECEIVER         MULTINODE       CONTROLLER       M E DU LUCCOR         CONTROLLER       M E DU LUCCOR       X / RECEIVER         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       X / RECEIVER       SIGN RAT         M E DU LUCCOR       SIGN RAT       SIGN RAT         M E DU LUCCOR				JEFFERSON 5-478.7 TO	26
Image: State Product         S	CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER MULTIMODE	POLE D JB B2 JB B3 JB B1 JB B4 GPS ANTENNA	LUMINAIRE LOOP 1 LOOP 8 LOOP 4A & 4B LOOP 5 GPS ANTENNA		
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LEGEND EXISTING BASE MOUNTED CONTROLLER STEEL STRAIN POLE UPEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED) V PEDESTRIAN DETECTOR SIGNAL HEAD PEDESTRIAN HEAD PEDESTRIAN HEAD SIGN COP DETECTOR COP DETECTOR COP DETECTOR COP DETECTOR CONDUIT CUNLESS OTHERWISE NOTED) CUMINAIRE					Β,
EXISTING BASE MOUNTED CONTROLLER     STEEL STRAIN POLE     D     PEDESTAL POLE     JUNCTION BOXES     TYPE B     (AS DESIGNATED)     O     PEDESTRIAN DETECTOR     SIGNAL HEAD     PEDESTRIAN HEAD     H     SIGN     GPS ANTENNA     LOOP DETECTOR     C'RIGID STEEL CONDUIT     (UNLESS OTHERWISE NOTED)     O     LUWINAIRE				<u>SCALE 1" - 20'</u>	
CUERT CONTROLLER CUERT CONTROLLER CUERT CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER				EXISTING BASE MOUNTE	D
<ul> <li>PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED)</li> <li>PEDESTRIAN DETECTOR</li> <li>→ O SIGNAL HEAD</li> <li>→ O PEDESTRIAN HEAD</li></ul>				CONTROLLER	
↓       PEDESTRIAN DETECTOR         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓         ↓       ↓				PEDESTAL POLE JUNCTION BOXES TYPE B	
OHEO144      PEDESTRIAN HEAD F SIGN GPS ANTENNA LOOP DETECTOR 2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED) UMINAIRE					
OHEO-144 • • • • • • • • • • • • • • • • • • •				SIGNAL HEAD	
GPS ANTENNA COP DETECTOR 2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED) UMINAIRE				PEDESTRIAN HEAD	
• • • • • • • • • • • • • • • • • • •					
2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED) UUMINAIRE	 	<u>- + -</u> <u>+EQ-144</u>		⊢ SIGN	
UNLESS OTHERWISE NOTED	O	<u>HEO-144</u>			
TRANSFORMING DIXIE HIGHWAY	O	<u>+EO-144</u> •		GPS ANTENNA LOOP DETECTOR	_
		• • • •		GPS ANTENNA LOOP DETECTOR 2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOT	



				COUNTY OF	ITEM NO.	SHEET NO.
STEEL STRAIN POLES	<u>WIRING SCHEDU</u>	<u>LE</u>		JEFFERSON		T027
POLE       HEIGHT       SPAN       ATT. HT.       CALC. SERV. MOMENT       SAG         A       -       A-B       3%       3%         A-E       B       -       B-C       3%         B       -       B-C       3%       3%         C       32'       C-D       30.00       108.98       3%         C       32'       C-D       30.50       3%         D       -       D-E       3%         D-C       E       -       3%         E-D       -       3%         ALL       MESSENGER IS 10,800 LB       -		A SH 1A & SH 1B A SH 2A & SH 2B C SH 2C & SH 2D A SH 6A & SH 6B B PH 4C & 1 PED DETECTOR C PH 4A & 1 PED DETECTOR A PH 4B & 1 PED DETECTOR A LUMINAIRE B LUMINAIRE D LUMINAIRE E LUMINAIRE I LOOP 1A & 1B 3 LOOP 4 & 7 2 LOOP 3 & 8 ANTENNA GPS ANTENNA	LOOP PHA 1A 1 1B 1 3 3 4 4	I1 1 6 I1 2 6 I3 1 6 I6 1 6	# OF     DF       SIZE     TURNS       X30     2	DIST. FROM STOP BAR 0 0 0 0
	PHASE SELECTOR W/ R	ECEIVER W/ RECEIVER	7 7 8 8		X30 2 X30 2	0 0
				CING ASSUMES 1% GRADE Actor to verify in fi 30 foot loops shall		
					SIGNS	
* RETAIN AND RELOCATE PEDESTA FOR SB CROSSWALK	AL POLE B				NO TURN	
* RETAIN STEEL STRAIN POLE B * INSTALL LED LUMINAIRE					ON RED	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B					SIGN 'A' R10-11a	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4				NOTE: SIGNS	R10-11a 30" × 36"	D BY KYTC
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B					R10-11a	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•••••		R10-11a 30" × 36" TO BE PROVIDE	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES:	3	AND IN	R10-11a 30" x 36" TO BE PROVIDE STALLED BY CO	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4	E OHFO-14	NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD	NSTALLED A	and in Scale 1" - 20'	R10-11a 30" x 36" TO BE PROVIDE STALLED BY CO	
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP A	NSTALLED A	AND IN SCALE 1" - 20' Le	R10-11a 30" × 36" TO BE PROVIDE STALLED BY CO	NTRACTOR.
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP A FOR MESSENGER CABLE ATTACHMENTS BA PRELIMINARY DESIGN OF THE POLES. IF ATTACHMENT LOCATIONS FOR CLAMP ASS	ASSEMBLIES ASED ON THE THE SEMBLIES	AND IN <u>SCALE 1" - 20'</u> LE	R10-11a 30" × 36" TO BE PROVIDE STALLED BY CO STALLED BY CO EGEND EXISTING BASE	NTRACTOR. MOUNTED
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP A FOR MESSENGER CABLE ATTACHMENTS BA PRELIMINARY DESIGN OF THE POLES. IF ATTACHMENT LOCATIONS FOR CLAMP ASS ARE MORE THAN 2 FEET FROM THE TOP POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT	NSTALLED A ASSEMBLIES ASED ON THE THE SEMBLIES OF THE WILL	AND IN <u>SCALE 1" - 20'</u> <u>LE</u> <u>SCALE 1" - 20'</u> <u>LE</u> <u>SCALE 1" - 20'</u> <u>LE</u> <u>SCALE 1</u> <u>- 20'</u> <u>SCALE 1</u>	R10-11a 30" × 36" TO BE PROVIDE STALLED BY CO STALLED BY CO STALLED BY CO STALLED BY CO	NTRACTOR. MOUNTED POLE
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP A FOR MESSENGER CABLE ATTACHMENTS BA PRELIMINARY DESIGN OF THE POLES. IF ATTACHMENT LOCATIONS FOR CLAMP ASS ARE MORE THAN 2 FEET FROM THE TOP POLE, THE CONTRACTOR SHALL PROVIDE	ASSEMBLIES ASED ON THE THE SEMBLIES OF THE WILL CTOR INCIDENTAL	AND IN SCALE 1" - 20 LE SCALE 1" - 20 LE B9	R10-11a 30" × 36" TO BE PROVIDE STALLED BY CO STALLED BY CO STALLED BY CO STALLED BY CO STEEL STRAIN F	NTRACTOR. MOUNTED POLE S
WITH 10 FOOT LUMINAIRE ARM ON STEEL STRAIN POLE B * FIELD LOCATE AND RETAIN EXISTING JUNCTION BOX B4		NOTES: 1. PEDESTRIAN DETECTORS SHOULD BE IN MAXIMUM OF 10" FROM SIDEWALK FOR AD COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP A FOR MESSENGER CABLE ATTACHMENTS BA PRELIMINARY DESIGN OF THE POLES. IF ATTACHMENT LOCATIONS FOR CLAMP ASS ARE MORE THAN 2 FEET FROM THE TOP POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT FACILITATE THE INSTALLATION. CONTRAC SUPPLIED CLAMP ASSEMBLIES SHALL BE TO THE INSTALLATION OF THE STEEL ST CONTRACTOR SUPPLIED CLAMP ASSEMBLI CONFORM TO THE SPECIFICATIONS STAT POLE BASE/SIGNAL HEAD DETAILS. THE	ASSEMBLIES ASED ON THE THE SEMBLIES OF THE WILL CTOR INCIDENTAL TRAIN POLE. ES SHALL ED ON THE	AND IN SCALE 1" - 20' LE LE SCALE 1" - 20' LE SCALE 1" - 20' LE SCALE 1" - 20' LE SCALE 1" - 20' LE	R10-11a 30" × 36" TO BE PROVIDED STALLED BY CO GEND EXISTING BASE CONTROLLER STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B	NTRACTOR. MOUNTED POLE S
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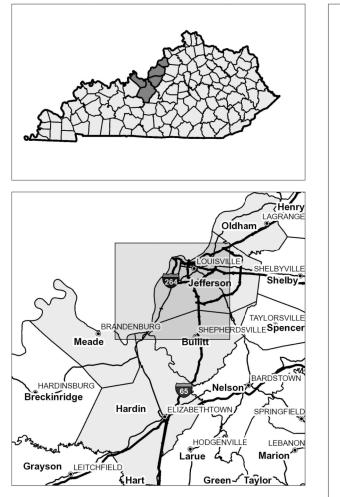
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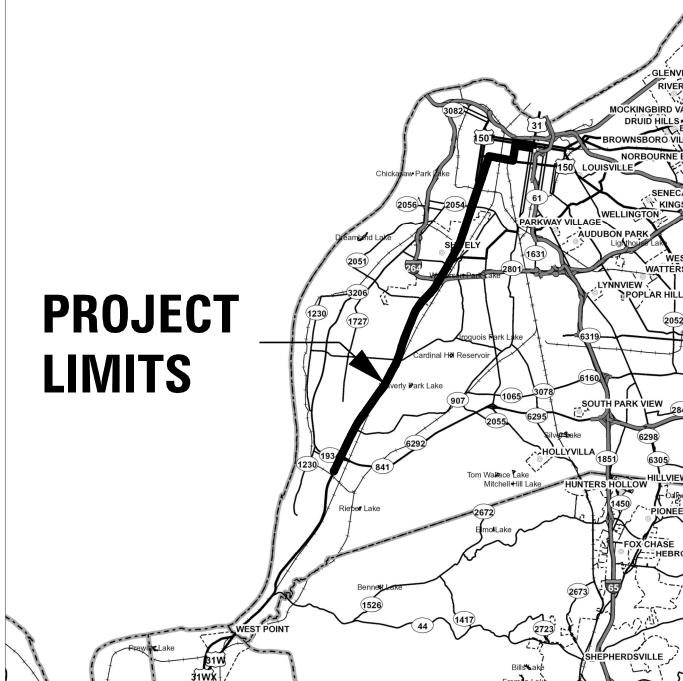


# LOUISVILLE WATER COMPA

# PLANS OF **PROPOSED PROJECT** TRANSFORMING DIXIE HIGHV WATER RELOCATION PLAN

056 0031 013–016 056 0031 004–020 **TGR 0311 034** 





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E AS GATE OR BUTTERFLY
UTTERFLY
VALVE

15..... OUTLET 16..... ACCESS MANHOLE 17..... CHECK VALVE 18..... PRESSURE PLANE BOUNDARY VALVE 19..... REDUCER 21..... SAMPLE STATION 22..... ABANDONED VALVE 23..... VERTICAL BEND 24..... VERTICAL OFFSET 25..... ALTITUDE VALVE 26..... STORAGE TANK 27..... PUMP STATION 28..... CASING PIPE 29..... PRIVATE WATER MAIN 31..... VERTICAL TEE 32..... PRESSURE REDUCING STATION

## LAYOUT MAP

	COUNTY OF	ITEM NO.	SHEET NO
NY	JEFFERSON	5-487.7	U001
YAY			
5			
		J	
Vutite Pond			
VALLEYTEN BROECK PRTHORNHILL NCROET HILLS WESTWOOD OSSGATE MOORLAND LYNDON			
HLAWN NORWOOD			
NS THURSTBOURNE SCAMBRIDGE USHIREFOREST HILLS			
HOUSTON ACRES			
1747			
PHOLLOW CREEK SPRING MILL 6161 VIII			
6322			
HERITAGE CREEK			
(1442)			
LOUISVILLE WATER COMPANY	-		
COUNTY OF			Z
JEFFERSON			
ITEM NO. 5-478.7	_		
ITEM NO. 5-478.7 PROJECT NUMBER: 056 0031 013-016 056 0031 004-020 TGR 0311 034	-		
ITEM NO. 5-478.7 PROJECT 056 0031 013-016 056 0031 004-020 TGR 0311 034 LETTING DATE: AUGUST 2017			
ITEM NO. 5-478.7 PROJECT NUMBER: 056 0031 013-016 056 0031 004-020 TGR 0311 034			

ITEM	DESCRIPTION ③
14021	W FIRE HYDRANT REMOVE (4)
14036	W PIPE DUCTILE IRON 06 INCH
14037	W PIPE DUCTILE IRON 08 INCH
14039	W PIPE DUCTILE IRON 12 INCH W PIPE DCTL IRON RSTRND JOINT 12 IN
14050	W TIE-IN 08 INCH
14097	W TIE-IN 12 INCH (2)
14105	W VALVE OG INCH
14106	W VALVE O8 INCH
14108	W VALVE 12 INCH
14156	W METER REMOVE
14510	W FIRE HYDRANT ASSEMBLY INST
14514	W METER 1 INCH INST
14516	W METER 2 INCH INST W METER 3/4 INCH INST
14517	W METER 3/4 INCH INST
14631	W SERV COPPER SHORT SIDE I IN INST
14632	W SERV COPPER SHORT SIDE 1-1/2 IN INST
14633	W SERV COPPER SHORT SIDE 2 IN INST
14634	W SERV COPPER SHORT SIZE 3/4 IN INST
	- Cuuud
14076	W REMOVE TRANSITE (AC) PIPE
<u>G</u>	ENERAL NOTES:
1.	WATERLINE CONTRACTOR MUST BE PRE-QUALIFIED BY LOUISVILLE WA
2.	CONTRACTING IN THE CATEGORY FOR 4" - 16" DUCTILE IRON WATER M ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH LWC STANDAR
7	SPECIFICATIONS FOR PIPELINE CONSTRUCTION, LATEST EDITION.
3.	ALL WATER MAIN RELOCATION AND SERVICE WORK SHALL BE COORDIN INSPECTOR.
4.	EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS HERE INFORMATION AND ARE APPROXIMATE. THE CONTRACTOR SHALL BE R THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUP
5.	TIE-INS FOR WATER MAIN RELOCATION WORK (HORIZONTAL AND VERT THROUGH VACUUM EXCAVATES OR OTHER METHOD TO DETERMINE THE THE EXISTING WATER MAIN AND CONFIRMING THE PIPE MATERIAL.
6.	HORIZONTAL AND VERTICAL ANGLES SHALL BE MADE BY USING STAND SHALL BE LIMITED TO HALF DEGREE AT EACH JOINT OF THE FITTING
7.	THRUST RESULTING FROM UNBALANCED FORCES WHICH OCCUR FROM ( (BENDS, TEES, REDUCERS AND CLOSED VALVES) SHALL BE RESTRAINED THRUST BLOCKS/HOLD DOWN BLOCKS AND BY RESTRAINED PIPE JOIN SHALL BE RESTRAINED BY WEDGE TYPE RETAINER GLANDS SUCH AS E UNION TUFGRIP OR EQUAL. PUSH ON (BELL AND SPIGOT) JOINT PIPE LESS TYPE RESTRAINT THAT UTILIZES A RETAINER WELDMENT SUCH
8.	PIPE TR FLEX OR EQUAL. DUCTILE IRON PIPE SHALL BE CLASS 350 PIPE WITH CEMENT MORTA THE PIPE SHALL BE DOUBLE POLYWRAPPED.
9. (	LWC TERMINOLOGY FOR WATER SERVICE LINES R RENEW SERVICE IS DEFINED TO INCLUDE A NEW COPPER SERVICE NEW MAIN TO EXISTING METER STOP AND SHALL INCLUDE INSTALL SADDLE AT THE MAIN; INSTALLING ALL TUBING AND/OR PIPE AND "RENEW SERVICE" WILL BE PAID UNDER KYTC BID ITEM W SERVIC
(	Re <u>Relocate service</u> is defined to include installing a new existing main or new main to an existing customer at the shown on the plans and shall include installing corporational main, installing all tubing and/or pipe and associated fit vault, meter setter and cast iron frame an Lid. This item under kytc bid items w service short side inst. w meter
(	M <u>Meter exchange</u> is defined as installing a new meter and meter vault. This item "meter exchange" will be paid under w meter inst.

### **UTILITY – WATER GENERAL SUMMARY**

UNIT	DIXIE HIGHWAY				JTILITY FOTAL S
EA	6				6
LF	12				12
LF	15				15
LF	1522				1522
LF	1350				1350
EA	1				1
EA	38				38
EA	1				1
EA	1				1
EA	9				9
EA	5				5 <b>5</b> 15 <b>7</b>
EA					
EA	L.J.				
EA	1				1
EA	4				4
EA	5				5
EA					<b>F</b> ⁸
EA	2				22
EA					
EA					<b>2</b> 17 <b>2</b>
	<u>(u)</u>				
LF	100				100

ANY (LWC)IN PIPELINE

GS AND TECHNICAL

KYTC AND THE LWC

SED UPON AVAILABLE E FOR DETERMINING ANY DAMAGES WHICH ES.

BE FIELD VERIFIED PTH AND LOCATION OF

INGS. DEFLECTION

PIPELINE DIRECTION METHODS: CONCRETE ANICAL JOINT PIPE MEGALUG, TYLER RESTRAINED BY BOLT CAN FLEX RING, US

FOR INSTALLATION

M THE EXISTING MAIN OR ORATION STOP, TAPPING ED FITTINGS. THIS ITEM SIDE INST.

RVICE LINE FROM THE ER VAULT LOCATION AS TAPPING SADDLE AT THE D INSTALLING NEW METER TE SERVICE" WILL BE PAID W METER VAULT INST.

THE EXISTING OR NEW ITEM

SCONNECTING AND CLUDING CAST IRON TC BID ITEM

NOT BE A KYTC PAY RUCTION UNDER KYTC

- 11. SHUTDOWNS OF EXISTING WATER MAINS FOR TIE-INS MUST BE APPROVED BY KYTC AND LWC IN ADVANCE. DURATIONS OF SHUT DOWN WILL BE LIMITED AND TIE-INS MAY BE REQUIRED AFTER PEAK PERIODS, NIGHT TIME HOURS, OR ON WEEKENDS AT THE DIRECTION OF LWC.
- WATER MAIN INSTALLATION IN DIXIE HIGHWAY THE EXISTING PAVEMENT ALONG DIXIE HIGHWAY CONSISTS OF 3 - 6 INCHES OF BITUMINOUS ASPHALT AND 6 - 8 INCHES OF CONCRETE BASE. RESTORATION SHALL MATCH THE EXISTING CONCRETE BASE AND ASPHALT THICKNESS. BACKFILL SHALL BE PER THE STANDARD DETAILS.
- 13. LWC HAS AN EXISTING 12-INCH AND 14-INCH AC WATER MAIN ALONG DIXIE HIGHWAY NEAR PROPOSED BUS SHELTER SITES #1, #3, #5 AND #7. AT THESE SITES THE ASPHALT PAVEMENT IS TO BE MILLED DOWN TO EXISTING CONCRETE BASE FOR THE CONSTRUCTION OF A NEW CONCRETE BUS STOP PAD. LWC INSPECTOR SHALL BE NOTIFIED BEFORE THIS WORK BEGINS TO WITNESS THE MILLING OPERATIONS. IF IT IS DETERMINED THE CONCRETE BASE IS IN BAD CONDITION AND NEEDS TO BE REPLACED KYTC AND LWC ENGINEER SHALL BE NOTIFIED IMMEDIATELY. BECAUSE OF THE BRITTLE NATURE OF AC PIPE AND PAST LWC EXPERIENCE AN EVALUATION WILL BE MADE TO DETERMINE IF THE AC WATER MAIN WILL NEED TO BE REPLACED BY DI PIPE ALONG THE LIMITS OF THE BUS STOP PAD.
- TEMPORARY BLOW-OFFS. RESTRAINED END CAPS AND FILL PORTS FOR FLUSHING AND PRESSURE 14. TESTING THE NEWLY RELOCATED WATER MAIN IS CONSIDERED INCIDENTAL TO THE PIPELINE INSTALLATION AND IS NOT A SEPARATE KYTC BID ITEM. IF AVAILABLE, LWC MAY ALLOW THE USE OF AN EXISTING FIRE HYDRANT NEARBY AND CLOSURE OF ISOLATION VALVES TO ACCOMMODATE FLUSHING OPERATIONS.
- TEMPORARY SERVICES TO KEEP LWC CUSTOMERS IN SERVICE DURING A SCHEDULED SHUT DOWN FOR 15. TIE-IN WORK IS CONSIDERED INCIDENTAL TO THE PIPELINE INSTALLATION AND SERVICE WORK. TEMPOARAY SERVICES, IF REQUIRED, IS NOT A SEPARATE KYTC BID ITEM.

### **TRAFFIC CONTROL NOTES:**

- CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR IMPLEMENTATION OF MAINTENANCE OF TRAFFIC 1.
- PLAN FOR ALL WATER MAIN RELOCATION WORK. 2. THE ROADWAY MOT PLANS FOR SECTION A (GREENWOOD RD. TO CRUMS LN.) SHALL BE IMPLEMENTED PRIOR TO BEGINNING THE WATER MAIN RELOCATION WORK, SHOWN ON SHEETS UG TO U24. ANY ADDITIONAL MOT PHASING WITHIN SECTION A TO ACCOMMODATE THE RELOCATION WORK SHALL BE CONSIDERED INCIDENTAL.
- THE ROADWAY MOT PLANS FOR SECTION B SHALL BE IMPLEMENTED PRIOR TO BEGINNING THE WATER MAIN RELOCATION WORK ON SHEET U25. ANY ADDITIONAL MOT PHASING WITHIN SECTION B TO ACCOMMODATE THE RELOCATION WORK SHALL BE CONSIDERED INCIDENTAL.

### **EROSION CONTROL NOTES:**

- 1. CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES FOR ALL WATER MAIN RELOCATION WORK. SEE SHEET U27 FOR EPSC DETAILS. THE IMPLEMENTATION OF BMPs WILL DEPEND ON THE
- CONTRACTOR'S SEQUENCE OF CONSTRUCTION AND MEANS AND METHODS OF INSTALLATION.
- A MAJORITY OF WATER MAIN RELOCATION WILL BE IN EXISTING PAVEMENT. STOCKPILING OF 3. THE TRENCH SPOILS IN THE ROADWAY IS NOT ALLOWED. AT A MINIMUM THE CONTRACTOR SHALL INSTALL STONE BAG INLETS AROUND NEARBY CATCH BASINS.
- 4. EROSION CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE RELOCATION WORK.

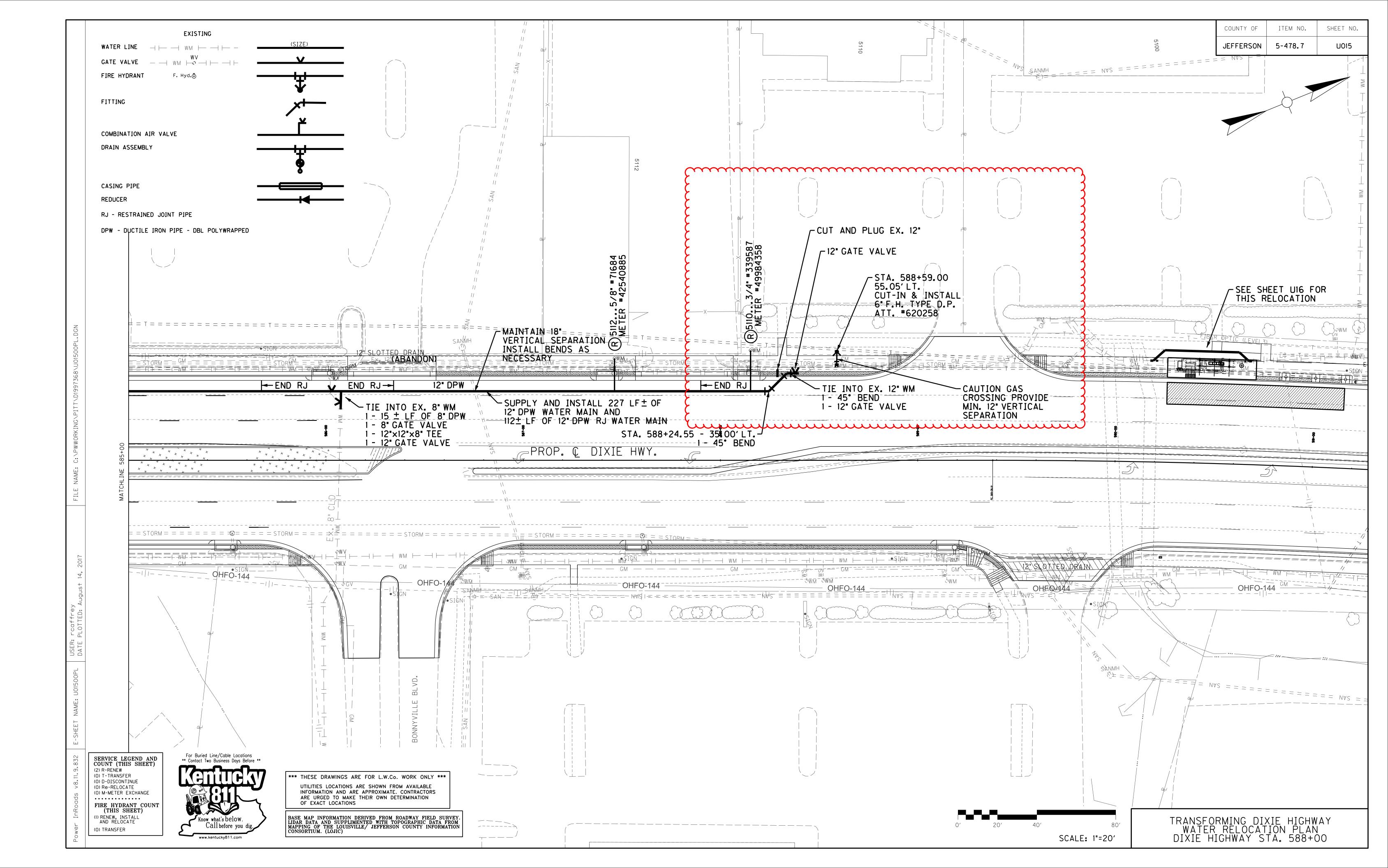
JEFFERSON	5-487.7	U002
COUNTY OF	ITEM NO.	SHEET NO.

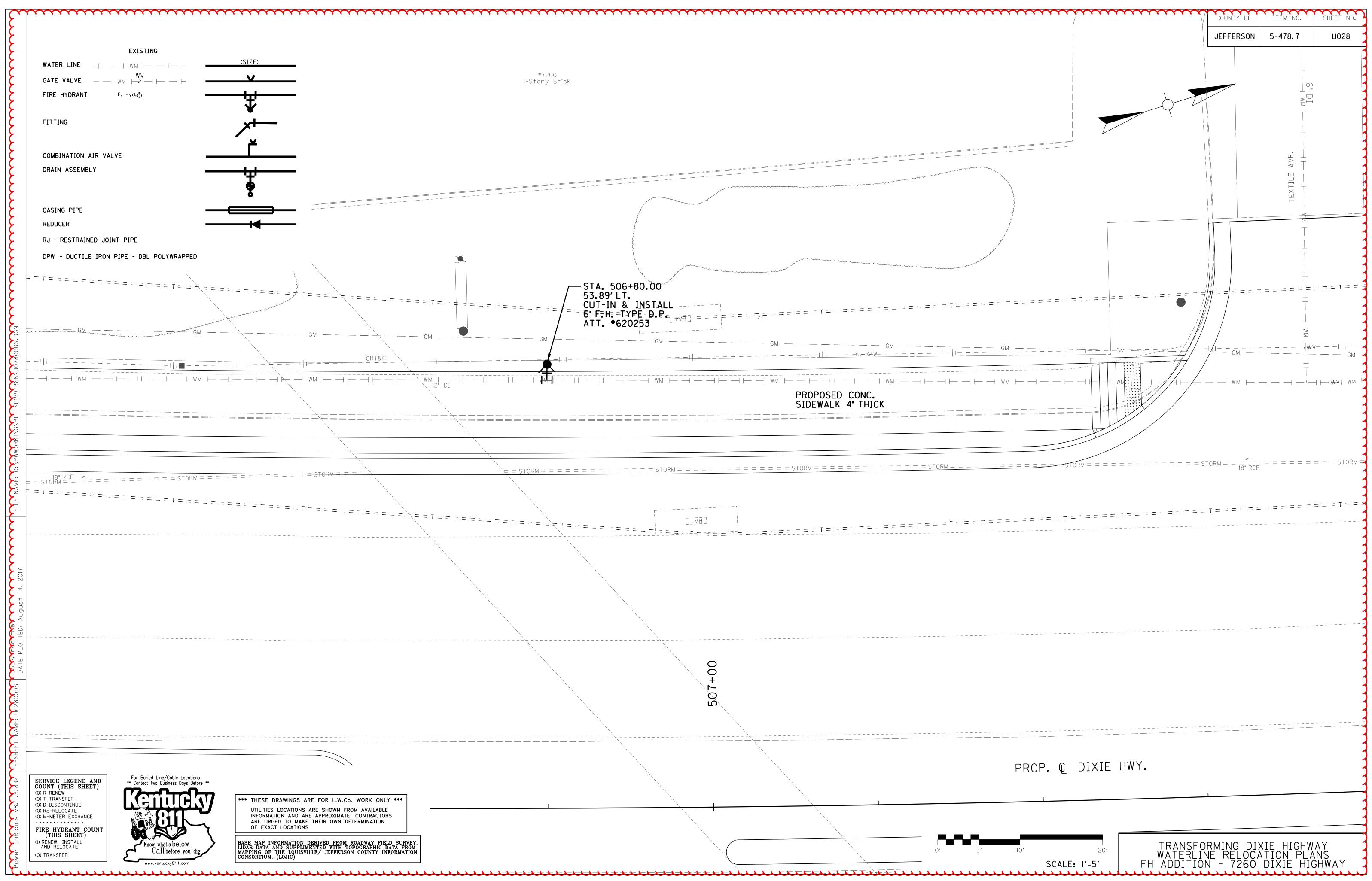
### **NOTES:**

(1) UTILITY SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS

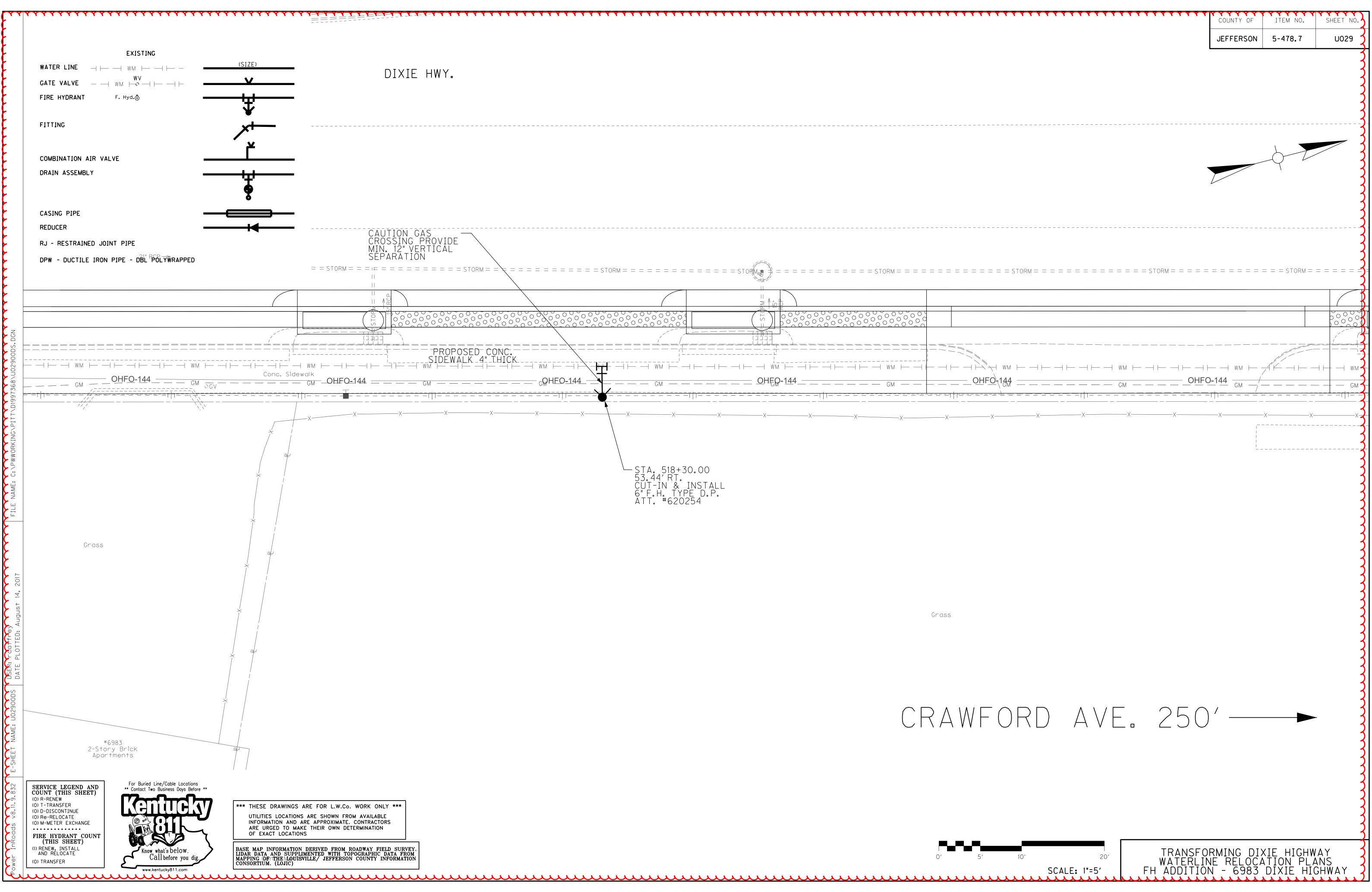
- (2) INCLUDES RESTRAINT OF MJ FITTINGS
- 3 BID ITEMS WITH "INST" IN THE NAME, MATERIALS WILL BE FURNISHED BY LWC FROM THE ALMOND AVENUE WAREHOUSE
- (4) RETURN EXISTING FH TO LWC WAREHOUSE

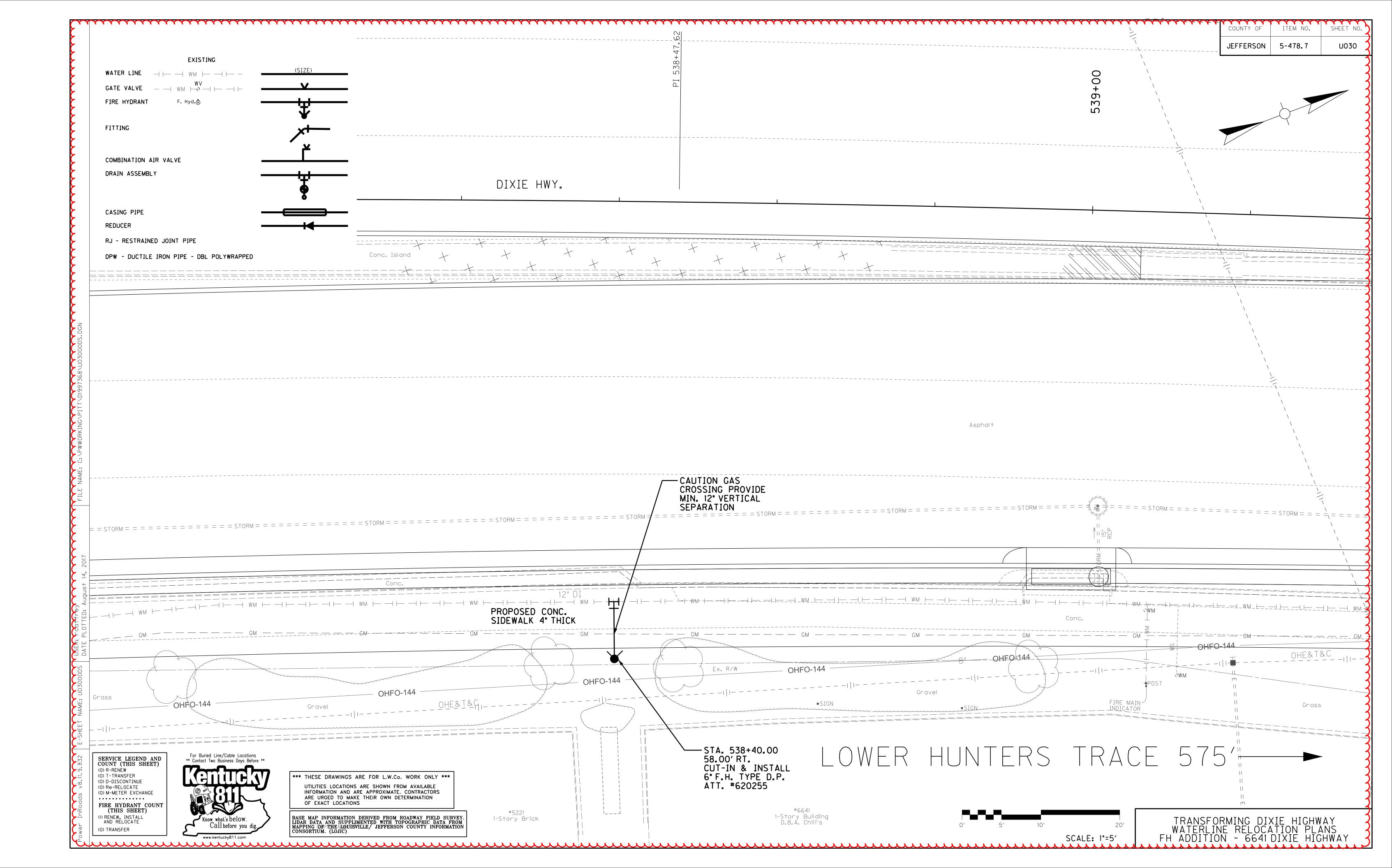
TRANSFORMING DIXIE HIGHWAY UTILITY GENERAL SUMMARY SHEET 1 OF 1

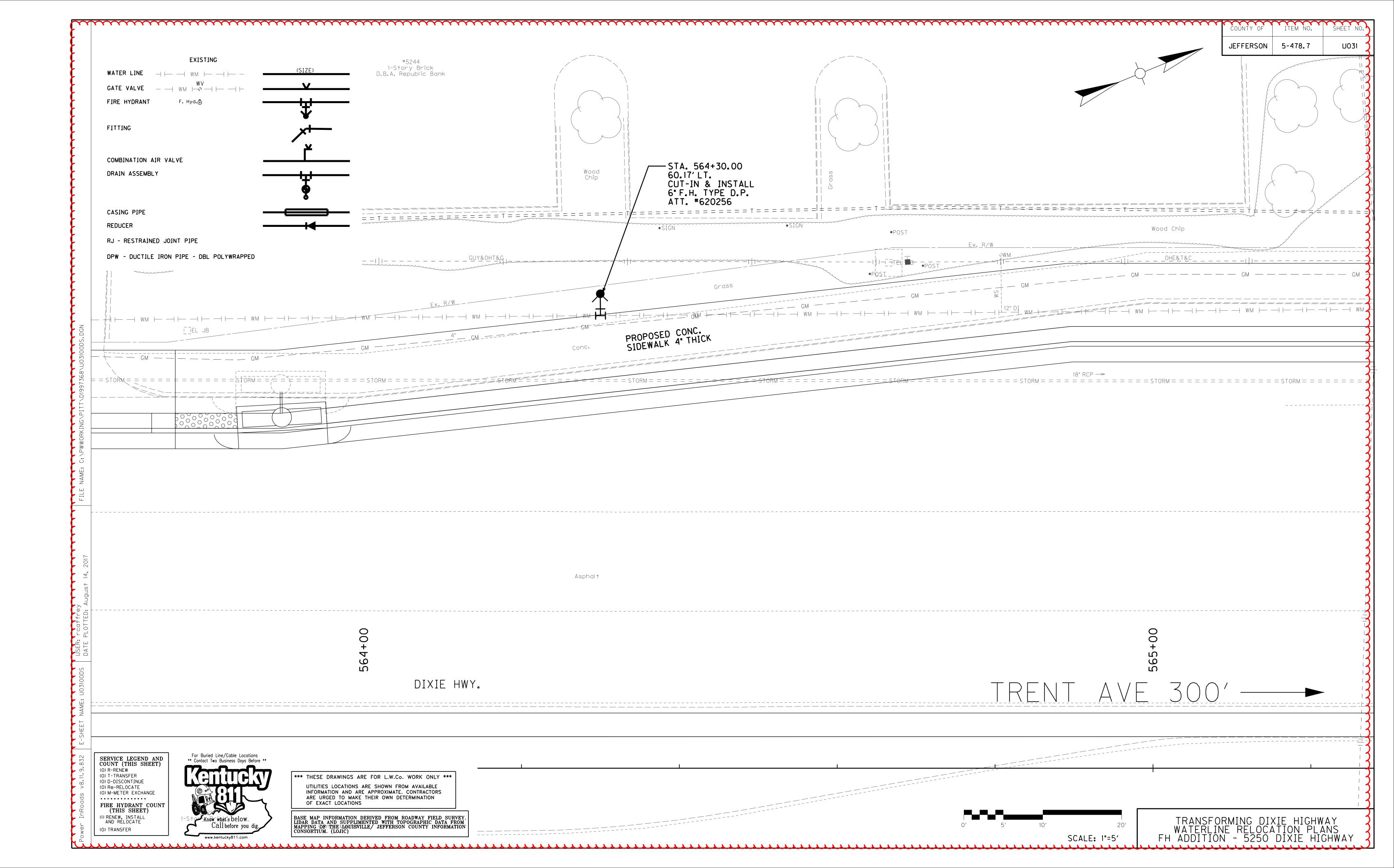


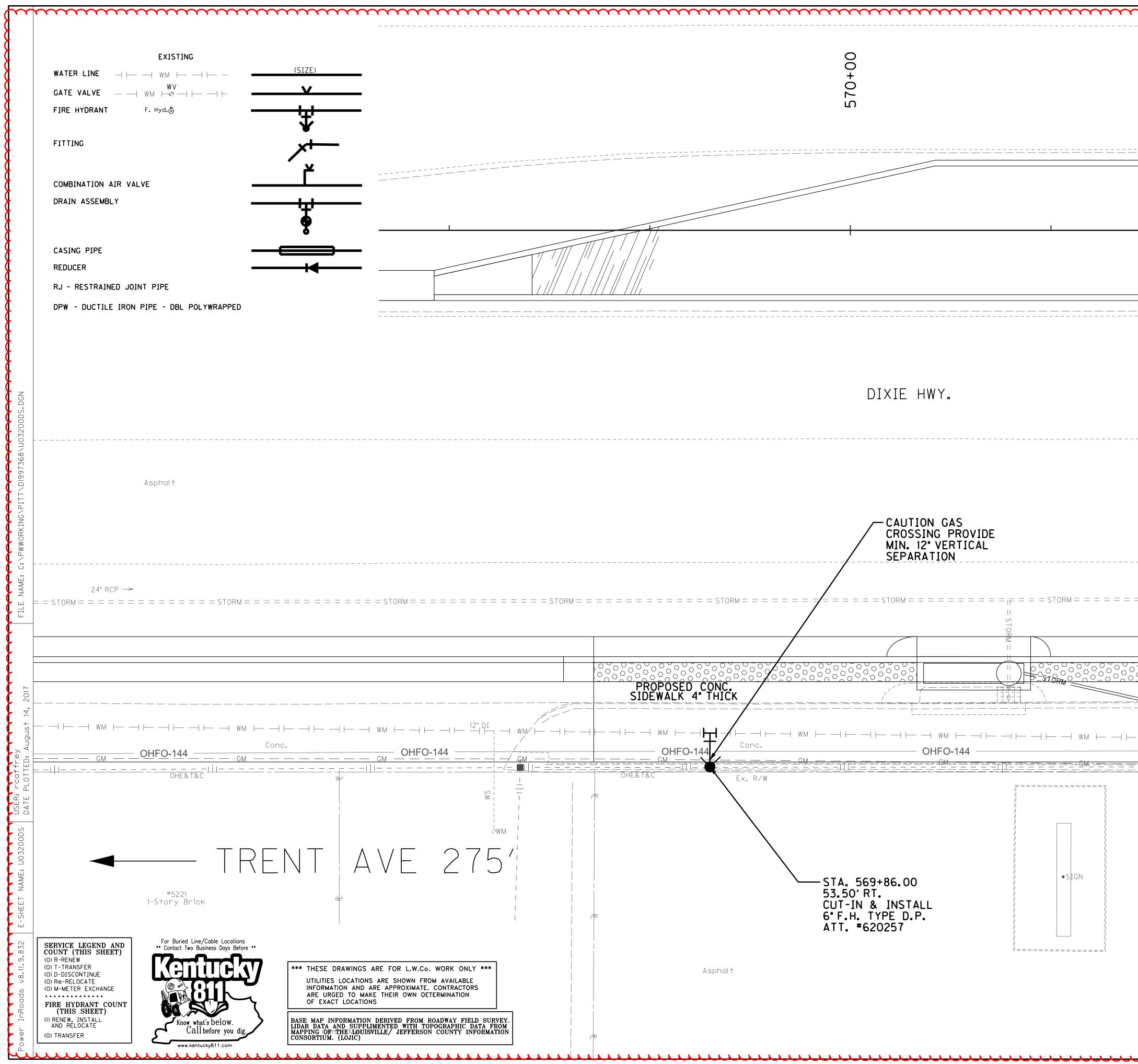




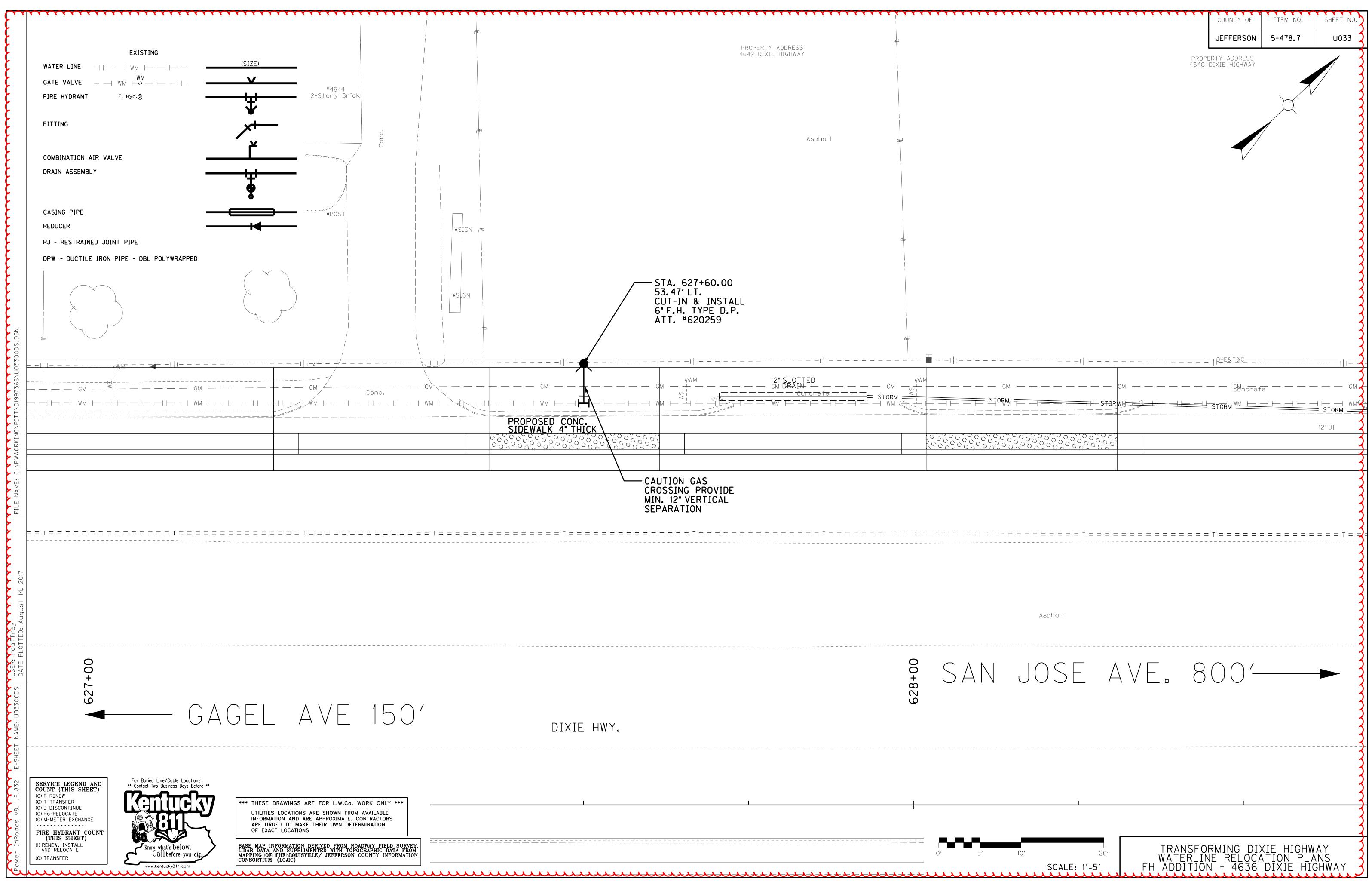


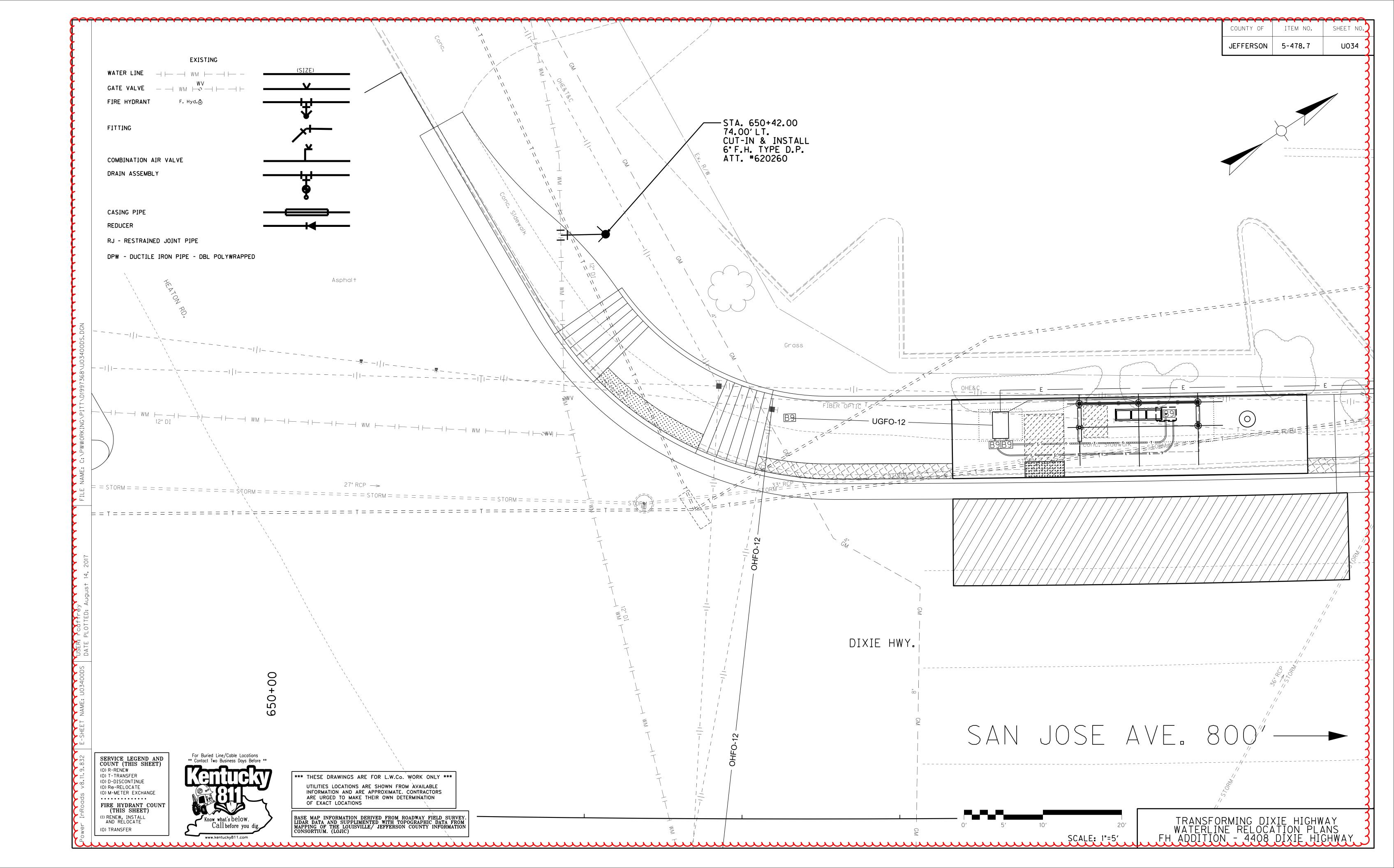






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0' 5' 10' 20' TRANSFO WATERLIN	RMING DI> Ne Reloca	KIE HIGHW Ation pla	AY 3
SCALE: 1"=5' FH ADDITIO			1

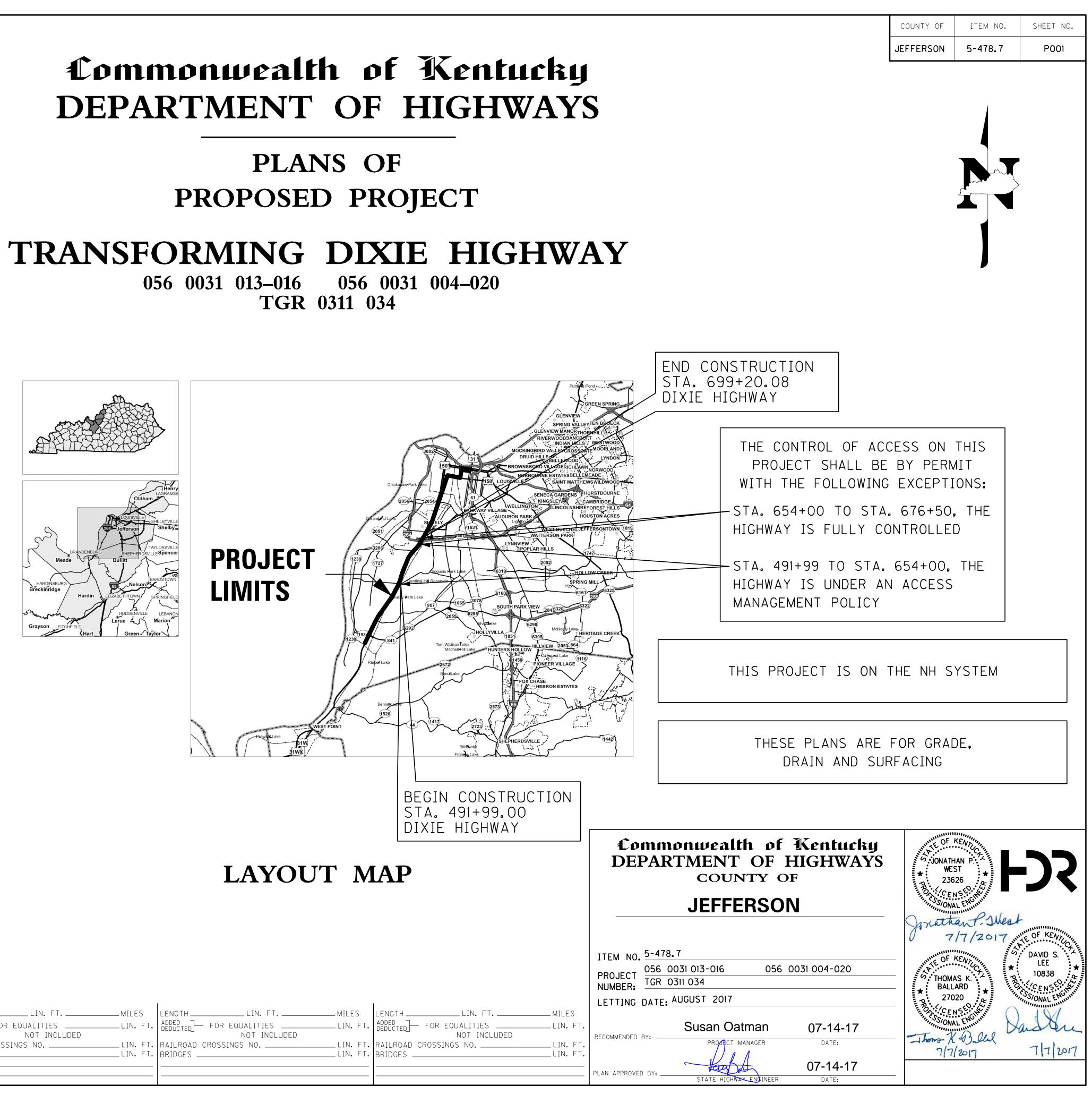




	SHEET NO. INDEX OF SHEETS DESCRIPTION	
	P001-P017 P008-P010PROJECT SHEET PROJECT SUMMARY SHEETSR001-R251 R002-R002DROADWAY SHEETS 	
	B01-B61 B01-B03BUS STATION SHEETS BUS STATION SUMMARY SHEETSA001-A010ARCHITECTURE SHEETSI01-I83ITS SHEETS	
	IOI-I05ITS SHEETSIOI-I05ITS SUMMARY SHEETSTOI-T39TRAFFIC SHEETSTOI-T04TRAFFIC SUMMARY SHEETSU01-U27UTILITY SHEETSU02UTILITY SUMMARY SHEETS	
	TOTAL SHEETS - 673 SHEETS NOT INCLUDED IN TOTAL SHEETS ROO1A, ROO1B, ROO2A - ROO2E, IO15A	
	STANDARD DRAWINGS	
7368\P00100LS.DGN	RDB-011-08       RDB-420-05       RGX-001-06         RDB-013-07       RDI-001-10       RGX-040-03         RDB-014-06       RDI-002-05       RPM-010-06         RDB-015-04       RDI-011-03       RPM-100-10         RDB-016-03       RDI-020-09       RPM-110-07         RDB-018-04       RDI-021-01       RPM-150-08         RDB-019-04       RDI-025-05       RPM-152-08         RDB-270-09       RDI-026-01       RPM-170-09         RDB-271-05       RDI-200-05       TPM-100-03         RDB-272-07       RDM-001-07       TTC-115-03         RDB-273-06       RDM-055       TTC-120-03         RDB-273-06       RDM-05-03       TTD-120-03	
PWWORKING\PITT\D199	RDB-280-06       RDM-105-03       TTD-120-02         RDB-281-03       RDX-001-06       TTD-125-02         RDB-282-04       RDX-002-04       TTS-115-02         RDB-283-04       RDX-160-06       TTS-120-02         RDB-320-06       RDX-210-03         RDB-400-05       RDX-215-01         RDB-410-06       RDX-230-01	
E NAME: C: /		
FIL		
August 14, 2017		
R: TBALLARD E PLOTTED:	CLASS OF HIGHWAY URBAN ARTERIAL	
JOLS USE	TYPE OF TERRAINLEVELDESIGN SPEED45 MPHREQUIRED NPSD817'REQUIRED PSD	
: P00100L	LEVEL OF SERVICE TRUCK CLASS: AAA ADT PRESENT ( 2017 ) VARIES: 35,000-58,400 ADT FUTURE ( 2038 ) VARIES: 43,565-65,173	
EET NAME:	DHV TBD	
2 E-SHEET	DHV 100 D % T % 2%-8% GEOGRAPHIC COORDINATES	
8.11.9.832 E-SHEET	D % T % 2%-8%	
11.9.832 E-SHEET	D %	LENGTH <u>76,560</u> LIN. FT. <u>14.500</u> MIL ADDED DEDUCTED FOR EQUALITIES LIN. NOT INCLUDED RAILROAD CROSSINGS NO LIN. BRIDGES LIN.

# PLANS OF

**TGR 0311 034** 



500MILES LIN. FT.	LENGTH LIN. FT ADDED DEDUCTED FOR EQUALITIES NOT INCLUDED	MILES LIN. FT.	LENGTH LIN. FT ADDED DEDUCTED FOR EQUALITIES NOT INCLUDED	— MILES — LIN. FT.	LENGTH LIN. FT N ADDED DEDUCTED FOR EQUALITIES L NOT INCLUDED
	RAILROAD CROSSINGS NO				RAILROAD CROSSINGS NOI

	PROEJECT GENERAL SUMMARY									
ITEM	DESCRIPTION	UNIT	ROADWAY	BUS STATION	ITS TRAFFIC	UTILITY - WATER				
01810	STANDARD CURB AND GUTTER			401						
01811	STANDARD CURB AND GUTTER MOD	LF	23552	43						
01875	STANDARD HEADER CURB	LF		1951						
01876	STANDARD HEADER CURB MOD	LF	15783							
01877	SPECIAL HEADER CURB	LF		1702						
01921	STANDARD BARRIER MEDIAN TYPE 4	SQYD	2662							
21341ND	BOLLARDS	EACH	5							
02014	BARRICADE-TYPE III	EACH	20							
02015	CEMENT CONCRETE ISLAND	SQYD	466							
02200	ROADWAY EXCAVATION	CUYD	10956							
02545	CLEARING AND GRUBBING	LS								
02562	TEMPORARY SIGNS	SQFT	2400							
02568	MOBILIZATION       DEMOBILIZATION	LS	1							
02569	MAINTAIN & CONTROL TRAFFIC	LS	1							
02653	LANE CLOSURE	EACH	12	25						
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2							
02676	MOBILIZATION FOR MILL & TEXT	LS	1							
02701	TEMP SILT FENCE	LF	5273							
02705	SILT TRAP TYPE C	EACH	278							
02708	CLEAN SILT TRAP TYPE C	EACH	834							
02720	SIDEWALK-4 IN CONCRETE	SQYD	18542	1481						
02726	STAKING	LS	1							
02775	ARROW PANEL	EACH	4							
05952	TEMP MULCH	SQYD	52740							
05953	TEMP SEEDING AND PROTECTION	SQYD	39555							
05990	SODDING	SQYD	11087	98						
06407	SBM ALUM SHEET SIGNS .125 IN PAVE STRIPING-TEMP PAINT-4 IN	SQFTLF	100000	20						
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	16755	673						
06515	PAVE STRIPING-PERM PAINT-6 IN	LF	47807	3621						
06530	PAVE STRIPING REMOVAL-4 IN	LF	60000							
06531	PAVE STRIPING REMOVAL-6 IN	LF	100000							
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	5000							
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	5000							
06565	PAVE MARKING-THERMO X-WALK-6 IN	LF	10150							
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	1562	40						
06572	PAVE MARKING-DOTTED LANE EXTEN	LF	195							
06573	PAVE MARKING-THERMO STR ARROW	EACH	7							
06574	PAVE MARKING-THERMO CURV ARROW	EACH	143	3						
06575	PAVE MARKING-THERMO COMB ARROW	EACH EACH	20 10	8						
06601NC 22520EN	PAVE MARKING-PAINT WORDS PAVE MARKING-THERMO YIELD BAR-36 IN	LF	42	0						
23139EN	STRIPING REMOVAL		175000							
24935EC	CONCRETE PAINT (MEDIAN)	SQYD	1233			+				
10020NS	FUEL ADJUSTMENT	DOLL	26285							
10030NS	ASPHALT ADJUSTMENT	DOLL	48964							
20094ES835		EACH	375							
22665EN	REMOVE NON-MOUNTABLE MEDIAN	SQYD	642							
23158ES505	DETECTABLE WARNINGS	SQFT	2205	871						
24489EC	INLAID PAVEMENT MARKER	EACH	1830							
02242	WATER	MGAL	1998							
24918ES601		SQYD	5849	347						
23214EC	BRICK-PAVERS FOR ROADWAY (VERGE)	SQYD	150	232						
20000ES724		EACH	30	42						
24911ED	STRUCTURAL SOIL VAULT SYSTEM (SSVS)	SQYD	120	218						
20000ES724		EACH	6	16						
20000ES724 20001ES724		EACH EACH	33							
.000163124	JUNOD VEANUE JUNODO MUNE IMAN O TALE/	LACH	رر _ا					1	1	

JEFFERSON	5-478.7	P008
COUNTY OF	ITEM NO.	SHEET NO.

	PROJECT TOTAL
	401
	23595
	1951
	15783
	1702
	2662
	5
	20
	466
	10956
	1
	2400
	1
	1
	1
	37
	2
	1
	5273
	278
	834
	20023
	4
	52740
	39555
	11185
	20
	100000
	17428
	<u>51428</u> 60000
	100000
	5000
	5000
	10150
	1602
	195
	7
	146
	20
	18
	42
	175000
	1233
	26285
	48964
	375
	642
	3076
	1830
	1998
	6196
	382
	72
	338
	22
	7
	33
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- 1 THE PROJECT TOTALS INCLUDE THE RESPECTIVE TOTALS FROM THE ROADWAY, BUS STATIONS, ITS, TRAFFIC, AND UTILITY GENERAL SUMMARY SHEETS
- ② NOTES FOR THE ITEMS ARE SHOWN ON THE INDIVIDUAL SHEETS.

			A	ZO		L L L C			-
ITEM	DESCRIPTION	UNIT	ADW	BUS ATI(	ITS	RAFF WATE			
			ROA	ST,					
20001ES724	SHRUB (SMALL SHRUBS LESS THAN 3' TALL)	EACH	993						-
24558ED	ORNAMENTAL GRASS	EACH	1361	39					
23613EC	PERENNIALS	EACH	2411	157					
24912ES724	GROUNDCOVER	EACH	1462						
24917ED	SELECT BORROW MATERIAL	CUYD	3753						
05997	TOPSOIL FURNISHED AND PLACED	CUYD	3902						+
00001	DGA BASE	TON	3364	1091					_
00214	CL3 ASPH BASE 1.00D PG64-22	TON	1322						_
22906ES403	CL3 ASPH SURF 0.38A PG64-22	TON	11201						╞
02084	JPC PAVEMENT-8 IN	SQYD	3333						+
02101	CEM CONC ENT PAVEMENT-8 IN	SQYD	13789	139					╞
00071	CRUSHED AGGREGATE SIZE NO 57	TON	2354						_
01719	ADJUST INLET	EACH	2						+
01792	ADJUST MANHOLE	EACH	109						+
02611	HANDRAIL - TYPE A-1		52						+
01547	DROP BOX INLET TYPE 12 (FRAME AND GRATE ONLY)		20	1747					╞
22415EN	CONCRETE CLASS A FOR PAD (BUS PAD - 6 IN)	SQ YD		1743					╞
22415EN	CONCRETE CLASS A FOR PAD (BUS PAD - 10 IN)	SQ YD	0050	1457					+
02677	ASPHALT PAVE MILLING & TEXTURING	TON	8958	575			 		+
20194ED	REMOVE & RESET TRAFFIC SIGN	EACH		10					_
21373ND	REMOVE SIGN	EACH		3					+
24303EC 24303EC	BUS SHELTER (TYPE 1) BUS SHELTER (TYPE 2)	EACH EACH		5					╞
24303EC	BUS SHELTER (TYPE 3)	EACH		14					+
23404EC	BENCH	EACH		48					┢
23405EC	TRASH RECEPTACLE	EACH		37					+
24605ED	RELOCATE, UTILITY POLE	EACH		1					+
22415EN	CONCRETE CLASS A FOR PAD (SHELTER PAD - 4 IN)	SQ YD		1104					+
22415EN	CONCRETE CLASS A FOR PAD (SHELTER PAD - 8 IN)	SQ YD		471					t
24913ED	PYLON	EACH		36					
24914ED	MODIFIED PYLON	EACH		1					T
24894EC	REMOVE (BUS SHELTER)	EACH		8					
24894EC	REMOVE (BUS BENCH)	EACH		23					
24894EC	REMOVE (BUS TRASH CAN)	EACH		17					
24894EC	REMOVE (PARKING METER)	EACH		2					
24731EC	REMOVE AND RESET (MAILBOX)	EACH		2					
24731EC	REMOVE AND RESET (SPRINKLER HEAD)	EACH		1					_
00980	SLOTTED DRAIN PIPE-12 IN	LF	1429				 		_
00520	STORM SEWER PIPE-12 IN	LF	1975				 	ļ	_
00521	STORM SEWER PIPE-15 IN		559						╀
00522	STORM SEWER PIPE-18 IN		12				 		╀
00524	STORM SEWER PIPE-24 IN		4						╀
00525	STORM SEWER PIPE-27 IN		8						╀
00526	STORM SEWER PIPE-30 IN	LF	11 8						╀
00527	STORM SEWER PIPE-33 IN STORM SEWER PIPE-36 IN	LF	12						┝
00528	CURB BOX INLET TYPE A	EACH	12						╀
01458	CURB BOX INLET TYPE A MOD	EACH	45						+
01480	CURB BOX INLET TYPE B	EACH	9						+
21546ED	CURB BOX INLET TYPE B MODIFIED	EACH	4						╞
01487	CURB BOX INLET TYPE F	EACH	8						╞
23643EC	CURB BOX INLET TY-F MOD	EACH	8						+
01544	DROP BOX INLET TYPE 11	EACH	3						+
01545	DROP BOX INLET TYPE 11 MOD	EACH	1						+
20569ES710	DROP BOX INLET TY 13G(MOD)	EACH	3						+
01634	CAP CURB BOX INLET	EACH	43						+
01650	JUNCTION BOX	EACH	7		<u> </u>				+
08100	CONCRETE-CLASS A	CUYD	19.6	-	ļ				+

JEFFERSON	5-478.7	P009	
COUNTY OF	ITEM NO.	SHEET NO.	

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		PROJECT Total
		Ц Ч Ц С Ц С Ц С
		0.07
		993
		1400
		2568
		1462
		3753
		3902
		4455
		1322
		11201
		3333
		13928
		2354
		2
		109
		52
		19.5
		1743
		1457
		9533
		10
		3
		5
		14
		12
		48
		37
		1
		1104
		471
		36
		1
		8
		23
		17
		2
		2
		1
		1429
		1975
		559
		12
		4
		8
		11
		8
		12
		105
		45
		9
		4
		8
		8
		3
		1
		3
		43
		7
		19.6
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				r K	UEJE			L SUMMA	IN I	
ITEM	DESCRIPTION	UNIT	ROADWAY	BUS STATION	ITS	TRAFFIC	UTILITY - WATER			
01642	JUNCTION BOX-18 IN	EACH			208					
04792	CONDUIT-1 IN	LF			4645	534				
04795	CONDUIT-2 IN	LF	125		7392	1345				
04797	CONDUIT-3 IN	LF	100		3711	1740				
04820	TRENCHING AND BACKFILLING MESSENGER-4500 LB	LF LF	400		4965 2105	1742				
04899	ELECTRICAL SERVICE	EACH			36	1				
21543EN	BORE AND JACK CONDUIT	LF			5984					
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF			5800					
01650	JUNCTION BOX (CONCRETE 32")	EACH			29					
24921EC	CONDUIT RISER-2 IN	EACH			73					
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH			71					
21077ED 21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND) FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF LF			756 33775					
24922EC	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND) FIBER OPTIC SPLICE ENCLOSURE	EACH			42					
24923EC	CABINET FIBER TERMINATION PANEL	EACH			37					
24924EC	AIR LINK COMMUNICATION	EACH			2					
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			37					
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			2					
24927EC	LAYER 2 ETHERNET SWITCH - RACK MOUNT	EACH			3					
24928EC	FIREWALL UNIT - RACK MOUNT	EACH			3					
24929EC 24930EC	MICROTRENCHING MICRO-DUCT PATHWAY-2 CELL	LF LF			20177 17108					
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF			12768					
24932EC	CONDUIT REPAIR	LF			100					
24933EC	JUNCTION BOX REPAIRED	EACH			5					
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF				1881				
04723	BRACKET - 10 FEET	EACH				52				
04780	FUSED CONNECTOR KIT	EACH				104				
04794	CONDUIT - 11/2 IN ELECTRICAL JUNCTION BOX TYPE B	LF EACH				40				
04830	LOOP WIRE	LF	7100			25525				
04832	WIRE-NO. 12	LF				22449				
04844	CABLE-NO. 14/5C	LF				28657				
04845	CABLE-NO. 14/7C	LF				1650				
04850	CABLE-NO. 14/1 PAIR	LF				13919				
04885	MESSENGER-10800 LB	LF LF	1800			3870 9799				
04895 24908EC	LOOP SAW SLOT AND FILL INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	1800			35				
04932	INSTALL STEEL STRAIN POLE	EACH				33				
04950	REMOVE SIGNAL EQUIPMENT	EACH				94				
06472	INSTALL SPAN MOUNTED SIGN	EACH				34				
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH				84				
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN (TRANSIT)	EACH				11				
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN	EACH				116				
20189NS835 20266ES835	INSTALL LED SIGNAL-5 SECTION, 12 IN INSTALL LED SIGNAL-4 SECTION, 12 IN	EACH EACH				8				
20266E3835 21743NN	INSTALL LED SIGNAL-4 SECTION, 12 IN INSTALL PEDESTRIAN DETECTOR	EACH				84				
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD				145				
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH				2				
23206EC	INSTALL CONTROLLER CABINET	EACH				2				
23222EC	INSTALL SIGNAL PEDESTAL	EACH				26				
24589ED	LED LUMINAIRE	EACH				52				
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH				34				
24916ED	SYSTEM INTEGRATION LED TRANSIT SIGNAL MODULE	LS EACH				33				
24941EC	LED INANJI JIONAL WODULL	I LAUH	I	1	1	1	1			

JEFFERSON	5-478.7	P010
COUNTY OF	ITEM NO.	SHEET NO.

1	
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	PROJECT Total
	208
	5179
	8862
	3711
	7107
	2105
	37
	5984
	5800
	29
	73
	71
	756
	33775
	42
	37
	2
	37
	2
	3
	3
	20177
	17108
	12768
	100
	5
	1881
	52
	104
	40
	57
	32625
	22449
	28657
	1650
	13919
	3870
	11599
	35
	33
	94
	34
	84
	11
	116
	11
	8
	84
	145
	2
	2
	26
	52
	34
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	 2

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	ITEM	DESCRIPTION
	04793	CONDUIT 11/4 IN
	04829 20359NN	PIEZOELECTRIC SENSOR GALVANIZED STEEL CABINET
	20360ES818	WOOD POST
	20391NS835	ELECTRIC JUNCTION BOX TYPE A
	14021	W FIRE HYDRANT REMOVE
	14036	W PIPE DUCTILE IRON 06 INCH
	14037	W PIPE DUCTILE IRON 08 INCH
	14039	W PIPE DUCTILE IRON 12 INCH W PIPE DCTL IRON RSTRND JOINT 12 IN
	14095	W TIE-IN 08 INCH
	14097	W TIE-IN 12 INCH
	14105	W VALVE OG INCH
	14106	W VALVE O8 INCH
	14108	W VALVE 12 INCH
	14156	W METER REMOVE W FIRE HYDRANT ASSEMBLY INST
DGN	14514	W FIRE HIDRANT ASSEMBLT INST W METER 1 INCH INST
JOSU.	14516	W METER 2 INCH INST
POIIC	14517	W METER 3/4 INCH INST
368 \	14518	W METER VAULT INST
1997	14631	W SERV COPPER SHORT SIDE 1 IN INST
	14632	W SERV COPPER SHORT SIDE 1-1/2 IN INST
	14633	W SERV COPPER SHORT SIDE 2 IN INST W SERV COPPER SHORT SIDE 3/4 IN INST
KING	14076	W REMOVE TRANSITE (AC) PIPE
C: \PWWORKING\PITT\DI997368\P01100SU.DGN		
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NAME		
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NAME:		
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Power		

### PROEJECT GENERAL SUMMARY

UNIT	ROADWAY	BUS Station	ITS	TRAFFIC	UTILITY - WATER			
LF EACH	300 16							
EACH	3							
EACH	6							
EACH	5							
EACH					6			
 LF					12 15			
LF					1522			
LF					1350			
EACH					1			
EACH					38			
EACH EACH					1			
EACH					9			
EACH					5			
EACH					15			
EACH					2			
EACH EACH					1			
EACH					5			
EACH					8			
EACH					2			
EACH					1	 		
EACH LF					17 100			
					100			

JEFFERSON	5-478.7	P011	
COUNTY OF	ITEM NO.	SHEET NO.	

	PROJECT Total
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	3
	6
	5
	12
	15
	1522
	1350
	1 38
	1
	1
	9
	5
	15 2
	1
	4
	5
	8
	2
	17
	100

### NOTES:

- 1 THE PROJECT TOTALS INCLUDE THE RESPECTIVE TOTALS FROM THE ROADWAY, BUS STATIONS, ITS, TRAFFIC, AND UTILITY GENERAL SUMMARY SHEETS
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### TRANSFORMING DIXIE HIGHWAY PROJECT GENERAL SUMMARY SHEET 4 OF 4

	GEN
	GENERAL NOTES
	DIVISION 100 - GENERAL PROVISIONS 160 N.G.S. (U.S.G.S.) BENCH MARKS
	DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DI
	165 BEFORE YOU DIG THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811 INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMB BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVAT THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR TH COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN
	DIVISION 400 – ASPHALT PAVEMENTS
	429 WINTER CLOSEDOWN
	ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUS SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL
z	444 ASPHALT PAVEMENT RIDE QUALITY Pavement rideability requirements, in accordance with section 410 o apply on this project. Category a shall apply.
8\P01200GN.DG	447 COMPACTION OF ASPHALT MIXTURES WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVI OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 4 SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.C ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.
TT\D199736	448 COMPACTION OF ASPHALT MIXTURES WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS F SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.
C:\PWWORKING\PITT\D!997368\P01200GN.DGN	455 EDGE KEY THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A N ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE PRICE BID LINEAR FOOT (PER METER)FOR "EDGE KEY" INCLUDES ALL NECESSA NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT
NAME: C:	DIVISION 500 – JPC PAVEMENT AND NON-STRUCTURAL CONCRETE CONST
FILE NAM	555 JPC PAVEMENT RIDE QUALITY Apply jpc pavement smoothness requirements, in accordance with sui specifications, on this project.
	DIVISION 600 – STRUCTURES AND CONCRETE 641 precast reinforced concrete box sections
14, 2017	CONTRARY TO STANDARD DRAWING NO. RDI-100, ASSOCIATE HS 25 LOADING W STEEL TO REFLECT THE GREATER LIVE LOADING. SEE THE APPENDICES IN AS CALCULATIONS FOR THIS GREATER LIVE LOAD MAY CHANGE THE TABLE NO. D
y August	650 STANDARD DRAWINGS STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DR SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH SERVICES IN FRANKFORT, KY. AT (502)564-3670
rcaffre PLOTTED:	DIVISION 700 — DRAINAGE, TRAFFIC AND ROADSIDE CONSTRUCTION
USER: DATE	730 EXISTING LANDSCAPE MATERIAL
BN	DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY. Do not to disturb any plants without prior approval of the projec
E-SHEET NAME: PO1200GN	THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSS PLANTS NEEDING REMOVAL.
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er InRo	



### **SPECIAL NOTES**

RECTED BY THE ENGINEER.

### THE ONE-CALL SYSTEM FOR CALL IS TO BE PLACED A MINIMUM OF THE CONTRACTOR SHOULD BE AWARE ERS OF THE KY 811 ONE-CALL ION WITH THE UTILITY OWNERS, INCLUDING HE CONTRACTOR TO CONTACT THE COUNTY THE AREA.

### SURFACE EXPOSED TO TRAFFIC DURING SHED SLAG, CRUSHED GRANITE OR CRUSHED COMBINED COARSE AND FINE AGGREATE.

THE STANDARD SPECIFICATIONS, SHALL

### NG LANES AND RAMPS AT ONE INCH (25 MM) 02 AND 403 OF THE CURRENT STANDARD 2 FOR SURFACE MIXTURES ONLY. WILL

PROJECT BY OPTION B ACCORDING TO

MINIMUM DEPTH AND WIDTH AS DETAILED EXISTING SURFACE. THE CONTRACT UNIT ARY MATERIALS, LABOR AND EQUIPMENT MATERIAL.

### RUCTION

BSECTION 501.03.19 OF THE STANDARD

WITH TABLE 1-4. MODIFY THE REQUIRED STM C789 AND ASTM C850. THE PEPICTED ON THE DESIGN PLANS.

RAWING BOOK AND THE HEADWALL OF THE DEPARTMENT OF ADMINISTRATIVE

CT ENGINEER. IBLE DEPARTMENT SALVAGE OF ANY 1. UTILITY IMPACT NOTE 2. STORM SEWER CONSTRUCTION

- LANDSCAPING BRT STATION SIGN PYLONS
- BRT STATION STATION SHELTERS

6. ITS 7. PLANNING DATA COLLECTION STATIONS

FLOWABLE FILL TO ACHIEVE COMPACTION, THE CONTRACTOR SHALL USE FLO EXISTING AND PROPOSED CATCH BASINS OR MANHOLES WHEN THAN TWO FEET. THE FLOWABLE FILL IS INCIDENTAL TO PROPOSED STRUCTURE BID ITEMS.

MODIFIED INLETS ALL MODIFIED INLETS HAVE HEIGHTS THAT ARE LESS THAN ON THE STANDARD DRAWINGS. SEE PIPE DRAINAGE SHEETS.

<u>CONCRETE REMOVAL</u> CONCRETE REMOVAL IN THE MEDIAN FOR LANDSCAPING IS EXCAVATION BID ITEM.

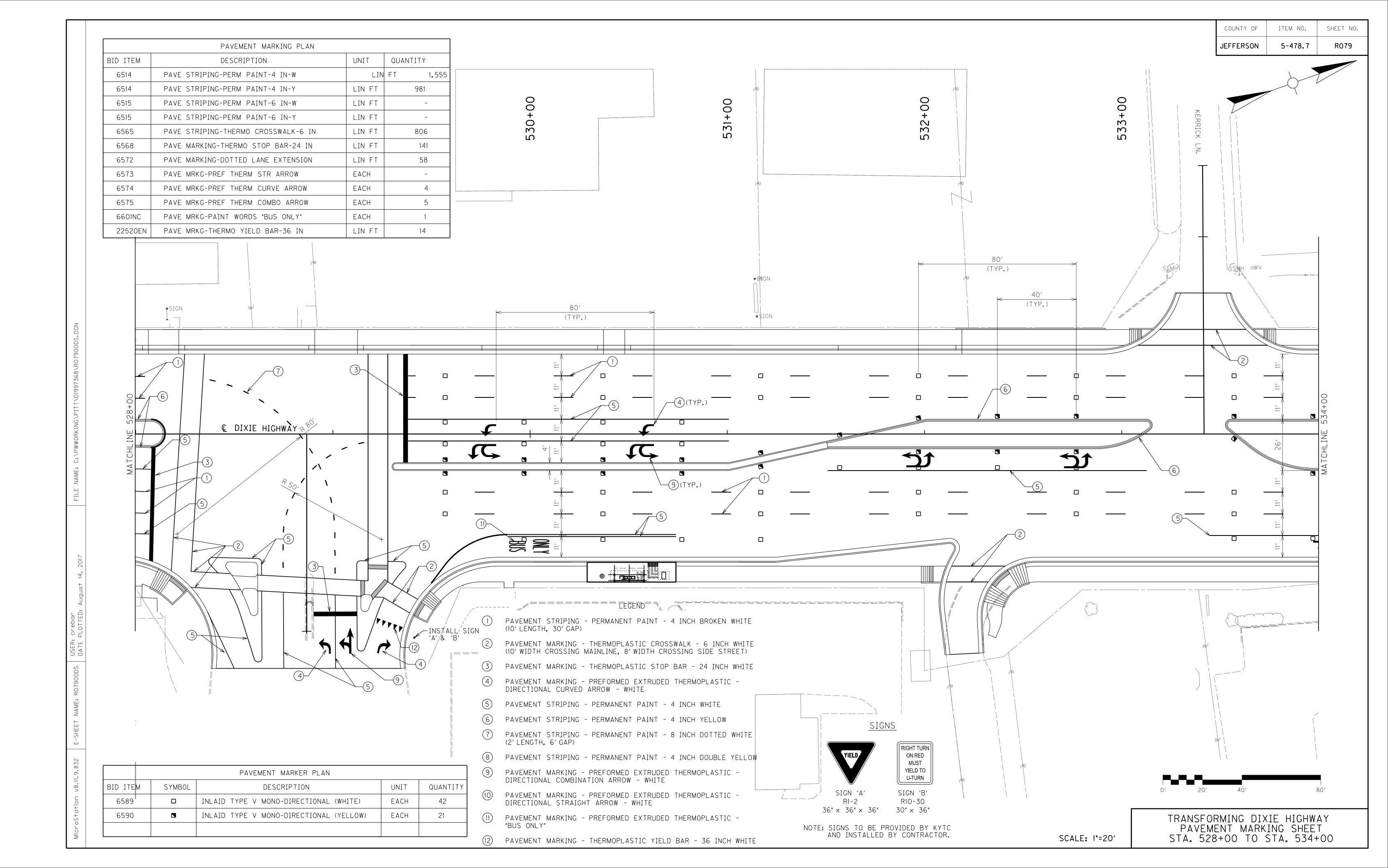
### BOLLARDS FOR THE MEDIAN BOLLARDS AT OWEN FUNERAL HOME USE DELINEATOR WITH PERMANENT ANCHOR" (HEIGHT 42", YELLOW PFD-42-Y-HLM, MANUFACTURED BY NATIONAL TOOL GRINDIN EQUAL. THESE ARE REMOVEABLE BOLLARDS THAT MEET MUT REQUIREMENTS, WITH A PERMANENT ANCHOR THAT IS INSTA

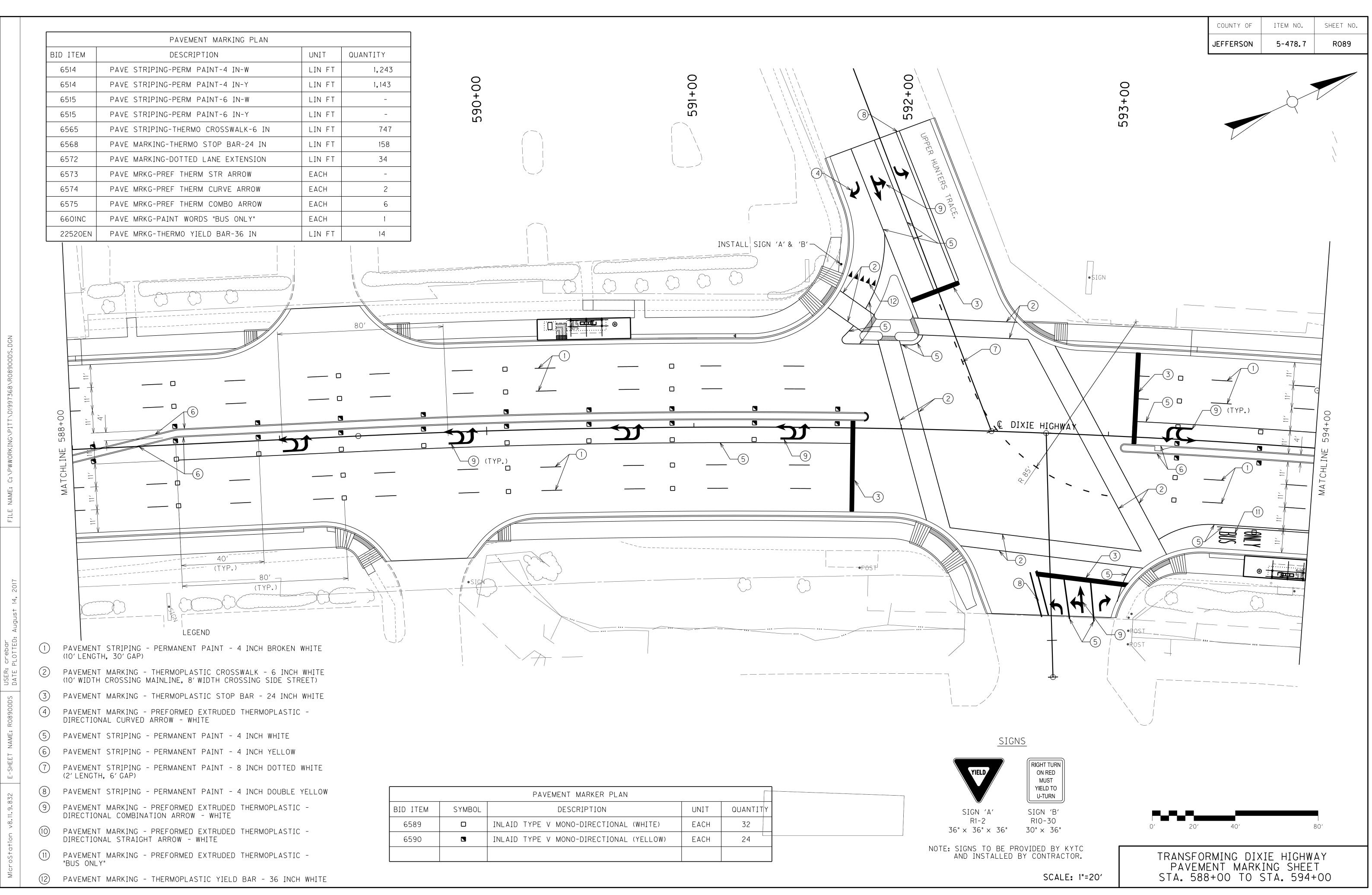
<u>SPECIAL NOTE FOR MOT IN AREA 1 (DEFINED AS GREENWOOD</u> NO TRAFFIC CONTOL IS ALLOWED IN AREA 1 UNTIL AFTER N OTHERWISE DIRECTED BY THE ENGINEER.

	COUNTY OF	ITEM NO.	SHEET NO.
OTES	JEFFERSON	5-478.7	P012
LOWABLE FILL BETWEEN IERE THE SPACE IS LESS THE CORRESPONDING			
N THE MINIMUM AS SHOWN S.			
INCIDENTAL TO THE			
THE ITEM "FLEXIBLE DW), ITEM NUMBER ING, INC., OR APPROVED JTCD AND NCHRP			
TALLED IN THE PAVEMENT. <u>Od to Blanton</u> May 15, 2018 unless			

						COUNTY OF ITEM NO. SHEET NO.
				<b>ROADWAY GENERAL SUMMARY</b>		JEFFERSON 5-478.7 ROO2
					$ \begin{vmatrix} & \searrow \\ & \bigcirc \\ & & \bigcirc \\ & & & \bigcirc \\ & & & & \bigcirc \\ & & & &$	
	ITEM	DESCRIPTION	UNIT	XIE XIE XIE	$\begin{vmatrix} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	
	01811	STANDARD CURB AND GUTTER MOD 6	LF	23552	23552  1 ROADWAY SUMMARY    SUMMARY	TOTALS CARRIED TO PROJECT GENERAL
	01876	STANDARD HEADER CURB MOD(6)STANDARD BARRIER MEDIAN TYPE 4(6)	LF SQYD	15783     2662		TED QUANTITY FOR EROSION CONTROL. ) BE COORDINATED WITH THE ENGINEER.
		BARRICADE-TYPE III	EACH	20		) BE COORDINATED WITH THE ENGINEER.
	02200	ROADWAY EXCAVATION	CUYD	10956	10956 (3) NA	
	02545	CLEARING AND GRUBBING	LS		1 (4) THE ADJUSTMENT F METERS LOCATED I METERS LOCATED I	OR EXISTING UTILITY VALVES AND n the sidewalk shall be considered ewalk construction.
	02562 02568	TEMPORARY SIGNS MOBILIZATION	SQFT LS	2400		
	02569	DEMOBILIZATION	LS		Image: Includes sufficient       Image: Im	NT QUANTITY FOR SIDEWALK RAMPS. ATE RAMP TYPE PER RPM-170-09. SEE MODIFIED LOCATION OF DETECTABLE TO RAMP TYPE 3, CONDITION 2.
	02650	MAINTAIN & CONTROL TRAFFIC	LS	1	PLAN SHEETS FOR WARNINGS RELATED	TO RAMP TYPE 3, CONDITION 2.
	02653	LANE CLOSURE	EACH	12	12   5 ESTIMATED AT 50	M. GAL/MI.
		PORTABLE CHANGEABLE MESSAGE SIGN MOBILIZATION FOR MILL & TEXT	EACH LS		6 SEE ROADWAY PLAN	SHEETS FOR LOCATION & LIMITS.
	02010	TEMP SILT FENCE (2)	LS LF	5273	Image: Second state   Image: Second state     Image: Second state   5273	HEET R142
	02705	SILT TRAP TYPE C (2)	EACH	278		IOTE FOR BOLLARDS ON THE PROJECT IAL NOTES SHEET.
	02708	CLEAN SILT TRAP TYPE C	EACH	834	834	TAL NOTES SHELT.
DGN	02720	SIDEWALK-4 IN CONCRETE (4)6	SQYD	18542	18542 EARTHWORK	
JOSU.	02726	STAKING ARROW PANEL	LS EACH		1     1       4     10,956 CUYD TOTA	COMMON
0020	05952	TEMP MULCH (2)	SQYD	52740		EMBANKMENT
68 \ F	05953	TEMP SEEDING AND PROTECTION (2)	SQYD	39555	39555         462 CUYD TOTAL	
9973	05990	SODDING	SQYD	11087	11087	
	05997	TOPSOIL FURNISHED AND PLACED	CUYD	3902	3902	
LIAVS		SELECT BORROW MATERIAL PAVE STRIPING-TEMP PAINT-4 IN	CUYD LF	3753     100000	3753           100000	
SKING		PAVE STRIPING-PERM PAINT-4 IN		16755	16755	
W W OF	06515	PAVE STRIPING-PERM PAINT-6 IN	LF	47807	47807	
C: \P		PAVE STRIPING REMOVAL-4 IN	LF	60000	60000	
ME		PAVE STRIPING REMOVAL-6 IN		100000	100000	
E N/		PAVE STRIPING-TEMP REM TAPE-W PAVE STRIPING-TEMP REM TAPE-Y	LF LF	5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000         5000 <td< td=""><td>5000           5000</td><td></td></td<>	5000           5000	
E II		PAVE MARKING-THERMO X-WALK-6 IN	LF	10150	10150	
	06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	1562	1562	
		PAVE MARKING-DOTTED LANE EXTEN	LF	195	195	
		PAVE MARKING-THERMO STR ARROW	EACH	7		
10.		PAVE MARKING-THERMO CURV ARROW PAVE MARKING-THERMO COMB ARROW	EACH EACH	143		
14, 2		PAVE MARKING-THERMO YIELD BAR-36 IN	LF	42		
us†		STRIPING REMOVAL 6	LF	175000	175000	
Aug	24935EC	CONCRETE PAINT (MEDIAN)	SQYD	1233	1233	
ffre TED:		FUEL ADJUSTMENT (3)	DOLL	26285     48964	26285           48964	
PL0T		TEMP RELOCATION OF SIGNAL HEAD (7)	EACH	375	375	
SER: Ate f		REMOVE NON-MOUNTABLE MEDIAN 6	SQYD	642	642	
	23158ES505	DETECTABLE WARNINGS	SQFT	2205	2205	
005U		PAVE MARKING-PAINT WORDS (5)	EACH	10		
R002	24489EC 02242	INLAID PAVEMENT MARKER WATER	EACH MGAL	1830     1998	1830           1998	
		CRUSHED AGGREGATE SIZE NO 57	TON	2354	2354	
T NA	01719	ADJUST INLET	EACH	2		
SHEE		ADJUST MANHOLE	EACH	109	109	
	02015	CEMENT CONCRETE ISLAND (8)	SQYD LF	466     52     52     52	466	
832	21341ND	BOLLARDS	EACH	5		
.11.9.		DROP BOX INLET TYPE 12 (FRAME AND GRATE)	LF	20 20 20 20 20 20 20 20 20 20 20 20 20 2	20	
s 8						
ppoy						

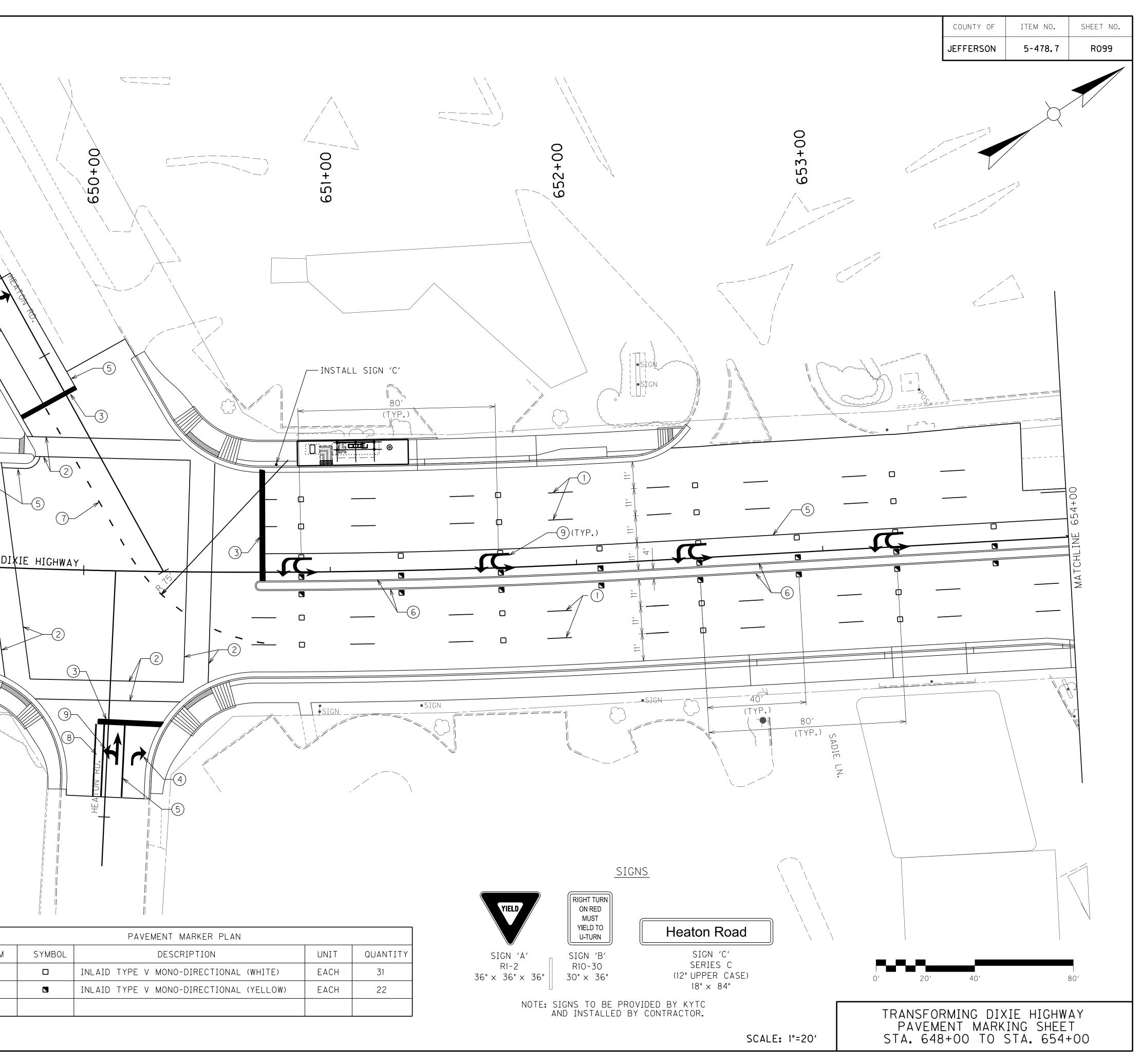
JEFFERSON	5-478.7	B002
COUNTY OF	ITEM NO.	SHEET NO.

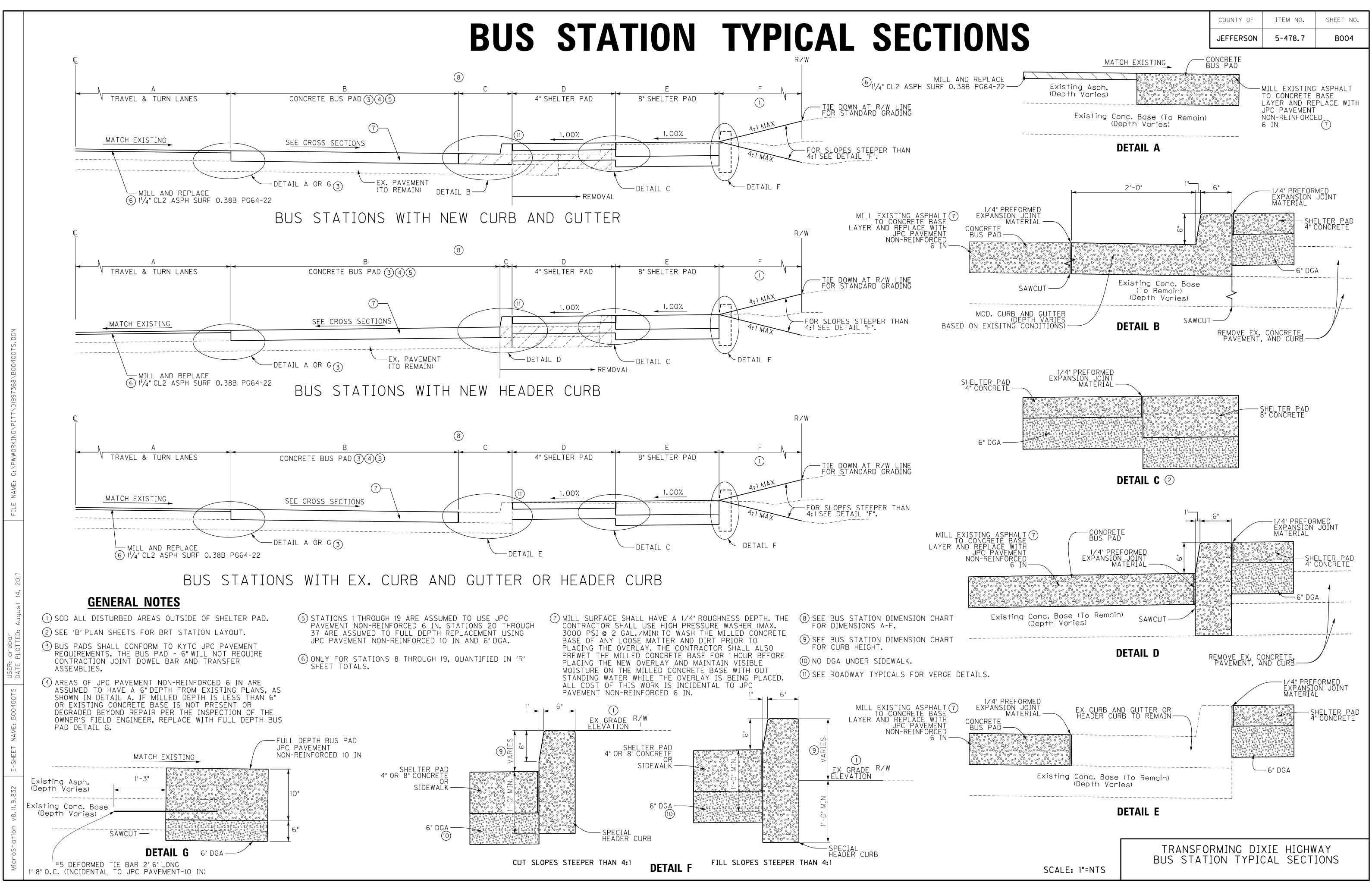


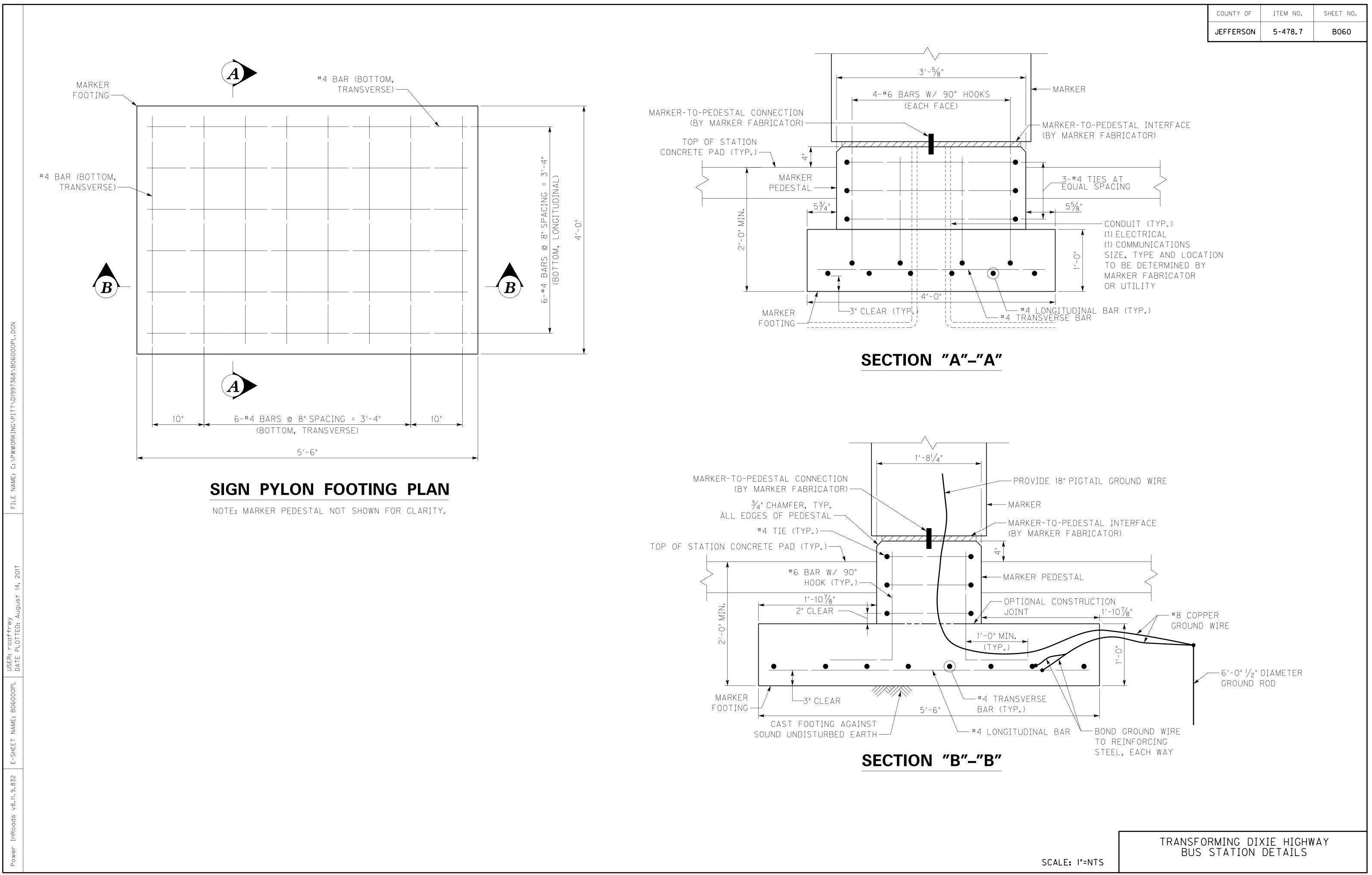


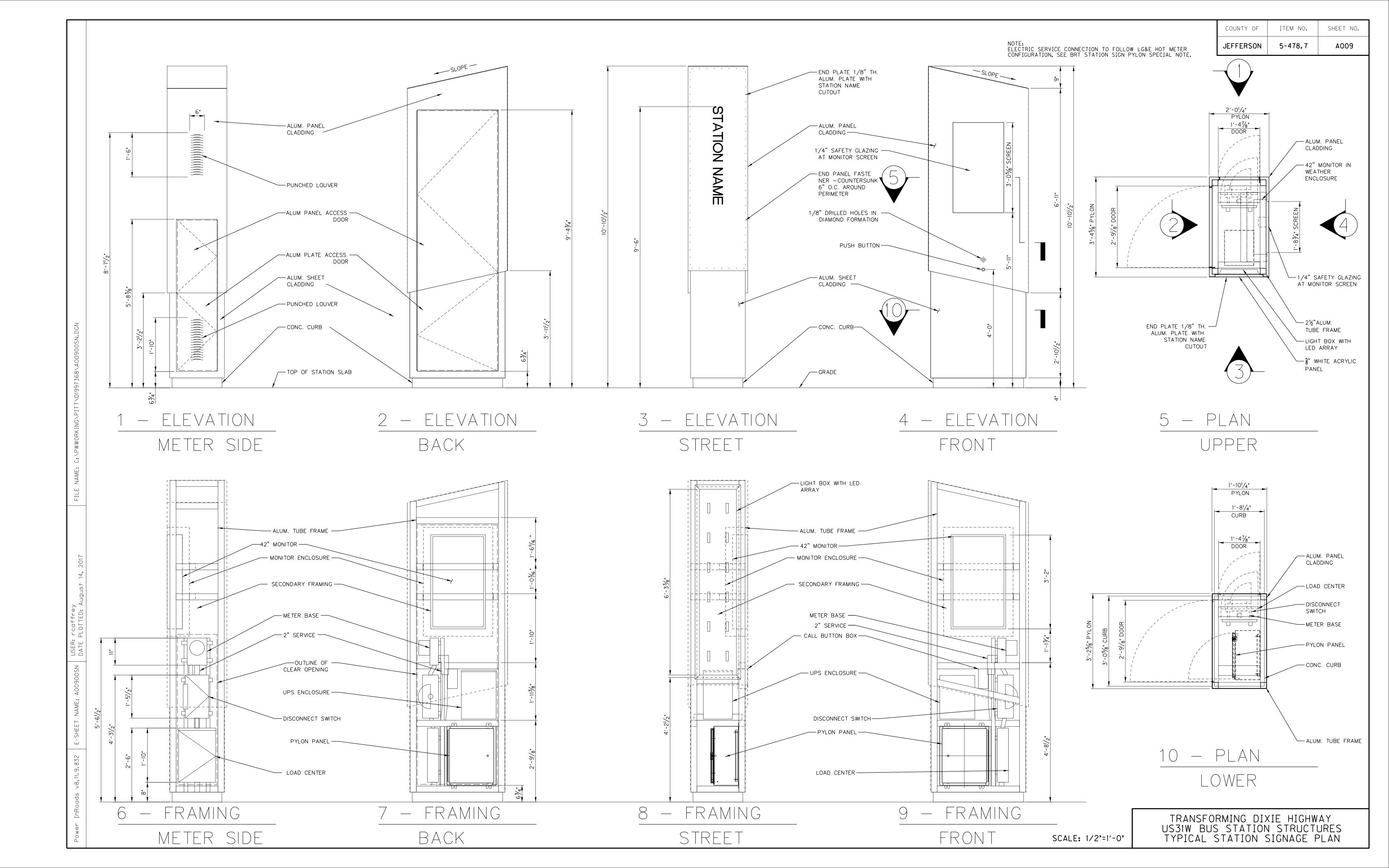
PAVEMENT MARKER PLAN						
ITEM	SYMBOL	DESCRIPTION	UNIT	QUANTITY		
589		INLAID TYPE V MONO-DIRECTIONAL (WHITE)	EACH	32		
590		INLAID TYPE V MONO-DIRECTIONAL (YELLOW)	EACH	24		

		PAVEMENT MARKING PLAN							
	BID ITEN	M DESCRIPTION	UNIT	QUANTITY					
	6514	PAVE STRIPING-PERM PAINT-4 IN-W	LIN FT	1,142		λ.,	$\leq$ — — — —		
	6514	PAVE STRIPING-PERM PAINT-4 IN-Y	LIN FT	1,027					
	6515	PAVE STRIPING-PERM PAINT-6 IN-W	LIN FT	-		\ \			
	6515	PAVE STRIPING-PERM PAINT-6 IN-Y	LIN FT	-				,	
	6565	PAVE STRIPING-THERMO CROSSWALK-6 IN	LIN FT	643	`\			1_	\ \
	6568	PAVE MARKING-THERMO STOP BAR-24 IN	LIN FT	144			0		00
	6572	PAVE MARKING-DOTTED LANE EXTENSION	LIN FT	31				<u> </u>	651+00
	6573	PAVE MRKG-PREF THERM STR ARROW	EACH	_			<b>65(</b> )		551
	6574	PAVE MRKG-PREF THERM CURVE ARROW	EACH	3		`_`\			
	6575	PAVE MRKG-PREF THERM COMBO ARROW	EACH	8					
	6601N(	C PAVE MRKG-PAINT WORDS "BUS ONLY"	ЕАСН	_					
	22520	EN PAVE MRKG-THERMO YIELD BAR-36 IN	LIN FT	14					
	L								<
\R09900DS.DGN		INSTALL SIGN	'A' & 'B'						- INSTALL SIGN 'C'
: C:\PWWORKING\PITT\D1997368	C					(IE HIGHWA			
7 FILE NAME:				3		2	3		
, 2017	free free			>  <u> </u>					•
ar ED: August 14,		LEGEND		•SIGN					SIGN
USER: crebar DATE PLOTTED:	(10' (2) PAV	'EMENT STRIPING - PERMANENT PAINT - 4 INCH BROKEN LENGTH, 30'GAP) 'EMENT MARKING - THERMOPLASTIC CROSSWALK - 6 INCH WIDTH CROSSING MAINLINE, 8'WIDTH CROSSING SIDE ST	H WHITE						
DS	3 PAV	EMENT MARKING - THERMOPLASTIC STOP BAR - 24 INCH	H WHITE						
S009900BS		EMENT MARKING - PREFORMED EXTRUDED THERMOPLASTI	C -						
		ECTIONAL CURVED ARROW - WHITE							
NAME	$\bigcirc$	'EMENT STRIPING - PERMANENT PAINT - 4 INCH WHITE				11    			
н	$\bigcirc$	EMENT STRIPING - PERMANENT PAINT - 4 INCH YELLOW							
E - SHE		'EMENT STRIPING - PERMANENT PAINT - 8 INCH DOTTED _ENGTH, 6' GAP)	WHITE						
	$\frown$	'EMENT STRIPING - PERMANENT PAINT - 4 INCH DOUBLE	YELLOW	ſ			PAVEMENT MARKER PLAN		
9.832	$\bigcirc$	EMENT MARKING - PREFORMED EXTRUDED THERMOPLASTI		-	BID ITEM	SYMBOL	DESCRIPTION		UNIT QUANTITY
v8.11.9		ECTIONAL COMBINATION ARROW - WHITE	-	-	6589		INLAID TYPE V MONO-DIRECTIONAL	(WHITE)	EACH 31
ation v		'EMENT MARKING - PREFORMED EXTRUDED THERMOPLASTI ECTIONAL STRAIGHT ARROW - WHITE	.C -	-	6590		INLAID TYPE V MONO-DIRECTIONAL		EACH 22
oS+	(11) PAV	EMENT MARKING - PREFORMED EXTRUDED THERMOPLASTI S ONLY"	C -						
Micr		EMENT MARKING - THERMOPLASTIC YIELD BAR - 36 INC	H WHITE						









		ITS SUB SUMMARY										
ITEM	DESCRIPTION	UNIT	I030	I031	1032	I 0 3 3	1034	1035	I036	1037	I038	I039
01642	JUNCTION BOX-18 IN	EACH	1	1	3	13	10	1	12		11	
04792	CONDUIT-1 IN	LF				223	248		198		158	
04795	CONDUIT-2 IN	LF	12	12	206	553	283	9	342	3	552	6
04797	CONDUIT-3 IN	LF										
04820	TRENCHING AND BACKFILLING	LF	12	12	14	341	40	9	342	3	495	6
04899	ELECTRICAL SERVICE	EACH				2	2		2		2	
21543EN	BORE AND JACK CONDUIT	LF			184	217	50				70	
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF										
01650	JUNCTION BOX (CONCRETE 32")	EACH										
24921EC	CONDUIT RISER-2 IN	EACH	1	1	1	4	5	1	5	1	5	1
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH	1	1	1	3	3	1	3	1	3	1
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)											
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF								,		
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH				1	1				1	   ,
24923EC	CABINET FIBER TERMINATION PANEL	EACH										
24924EC 24925EC	AIR LINK COMMUNICATION LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH EACH	1	1	1	1	1	1	1	1	1	   1
24925EC 24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH					I					
24928EC 24927EC	LAYER 2 ETHERNET SWITCH * RACK MOUNT	EACH										
24928EC	FIREWALL UNIT * RACK MOUNT	EACH										
24929EC	MICROTRENCHING	LF										
24930EC	MICRO-DUCT PATHWAY-2 CELL											
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF										
24932EC	CONDUIT REPAIR	LF										
24933EC	JUNCTION BOX REPAIRED	EACH										
04888	MESSENGER - 4500 LB	LF	5	5	5	196	185	5	402	5	191	5
_							_					

- (1) ITS SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS.
- ② ALL NOTES FOR SPECIAL ITS AND TRAFFIC PAY ITEMS -SEE THE ITS SPECIAL NOTES.
- (3) ALL UNDERGROUND CONDUIT FROM THE PYLON TO SHELTER AND CONDUIT FOR FUTURE USE SHALL BE 1".
- (4) ALL UNDERGROUND CONDUIT FOR 12 FIBER DROP CABLE TO PYLON OR SIGNAL CABINET SHALL BE 2".
- (5) ALL UNDERGROUND CONDUIT FOR ELECTRIC FROM POWER SOURCE TO PYLON SHALL TO BE 2".
- 6 ALL UNDERGROUND CONDUIT FOR 144 FIBER SHALL BE 3" UNLESS NOTED AS MICRO TRENCH. (9TH STREET)
- ALL UNDERGROUND CONDUIT SHALL BE INSTALLED IN OPEN TRENCHING UNLESS OTHERWISE NOTED.
- 8 ALL UNDERGROUND CONDUIT UNDER ROADWAYS SHALL BE RIGID STEEL. OTHER CONDUITS TO BE PVC SCHEDULE 80.
- 9 ALL QUANTITIES SHOWN UNDER "PROJECT ENGINEER APPROVED" TO BE APPROVED ON AN AS NEEDED BASIS IN THE FIELD BY THE PROJECT ENGINEER.
- 10 UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- (1) UNLESS OTHERWISE NOTED, ALL MICRO TRENCHING FOR 144 FIBER SHALL BE CUT ALONG THE EAST SIDE OF DIXIE HIGHWAY, GENERALLY CENTERED IN THE OUTSIDE LANE AND PARALLEL TO THE CURB/EOP. EXTRA CARE SHALL BE TAKEN TO AVOID TRENCHING IN WHEEL PATHS AND TO PROVIDE ADEQUATE CLEARANCE TO ALL EXISTING MANHOLES AND VALVES.

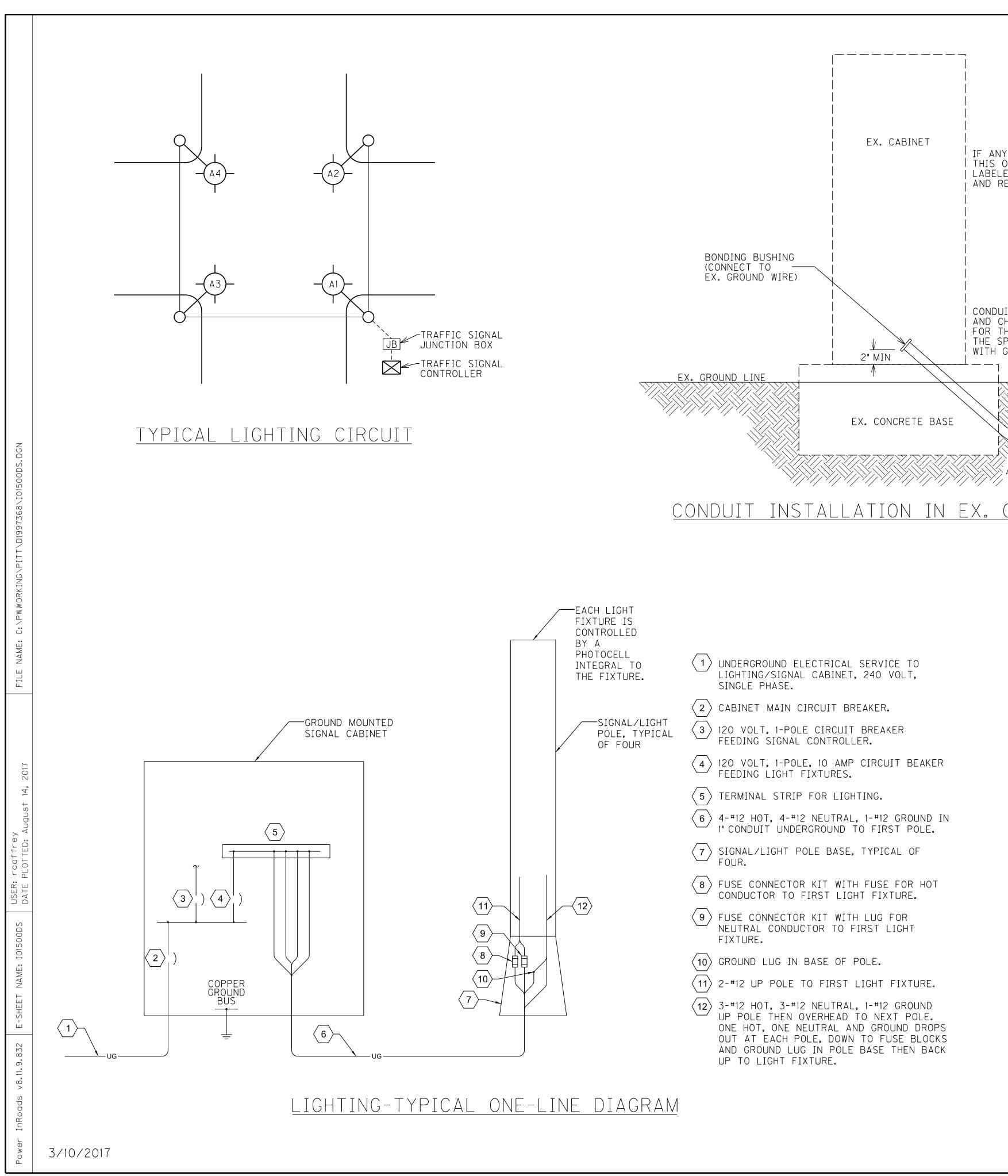
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ITEM	DESCRIPTION	UNIT	I058	I059	I060	I061	1062	I063	I064	1065	1066	PROJECT ENGINEER APPROVED
01642	JUNCTION BOX-18 IN	EACH			10		9	3				
04792	CONDUIT-1 IN	LF			148		146	70		22	28	
04795	CONDUIT-2 IN	LF			490		414	133		30	108	
04797	CONDUIT-3 IN	LF			90	1200	1202	978				
04820	TRENCHING AND BACKFILLING	LF			351		160	71		30	125	
04899 21543EN	ELECTRICAL SERVICE         BORE AND JACK CONDUIT	LF EACH			2 304	1200	2 1504	1077	115	I	2	
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF	1200	1200	712	1200	1304	165	1126	187		
01650	JUNCTION BOX (CONCRETE 32")	EACH	.200		2	1	1	2				
24921EC	CONDUIT RISER-2 IN	EACH			3							
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	EACH			3		2	1		1		
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756							
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1200	1200	1124	1275	1277	1368	1157	462		
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			2		1	2		1		
24923EC	CABINET FIBER TERMINATION PANEL	EACH			1							
24924EC	AIR LINK COMMUNICATION	EACH			4						2	
24925EC 24926EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT         INTERIOR FIBER OPTIC PATCH PANEL	EACH EACH									1	
24927EC	LAYER 2 ETHERNET SWITCH * RACK MOUNT	EACH			2						1	
24928EC	FIREWALL UNIT * RACK MOUNT	EACH			2						1	
24929EC	MICROTRENCHING	LF			17			194				
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF					162	99		15		
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1200	824	1200	1202	1143	1226	187		
24932EC	CONDUIT REPAIR	LF										100
24933EC	JUNCTION BOX REPAIRED	EACH										5
04888	MESSENGER - 4500 LB	LF										

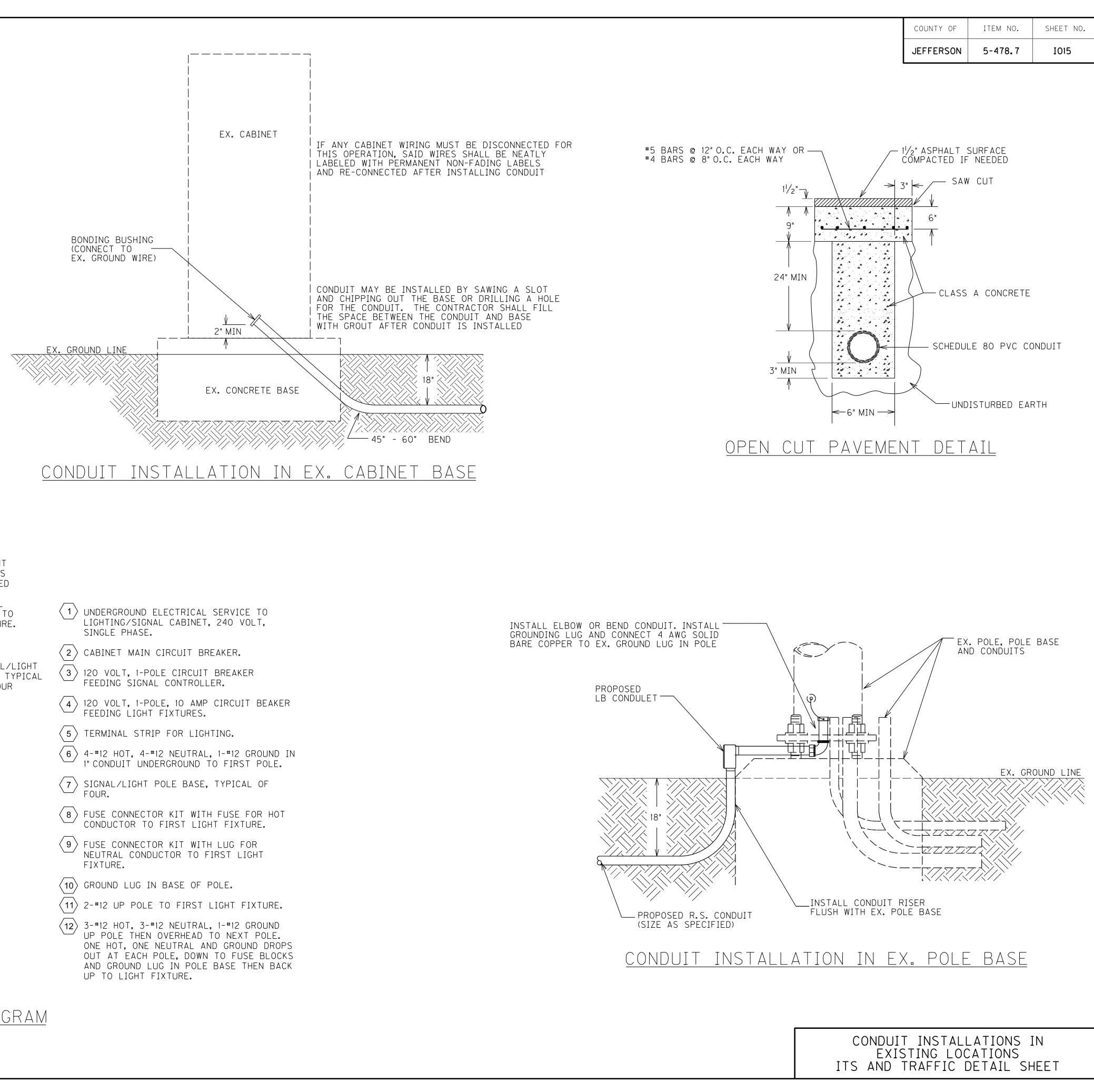
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COUNTY OF	ITEM NO.	SHEET NO.

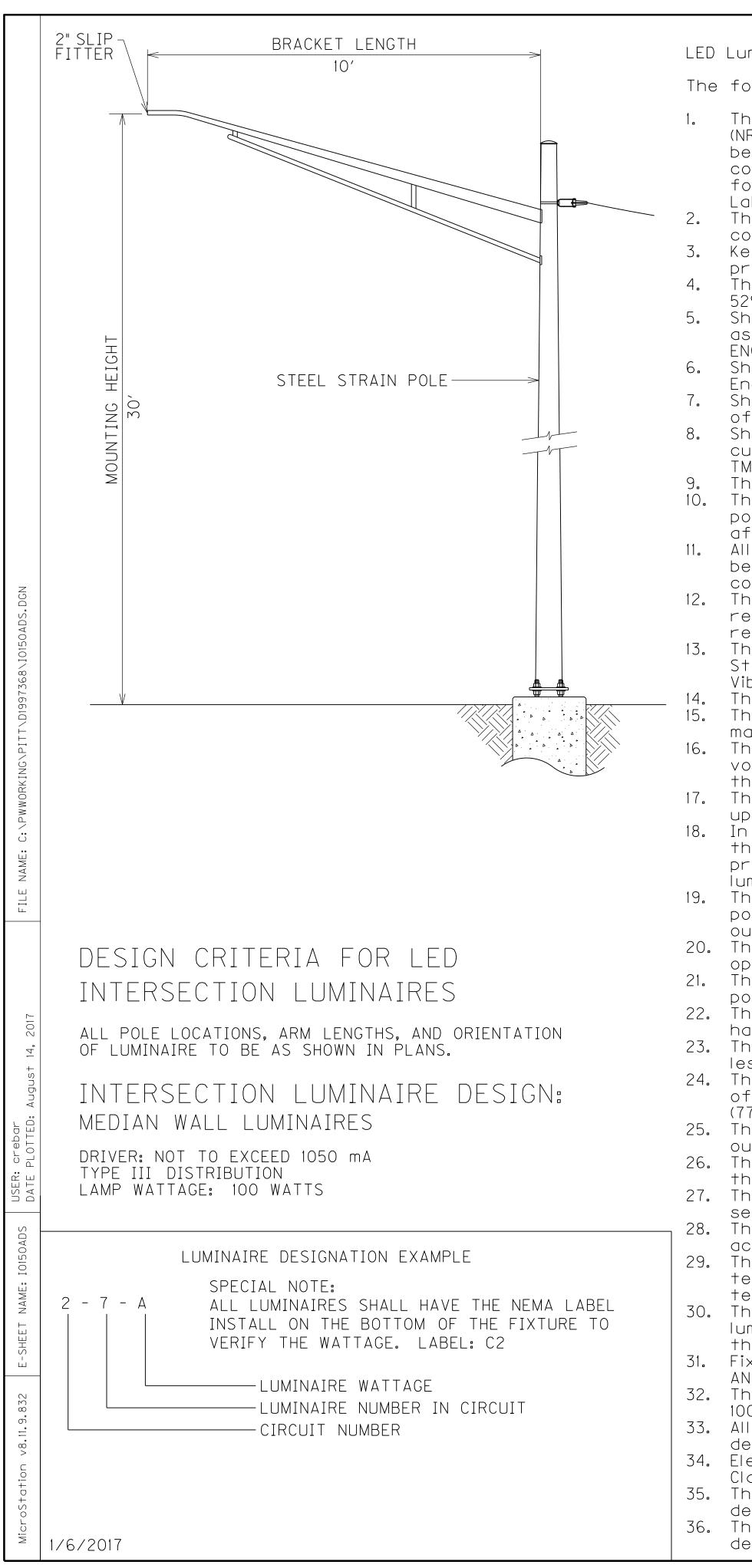
JEFFERSON 5-478.7 1005

SUB SUMMARY SHEET 1	SUB SUMMARY SHEET 2	SUB SUMMARY SHEET 3	GRAND TOTAL
82	52	52	208
2688	827	716	4645
2688	1987	1542	7392
0	80	161	3711
1734	1283	1211	4965
11	8	9	36
599	601	584	5984
0	0	1210	5800
0	5	18	29
36	25	9	73
26	21	17	71
0	0	0	756
0	5297	19415	33775
15	13	8	42
15	13	8	37
0	0	0	2
0	13 0	8 0	2
0	0	0	3
0	0	0	3
0	4573	15349	20133
0	31	16801	17108
0	4542	0	12724
0	0	0	100
0	0	0	5
1101	1004	0	2105
·			

- 1) ITS SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS.
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- (4) ALL UNDERGROUND CONDUIT FOR 12 FIBER DROP CABLE TO PYLON OR SIGNAL CABINET SHALL BE 2".
- 5 ALL UNDERGROUND CONDUIT FOR ELECTRIC FROM POWER SOURCE TO PYLON SHALL TO BE 2".
- 6 ALL UNDERGROUND CONDUIT FOR 144 FIBER SHALL BE 3" UNLESS NOTED AS MICRO TRENCH. (9TH STREET)
- ALL UNDERGROUND CONDUIT SHALL BE INSTALLED IN OPEN TRENCHING UNLESS OTHERWISE NOTED.
- 8 ALL UNDERGROUND CONDUIT UNDER ROADWAYS SHALL BE RIGID STEEL. OTHER CONDUITS TO BE PVC SCHEDULE 80.
- (9) ALL QUANTITIES SHOWN UNDER "PROJECT ENGINEER APPROVED" TO BE APPROVED ON AN AS NEEDED BASIS IN THE FIELD BY THE PROJECT ENGINEER.
- (1) UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- (1) UNLESS OTHERWISE NOTED, ALL MICRO TRENCHING FOR 144 FIBER SHALL BE CUT ALONG THE EAST SIDE OF DIXIE HIGHWAY, GENERALLY CENTERED IN THE OUTSIDE LANE AND PARALLEL TO THE CURB/EOP. EXTRA CARE SHALL BE TAKEN TO AVOID TRENCHING IN WHEEL PATHS AND TO PROVIDE ADEQUATE CLEARANCE TO ALL EXISTING MANHOLES AND VALVES.

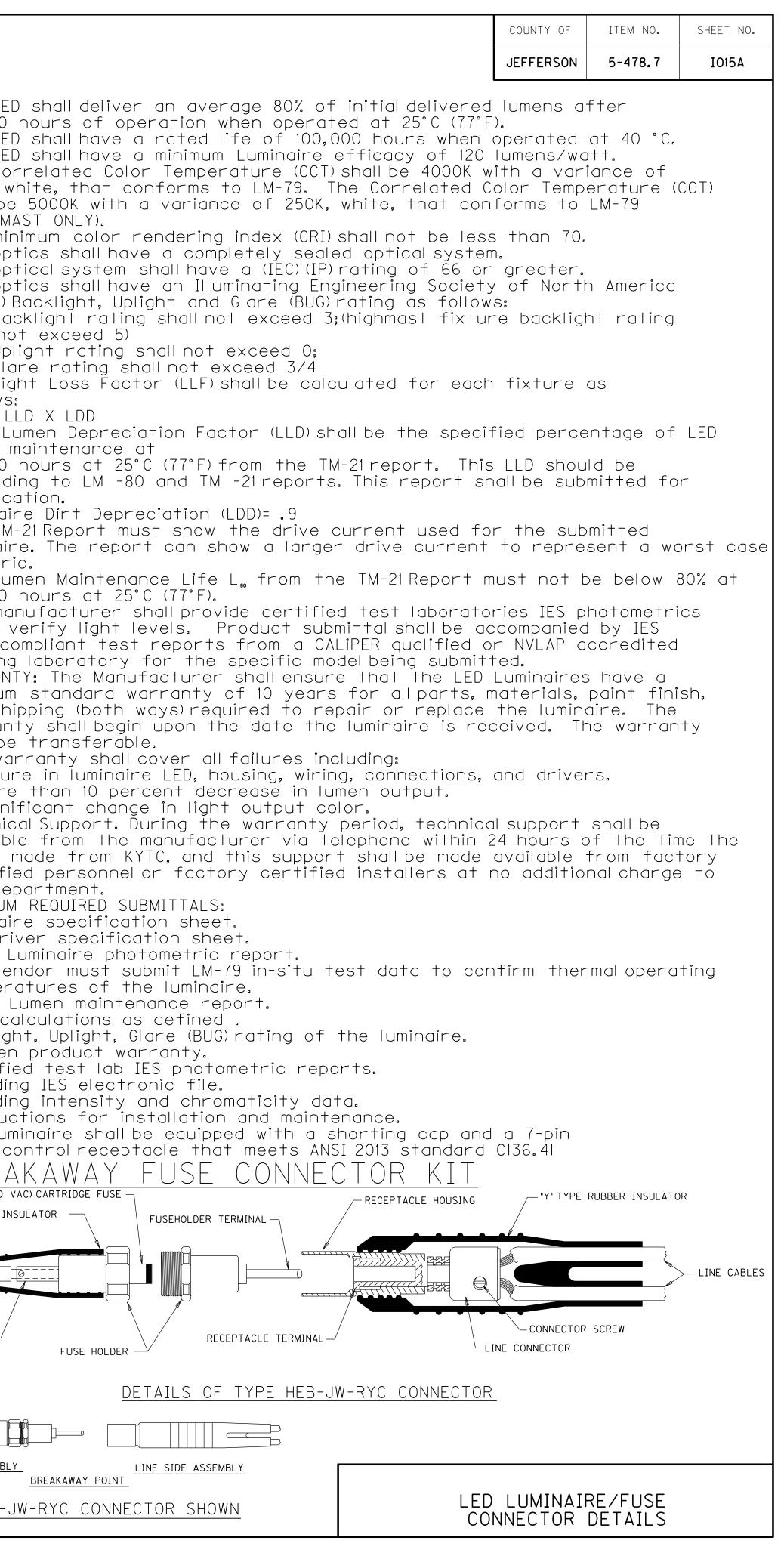


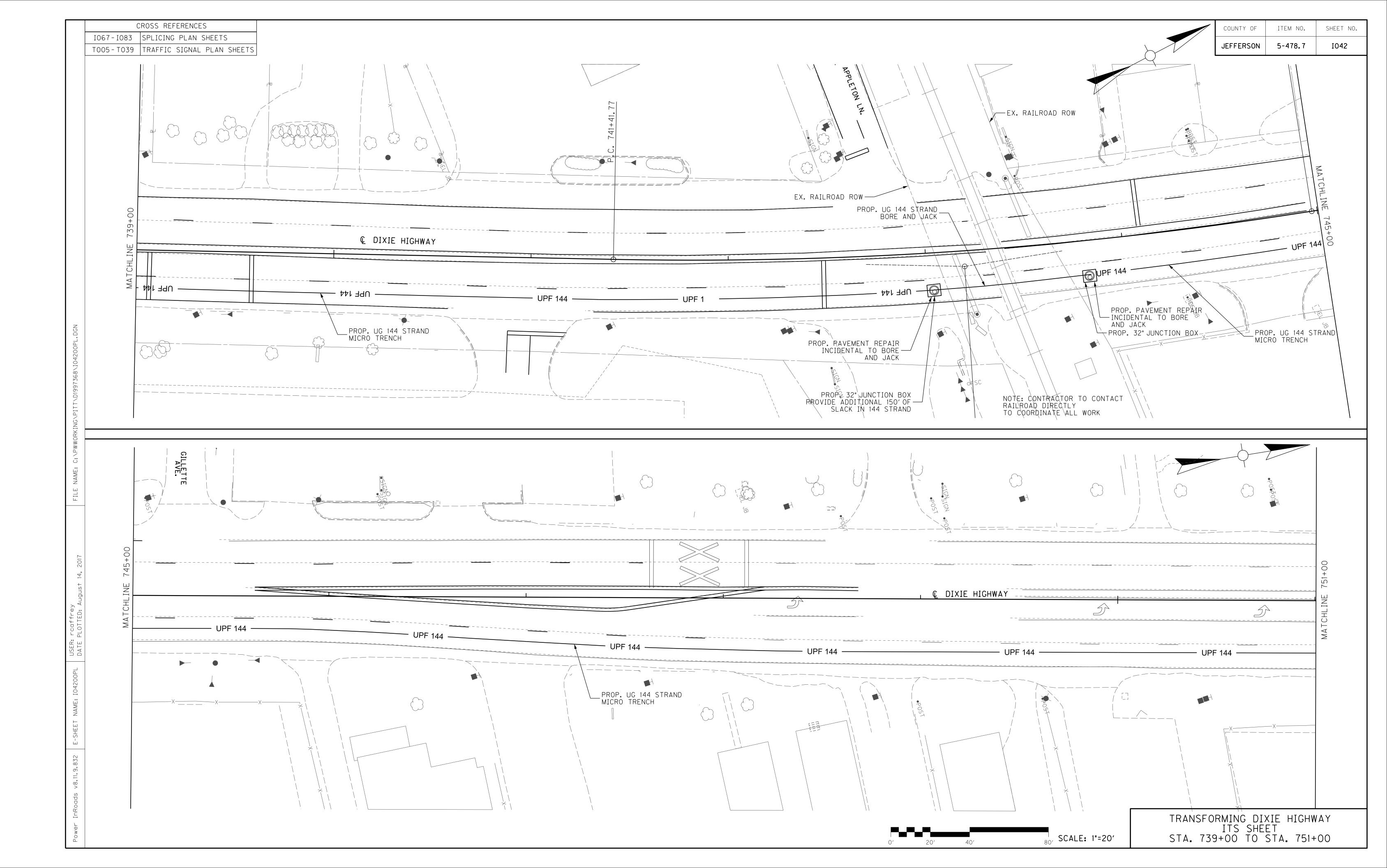




### LED Luminaire Specifications

ollowing are the required Specifications for the LED Fixture:		
ne Luminaire shall be listed by a National Recognized Testing Laboratory RTL) as defined by the U.S. Department of Labor. The testing laboratory must e listed by OSHA in its scope of recognition for the applicable tests being onducted as required by this specification. A list of recognized testing labs or products sold in the United States may be found on the U.S. Department of abor's web site: http://www.osha.gov/	38. 39. 40.	The LE
The Luminaire shall be listed and labeled by a NRTL or CSA as being in compliance with UL 1598 and suitable for use in wet locations. By components including LED drivers, LED light sources, and surge rotection devices shall be RoHS compliant. The housing shall have an International Electrotechnical Commission (IEC) 29 Ingress Protection (IP) rating of IP 65 or greater. Thall be in compliance with Electro Magnetic Interference (EMI) requirements and be fined by FCC 47 Sub Part 15; CISPR15, CISPR22 Class A (120Vmin), 161000-3-2, -3-3, -4-4, -4-5.	41. 42. 43. 44.	(HIGH N The mi The op The op
hall be tested according to the most current version of Illuminating Ingineering Society of North America (IESNA)LM-79. In all have lumen maintenance measured in accordance the most current version f Illuminating Engineering Society of North America (IESNA)LM-80. In all have long term lumen maintenance documented according to the most urrent version of Illuminating Engineering Society of North America (IESNA) M-21.	45.	c. Gi The Li follows LLF = I Lamp L Iumen
The fixture shall have a diecast aluminum housing. The luminaire finish shall be corrosion resistant with a polyester owdercoat of 2.5 mil nominal thickness. Finish shall pass per ASTM D1654 fter 3000 hours of testing per ASTM B117. I hardware on the exterior of the housing including cover and latch shall e stainless steel, zinc or steel with zinc alloy electroplate and chromate top bat. The luminaire shall be easy to open when properly mounted and shall have eadily accessible internal parts. Access to all internal parts requiring eplacement shall not require tools (i.e. "tool-less entry").	46. 47. 48.	luminai scenar The Lu 70,000
The luminaire shall have a vibration rating of 3G per the American National tandard (ANSI) IEEE C136.31, Table 2 Roadway Lighting Equipment -Luminaire bration for both normal applications and bridge and overpass applications. The luminaire shall be designed to allow water shedding. The luminaire shall have a passive cooling method shall be employed to anage thermal output of LED light engine and power supply. The luminaire shall have a label per ANSI C136.22 that states operating boltage and current range. The label must be clearly visible on the inside of the housing. The luminaire shall fully operate in a temperature range of -40 degrees C to 40 degrees C (-40 degrees F to 104 degrees F).	49.	TM-21 c testin
The original HPS fixture if you are replacing one for one. For the optimized roposal, we will allow the wattage to be greater than the original proposed minaire. The luminaire shall have an integral power supply (electronic driver). The power supply shall not have a manual, field-adjustable setting for current utput. The luminaire shall have a power supply (electronic driver) that will berate on a 480 volt single phase at 60 hertz. The luminaire shall have a power supply (electronic driver) that has a power factor of .90 or greater at full load. The luminaire shall have a power supply (electronic driver) that has total armonic distortion of 20% or less at full load. The luminaire shall have power supply (electronic driver) output ripple of ss than 10%. The luminaire shall have power supply (electronic driver) with a rated life	50.	availat call is certif the De
f 100,000 hours with a luminaire operated at an ambient temperature of 25°C 7°F). The luminaire shall have an isolated power supply (electronic driver) utput. The luminaire shall have a power supply (electronic driver) that has thermal overload protection. The luminaire shall have a power supply (electronic driver) that is elf-limited short circuit protected and over load protected. The luminaire shall not use any active thermal cutback, such as in order to	51. "L" T`	Includ Includ Instru The lu photoc <u>BRE</u> 6 AMP(480
chieve a higher thermal performance. The luminaire shall have a power supply (electronic driver) that is erminated with quick disconnect wire harnesses for easy maintenance. Wire nut ermination is not acceptable. The luminaire shall have a terminal block for terminating wiring to the minaire. The terminal block shall be a 3 station, tunnel lug terminal board that will accommodate #6 thru #18 AWG pole wire. NSI/IEEEC62.41.		AD CABLE D TERMINAL_/ REW TYPE)
ne luminaire shall have life rating on all electrical components of 0,000 hours or greater when operated at full lumen output at 25 degrees C. I LED components shall be L70 rated when operated in a luminaire at 25 egrees C (77 degrees F) at 100,000 hours. ectrical components shall be protected per ANSI/IEEE standard C62.41, for ass C applications. ne LED shall fully operate in a temperature range -40 degrees C to 40		SIDE ASSEMB
egrees C (-40 degrees F to 104 degrees F). The LED shall lose no more than a 15% optical intensity of initial Pelivered lumens due to thermal loading when operated at 25°C (77°F).		PE HEB-





ITEM	DESCRIPTION	UNIT	DIXIE HIGHWAY			
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	1881			
04723	BRACKET - 10 FEET	EACH	52			
04780	FUSED CONNECTOR KIT	EACH	104			
04792	CONDUIT-1 IN	LF	534			 
04794	CONDUIT-11/2 IN	LF	40			 
04795	CONDUIT-2 IN		4145			
04811	ELECTRICAL JUNCTION BOX TYPE B TRENCHING AND BACKFILLING	LF	108 5565			
04830	LOOP WIRE	LF	26397			
04832	WIRE-NO. 12	LF	7198			
04844	CABLE-NO. 14/5C	LF	28657			
04845	CABLE-NO. 14/7C	LF	1650			
04850	CABLE-NO. 14/1 PAIR	LF	13919			
04885	MESSENGER-10800 LB	LF	3870			
04895	LOOP SAW SLOT AND FILL		10028			
04899 24908EC	ELECTRICAL SERVICE INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH EACH	35			
04932	INSTALL STORAL CONTROLLER AT ATC WITH IC ATC MODULE/	EACH	33			
04950	REMOVE SIGNAL EQUIPMENT	EACH	94			
06472	INSTALL SPAN MOUNTED SIGN	EACH	40			
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH	40			
20188NS835		EACH	11			 
20188NS835		EACH	116			
20189NS835 20266ES835	INSTALL LED SIGNAL-5 SECTION 12 IN INSTALL LED SIGNAL-4 SECTION 12 IN	EACH EACH	8			
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH	46			
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD	145			
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH	2			
23206EC	INSTALL CONTROLLER CABINET	EACH	2			
23222EC	INSTALL SIGNAL PEDESTAL	EACH	28			
24589ED	LED LUMINAIRE	EACH	52			
24919EC 24916ED	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA) SYSTEM INTEGRATION	EACH LS	34			
24941EC	LED TRANSIT SIGNAL MODULE	EACH	30			
22939ND	INSTALL LUMINAIRE POLE	EACH	2			
						_

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T001

TRANSFORMING DIXIE HIGHWAY
TRAFFIC GENERAL SUMMARY
SHEET 1

Series V	ITEM	DESCRIPTION	UNIT	T005	T006	T007	T008	T009	T010	T011	Τ012	T013	T014	T015	T016	T017	T018	SUB SHEET <u>E</u> TOTALS	<u>NOTI</u>
Series         DOUBL DATE         DATE         DEP	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF											100	57	92	100	349	(1) TRAF
OPP243     CONCLAT A.M.     CP     CP <th< td=""><td>04723</td><td></td><td>EACH</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>4</td><td>4</td><td>4</td><td></td><td>GENE</td></th<>	04723		EACH											4	4	4	4		GENE
94-96     000001-12 in     100001-12 in     100000-11 in     1000000-11 in     100000-11 in     100000-	04780	FUSED CONNECTOR KIT	EACH											8	8	8	8	32	
1413     0000 01: 0100 01: 0100 020 1000     00000 0200000     01000 0200000     0100000000000000000000000000000000000														51	42	48	14		
34410       ECCLAINCE TWALTERE       ECCLAINCE TWALTERE <td></td>																			
0402       1750-000 AVD GOORT_LING       1750-0														55	90	90	41		
odesLoop SectorLoop SectorLoop SectorLoop SectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorS														191	4	139	3		
0432       925-bc. 12       926-bc. 12       926-bc. 12       920-bc. 12																			
0454       055 PAR FORMATOR       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1																			
9999     (AJL.NG. MA/C     (AJL.NG. MA/E)						310	150	300	240	320	40	270				-			
0 48.5 \cords     0 48.5 \cords     1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F      1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F     1 F <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																			
0499       LC07 AAA SL2* AAD FULL       LC07 AAAA SL2* AAD FULL       LC07 AAAAA SL2* AAD FULL       LC07 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			LF											1125	1221	770	715		
D4899       ELECTRICAL SERVICE       ELAP       ELAP       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I <th< td=""><td>04885</td><td>MESSENGER-10800 LB</td><td>LF</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>425</td><td>0</td><td>430</td><td>300</td><td>1155</td><td></td></th<>	04885	MESSENGER-10800 LB	LF											425	0	430	300	1155	
2430BEC       INSTALL SIGNAL CONTROLLER - TY ATC (WITH 10 ATC MODULE)       EACH       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       <	04895	LOOP SAW SLOT AND FILL	LF											619	775	658	370	2422	
C4932INSTALL STEEL. STRAIN POLEEACHEACHEACHINININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININININ <td>04899</td> <td>ELECTRICAL SERVICE</td> <td>EACH</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td>	04899	ELECTRICAL SERVICE	EACH											0	0	0	0	0	
04950       NERVOVE SIGNAL EQUIPMENT       CEACH       S       S       S       A       A       A       A       A       A       A       S       A       A       S       A       A       S       A       A       A       A       A       C       A       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <thc< th="">       C       C</thc<>	24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	
06472       INSTALL SPAN MOUNTED SIGN       EACH       EACH       A       A       A       C       C       C       A       C       A       C       A       C       A       C       A       C       A       C       A       C       A       C       A       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C	04932	INSTALL STEEL STRAIN POLE												4	0	2	2	8	
200303833INSTALL PEDESTRIAN HEAD-LEDCALEACHCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCALCAL <td></td> <td></td> <td></td> <td>3</td> <td>3</td> <td>5</td> <td>4</td> <td>4</td> <td></td> <td>5</td> <td>4</td> <td>5</td> <td>4</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td></td> <td></td>				3	3	5	4	4		5	4	5	4	1	0	1	1		
20188NS353INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)EACHEACH11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111<						4	2	2	2	4	2	4		2	3	2	1		
2018BNS355INSTALL LED SIGNAL-3 SECTION 12 INEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII<						-				-		<u> </u>		-	6	8	6		
20189NS835INSTALL LED SIGNAL-5 SECTION 12 INEACHEACHI211121112101001120266ES835INSTALL LED SIGNAL-4 SECTION 12 INEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td>2</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td>						2				2		2		-			-		
22266E383INSTALL LED SIGNAL 4 SECTION 12 IN MODELPARSEEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII<						2	1	1	1	2	1	2					5		
21743NNINSTALL PEDESTRIAN DETECTOREACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII<						۷		1		۷.		۷		-					
23157ENTRAFFIC SIGNAL POLE BASEORCUYDCUYDIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <td></td> <td>6</td> <td>8</td> <td>6</td> <td></td> <td></td>															6	8	6		
24937ECINSTALL EXTERNAL UPS SYSTEM CABINET CABINETEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII														18	0	9	8		
23222CINSTALL SIGNAL PEDESTALEACHEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td>										1		1		0	0	0	0		
24589E0LED LUMINAIRELED LUMINAIREEACHEACHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <td>23206EC</td> <td>INSTALL CONTROLLER CABINET</td> <td>EACH</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td>	23206EC	INSTALL CONTROLLER CABINET	EACH											0	0	0	0	0	
24919ECMULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)EACH11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	23222EC	INSTALL SIGNAL PEDESTAL	EACH											2	3	2	1	8	
24916D       SYSTEM INTEGRATION       LS       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I </td <td>24589ED</td> <td>LED LUMINAIRE</td> <td>EACH</td> <td></td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>16</td> <td></td>	24589ED	LED LUMINAIRE	EACH											4	4	4	4	16	
2494IEC LED TRANSIT SIGNAL MODULE EACH EACH 6 3 6 3 6 3 6 3 6 3 6 3 3				1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	
																		0	
2235N0       INSALLYANGUE OLE       LAM       LAM       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I<						6	3	3	3	6	3	6			3				
Image: Problem index	22939ND	INSTALL LUMINAIRE POLE	EACH															0	
Image: series of the series																			
Image: state of the state of																			
Image: Problem index and problem																			
Image: bound boound bound bound bound bound bound bound bound																			
Image: Constraint of the state of the sta																			
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SUMMARY TOTALS CARRIED TO TRAFFIC

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T002

ANSFORMING DIXIE HIGHWAY TRAFFIC SUB SUMMARY SHEET 1 OF 3

						FFIC :				Т		1			T		
ITEM	DESCRIPTION	UNIT	T019	T020	T021	T022	T023	T024	T025	T026	T027	T028	T029	T030	T 0 31	T032	S S NB S S S S S S S S S S S S S S S S S
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	207	279	198	174	113	232	97	53	179						15
04723	BRACKET - 10 FEET	EACH	4	4	4	4	4	4	4	4	4						
04780	FUSED CONNECTOR KIT	EACH	8	8	8	8	8	8	8	8	8						-
04792	CONDUIT-1 IN	LF	35	33	39	47	41	47	51	26	40						3
04794	CONDUIT-11/2 IN	LF															
04795	CONDUIT-2 IN	LF	124	140	260	181	45	76	77	0	55						9
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH	4	5	6	6	4	4	5	3	2						
04820	TRENCHING AND BACKFILLING	LF	184	139	175	203	125	75	116	59	81						11
04830	LOOP WIRE	LF	1954	1336	1958	2496	1662	1292	1752	1534	1846						158
04832	WIRE-NO. 12 CABLE-NO. 14/5C	LF	1759 2436	2020 3078	1945 1958	2170 2737	1663 2232	1698 1796	1801 1380	565 0	1714 1578						15.
04845	CABLE-NO. 14/3C		2430	3018	1900	2131	2232	1130	1300	0	1378						
04850	CABLE-NO. 14/1 PAIR	LF	1055	1080	1090	1205	680	450	1231	843	1124						87
04885	MESSENGER-10800 LB	LF	414	463	165	467	399	412	0	0	135						24
04895	LOOP SAW SLOT AND FILL	LF	748	515	747	982	641	530	863	590	661						62
04899	ELECTRICAL SERVICE	EACH															(
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.
04932	INSTALL STEEL STRAIN POLE	EACH	1	4	3	4	4	4	0	0	1						2
04950	REMOVE SIGNAL EQUIPMENT	EACH	1	1	1	1	1	1	1	1	1	4	4	6	4	4	
06472	INSTALL SPAN MOUNTED SIGN	EACH	2	2	1	1	2	0	0	0	1						C C
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH	6	8	6	8	8	6	8	0	4						5
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH															0
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH	10	12	12	11	10	9	0	0	8						7
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH															0
20266ES835	INSTALL LED SIGNAL-4 SECTION 12 IN	EACH	2	0	0	2	2	2	0	0	0						3
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH	6	8	6	8	8	6	8	0	4						5
23157EN 24937EC	TRAFFIC SIGNAL POLE BASE INSTALL EXTERNAL UPS SYSTEM CABINET	CUYD EACH	4	19	13	18	18		0	0	4						9
23206EC	INSTALL CONTROLLER CABINET	EACH										1	1				
23222EC	INSTALL SIGNAL PEDESTAL	EACH	2	3	3	3	2	1	2	0	2						18
24589ED	LED LUMINAIRE	EACH	4	4	4	4	4	4	4	4	4						30
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
24916ED	SYSTEM INTEGRATION	LS															С
24941EC	LED TRANSIT SIGNAL MODULE	EACH															C
22939ND	INSTALL LUMINAIRE POLE	EACH			2												2

TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS

COUNTY OF

ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

T003

TRANSFORMING DIXIE HIGHWAY TRAFFIC SUB SUMMARY SHEET 2 OF 3

	DESCRIPTION		Х Х Х	34	35	36	037	39	038			JB AARY ET 2	
ITEM	DESCRIPTION	UNIT	TO	TO		0 L	L D	ΤO		SUB SHEET TOTAI	SUMM SUMM	SUMN	
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF								0	349	1532	
04723	BRACKET - 10 FEET	EACH								0	16	36	
04780	FUSED CONNECTOR KIT	EACH								0	32	72	
04792	CONDUIT-1 IN CONDUIT-1 1/2 IN	LF			40				20	40	155 0	359 0	
04795	CONDUIT-2 IN				40	14	17		80	111	276	958	
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH							4	4	14	39	
04820	TRENCHING AND BACKFILLING	LF							100	100	485	1157	
04830	LOOP WIRE	LF							2905	2905	6790	15830	
04832	WIRE-NO. 12	LF								0	7114	15335	
04844	CABLE-NO. 14/5C	LF							1690	1690	9772	17195	
04845	CABLE-NO. 14/7C	LF								 0	1650	0	
04850	CABLE-NO. 14/1 PAIR								1330	 1330	3831	8758	
04885	MESSENGER-10800 LB LOOP SAW SLOT AND FILL	LF LF							260 1100	 260 1100	1155 2422	2455 6277	
04895	ELECTRICAL SERVICE	EACH			1				1100	1	0	0211	
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH 1C ATC MODULE)	EACH	1	1	1	1	1	1	1	7	14	14	
04932	INSTALL STEEL STRAIN POLE	EACH				· · · · ·			4	4	8	21	
04950	REMOVE SIGNAL EQUIPMENT	EACH	4	5	3	3	3	0	1	19	44	31	
06472	INSTALL SPAN MOUNTED SIGN	EACH								0	25	9	
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH							4	4	26	54	
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH								0	11	0	
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH							12	12	32	72	
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH								0	11	0	
20266ES835 21743NN	INSTALL LED SIGNAL-4 SECTION 12 IN INSTALL PEDESTRIAN DETECTOR	EACH EACH							1	0	0 26	54	
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD							17	17	35	93	
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH								0	2	0	
23206EC	INSTALL CONTROLLER CABINET	EACH								0	0	2	
23222EC	INSTALL SIGNAL PEDESTAL	EACH								0	8	18	
24589ED	LED LUMINAIRE	EACH								0	16	36	
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1	1	1	1	1	0	1	6	14	14	
24916ED	SYSTEM INTEGRATION	LS								0	0	0	
24941EC	LED TRANSIT SIGNAL MODULE	EACH								0	33	0	
22939ND	INSTALL LUMINAIRE POLE	EACH								0	0	Ζ	

TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS

COUNTY OF

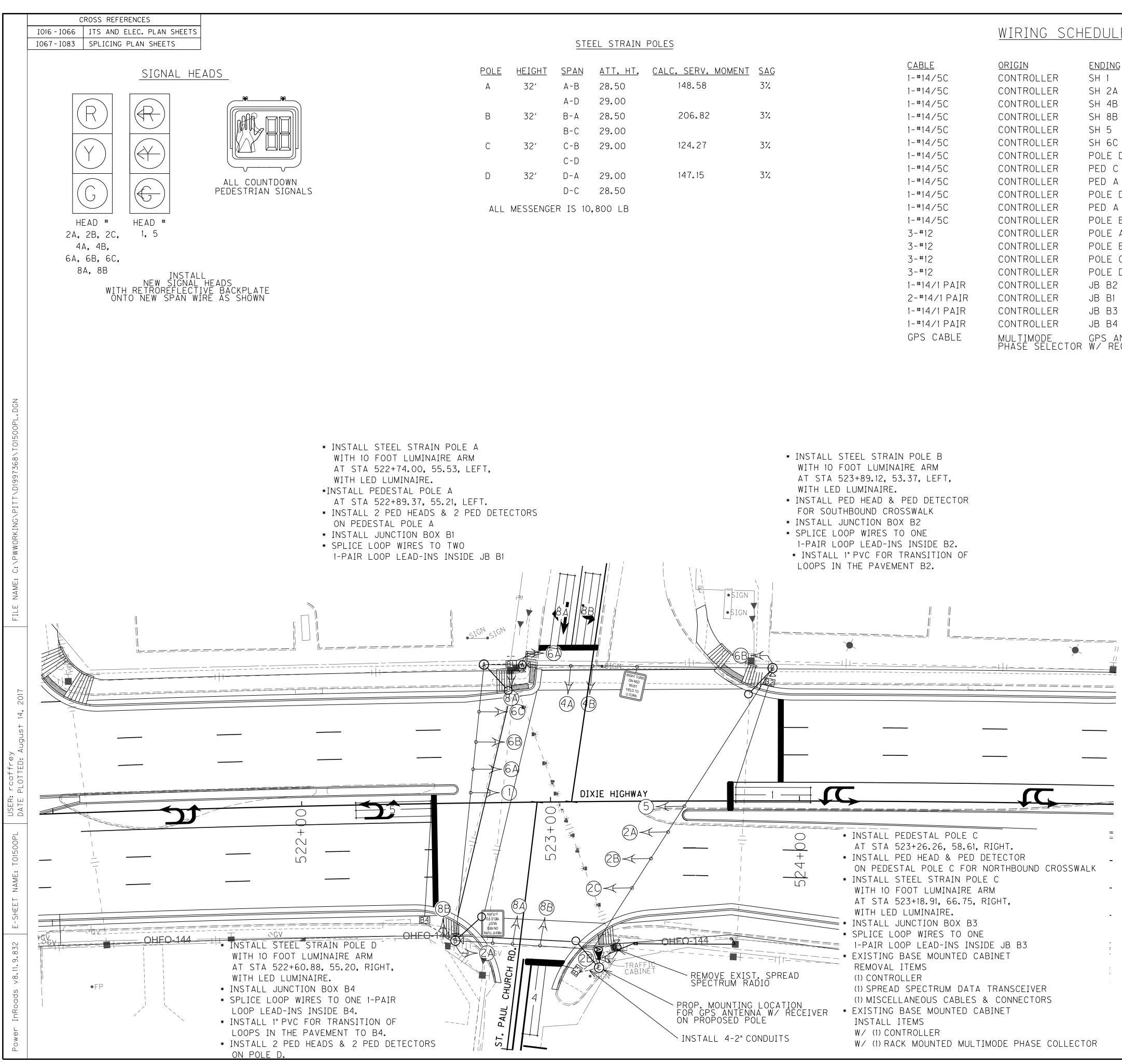
ITEM NO.

JEFFERSON 5-478.7

SHEET NO.

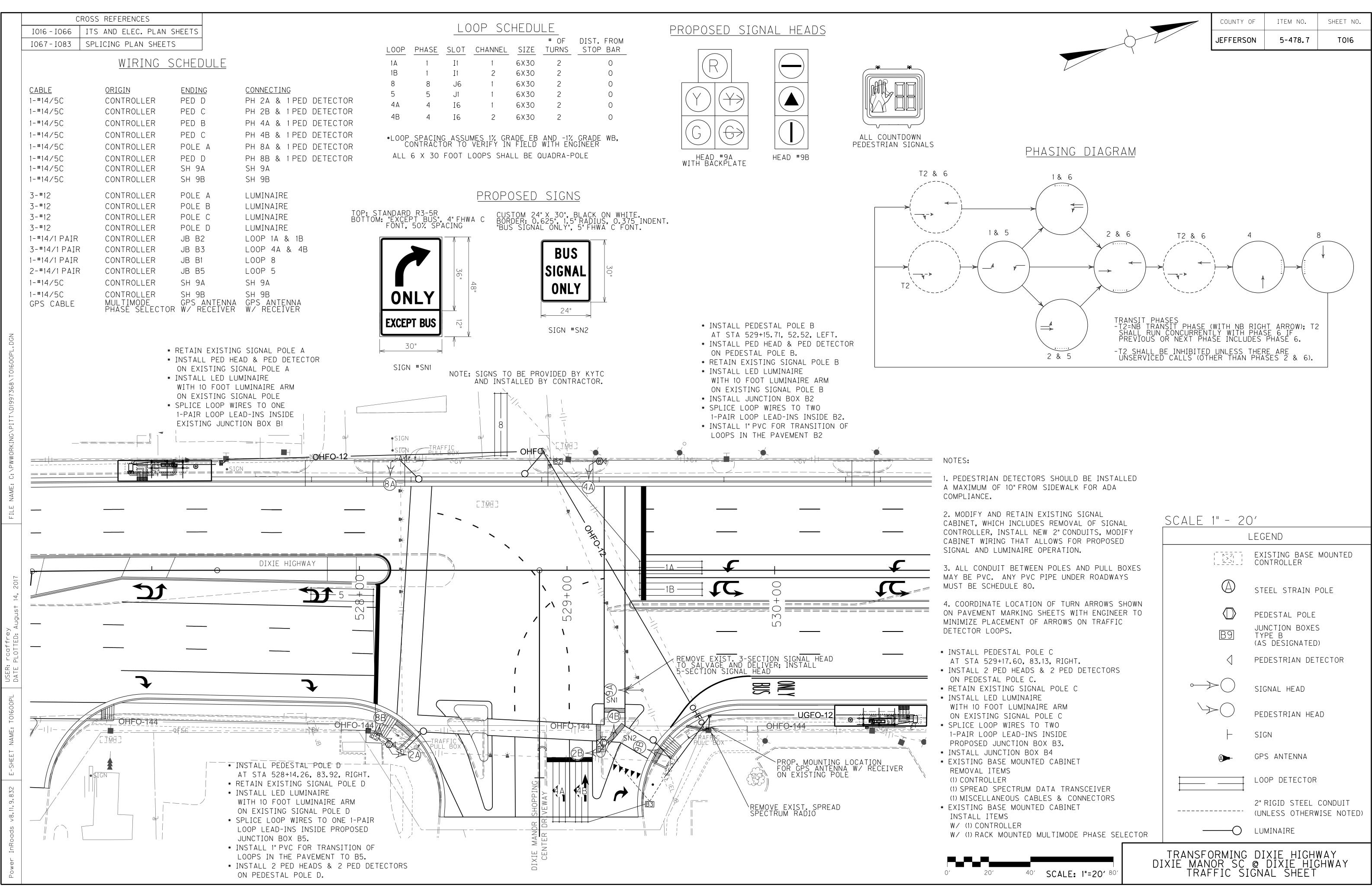
T004

# TRANSFORMING DIXIE HIGHWAY TRAFFIC SUB SUMMARY SHEET 3 OF 3

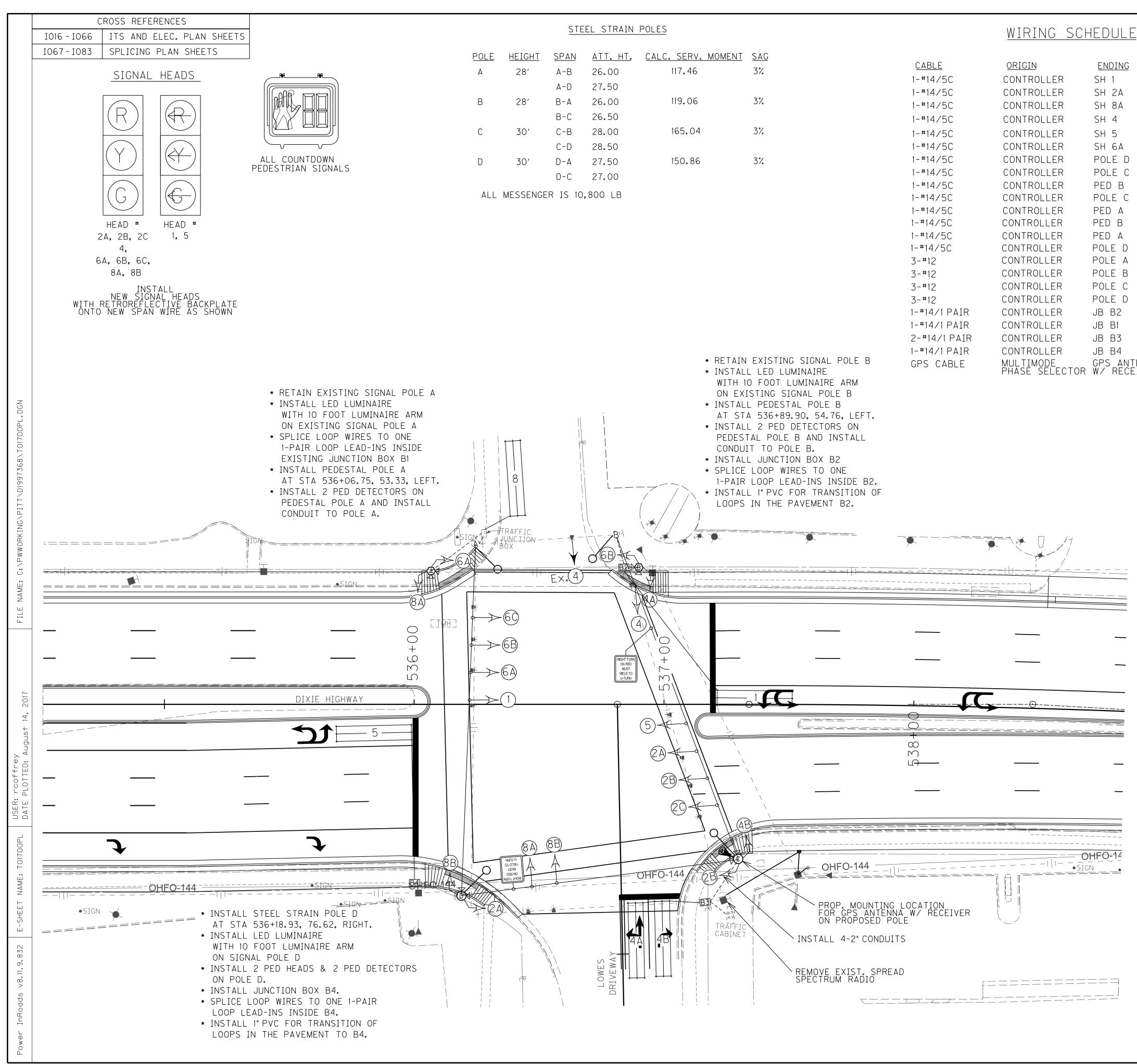


	WIRING SCH	FDIII F					COUNTY OF	ITEM NO.	SHEET NO.
	MININO JUI						JEFFERSON	5-478.7	T015
<u>CABLE</u> -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#14/5C -#12 3-#12 3-#12 3-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#12 S-#14/1 PAIR -#14/1 PAIR -#14/1 PAIR -#14/1 PAIR SPS CABLE	ORIGIN CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER	ENDING SH 1 SH 2A SH 4B SH 8B SH 5 SH 6C POLE D PED C PED A POLE D PED A POLE D PED A POLE B POLE A POLE B POLE A POLE B POLE C POLE D JB B2 JB B1 JB B3 JB B4 GPS ANTENNA W/ RECEIVER	CONNECTING SH 1 SH 2A & 2B & 2C SH 4A & 4B SH 8A & 8B SH 5 SH 6A & 6B & 6C PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 8B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR PH 6B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LUMINAIRE LOOP 1 LOOP 8A & 8B LOOP 4 LOOP 5 GPS ANTENNA W/ RECEIVER	ר ר ר ר	1 8A 8B 4 5 *LOOP S CON	LOC HASE SLOT 1 I1 8 J6 8 J6 4 I6 5 J1 PACING ASSUM TRACTOR TO V X 30 FOOT LC	CHANNEL SIZ 1 6X3 1 6X3 2 6X3 1 6X3 1 6X3 1 6X3 1 6X3 ES 1% GRADE ERIFY IN FIEL	# OF D ZE TURNS 2 30 2 30 2 30 2 30 2 30 2 30 2 30 2 30	
POLE B E ARM 37, LEFT, ED DETECTOR WALK B2 ONE INSIDE B2. ANSITION OF T B2.						N		SIGNS RIGHT TURN ON RED MUST YIELD TO U-TURN SIGN 'A' R10-30 30" × 36" O BE PROVIDE TALLED BY CO	
		MAX COM 2. T FOR PREI ATT ARE POL REPI FAC SUP TO CON	EDESTRIAN DETECTORS SHOUL IMUM OF 10" FROM SIDEWALK PLIANCE. THE CABINET SHALL SUPPLY OF MESSENGER CABLE ATTACHME IMINARY DESIGN OF THE POL ACHMENT LOCATIONS FOR CLA MORE THAN 2 FEET FROM THE , THE CONTRACTOR SHALL PH ACEMENT CLAMP ASSEMBLIES ILITATE THE INSTALLATION. OF PLIED CLAMP ASSEMBLIES SH THE INSTALLATION OF THE ST TRACTOR SUPPLIED CLAMP ASSEME	FOR ADA CLAMP ASSE ENTS BASE ES. IF THE AMP ASSEME HE TOP OF ROVIDE S THAT WIL CONTRACTO ALL BE INC TEEL STRA SSEMBLIES S STATED	EMBLIES OON THE BLIES THE L R CIDENTAL N POLE. SHALL ON THE		LEC EX CC ST D PE B9 TY (AS	GEND SISTING BASE INTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED	POLE S
EL STRAIN POLE OT LUMINAIRE ARM +18.91, 66.75, RI JMINAIRE. ICTION BOX B3 WIRES TO ONE VIRES TO ONE LEAD-INS INSIDI SE MOUNTED CAB EMS	TECTOR DRTHBOUND CROSSWA C M GHT, E JB B3	SHA REPI TRA 3. N - CAB - CAB - CAB - SIGN - 4. A MAY MUS	E BASE/SIGNAL HEAD DETAILS LL SUBMIT SHOP DRAWINGS O LACEMENT ASSEMBLIES TO TH FFIC OPERATIONS FOR APPRO MODIFY AND RETAIN EXISTING INET, WHICH INCLUDES REMOV TROLLER, INSTALL NEW 2" CON INET WIRING THAT ALLOWS F NAL AND LUMINAIRE OPERATION ALL CONDUIT BETWEEN POLES BE PVC. ANY PVC PIPE UND T BE SCHEDULE 80.	F THE E DIVISION VAL. SIGNAL AL OF SIGINDUITS, MC OR PROPOS N. AND PULL DER ROADWA	NAL DIFY ED BOXES AYS		► SI ► PE ⊢ SI ● CP □ LO 2"	GNAL HEAD DESTRIAN HEA GN S ANTENNA DOP DETECTOR RIGID STEEL	CONDUIT
ER PECTRUM DATA T NEOUS CABLES & SE MOUNTED CAB EMS ROLLER	CONNECTORS	MIN: DET	IMIZE PLACEMENT OF ARROWS Ector loops.			TRANSF( PAUL CH TRAF	DRMING D	NLESS OTHERW IMINAIRE IXIE HIGHV @ DIXIE IAL SHEET	WAY

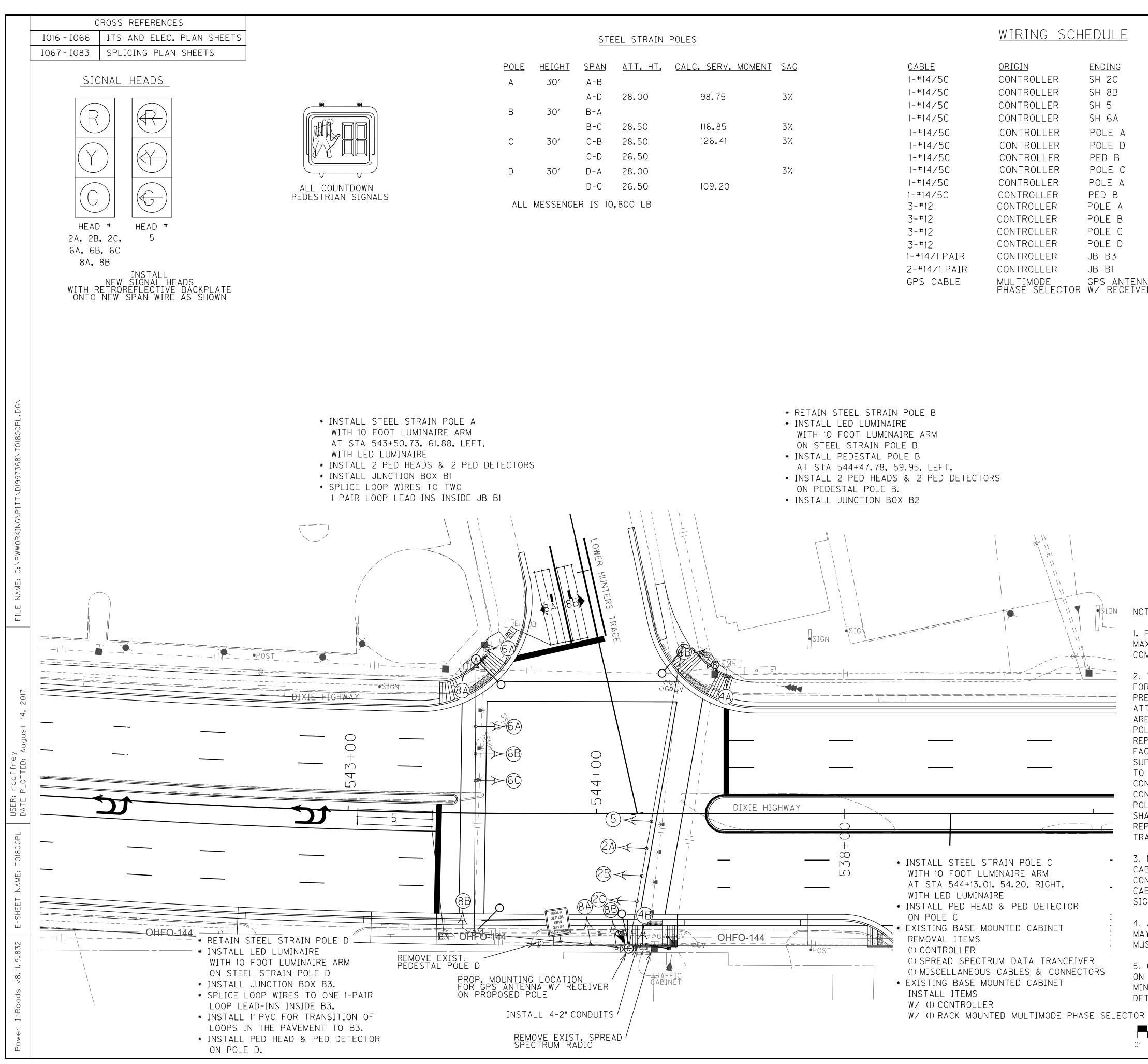
<u>E</u>	<u>HEIGHT</u>	<u>SPAN</u>	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u>
	32′	A-B	28.50	148.58	3%
		A-D	29.00		
	32′	B-A	28.50	206.82	3%
		B-C	29.00		
	32′	C-B	29.00	124.27	3%
		C-D			
	32′	D-A	29.00	147.15	3%
		D-C	28.50		



L	_EGEND
	EXISTING BASE MOUNTED CONTROLLER
	STEEL STRAIN POLE
■ B9	PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED) PEDESTRIAN DETECTOR
$\sim > \bigcirc$	SIGNAL HEAD PEDESTRIAN HEAD
F	SIGN
	GPS ANTENNA
	LOOP DETECTOR
	2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
O	LUMINAIRE
TRANSFORMING	DIXIE HIGHWAY @ DIXIE HIGHWAY



			COUNTY OF	ITEM NO.	SHEET NO.
<u>E</u>			JEFFERSON	5-478.7	T017
<u>Connecting</u> SH 1					
SH 2A & 2B & 2C SH 8A & 8B SH 4 (JUMPER TO EX. SH 4) SH 5 SH 6A & 6B & 6C				- H	
PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 8B & 1 PED DETECTOR PH 8B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LUMINAIRE LOOP 1 LOOP 8 LOOP 4A & 4B LOOP 5 TENNA GPS ANTENNA EIVER W/ RECEIVER	1 8 5 4A 4B *LOOP S CON	HASE SLOT 1 I1 8 J6 5 J1 4 I6 4 I6 4 I6 PACING ASSL TRACTOR TO	DOP SCHEE <u>CHANNEL</u> SIZ 1 6X3 1 6X3 1 6X3 2 6X3 JMES 1% GRADE VERIFY IN FIEL LOOPS SHALL BE	# OF <u>E TURNS</u> 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	
NOTES:			NOTE: SIGNS T AND INS	SIGNS RIGHT TURN ON RED MUST YIELD TO U-TURN SIGN 'A' R10-30 30" × 36" O BE PROVIE TALLED BY 0	
1. PEDESTRIAN DETECTORS SHOULD BE IN A MAXIMUM OF 10" FROM SIDEWALK FOR COMPLIANCE.					
2. MODIFY AND RETAIN EXISTING SIGNAL		SCALE	<u> </u>	END	
CABINET, WHICH INCLUDES REMOVAL OF CONTROLLER, INSTALL NEW 2"CONDUITS, CABINET WIRING THAT ALLOWS FOR PRO SIGNAL AND LUMINAIRE OPERATION.	MODIFY		[: EX	ISTING BASE NTROLLER	MOUNTED
3. ALL CONDUIT BETWEEN POLES AND PL May be pvc. Any pvc pipe under ROA Must be schedule 80.			ST ST	EEL STRAIN	POLE
4. COORDINATE LOCATION OF TURN ARRO ON PAVEMENT MARKING SHEETS WITH EN MINIMIZE PLACEMENT OF ARROWS ON TR DETECTOR LOOPS.	GINEER TO		B9 JU (AS	DESTAL POLE NCTION BOXE PE B 5 DESIGNATEI DESTRIAN DE	:S D)
* INSTALL STEEL STRAIN POLE C WITH 10 FOOT LUMINAIRE ARM		o		GNAL HEAD	
AT STA 537+29.82, 62.12, RIGHT, WITH LED LUMINAIRE * INSTALL 2 PED HEADS & 2 PED DETE ON POLE C.	CTORS		→ → PE	destrian he	AD
* INSTALL JUNCTION BOX B3 * Splice Loop Wires to two			⊢ SI0	GN	
1-PAIR LOOP LEAD-INS INSIDE JB B3 * EXISTING BASE MOUNTED CABINET REMOVAL ITEMS			GP- GP	s antenna	
(1) CONTROLLER (1) SPREAD SPECTRUM DATA TRANSCEI			LO	OP DETECTOR	2
<ul> <li>(1) MISCELLANEOUS CABLES &amp; CONNEC</li> <li>* EXISTING BASE MOUNTED CABINET INSTALL ITEMS</li> <li>W/ (1) CONTROLLER</li> <li>W/ (1) RACK MOUNTED MULTIMODE PHA</li> </ul>		,	(U)	RIGID STEEL NLESS OTHER MINAIRE	CONDUIT WISE NOTED)
0′ 20′ 40′ SCALE: 1"=20	_ [	TRANS	FORMING DI RIVEWAY @ AFFIC SIGN	XIF HIGH	WAY GHWAY



		<u> <u></u></u>	LL JINAIN	<u>TOLLS</u>	
POLE	<u>HEIGHT</u>	<u>SPAN</u>	<u>att. ht.</u>	CALC. SERV. MOMENT	<u>S</u> A
А	30′	A-B			
		A-D	28.00	98.75	3%
В	30′	B-A			
		B-C	28.50	116.85	3%
С	30′	C-B	28.50	126.41	3%
		C-D	26.50		
D	30′	D-A	28.00		3%
		D-C	26.50	109.20	

					COUNTY OF	ITEM NO.	SHEET NO.
	<u>WIRING SCHED</u>	<u>)ULE</u>			JEFFERSON	5-478.7	T018
<u>ABLE</u> +#14/5C +#14/5C +#14/5C +#14/5C -#14/5C -#14/5C -#14/5C -#14/5C	CONTROLLER SH CONTROLLER SH CONTROLLER SH CONTROLLER SH CONTROLLER PC CONTROLLER PC CONTROLLER PE	I <u>DING</u> 1 2C 1 8B 1 5 1 6A DLE A DLE D ED B DLE C	CONNECTING SH 2A & 2B & 2C SH 8A & 8B SH 5 SH 6A & 6B & 6C PH 8A & 1 PED DETECTOR PH 8B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR				
-#14/5C +#14/5C -#12 -#12 -#12 -#12 #14/1 PAIR -#14/1 PAIR	CONTROLLER PC CONTROLLER PE CONTROLLER PO CONTROLLER PO CONTROLLER PO CONTROLLER PO CONTROLLER JB CONTROLLER JB	DLE A D B DLE A DLE D DLE D B3 B1	PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LOOP 5 LOOP 8A & 8B	5 5	I1 1 6 I6 1 6	# OF [	DIST. FROM <u>STOP BAR</u> O O O
PS CABLE	MULTIMODE GP Phase selector W/	RECEIVER	GPS ANTENNA W/ RECEIVER		ASSUMES 1% GRADE TO VERIFY IN F OOT LOOPS SHALL		
_E B						<u>signs</u>	
ARM 3 , left. 2 ped detect	ORS					RIGHT TURN ON RED MUST YIELD TO U-TURN	
						SIGN 'A' R10-30 30" × 36"	
		SIGN NOTES	~			TO BE PROVIDE NSTALLED BY CO	
		1. PEI MAXIN	DESTRIAN DETECTORS SHOULD BE INS AUM OF 10"FROM SIDEWALK FOR ADA LIANCE.	STALLED A		EGEND	
		FOR N FOR N FOR N	E CABINET SHALL SUPPLY CLAMP AS Messenger cable attachments bas Minary design of the poles. If t	ED ON THE		EXISTING BASE	
		ARE M POLE, REPLA FACIL SUPPL TO TH	CHMENT LOCATIONS FOR CLAMP ASSE MORE THAN 2 FEET FROM THE TOP O THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT W ITATE THE INSTALLATION. CONTRAC LIED CLAMP ASSEMBLIES SHALL BE I HE INSTALLATION OF THE STEEL STF RACTOR SUPPLIED CLAMP ASSEMBLIE	OF THE /ILL for ncidental Rain Pole.	B9	STEEL STRAIN F PEDESTAL POLE JUNCTION BOXES TYPE B AS DESIGNATED	5
		CONFO POLE SHALL	DRM TO THE SPECIFICATIONS STATE BASE/SIGNAL HEAD DETAILS. THE CO SUBMIT SHOP DRAWINGS OF THE ACEMENT ASSEMBLIES TO THE DIVISI FIC OPERATIONS FOR APPROVAL.	O ON THE ONTRACTOR		PEDESTRIAN DE ⁻ SIGNAL HEAD	FECTOR
TH 10 FOOT L	STRAIN POLE C .uminaire arm 01, 54.20, right,	- 3. MC CABIN CONTE	DDIFY AND RETAIN EXISTING SIGNAL Net, which includes removal of s Roller, install new 2" conduits,	MODIFY		PEDESTRIAN HEA SIGN	٨D
TH LED LUMIN			NET WIRING THAT ALLOWS FOR PROPO AL AND LUMINAIRE OPERATION.	USED		GPS ANTENNA	

4. ALL CONDUIT BETWEEN POLES AND PULL BOXES MAY BE PVC. ANY PVC PIPE UNDER ROADWAYS MUST BE SCHEDULE 80.

5. COORDINATE LOCATION OF TURN ARROWS SHOWN ON PAVEMENT MARKING SHEETS WITH ENGINEER TO MINIMIZE PLACEMENT OF ARROWS ON TRAFFIC DETECTOR LOOPS.

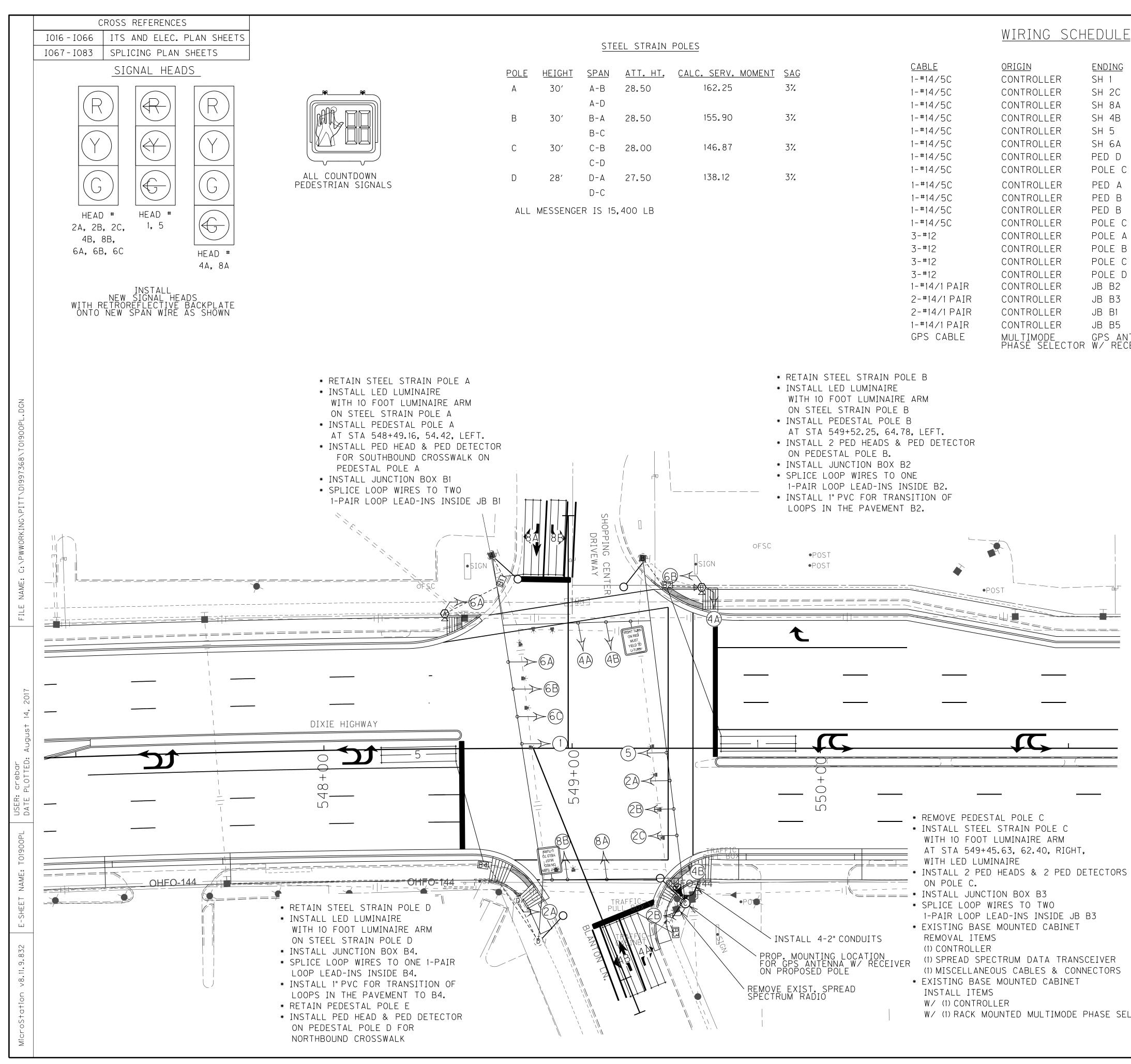
40' SCALE: 1"=20' 80 0′ 20′

TRANSFORMING DIXIE HIGHWAY LOWER HUNTERS TRACE @ DIXIE HIGHWAY TRAFFIC SIGNAL SHEET

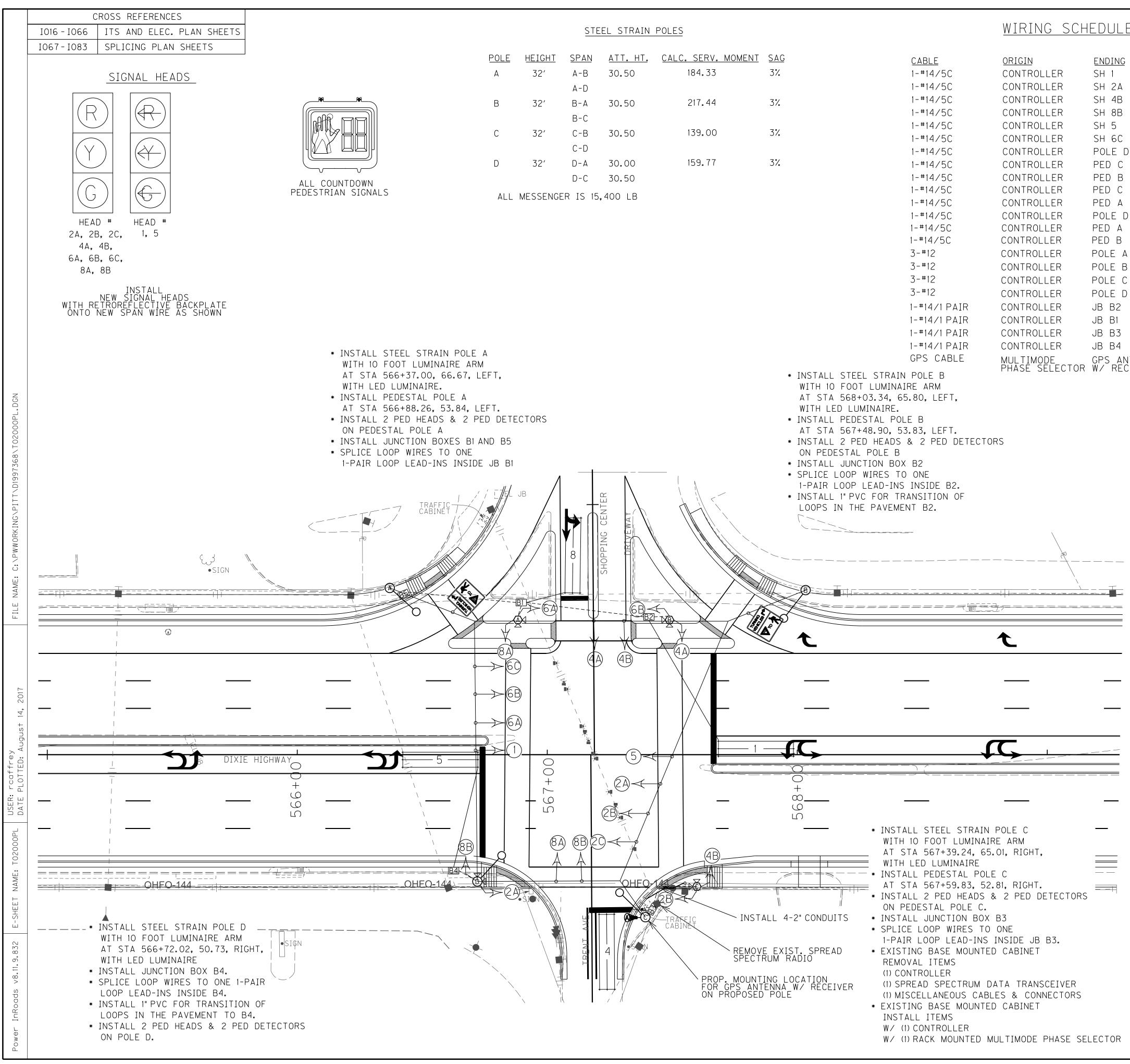
LOOP DETECTOR

(UNLESS OTHERWISE NOTED)

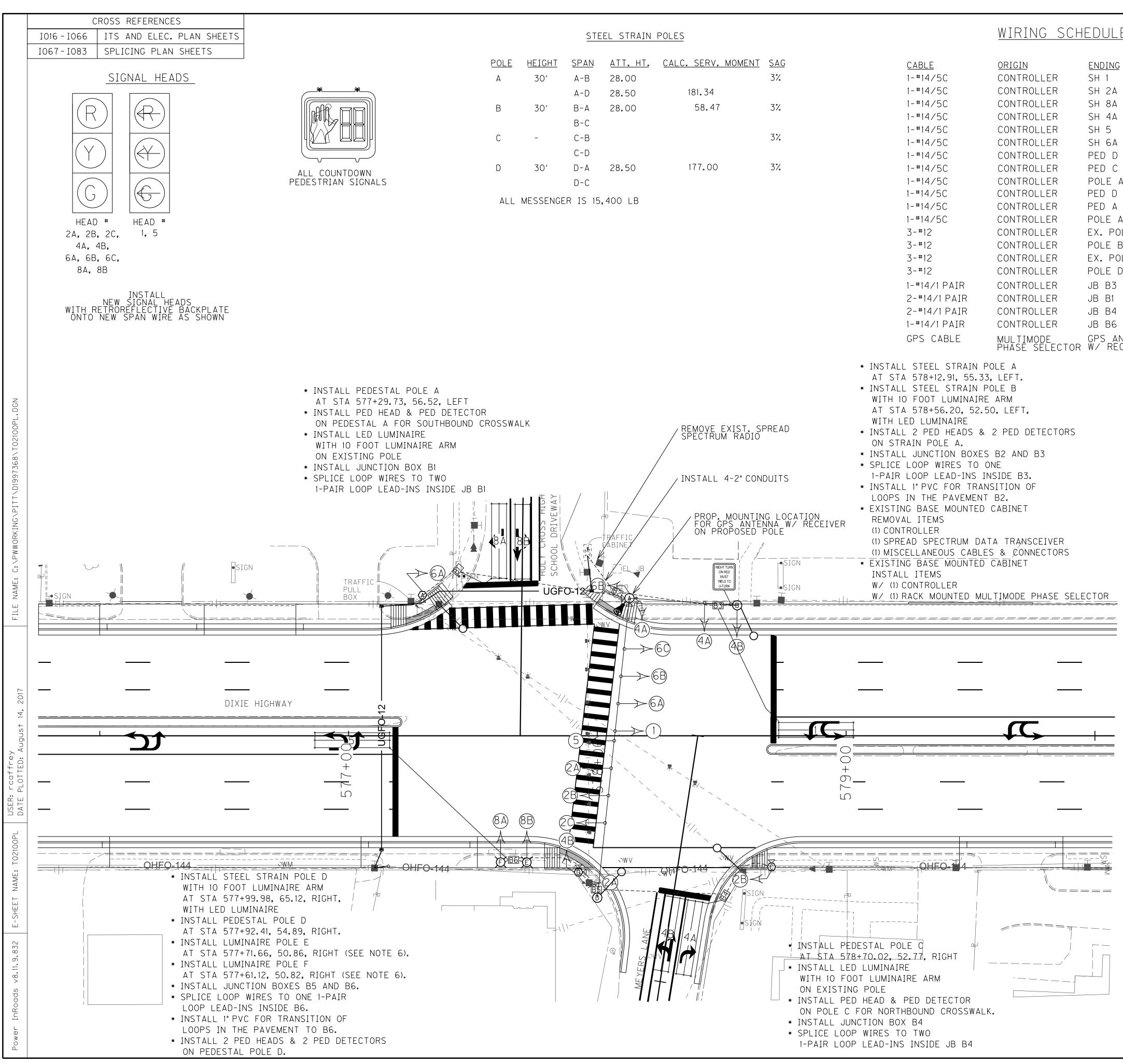
2" RIGID STEEL CONDUIT



					COUNTY OF	ITEM NO.	SHEET NO.
					JEFFERSON	5-478.7	T019
	CONNECTING SH 1					λ	
	SH 2A & 2B & 2C SH 8A & 8B					- C	
	SH 4A & 4B SH 5						
	SH 6A & 6B & 6C PH 2A & 1 PED DETECTOR				u		
	PH 2B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR						
	PH 6B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR			LC	OP SCHE	DULE	
	PH 4B & 1 PED DETECTOR LUMINAIRE	LOOP	PHASE	SLOT	CHANNEL SI	# OF ZE TURNS	DIST. FROM STOP BAR
	LUMINAIRE	1 4 A	1 4	I1 I6		302302	0 0
	LUMINAIRE LOOP 1	4B 5	4 5	16 J1		30 2 30 2	0 0
	LOOP 4A & 4B	8A 8B	8 8	J6		30 2 30 2	0 0
	LOOP 8A & 8B LOOP 5						
enna Iver	GPS ANTENNA W/ RECEIVER				MES 1% GRADE Verify in fi _00ps shall		
						<u>SIGNS</u>	
						RIGHT TURN	
						ON RED MUST YIELD TO	
						U-TURN	
						U-TURN SIGN 'A' R10-30	
						U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE	
						U-TURN SIGN 'A' R10-30 30" × 36"	
ΝΟΤΕ	<b>5</b> .					U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE	
NOTES	S: Destrian detectors should be ins	STALLED	A St	CALE		U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE	
1. PEI Maxin		STALLED		<u>Cale</u>	and in 1" - 20'	U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE	
1. PEI MAXIN COMPI 2. TH	DESTRIAN DETECTORS SHOULD BE INS Mum of 10" From Sidewalk for Ada LIANCE. HE CABINET SHALL SUPPLY CLAMP AS	SEMBLIES		CALE	AND IN 1" - 20' LE	U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE STALLED BY (	CONTRACTOR.
1. PEI MAXIN COMPI 2. TH FOR N PRELI	DESTRIAN DETECTORS SHOULD BE INS MUM OF 10"FROM SIDEWALK FOR ADA LIANCE. ME CABINET SHALL SUPPLY CLAMP AS MESSENGER CABLE ATTACHMENTS BAS IMINARY DESIGN OF THE POLES. IF T	SEMBLIES ED ON T HE		<u>Cale</u>	AND IN 1" - 20' LE	U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE STALLED BY C GEND XISTING BASE ONTROLLER	ONTRACTOR.
1. PEC MAXIN COMPI 2. TH FOR N PRELI ATTAC	DESTRIAN DETECTORS SHOULD BE INS Mum of 10" From Sidewalk for Ada Liance. Me Cabinet Shall Supply Clamp As Messenger Cable Attachments BAS	SEMBLIES ED ON T HE MBLIES		CALE	AND IN 1" - 20' LE	U-TURN SIGN 'A' R10-30 30" × 36" TO BE PROVIE STALLED BY O GEND XISTING BASE	CONTRACTOR.
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1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE	EDESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASS MESSENGER CABLE ATTACHMENTS BASE IMINARY DESIGN OF THE POLES. IF THE	EMBLIES D ON THE E BLIES THE	and 1 <u>ALE 1" - 2(</u>	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN	CONTRACTOR. Se Mounted N Pole
1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE REPL FACI SUPP	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASS MESSENGER CABLE ATTACHMENTS BASE IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE INC	EMBLIES D ON THE E BLIES THE L CIDENTAL	AND I $ALE 1" - 20$ $\begin{bmatrix} 1 & - 20 \\ 1 & - 20 \\ 1 & - 20 \end{bmatrix}$	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BO	CONTRACTOR. SE MOUNTED N POLE LE
1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE REPL FACI SUPP TO T CONT	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASS MESSENGER CABLE ATTACHMENTS BASE IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO	EMBLIES D ON THE E BLIES THE L R CIDENTAL IN POLE. SHALL	AND 1 ALE 1" - 20	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO	CONTRACTOR. SE MOUNTED N POLE LE XES
1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE REPL FACI SUPP TO T CONT CONF POLE SHAL	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASSI MESSENGER CABLE ATTACHMENTS BASE IMINARY DESIGN OF THE POLES. IF THE CHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE INC THE INSTALLATION OF THE STEEL STRA RACTOR SUPPLIED CLAMP ASSEMBLIES FORM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CON L SUBMIT SHOP DRAWINGS OF THE	EMBLIES D ON THE E BLIES THE CIDENTAL IN POLE. SHALL ON THE NTRACTOR	AND I $ALE 1" - 20$ $\begin{bmatrix} 1 & - 20 \\ 1 & - 20 \\ 1 & - 20 \end{bmatrix}$	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BOT TYPE B	CONTRACTOR. SE MOUNTED N POLE LE XES "ED)
1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE REPL FACI SUPP TO T CONT CONT CONF POLE SHAL REPL	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASSI MESSENGER CABLE ATTACHMENTS BASE IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE ING THE INSTALLATION OF THE STEEL STRA TRACTOR SUPPLIED CLAMP ASSEMBLIES FORM TO THE SPECIFICATIONS STATED E BASE/SIGNAL HEAD DETAILS. THE CON	EMBLIES D ON THE E BLIES THE CIDENTAL IN POLE. SHALL ON THE NTRACTOR	AND I $ALE 1" - 2($ $\begin{bmatrix} 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & -$	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BOT TYPE B (AS DESIGNAT	CONTRACTOR. SE MOUNTED N POLE LE XES "ED)
1. PE MAXI COMF 2. TI FOR PREL ATTA ARE POLE FACI SUPP TO T CONF POLE SHAL REPL TRAF 3. M CABI	EDESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASSI MESSENGER CABLE ATTACHMENTS BASEI IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE INCO THE INSTALLATION OF THE STEEL STRA FRACTOR SUPPLIED CLAMP ASSEMBLIES FORM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CON L SUBMIT SHOP DRAWINGS OF THE ACEMENT ASSEMBLIES TO THE DIVISION FIC OPERATIONS FOR APPROVAL.	EMBLIES D ON THE E BLIES THE L CIDENTAL IN POLE. SHALL ON THE NTRACTOR N OF	AND I $ALE 1" - 2($ $\begin{bmatrix} 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & -$	R10-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BOS TYPE B (AS DESIGNAT PEDESTRIAN I	CONTRACTOR. SE MOUNTED N POLE LE XES ED) DETECTOR
1. PE MAXI COMF 2. TI FOR PREL ATTA ARE POLE FACI SUPP TO T CONF POLE SHAL REPL TRAF 3. M CABI CONT CONT	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASSI MESSENGER CABLE ATTACHMENTS BASEN IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE INC THE INSTALLATION OF THE STEEL STRA FRACTOR SUPPLIED CLAMP ASSEMBLIES FORM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CON L SUBMIT SHOP DRAWINGS OF THE ACEMENT ASSEMBLIES TO THE DIVISION FIC OPERATIONS FOR APPROVAL. ODIFY AND RETAIN EXISTING SIGNAL NET, WHICH INCLUDES REMOVAL OF SIG FROLLER, INSTALL NEW 2" CONDUITS, MC NET WIRING THAT ALLOWS FOR PROPOS	EMBLIES D ON THE E BLIES THE LL R CIDENTAL IN POLE. SHALL ON THE NTRACTOR N OF NAL DDIFY	AND I $ALE 1" - 2($ $\begin{bmatrix} 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & -$	RIO-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BOT TYPE B (AS DESIGNAT PEDESTRIAN I SIGNAL HEAD	CONTRACTOR. SE MOUNTED N POLE LE XES ED) DETECTOR
1. PE MAXI COMF 2. TH FOR PREL ATTA ARE POLE REPL FACI SUPP TO T CONT CONF POLE SHAL REPL TRAF 3. M CABI CONT CABI SIGN 4. AI	DESTRIAN DETECTORS SHOULD BE INST MUM OF 10" FROM SIDEWALK FOR ADA PLIANCE. HE CABINET SHALL SUPPLY CLAMP ASSI MESSENGER CABLE ATTACHMENTS BASEI IMINARY DESIGN OF THE POLES. IF THE ACHMENT LOCATIONS FOR CLAMP ASSEM MORE THAN 2 FEET FROM THE TOP OF , THE CONTRACTOR SHALL PROVIDE ACEMENT CLAMP ASSEMBLIES THAT WIL LITATE THE INSTALLATION. CONTRACTO PLIED CLAMP ASSEMBLIES SHALL BE ING THE INSTALLATION OF THE STEEL STRA TRACTOR SUPPLIED CLAMP ASSEMBLIES ORM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CON L SUBMIT SHOP DRAWINGS OF THE ACEMENT ASSEMBLIES TO THE DIVISION FIC OPERATIONS FOR APPROVAL. ODIFY AND RETAIN EXISTING SIGNAL NET, WHICH INCLUDES REMOVAL OF SIG TROLLER, INSTALL NEW 2" CONDUITS, MO NET WIRING THAT ALLOWS FOR PROPOS AL AND LUMINAIRE OPERATION.	EMBLIES D ON THE E BLIES THE L CIDENTAL IN POLE. SHALL ON THE NTRACTOR N OF NAL DDIFY SED BOXES	AND I $ALE 1" - 2($ $\begin{bmatrix} 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & - 2() \\ 1 & -$	RIO-15R 30" × 30" 5 TO BE PROVI NSTALLED BY )' _EGEND EXISTING BAS CONTROLLER STEEL STRAIN PEDESTAL PO JUNCTION BO TYPE B (AS DESIGNAT PEDESTRIAN I SIGNAL HEAD PEDESTRIAN I	CONTRACTOR. SE MOUNTED N POLE LE XES ED) DETECTOR HEAD
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E					COUNTY		ITEM NO.	SHEET NO.
2	<u>Connecting</u> SH 1 SH 2A & 2B & 2C SH 8A & 8B				JEFFERSC		5-478.7	T021
A OLE D	SH 8A & 8B SH 4A & 4B SH 5 SH 6A & 6B & 6C PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LOOP 1 LOOP 8A & 8B LOOP 4A & 4B	1 8A 8B 4A 4B 5	HASE 1 8 4 4 5	I1 J6 J6 I6 I6 J1	CHANNEL 1 2 1 2 1 2 1	<u>HEDU</u> <u>SIZE</u> 6X30 6X30 6X30 6X30 6X30 6X30 6X30	# OF D TURNS 2 2 2 2 2 2 2 2 2 2 2 2 2	IST. FROM STOP BAR 0 0 0 0 0 0 0 0 0
NTENNA ECEIVER	GPS ANTENNA W/ RECEIVER						AND -1% GI WITH ENGIN Quadra-Pol	
NOTES						RIGH ON YIE U- SIC R10	GNS TTURN I RED UST LD TO TURN GN 'A' D-30 X 36"	
MAXIM	ESTRIAN DETECTORS SHOULD BE INS IUM OF 10" FROM SIDEWALK FOR ADA	TALLED A		NO			E PROVIDED ED BY CON	
2. THE	IANCE. E CABINET SHALL SUPPLY CLAMP AS: Messenger cable attachments basi		SC	ALE	1" - 2(	)' Legen	۱D	
ATTAC ARE M Pole,	WINARY DESIGN OF THE POLES. IF THE CHMENT LOCATIONS FOR CLAMP ASSEN NORE THAN 2 FEET FROM THE TOP ON THE CONTRACTOR SHALL PROVIDE CEMENT CLAMP ASSEMBLIES THAT WI	MBLIES F THE				CONT	FING BASE ROLLER L STRAIN F	
SUPPL to th	ITATE THE INSTALLATION. CONTRACT IED CLAMP ASSEMBLIES SHALL BE IN HE INSTALLATION OF THE STEEL STR. RACTOR SUPPLIED CLAMP ASSEMBLIES	NCIDENTAL AIN POLE.			E		NAIRE POLE	
CONFO POLE SHALL REPLA	RM TO THE SPECIFICATIONS STATED BASE/SIGNAL HEAD DETAILS. THE CC SUBMIT SHOP DRAWINGS OF THE CEMENT ASSEMBLIES TO THE DIVISIO IC OPERATIONS FOR APPROVAL.	ON THE INTRACTOR			<b>B</b> 9	JUNC TYPE	STAL POLE TION BOXES B DESIGNATED	
CABINI Contr	DIFY AND RETAIN EXISTING SIGNAL ET, WHICH INCLUDES REMOVAL OF SI COLLER, INSTALL NEW 2" CONDUITS, M ET WIRING THAT ALLOWS FOR PROPO	NODIFY		0	$\Diamond \\ \bigcirc \triangleleft$		STRIAN DET Al head	ECTOR
SIGNAI 4. all May B	L AND LUMINAIRE OPERATION. _ CONDUIT BETWEEN POLES AND PUL BE PVC. ANY PVC PIPE UNDER ROAD BE SCHEDULE 80.	L BOXES		_;			STRIAN HEA	۸D
5. CO( ON PA	ORDINATE LOCATION OF TURN ARROW Vement marking sheets with engi IZE placement of arrows on traf	NEER TO					ANTENNA	

6. SIGNAL HEADS SHALL BE MOUNTED ON LUMINAIRE POLE, 18' FROM GROUND. (MAST ARM MOUNTING BRACKETS REQUIRED). EXCESS POLE HEIGHT SHALL BE CUT OFF AND COVERED WITH ALUMINUM CAP AND SET SCREWS. FUSED CONNECTORS SHALL BE INSTALLED IN TRANSFORMER BASE.

MINIMIZE PLACEMENT OF ARROWS ON TRAFFIC

DETECTOR LOOPS.

0' 20' 40' SCALE: 1"=20' 80'

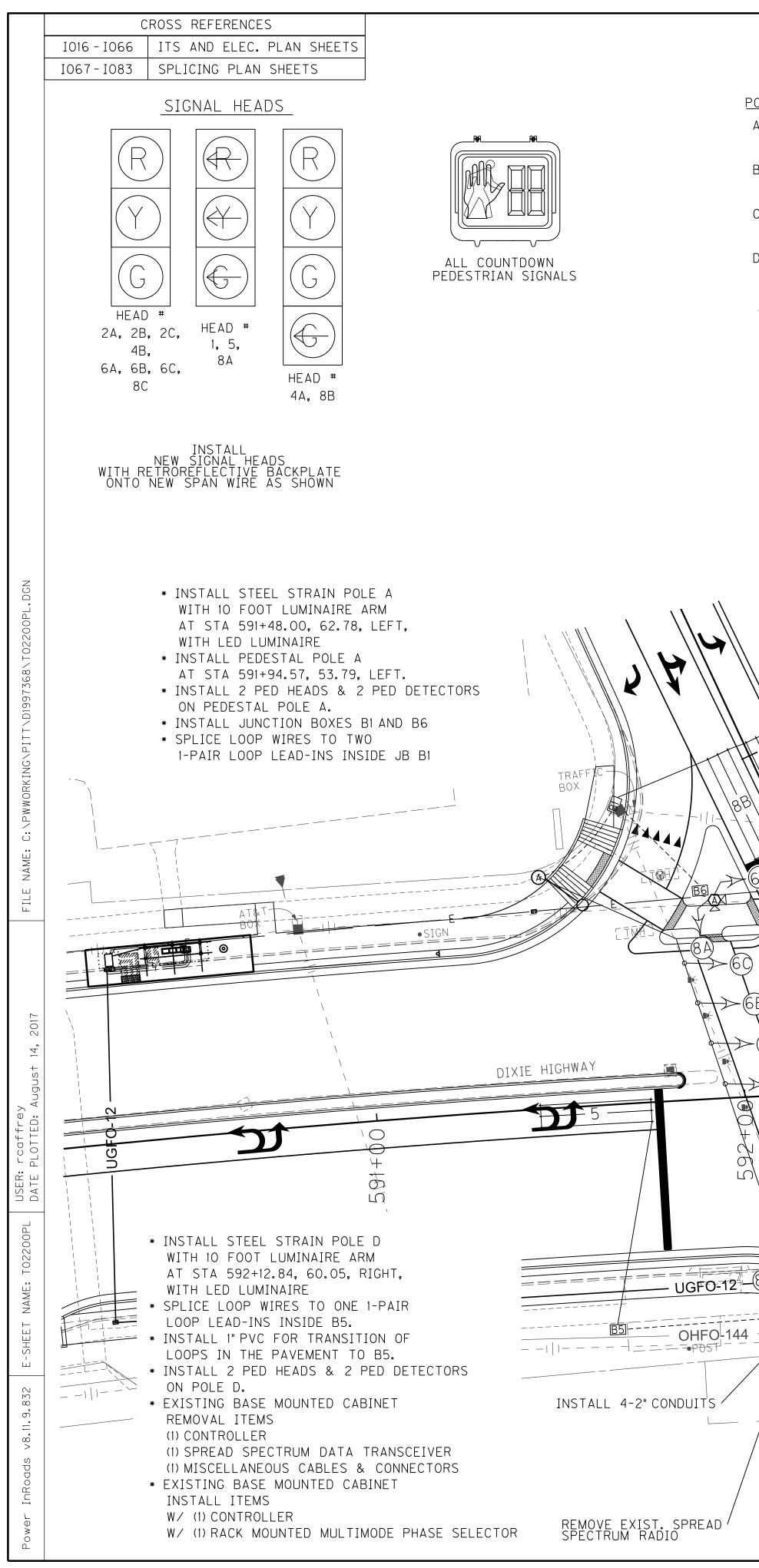
TRANSFORMING DIXIE HIGHWAY MEYERS LANE @ DIXIE HIGHWAY TRAFFIC SIGNAL SHEET

(UNLESS OTHERWISE NOTED)

_____

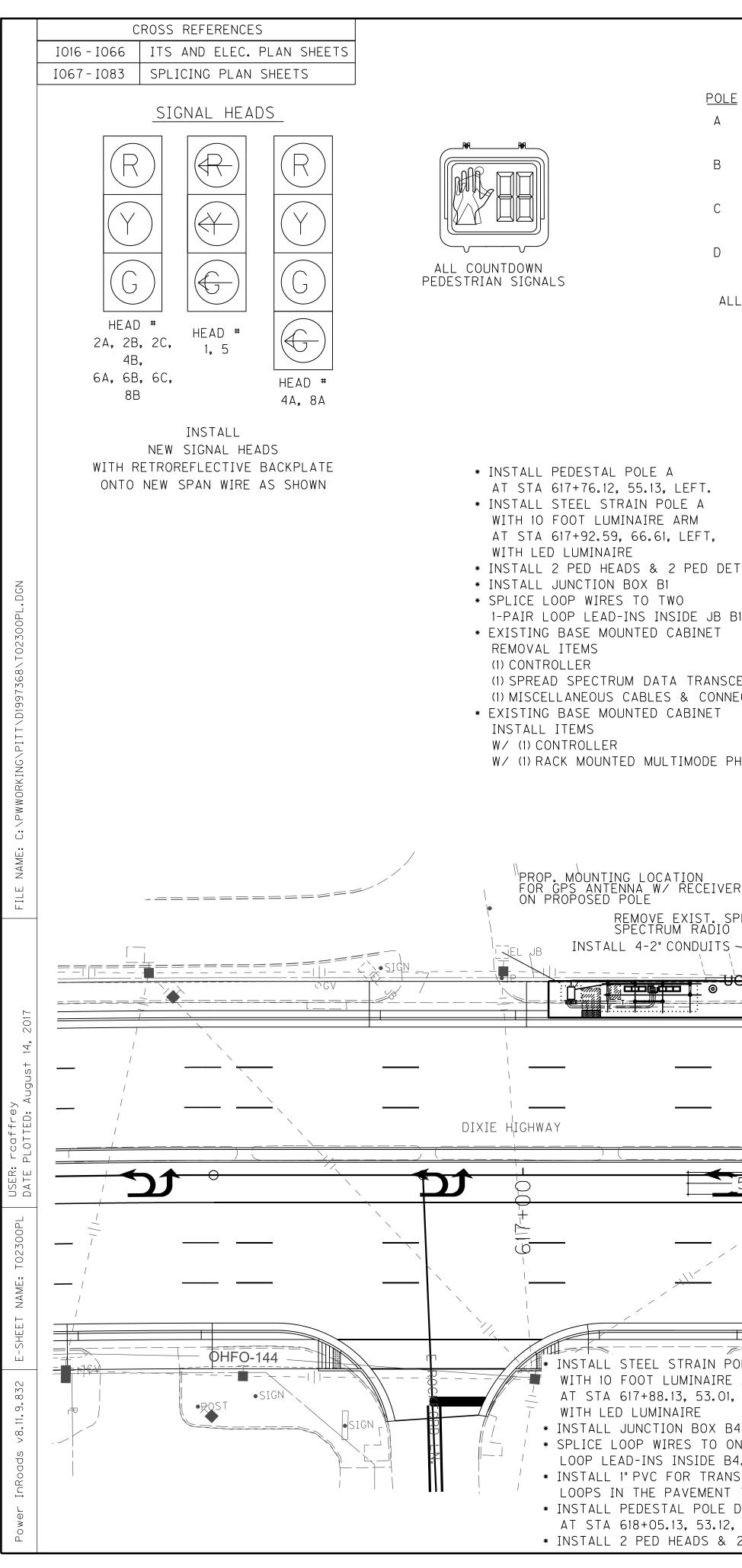
LOOP DETECTOR

2" RIGID STEEL CONDUIT

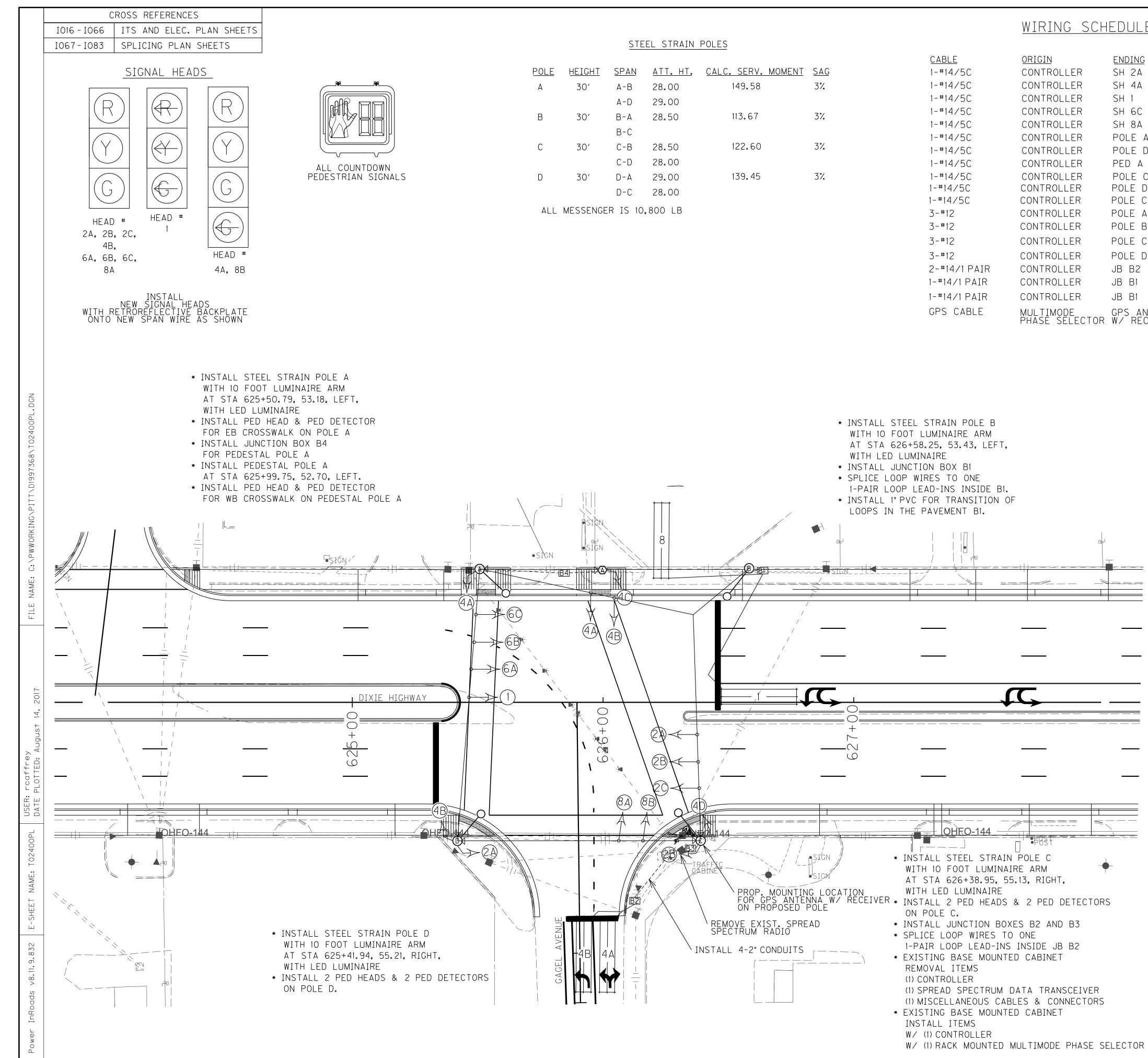


<u>WIRING SCHE</u>					COUNTY OF	ITEM NO.	SHEET NO.
					JEFFERSON	5-478.7	T022
CONTROLLER S CONTROLLER S	<u>ENDING</u> SH 1 SH 2A SH 8A	<u>CONNECTING</u> SH 1 SH 2A & 2B & 2C SH 8A & 8B				$\sum$	
CONTROLLER S	SH 6C SH 4B	SH 6A & 6B & 6C SH 4A & 4B					
CONTROLLER F	POLE D PED C PED B	PH 2A & 1PED DETECTOR PH 2B & 1PED DETECTOR PH 4A & 1PED DETECTOR					
CONTROLLER F	PED C PED A	PH 4B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR		LO	OP SCHE	DULE	
CONTROLLER P	PED B PED A	PH 6B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR	LOOP PHA		CHANNEL SIZ	<u>TURNS</u>	STOP BAR
CONTROLLER P	POLE D Pole A Pole B	PH 8B & 1 PED DETECTOR LUMINAIRE LUMINAIRE	۱ ۱ 8A 8 8B ٤		1 6X3 1 6X3 1 6X3	0 2	0 0 0
CONTROLLER P	POLE C POLE D	LUMINAIRE LUMINAIRE	4A 4B 4	I I6	1 6X3	0 2	0
CONTROLLER J	B B2 B B4	LOOP 1 LOOP 4A & 4B	4C 4		2 6X3 1 6X3	0 2	0
CONTROLLER J	B B1 B B5	LOOP 8A & 8B LOOP 5	*LOOP_SPA	<u>ÇING ASSUM</u>	ES 1% GRADE_	EB AND -1% G _D WITH ENGII	RADE WB,
AULTIMODE G Phase selector W	PS ANTENNA // RECEIVER	GPS ANTENNA W/ RECEIVER				ld with engin e quadra-pol	
					-	<u>SIGNS</u>	
					F	RIGHT TURN ON RED	
						MUST YIELD TO U-TURN	
						SIGN 'A' R10-30	
						0" × 36"	
				NOTE		BE PROVIDED E LED BY CONTF	
		_S:					
		DESTRIAN DETECTORS SHOULD B		SCALE	1" - 20′		
	MAXI COMF	MUM OF 10"FROM SIDEWALK FOR Pliance.	ADA	SCALE		GEND	
	MAXI COMF 2. T FOR	MUM OF 10"FROM SIDEWALK FOR Pliance. He cabinet shall supply clan Messenger cable attachments	ADA MP ASSEMBLIES 5 BASED ON THE	SCALE	LEC	GEND ISTING BASE NTROLLER	MOUNTED
	MAXI COMF 2. T FOR PREL ATTA ARE	MUM OF 10"FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAN MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T	ADA AP ASSEMBLIES S BASED ON THE IF THE ASSEMBLIES FOP OF THE	SCALE		ISTING BASE NTROLLER	
	MAXI COMF 2. T FOR PREL ATTA ARE POLE REPL	MUM OF 10"FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAN MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP	ADA AP ASSEMBLIES S BASED ON THE IF THE ASSEMBLIES FOP OF THE IDE AT WILL	SCALE	LEC	ISTING BASE NTROLLER EEL STRAIN F	POLE
	MAXI COMF 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO 1	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T MORE THAN 2 FEET FROM THE T ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES FOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE.	SCALE	LEC	ISTING BASE NTROLLER	POLE
	MAXI COMF 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO CONF	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROV ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES FOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. MBLIES SHALL TATED ON THE	SCALE	LEC EX CC ST D PE B9 TY (A:	ISTING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED	POLE S
	MAXI COMF 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO CONT CONT CONT CONT CONT CONT	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROV ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL RACTOR SUPPLIED CLAMP ASSEM ORM TO THE SPECIFICATIONS S BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES FOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE	SCALE	LEC EX CC ST D PE JU TY (A CC CC CC CC CC CC CC CC CC C	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE	POLE S
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	MAXI COMF 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONF POLE SHAL REPL TRAF 3. M CABI CONT	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROV ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL RACTOR SUPPLIED CLAMP ASSEM ORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL	ADA AP ASSEMBLIES S BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE DIVISION OF GNAL OF SIGNAL ITS, MODIFY	SCALE ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	LEC C C C C C C C C C C C C C	ISTING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD	POLE S )) TECTOR
	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONT CONF POLE SHAL REPL TRAF 3. M CABI CONT CABI SIGN	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAN MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR A AL AND LUMINAIRE OPERATION.	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE OVISION OF CONAL OF SIGNAL ITS, MODIFY PROPOSED	SCALE	LEC LEC CC CC CC CC CC CC CC CC CC	ISTING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA	POLE S )) TECTOR
POLE C	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONT CONF POLE SHAL REPL TRAF 3. M CABI SIGN A. A MAY	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL RACTOR SUPPLIED CLAMP ASSEM ORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ODIFY AND RETAIN EXISTING SIG NET, WHICH INCLUDES REMOVAL ROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR IN	ADA AP ASSEMBLIES S BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE DIVISION OF CNAL OF SIGNAL ITS, MODIFY PROPOSED D PULL BOXES	SCALE	LEC LEC CC CC CC CC CC CC CC CC CC	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA GN	POLE S D) TECTOR
POLE C RE ARM	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONT CONF POLE SHAL REPL TRAF 3. M CABI SIGN 	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T , THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL RACTOR SUPPLIED CLAMP ASSEM ORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ODIFY AND RETAIN EXISTING SIC NET, WHICH INCLUDES REMOVAL ROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR M AL AND LUMINAIRE OPERATION. LL CONDUIT BETWEEN POLES AND BE PVC. ANY PVC PIPE UNDER F BE SCHEDULE 80.	ADA AP ASSEMBLIES S BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. MBLIES SHALL TATED ON THE HE CONTRACTOR HE DIVISION OF GNAL OF SIGNAL ITS, MODIFY PROPOSED D PULL BOXES ROADWAYS ARROWS SHOWN	SCALE	LEC LEC CC CC CC CC CC CC CC CC CC	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA GN S ANTENNA	POLE S D) TECTOR
POLE C RE ARM 21, RIGHT, E C 46, RIGHT.	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONF POLE SHAL REPL TRAF 3. M CABI CONT CONT CONT CONT SIGN 4. A MAY MUST	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T C, THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL RACTOR SUPPLIED CLAMP ASSEM ORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ODIFY AND RETAIN EXISTING SIC NET, WHICH INCLUDES REMOVAL ROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR M AL AND LUMINAIRE OPERATION. LL CONDUIT BETWEEN POLES AND BE PVC. ANY PVC PIPE UNDER I BE SCHEDULE 80.	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE IAT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE DIVISION OF CONAL OF SIGNAL ITS, MODIFY PROPOSED D PULL BOXES ROADWAYS ARROWS SHOWN I ENGINEER TO	SCALE	LEC C C C C C C C C C C C C C	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA GN	POLE S D) TECTOR
POLE C RE ARM 21, RIGHT, E C 46, RIGHT. & 2 PED DETECTORS	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONF POLE SHAL REPL TRAF 3. M CABI CONT CONT CONT CONT SIGN 4. A MAY MUST	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T G, THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST CORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ODIFY AND RETAIN EXISTING SIC NET, WHICH INCLUDES REMOVAL TROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR A AL AND LUMINAIRE OPERATION. LL CONDUIT BETWEEN POLES AND BE PVC. ANY PVC PIPE UNDER T BE SCHEDULE 80. OORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH MIZE PLACEMENT OF ARROWS ON	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE IAT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE DIVISION OF CONAL OF SIGNAL ITS, MODIFY PROPOSED D PULL BOXES ROADWAYS ARROWS SHOWN I ENGINEER TO	SCALE	LEC C C C C C C C C C C C C C	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA GN S ANTENNA OP DETECTOR RIGID STEEL	POLE S D) TECTOR
POLE C RE ARM 21, RIGHT. 2 PED DETECTORS ES B3 AND B4. TWO INSIDE JB B4 C	MAXI COMP 2. T FOR PREL ATTA ARE POLE REPL FACI SUPF TO T CONT CONF POLE SHAL REPL TRAF 3. M CABI CONT CONT CONT CONT SIGN 4. A MAY MUST	MUM OF 10" FROM SIDEWALK FOR PLIANCE. HE CABINET SHALL SUPPLY CLAM MESSENGER CABLE ATTACHMENTS IMINARY DESIGN OF THE POLES. ACHMENT LOCATIONS FOR CLAMP MORE THAN 2 FEET FROM THE T G, THE CONTRACTOR SHALL PROVE ACEMENT CLAMP ASSEMBLIES TH LITATE THE INSTALLATION. CON PLIED CLAMP ASSEMBLIES SHALL THE INSTALLATION OF THE STEEL TRACTOR SUPPLIED CLAMP ASSEM FORM TO THE SPECIFICATIONS ST CORM TO THE SPECIFICATIONS ST BASE/SIGNAL HEAD DETAILS. T L SUBMIT SHOP DRAWINGS OF T ACEMENT ASSEMBLIES TO THE D FIC OPERATIONS FOR APPROVAL ODIFY AND RETAIN EXISTING SIC NET, WHICH INCLUDES REMOVAL TROLLER, INSTALL NEW 2" CONDUC NET WIRING THAT ALLOWS FOR A AL AND LUMINAIRE OPERATION. LL CONDUIT BETWEEN POLES AND BE PVC. ANY PVC PIPE UNDER T BE SCHEDULE 80. OORDINATE LOCATION OF TURN A PAVEMENT MARKING SHEETS WITH MIZE PLACEMENT OF ARROWS ON	ADA AP ASSEMBLIES BASED ON THE IF THE ASSEMBLIES TOP OF THE IDE AT WILL TRACTOR BE INCIDENTAL STRAIN POLE. ABLIES SHALL TATED ON THE HE CONTRACTOR HE IVISION OF GNAL OF SIGNAL ITS, MODIFY PROPOSED D PULL BOXES ROADWAYS ARROWS SHOWN I ENGINEER TO TRAFFIC UPPE	TRANSF( R HUNTE	LEC LEC C C C C C C C C C C C C C	ISTING BASE ONTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DE GNAL HEAD DESTRIAN HEA OD STRIAN HEA S ANTENNA OP DETECTOR RIGID STEEL NLESS OTHERV	POLE S )) TECTOR AD CONDUIT VISE NOTED

			COUNTY OF ITEM NO. SHEET NO.
STEEL STRAIN POLES	<u>WIRING SCHE</u>		JEFFERSON 5-478.7 TO22
POLE HEIGHT SPAN ATT. HT. CALC. SERV. MOMENT SAG A 32' A-B 29.00 198.06 3%	1-#14/5CCONTROLLER1-#14/5CCONTROLLER	ENDING CONNECTING SH 1 SH 1 SH 2A SH 2A & 2B & 2C	
A-D B 32' B-A 29.00 145.68 3%	1-#14/5C CONTROLLER	SH 8A SH 8A & 8B SH 6C SH 6A & 6B & 6C SH 4B SH 4A & 4B	Q
B-C C 34' C-B 29.00 246.52 3% C-D	1-#14/5CCONTROLLER1-#14/5CCONTROLLER	POLE D PH 2A & 1 PED DETECTOR PED C PH 2B & 1 PED DETECTOR	
D 32' D-A 29.00 147.16 3% D-C 28.00	1-#14/5C CONTROLLER	PED B PH 4A & 1 PED DETECTOR PED C PH 4B & 1 PED DETECTOR PED A PH 6A & 1 PED DETECTOR	LOOP SCHEDULE
ALL MESSENGER IS 15,400 LB	1-#14/5CCONTROLLERF1-#14/5CCONTROLLERF1-#14/5CCONTROLLERF3-#12CONTROLLERF3-#12CONTROLLERF3-#12CONTROLLERF3-#12CONTROLLERF3-#12CONTROLLERF2-#14/1 PAIRCONTROLLERF2-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF1-#14/1 PAIRCONTROLLERF	PED BPH 6B & 1 PED DETECTORLOOP PHASEPED APH 8A & 1 PED DETECTOR11POLE DPH 8B & 1 PED DETECTOR11POLE ALUMINAIRE8A8POLE BLUMINAIRE8B8POLE CLUMINAIRE4A4POLE DLUMINAIRE4B4POLE DLUMINAIRE4B4POLE DLUMINAIRE4B4JB B2LOOP 14C4JB B4LOOP 8A & 4B55JB B1LOOP 8A & 8B55JB B5LOOP 5*LOOP SPACING CONTRACTOR	# OF       DIST. FROM         SLOT       CHANNEL       SIZE       TURNS       STOP BAR         II       1       6X30       2       0         J6       1       6X30       2       0         I6       1       6X30       2       0         I6       1       6X30       2       0         I6       2       6X30       2       0         J1       1       6X30       2       0         ASSUMES 1% GRADE EB AND -1% GRADE WB,       TH ENGINEER       MB,         OOT LOOPS SHALL BE QUADRA-POLE       OUADRA-POLE       D
<ul> <li>INSTALL STEEL STRAIN POLE B WITH 10 FOOT LUMINAIRE ARM AT STA 592+69.66, 63.26, LEFT, WITH LED LUMINAIRE</li> <li>INSTALL PEDESTAL POLE B AT STA 592+72.73, 54.85, LEFT.</li> <li>INSTALL 2 PED HEADS &amp; 2 PED DETECTO ON PEDESTAL POLE B.</li> <li>INSTALL JUNCTION BOX B2</li> <li>SPLICE LOOP WIRES TO ONE I-PAIR LOOP LEAD-INS INSIDE B2 PER LOOP DETAILS.</li> <li>INSTALL I" PVC FOR TRANSITION OF LOOPS IN THE PAVEMENT B2.</li> <li>SIGN</li> </ul>	DRS		SIGNS RIGHT TURN ON RED MUST YIELD TO U-TURN SIGN 'A' RIO-30 30" × 36" NOTE: SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.
$E = \frac{B}{B}$		NOTES:	AND INSTALLED DI CONTRACTOR.
			ALE 1" - 20'
60 A B A B		COMPLIANCE. 2. THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES	LEGEND
AB $AB$ $AB$ $AB$ $AB$ $AB$ $AB$ $AB$		FOR MESSENGER CABLE ATTACHMENTS BASED ON THE PRELIMINARY DESIGN OF THE POLES. IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN 2 FEET FROM THE TOP OF THE POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WILL	EXISTING BASE MOUNTED CONTROLLER STEEL STRAIN POLE
		FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE STEEL STRAIN POLE. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL CONFORM TO THE SPECIFICATIONS STATED ON THE POLE BASE/SIGNAL HEAD DETAILS. THE CONTRACTOR	PEDESTAL POLE JUNCTION BOXES TYPE B (AS DESIGNATED)
		SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISION OF TRAFFIC OPERATIONS FOR APPROVAL.	<pre>     PEDESTRIAN DETECTOR     SIGNAL HEAD </pre>
		3. MODIFY AND RETAIN EXISTING SIGNAL CABINET, WHICH INCLUDES REMOVAL OF SIGNAL CONTROLLER, INSTALL NEW 2" CONDUITS, MODIFY	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
		CABINET WIRING THAT ALLOWS FOR PROPOSED SIGNAL AND LUMINAIRE OPERATION.	- SIGN
44 - CARTER CART	<ul> <li>• INSTALL STEEL STRAIN POLE C</li> </ul>	4. ALL CONDUIT BETWEEN POLES AND PULL BOXES MAY BE PVC. ANY PVC PIPE UNDER ROADWAYS MUST BE SCHEDULE 80.	GPS ANTENNA
CADITE AA AB AC AST	WITH 10 FOOT LUMINAIRE ARM AT STA 593+22.91, 74.21, RIGHT, WITH LED LUMINAIRE * INSTALL PEDESTAL POLE C	5. COORDINATE LOCATION OF TURN ARROWS SHOWN ON PAVEMENT MARKING SHEETS WITH ENGINEER TO	LOOP DETECTOR 2" RIGID STEEL CONDUIT
	<ul> <li>INSTALL PEDESTAL POLE C</li> <li>AT STA 593+39.98, 67.46, RIGHT.</li> <li>INSTALL 2 PED HEADS &amp; 2 PED DETECTORS</li> <li>ON PEDESTAL POLE C.</li> </ul>	DETECTOR LOOPS.	UNLESS OTHERWISE NOTED)
PROP. MOUNTING LOCATION	<ul> <li>* INSTALL JUNCTION BOXES B3 AND B4.</li> <li>* SPLICE LOOP WIRES TO TWO</li> <li>1-PAIR LOOP LEAD-INS INSIDE JB B4</li> <li>* RETAIN EXISTING POLE C</li> </ul>	0' 20' 40' SCALE: 1"=20' 80'	ANSFORMING DIXIE HIGHWAY UNTERS TRACE @ DIXIE HIGHWAY TRAFFIC SIGNAL SHEET



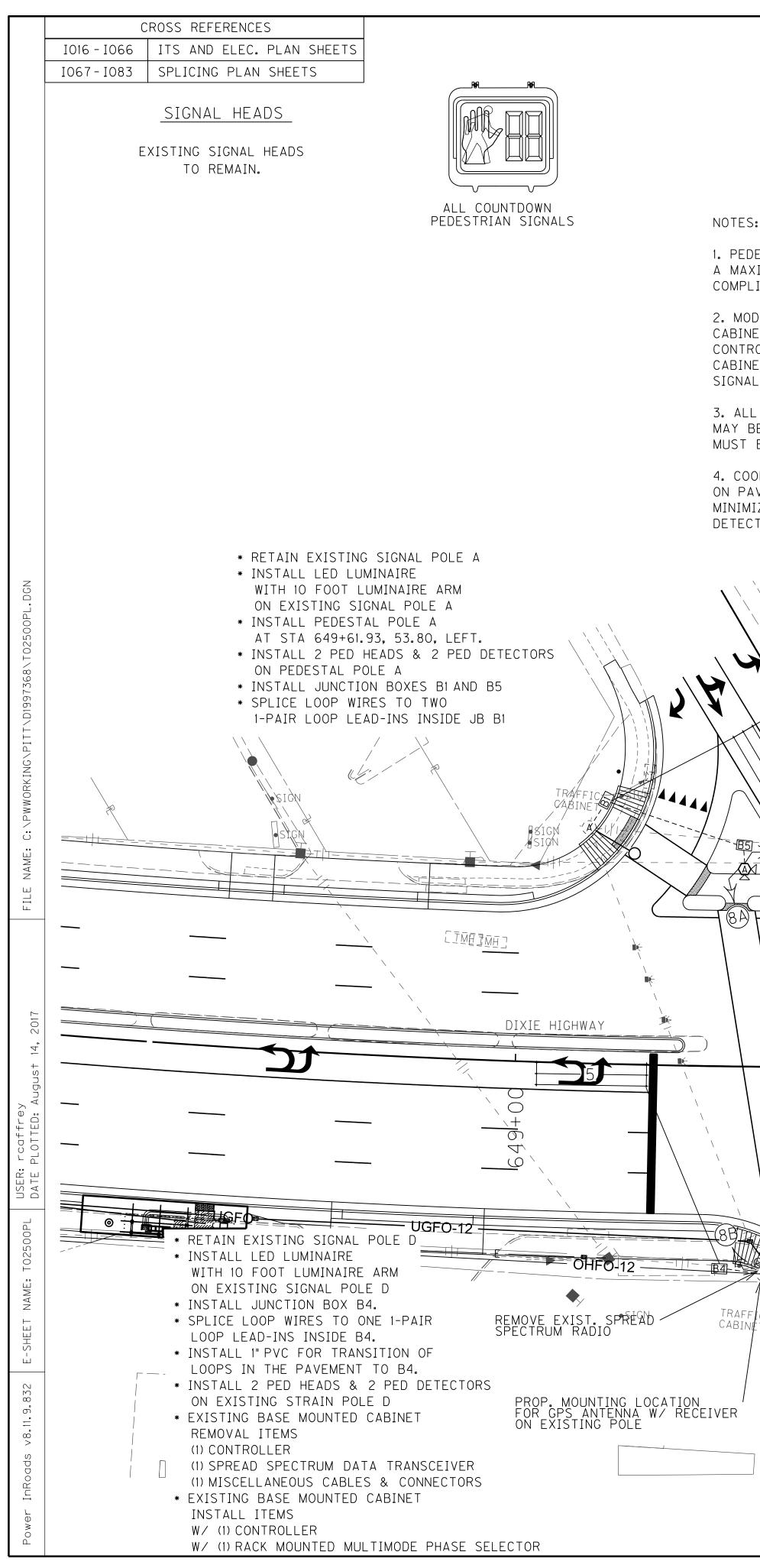
	WIRIN	NG SCHEDULE		COUNTY OF ITEM NO.	SHEET NO.
STEEL STRAIN POLES				JEFFERSON 5-478.7	T023
DLE         HEIGHT         SPAN         ATT. HT.         CALC. SERV. MOMENT         SAG           32'         A-B         30.00         161.93         3%           A-D         30.50         3%         3%           B-C         30.00         142.79         3%           B-C         30.50         3%         3%           C-D         28.50         142.05         3%           C-D         28.00         30'         0-A         28.50         150.91         3%           D-C         28.00         3%         3%         3%         3%         3%           D-C         28.00         150.91         3%         3%         3%           D-C         28.00         3%         3%         3%         3%           ALL         MESSENGER         IS 10,800 LB         160         3%         3%	CABLE         ORIGIN           1-#14/5C         CONTRO           3-#12         CONTRO           3-#12         CONTRO           3-#12         CONTRO           1-#14/1 PAIR         CONTRO           1-#14/1 PAIR         CONTRO           2-#14/1 PAIR         CONTRO           1-#14/1 PAIR         CONTRO           1-#14/1 PAIR	LLERSH 2CSH 2A & 2B & 2CLLERSH 8BSH 8A & 8BLLERSH 4ASH 4A & 4BLLERSH 5SH 5LLERSH 6ASH 6A & 6B & 6CLLERPED DPH 2A & 1 PED DETELLERPOLE CPH 2B & 1 PED DETELLERPED APH 8A & 1 PED DETELLERPED DPH 8B & 1 PED DETELLERPOLE BPH 4A & 1 PED DETELLERPOLE CPH 4B & 1 PED DETELLERPOLE BPH 6A & 1 PED DETELLERPOLE BPH 6B & 1 PED DETELLERPOLE ALUMINAIRELLERPOLE ALUMINAIRELLERPOLE DLUMINAIRELLERJB B2LOOP 1LLERJB B1LOOP 8A & 8BLLERJB B4LOOP 5	CTOR CTOR CTOR CTOR CTOR CTOR CTOR CTOR	OP SCHEDULE + OF CHANNEL SIZE TURNS 1 6X30 2 1 6X30 2 1 6X30 2 1 6X30 2 2 6X30 2 1 6X30 2 1 6X30 2 2 6X30 2 1 6X30	
DETECTORS				SIGNS	
NSCEIVER NNECTORS T PHASE SELECTOR NITH LE * INSTALL * SPLICE L 1-PAIR L * INSTALL * INSTALL	STEEL STRAIN POLE B FOOT LUMINAIRE ARM 618+74.06, 60.06, LEFT, D LUMINAIRE 2 PED HEADS & 2 PED DETECTORS E B. JUNCTION BOX B2 LOOP WIRES TO ONE LOOP LEAD-INS INSIDE B2. 1" PVC FOR TRANSITION OF IN THE PAVEMENT B2.		Ν	NO TURN ON RED SIGN 'A' R10-11a 30" × 36" OTE: SIGNS TO BE PROVIDE AND INSTALLED BY CO	
SPREAD		NOTES:	SCALE	1" - 20′	
IO IS IS IS IS IS IS IS IS IS IS IS IS IS	♥ ¶ \$IGN	1. PEDESTRIAN DETECTORS SI MAXIMUM OF 10" FROM SIDEW COMPLIANCE.	HOULD BE INSTALLED A	LEGEND	
		2. THE CABINET SHALL SUPP FOR MESSENGER CABLE ATTA PRELIMINARY DESIGN OF THE ATTACHMENT LOCATIONS FOR ARE MORE THAN 2 FEET FRO POLE, THE CONTRACTOR SHAL REPLACEMENT CLAMP ASSEME FACILITATE THE INSTALLATION SUPPLIED CLAMP ASSEMBLIES TO THE INSTALLATION OF TH CONTRACTOR SUPPLIED CLAM CONFORM TO THE SPECIFICAT	CHMENTS BASED ON THE POLES. IF THE CLAMP ASSEMBLIES M THE TOP OF THE L PROVIDE BLIES THAT WILL ON. CONTRACTOR S SHALL BE INCIDENTAL HE STEEL STRAIN POLE. P ASSEMBLIES SHALL	EXISTING BASE CONTROLLER STEEL STRAIN PEDESTAL POL JUNCTION BOX TYPE B (AS DESIGNATE PEDESTRIAN DI	POLE E ES D)
		POLE BASE/SIGNAL HEAD DET SHALL SUBMIT SHOP DRAWING REPLACEMENT ASSEMBLIES T TRAFFIC OPERATIONS FOR AF 3. MODIFY AND RETAIN EXIS CABINET, WHICH INCLUDES RE CONTROLLER, INSTALL NEW 2 CABINET WIRING THAT ALLOW SIGNAL AND LUMINAIRE OPER	GS OF THE O THE DIVISION OF PPROVAL. TING SIGNAL EMOVAL OF SIGNAL 2" CONDUITS, MODIFY VS FOR PROPOSED	SIGNAL HEAD PEDESTRIAN HI SIGN GPS ANTENNA	EAD
B4. WITH 10 FOC ONE 1-PAIR B4. WITH 10 FOC AT STA 618 WITH LED LU	EL STRAIN POLE C T LUMINAIRE ARM +77.72, 52.89, RIGHT, UMINAIRE PED HEADS & 2 PED DETECTORS	4. ALL CONDUIT BETWEEN PO MAY BE PVC. ANY PVC PIPE MUST BE SCHEDULE 80. 5. COORDINATE LOCATION OF ON PAVEMENT MARKING SHEE MINIMIZE PLACEMENT OF ARF DETECTOR LOOPS.	TURN ARROWS SHOWN TS WITH ENGINEER TO	LOOP DETECTO 2" RIGID STEEL UNLESS OTHER LUMINAIRE	CONDUIT
NT TO B4. E D 12, RIGHT. ON POLE C. * INSTALL JUN * SPLICE LOOP		0′ 20′ 40′ <b>SC</b>	ALE: 1"=20' 80'	FORMING DIXIE HIGH LANE @ DIXIE HIG AFFIC SIGNAL SHEE	HWAY GHWAY T



STEEL STRAIN POLES         STEEL STRAIN POLES         CABLE       ORIGIN       CONNECTING         POLE       HEIGHT       SPAN       ATT. HT.       CALC. SERV. MOMENT       SAG       1-#14/5C       CONTROLLER       SH 2A       SH 2A & 2B & 2C         A       30'       A-B       28.00       149.58       3%       1-#14/5C       CONTROLLER       SH 4A       SH 4A & 4B       SH 4A & 4B       CONTROLLER       SH 4A & 4B       CONTROLLER       SH 4A & 4B       SH 4A & 4B       SH 4A & 4B       CONTROLLER       SH 4A & 4B       SH 4A & 4B <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>WIRING SC</th> <th>HEDIII F</th> <th></th> <th></th> <th>COUNTY OF</th> <th>ITEM NO.</th> <th>SHEET NO.</th>								WIRING SC	HEDIII F			COUNTY OF	ITEM NO.	SHEET NO.
POLE       HEIGHT       SPAN       AIT. HT.       CALC. SERV. MOMENT       SAG       I-#I4/5C       CONTROLLER       SH 2A       SH 2A & 28 & 2C         A       30'       A-8       28.00       149.58       3%       I-#I4/5C       CONTROLLER       SH 4A       SH 4A & 44       A         B       30'       B-A       28.00       113.67       3%       I-#I4/5C       CONTROLLER       SH 6C       SH 6A			STE	EL STRAIN	POLES							JEFFERSON	5-478.7	T024
A B       28.00       113.67       3%       1-*14/5C       CONTROLLER       SH 6A       & 6B & 6C <td< th=""><th><u>Pole</u> A</th><th></th><th><u>SPAN</u> A-B</th><th><u>att. ht.</u> 28.00</th><th><u>CALC. SERV. MOMENT</u></th><th></th><th>1-#14/5C 1-#14/5C</th><th>CONTROLLER CONTROLLER</th><th>SH 2A SH 4A</th><th>SH 2A &amp; 2B &amp; 2C SH 4A &amp; 4B</th><th></th><th>L</th><th></th><th></th></td<>	<u>Pole</u> A		<u>SPAN</u> A-B	<u>att. ht.</u> 28.00	<u>CALC. SERV. MOMENT</u>		1-#14/5C 1-#14/5C	CONTROLLER CONTROLLER	SH 2A SH 4A	SH 2A & 2B & 2C SH 4A & 4B		L		
C 30' C-B 28.50 122.60 3? C-D 28.00 D 30' D-A 29.00 139.45 3? ALL MESSENGER IS 10.800 LB ALL MESSENGER IS 10.800 LB I = 14/5C CONTROLLER POLE C PH 4B & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 4D & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 4D & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2A & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2B & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2B & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2B & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2B & IPED DETECTOR I = 14/5C CONTROLLER POLE C PH 2B & IPED DETECTOR I = 14/5C CONTROLLER POLE C LUMINAIRE I = 14/5C CONTROLLER JB B2 I = 14/1 PAIR CONTROLLER JB B3 I = 1000 P 1 I I I I I I I I I	В	30′	B-A		113.67	3%	1-#14/5C 1-#14/5C	CONTROLLER CONTROLLER	SH 6C SH 8A	SH 8A & 8B			X	/ /
D 30' D-A 29.00 139.45 3% 1-#14/5C CONTROLLER POLE C PH 4D & 1 PED DETECTOR D-C 28.00 ALL MESSENGER IS 10.800 LB ALL MESSENGER I	С	30′			122.60	3%	1-#14/5C	CONTROLLER	POLE D	PH 4B & 1 PED DETECTOR				
ALL MESSENGER IS 10,800 LB3-#12CONTROLLERPOLE ALUMINAIREH OF DIST.3-#12CONTROLLERPOLE BLUMINAIRELOOPPHASESLOTCHANNELSIZETURNSSTOP3-#12CONTROLLERPOLE CLUMINAIRE4A4I616X3023-#12CONTROLLERPOLE DLUMINAIRE4B4I626X3023-#12CONTROLLERPOLE DLUMINAIRE4B4I626X3022-#14/1 PAIRCONTROLLERJB B2LOOP 4A & 4B88J616X3021-#14/1 PAIRCONTROLLERJB B1LOOP 11116X302	D	30′			139.45	3%	1-#14/5C 1-#14/5C	CONTROLLER CONTROLLER	POLE D	PH 4D & 1PED DETECTOR PH 2A & 1PED DETECTOR	()	OP SCHED	/ UIF	
	ALL	MESSENG	ER IS 10	,800 LB			3-#12 3-#12 3-#12 3-#12 2-#14/1 PAIR	CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER	POLE A POLE B POLE C POLE D JB B2	LUMINAIRE LUMINAIRE LUMINAIRE LOOP 4A & 4B	<u>LOOP PHASE SLOT</u> 4A 4 I6 4B 4 I6	CHANNEL         SIZ           1         6X30           2         6X30           1         6X30	# OF E <u>TURNS</u> 2 2 2 2	DIST. FROM STOP BAR O O O O O
GPS CABLE MULTIMODE GPS ANTENNA GPS ANTENNA ALL 6 X 30 FOOT LOOPS SHALL BE QUADRA-POLE PHASE SELECTOR W/ RECEIVER W/ RECEIVER							1-#14/1 PAIR	CONTROLLER	JB B1	LOOP 8		ES 1% GRADE E /ERIFY IN FIEL	B AND -1% G D WITH ENGI	RADE WB, Neer

## NOTES:

1. PEDESTRIAN DETECTORS SHOULD BE INSTALLED A SCALE 1" - 20' MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE. LEGEND 2. THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES EXISTING BASE MOUNTED FOR MESSENGER CABLE ATTACHMENTS BASED ON THE PRELIMINARY DESIGN OF THE POLES. IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN 2 FEET FROM THE TOP OF THE ( )STEEL STRAIN POLE POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WILL FACILITATE THE INSTALLATION. CONTRACTOR  $\langle D \rangle$ PEDESTAL POLE SUPPLIED CLAMP ASSEMBLIES SHALL BE INCIDENTAL JUNCTION BOXES TO THE INSTALLATION OF THE STEEL STRAIN POLE. B9 τύρε Β CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL (AS DESIGNATED) CONFORM TO THE SPECIFICATIONS STATED ON THE POLE BASE/SIGNAL HEAD DETAILS. THE CONTRACTOR PEDESTRIAN DETECTOR  $\langle |$ SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISION OF TRAFFIC OPERATIONS FOR APPROVAL. SIGNAL HEAD 3. MODIFY AND RETAIN EXISTING SIGNAL  $\searrow$ CABINET, WHICH INCLUDES REMOVAL OF SIGNAL PEDESTRIAN HEAD CONTROLLER, INSTALL NEW 2" CONDUITS, MODIFY CABINET WIRING THAT ALLOWS FOR PROPOSED SIGN SIGNAL AND LUMINAIRE OPERATION. 4. ALL CONDUIT BETWEEN POLES AND PULL BOXES GPS ANTENNA MAY BE PVC. ANY PVC PIPE UNDER ROADWAYS MUST BE SCHEDULE 80. LOOP DETECTOR _____ 5. COORDINATE LOCATION OF TURN ARROWS SHOWN ON PAVEMENT MARKING SHEETS WITH ENGINEER TO 2" RIGID STEEL CONDUIT MINIMIZE PLACEMENT OF ARROWS ON TRAFFIC (UNLESS OTHERWISE NOTED) DETECTOR LOOPS. TRANSFORMING DIXIE_HIGHWAY GAGEL AVENUE © DIXIE HIGHWAY TRAFFIC SIGNAL SHEET 40' SCALE: 1"=20' 80 20′

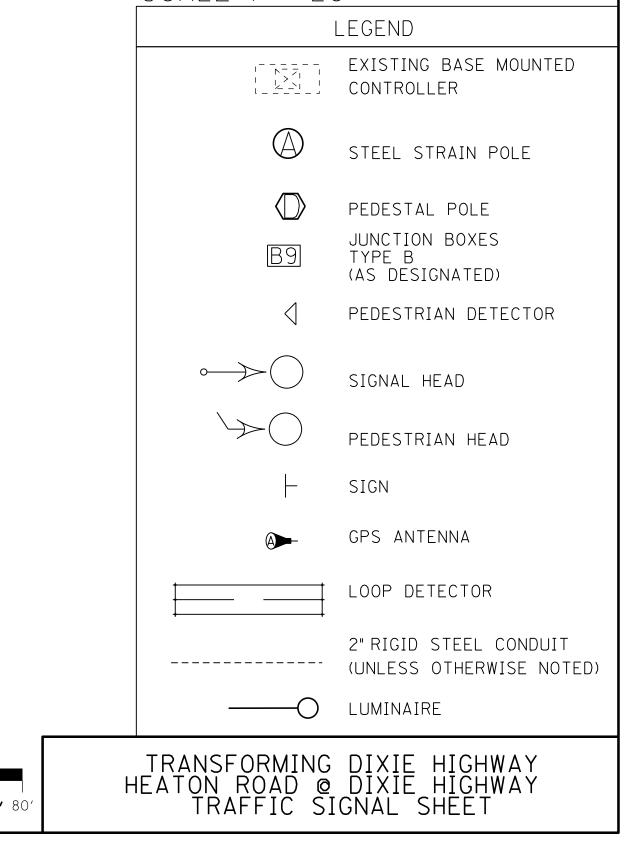


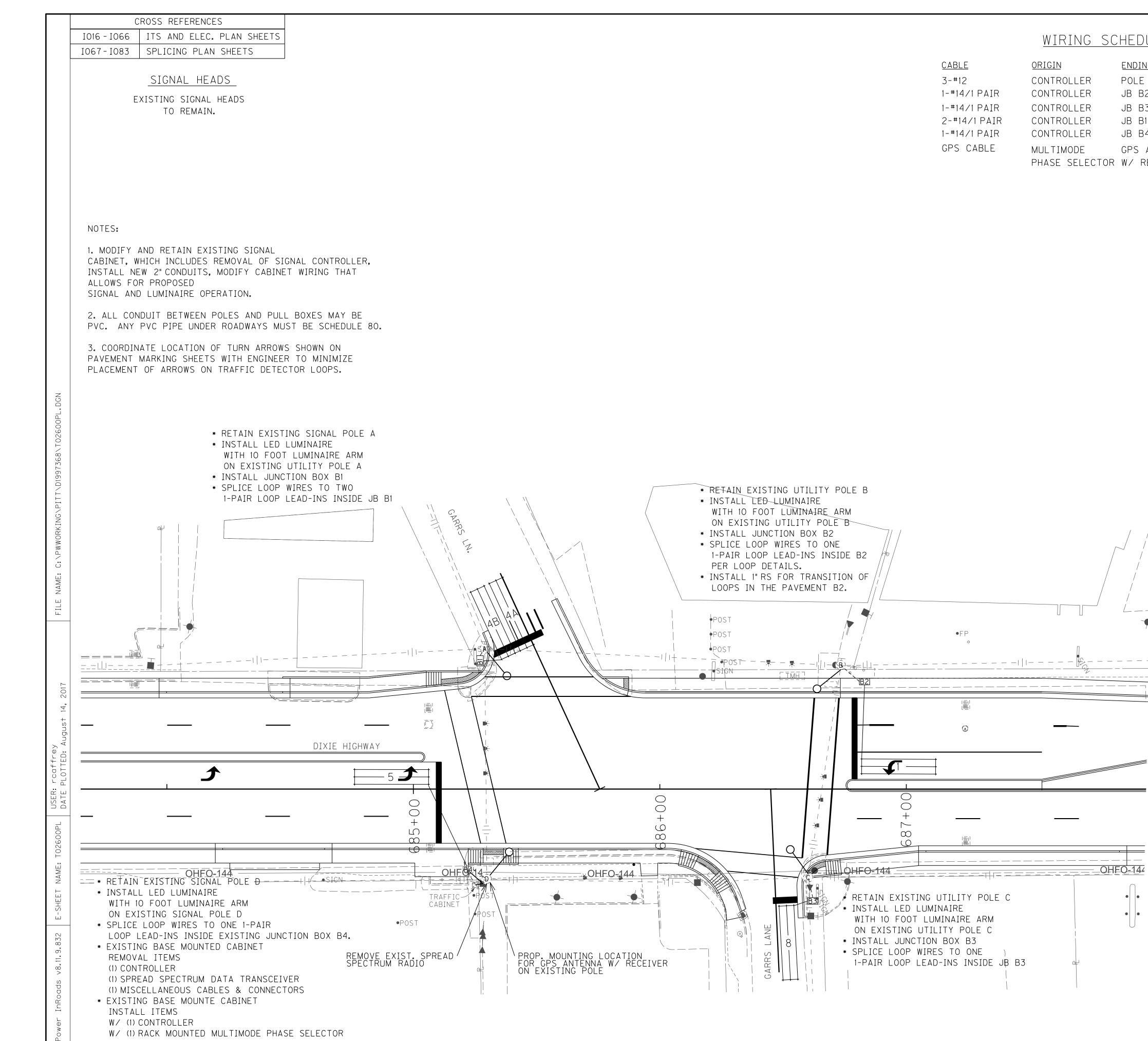
		<u>wiring</u> sci	HEDULE				COUNTY OF	ITEM NO. 5-478.7	SHEET NO
: ESTRIAN DETECTORS SHOULD BE INSTALLED IMUM OF 10°FROM SIDEWALK FOR ADA IANCE. DIFY AND RETAIN EXISTING SIGNAL ET, WHICH INCLUDES REMOVAL OF SIGNAL OLLER, INSTALL NEW 2° CONDUITS, MODIFY ET WIRING THAT ALLOWS FOR PROPOSED _ AND LUMINAIRE OPERATION. . CONDUIT BETWEEN POLES AND PULL BOXES E PVC. ANY PVC PIPE UNDER ROADWAYS BE SCHEDULE 80.	CABLE 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 1-#14/5C 3-#12 3-#12 3-#12 3-#12 1-#14/1 PAIR 2-#14/1 PAIR 1-#14/1 PAIR 1-#14/1 PAIR GPS CABLE	ORIGIN CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER MULTIMODE PHASE SELECTOR		CONNECTING PH 2A & 1 PED DETECTOR PH 2B & 1 PED DETECTOR PH 8A & 1 PED DETECTOR PH 8B & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR PH 6A & 1 PED DETECTOR PH 6B & 1 PED DETECTOR PH 6B & 1 PED DETECTOR LUMINAIRE LUMINAIRE LUMINAIRE LOOP 1 LOOP 4A LOOP 8A & 8B LOOP 5 GPS ANTENNA W/ RECEIVER	1 4A 8A		DP       SCHED         CHANNEL       SIZ         1       6X3         1       6X3         2       6X3         1       6X3         2       6X3         1       6X3	DULE # OF D E TURNS S 0 2 0 2 0 2 0 2 0 2	DIST. FROM STOP BAR 0 0 0 0 0
DRDINATE LOCATION OF TURN ARROWS SHOWN VEMENT MARKING SHEETS WITH ENGINEER TO ZE PLACEMENT OF ARROWS ON TRAFFIC TOR LOOPS.							ES 1% GRADE I 'ERIFY IN FIEL DOPS SHALL BE		
* INSTALL TPVC FOR LOOPS IN THE PAV	R TRANSITION OF /EMENT B2.	3							
	E E E E E E E E E E E E E E E E E E E					SCALE	1" - 20'		
BB BA B	E E E E E E E E E E E E E E E E E E E					SCALE	LEG	SEND ISTING BASE NTROLLER EEL STRAIN F	POLE
BB BAT THE PAN BB BAT THE PAN BAT THE PAN BB BAT THE PAN BAT	E E E E E E E E E E E E E E E E E E E					SCALE	LEG	ISTING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B 5 DESIGNATED DESTRIAN DET	POLE S
	E E E E E E E E E E E E E E E E E E E					SCALE	LEG	ISTING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B S DESIGNATED DESTRIAN DET GNAL HEAD DESTRIAN HEA	POLE S )) TECTOR

* INSTALL JUNCTION BOX B3

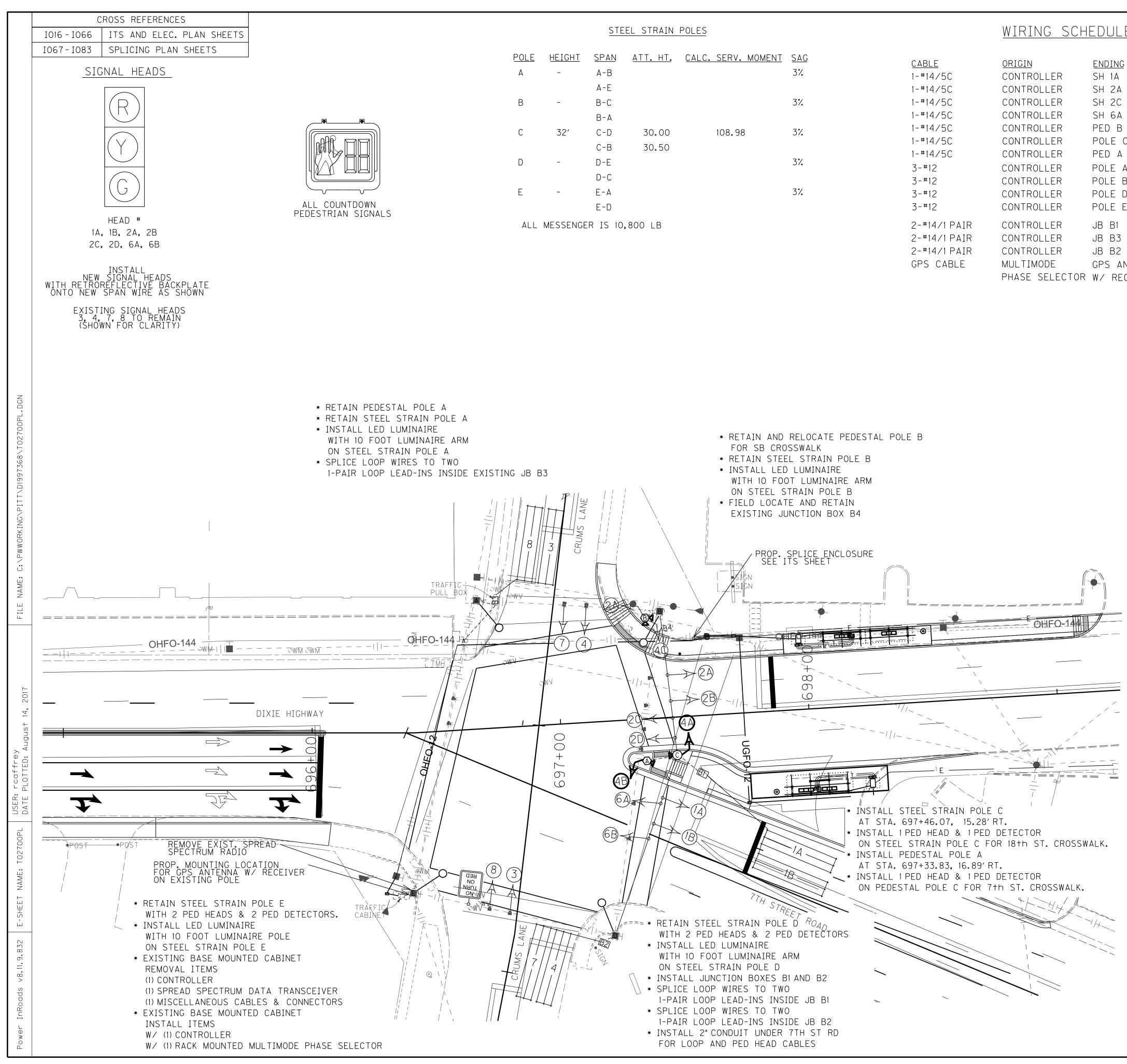
* SPLICE LOOP WIRES TO ONE

1-PAIR LOOP LEAD-INS INSIDE JB B3





	WIRING SC	CHEDULE				DUNTY OF	ITEM NO.	SHEET NO.
<u>CABLE</u> 3-#12 -#14/1 PAIR -#14/1 PAIR 2-#14/1 PAIR -#14/1 PAIR GPS CABLE	ORIGIN CONTROLLER CONTROLLER CONTROLLER CONTROLLER CONTROLLER MULTIMODE PHASE SELECTOR	ENDING POLE D JB B2 JB B3 JB B1 JB B4 GPS ANTENNA	CONNECTING LUMINAIRE LOOP 1 LOOP 8 LOOP 4A & 4B LOOP 5 GPS ANTENNA W/ RECEIVER		JEF	FERSON	5-478.7	T026
					SLOT CHAN I1 J6 I6	1 6X30 1 6X30 1 6X30 2 6X30 1 6X30 1 6X30 1 6X30 7 IN FIEL	# OF E <u>TURNS</u> 2 2 2 2 2 2 2 2 2 2 3 2 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	
•FP				S	<u>Cale 1" -</u>	<u>- 20'</u> LEG	END	
					( ( 	STE D PEC 9 JUN TYF (AS	STING BASE NTROLLER EEL STRAIN F DESTAL POLE NCTION BOXES PE B DESIGNATED DESTRIAN DE	POLE S
TILITY POLE C AIRE INAIRE ARM TY POLE C BOX B3 TO ONE ) INS INSIDE JB E		EQ-144				SIG PEC PEC F GPS LOC 2" F (UN	SNAL HEAD Destrian hea	AD
		0'		t"=20' ^{80'}	RANSFORM ARRS LAN TRAFFI	MING DI E @ DI C SIGN/	XIE HIGH XIE HIGH Al Sheet	WAY WAY



		<u>STE</u>	EL STRAIN	POLES			<u>wiring</u> sch	EDULE	
POLE A	<u>HEIGHT</u> -	<u>SPAN</u> A-B A-E	<u>att. ht.</u>	<u>CALC. SERV. MOMENT</u>	<u>SAG</u> 3%	<u>CABLE</u> 1-#14/5C	<u>ORIGIN</u> CONTROLLER	<u>ENDING</u> SH 1A	CONNECTING SH 1A & SH 1B
В	-	B-C B-A			3%	1-#14/5C 1-#14/5C 1-#14/5C	CONTROLLER CONTROLLER CONTROLLER	SH 2A SH 2C SH 6A	SH 2A & SH 2B SH 2C & SH 2D SH 6A & SH 6B
С	32′	C-D C-B	30.00 30.50	108.98	3%	1-#14/5C 1-#14/5C 1-#14/5C	CONTROLLER CONTROLLER CONTROLLER	PED B POLE C PED A	PH 4C & 1 PED DETECTOR PH 4A & 1 PED DETECTOR PH 4B & 1 PED DETECTOR
D	-	D-E D-C			3%	3-#12 3-#12	CONTROLLER	POLE A POLE B	LUMINAIRE LUMINAIRE
E	-	E-A E-D			3%	3-#12 3-#12	CONTROLLER CONTROLLER	POLE D POLE E	LUMINAIRE LUMINAIRE
ALL	MESSENGE	R IS 10,	,800 LB			2-#14/1 PAIR 2-#14/1 PAIR 2-#14/1 PAIR GPS CABLE	CONTROLLER CONTROLLER CONTROLLER MULTIMODE	JB B1 JB B3 JB B2 GPS ANTENNA	LOOP 1A & 1B LOOP 4 & 7 LOOP 3 & 8 GPS ANTENNA
							PHASE SELECTOR	W∕ RECEIVER	W/ RECEIVER

			COUNTY	OF	ITEM NO.	SHEET NO.
			JEFFERS	ON	5-478.7	T027
		LO	OP SC	HEDL	JLE	
LOOP	PHASE	SLOT	CHANNEL	SIZE	# OF TURNS	DIST. FROM STOP BAR
1A	1	I1	1	6X30	2	0
1B	1	I1	2	6X30	2	0
3	3	13	1	6X30	2	0
4	4	I6	1	6X30	2	0
7	7	J3	1	6X30	2	0
8	8	J6	1	6X30	2	0
			ES 1% GR/ /ERIFY IN )OPS SHAL		3 AND -1% WITH ENG QUADRA-PO	

SIGNS

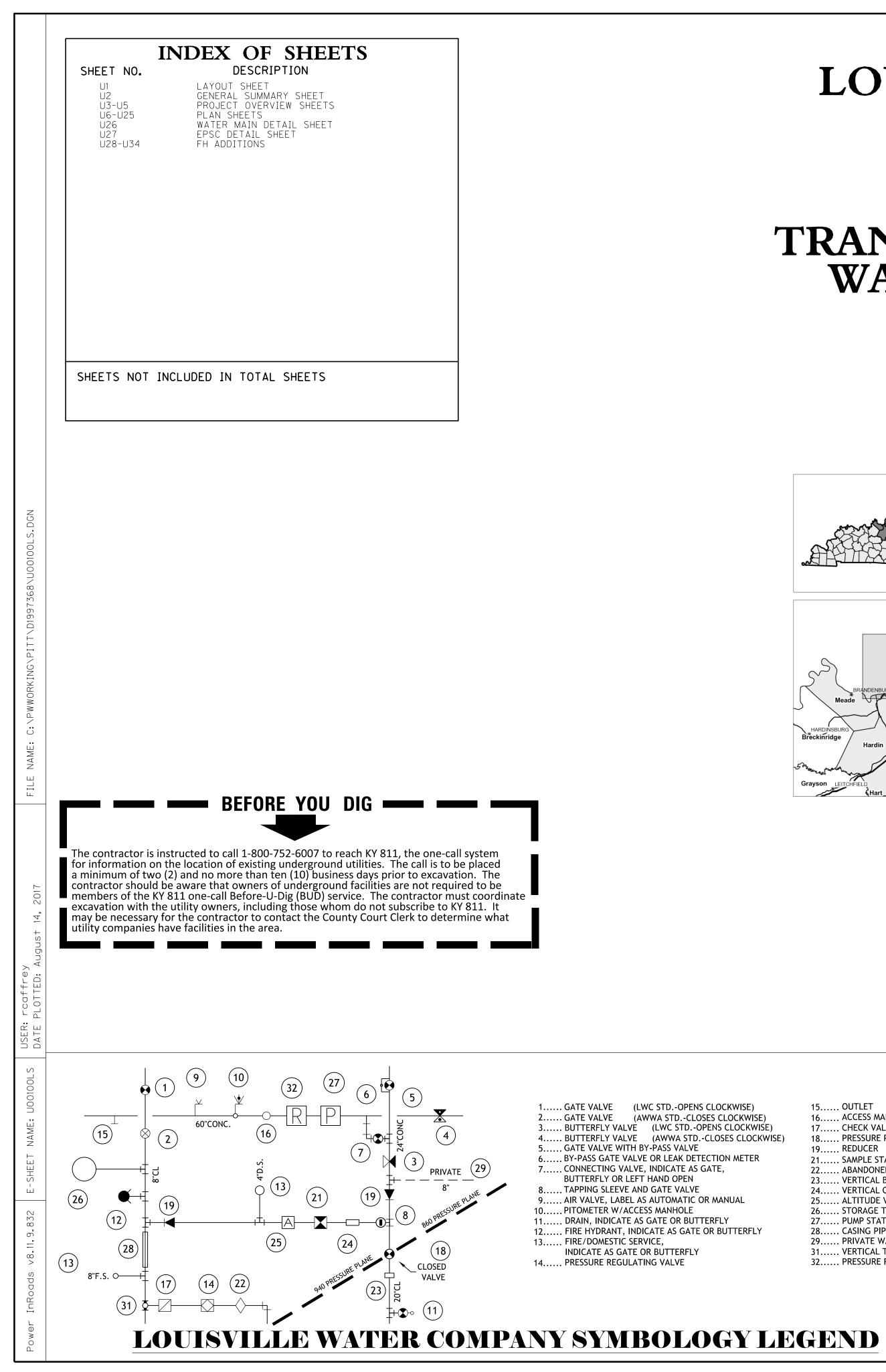


R10-11a 30"× 36"

NOTE: SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.

NOTES:

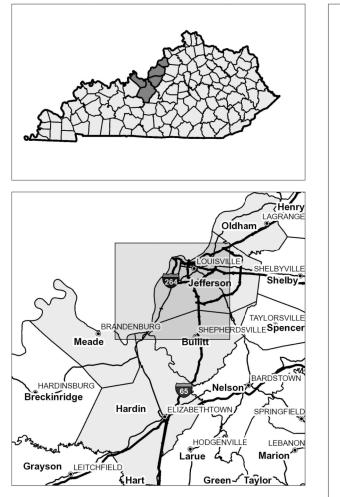
NUTES:	
1. PEDESTRIAN DETECTORS SHOULD BE INSTALLED A	SCALE 1" - 20'
MAXIMUM OF 10" FROM SIDEWALK FOR ADA COMPLIANCE.	LEGEND
2. THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES FOR MESSENGER CABLE ATTACHMENTS BASED ON THE	EXISTING BASE MOUNTED
PRELIMINARY DESIGN OF THE POLES. IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN 2 FEET FROM THE TOP OF THE	STEEL STRAIN POLE
POLE, THE CONTRACTOR SHALL PROVIDE REPLACEMENT CLAMP ASSEMBLIES THAT WILL	PEDESTAL POLE
FACILITATE THE INSTALLATION. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE STEEL STRAIN POLE.	B9 JUNCTION BOXES TYPE B (AS DESIGNATED)
CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL CONFORM TO THE SPECIFICATIONS STATED ON THE POLE BASE/SIGNAL HEAD DETAILS. THE CONTRACTOR	<pre>     PEDESTRIAN DETECTOR </pre>
SHALL SUBMIT SHOP DRAWINGS OF THE REPLACEMENT ASSEMBLIES TO THE DIVISION OF TRAFFIC OPERATIONS FOR APPROVAL.	SIGNAL HEAD
3. MODIFY AND RETAIN EXISTING SIGNAL Cabinet, which includes removal of signal	PEDESTRIAN HEAD
CABINET, WHICH INCLUDES NEMOVAL OF SIGNAL CONTROLLER, INSTALL NEW 2" CONDUITS, MODIFY CABINET WIRING THAT ALLOWS FOR PROPOSED SIGNAL AND LUMINAIRE OPERATION.	- SIGN
4. ALL CONDUIT BETWEEN POLES AND PULL BOXES	GPS ANTENNA
MAY BE PVC. ANY PVC PIPE UNDER ROADWAYS MUST BE SCHEDULE 80.	LOOP DETECTOR
5. COORDINATE LOCATION OF TURN ARROWS SHOWN ON PAVEMENT MARKING SHEETS WITH ENGINEER TO MINIMIZE PLACEMENT OF ARROWS ON TRAFFIC	2" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
DETECTOR LOOPS.	O LUMINAIRE
	TRANSFORMING DIXIE HIGHWAY CRUMS LANE @ DIXIE HIGHWAY
0' 20' 40' SCALE: 1"=20' 80'	TRAFFIC SIGNAL SHEET

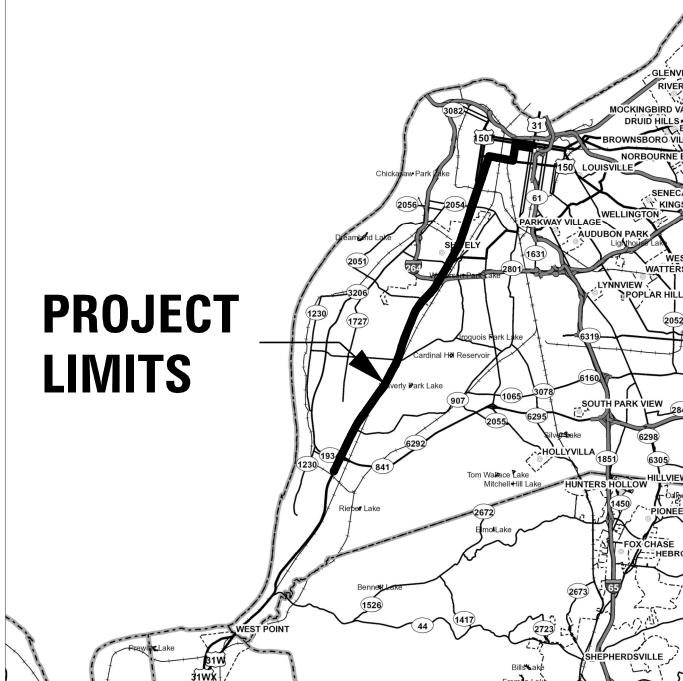


# LOUISVILLE WATER COMPA

# PLANS OF **PROPOSED PROJECT** TRANSFORMING DIXIE HIGHV WATER RELOCATION PLAN

056 0031 013-016 056 0031 004-020 **TGR 0311 034** 





TDOPENS CLOCKWISE)
STDCLOSES CLOCKWISE)
WC STDOPENS CLOCKWISE)
WWA STDCLOSES CLOCKWISE)
ASS VALVE
LEAK DETECTION METER
DICATE AS GATE,
ND OPEN
TE VALVE
TOMATIC OR MANUAL
ANHOLE
E OR BUTTERFLY
E AS GATE OR BUTTERFLY
UTTERFLY
VALVE

15..... OUTLET 16..... ACCESS MANHOLE 17..... CHECK VALVE 18..... PRESSURE PLANE BOUNDARY VALVE 19..... REDUCER 21..... SAMPLE STATION 22..... ABANDONED VALVE 23..... VERTICAL BEND 24..... VERTICAL OFFSET 25..... ALTITUDE VALVE 26..... STORAGE TANK 27..... PUMP STATION 28..... CASING PIPE 29..... PRIVATE WATER MAIN 31..... VERTICAL TEE 32..... PRESSURE REDUCING STATION

# LAYOUT MAP

	COUNTY OF	ITEM NO.	SHEET NO
NY	JEFFERSON	5-487.7	U001
YAY			
5			
		J	
Vutite Pond			
VALLEYTEN BROECK PRTHORNHILL NCROET HILLS WESTWOOD OSSGATE MOORLAND LYNDON			
HLAWN NORWOOD			
NS THURSTBOURNE			
HOUSTON ACRES			
1747			
PHOLLOW CREEK SPRING MILL 6161 VIII			
6322			
HERITAGE CREEK			
(1442)			
LOUISVILLE WATER COMPANY	-		
COUNTY OF			Z
JEFFERSON			
ITEM NO. 5-478.7	_		
ITEM NO. 5-478.7 PROJECT NUMBER: 056 0031 013-016 056 0031 004-020 TGR 0311 034	-		
ITEM NO. 5-478.7 PROJECT 056 0031 013-016 056 0031 004-020 TGR 0311 034 LETTING DATE: AUGUST 2017			
ITEM NO. 5-478.7 PROJECT NUMBER: 056 0031 013-016 056 0031 004-020 TGR 0311 034			

ITEM	<b>DESCRIPTION</b> ③
14021	W FIRE HYDRANT REMOVE (4)
14036	W PIPE DUCTILE IRON 06 INCH
14037	W PIPE DUCTILE IRON 08 INCH
14039	W PIPE DUCTILE IRON 12 INCH W PIPE DCTL IRON RSTRND JOINT 12 IN
14095	W TIE-IN 08 INCH (2)
14097	W TIE-IN 12 INCH (2)
14105	W VALVE OG INCH
14106	W VALVE O8 INCH
14108	W VALVE 12 INCH
14156	W METER REMOVE
14510	W FIRE HYDRANT ASSEMBLY INST W METER 1 INCH INST
14514	W METER 2 INCH INST
14517	W METER 3/4 INCH INST
14518	W METER VAULT INST
14631	W SERV COPPER SHORT SIDE 1 IN INST
14632	W SERV COPPER SHORT SIDE 1-1/2 IN INST
14633	W SERV COPPER SHORT SIDE 2 IN INST
14634	W SERV COPPER SHORT SIDE 3/4 IN INST
14076	W REMOVE TRANSITE (AC) PIPE
GI	ENERAL NOTES:
<u> </u>	WATERLINE CONTRACTOR MUST BE PRE-QUALIFIED BY LOUISVILLE WA
-	CONTRACTING IN THE CATEGORY FOR 4" - 16" DUCTILE IRON WATER M
2.	ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH LWC STANDAR SPECIFICATIONS FOR PIPELINE CONSTRUCTION, LATEST EDITION.
3.	ALL WATER MAIN RELOCATION AND SERVICE WORK SHALL BE COORDIN INSPECTOR.
4.	EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS HERE INFORMATION AND ARE APPROXIMATE. THE CONTRACTOR SHALL BE R
	THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUI
5.	TIE-INS FOR WATER MAIN RELOCATION WORK (HORIZONTAL AND VERT THROUGH VACUUM EXCAVATES OR OTHER METHOD TO DETERMINE THE
c	THE EXISTING WATER MAIN AND CONFIRMING THE PIPE MATERIAL.
6.	HORIZONTAL AND VERTICAL ANGLES SHALL BE MADE BY USING STAND SHALL BE LIMITED TO HALF DEGREE AT EACH JOINT OF THE FITTING
7.	THRUST RESULTING FROM UNBALANCED FORCES WHICH OCCUR FROM ( (BENDS, TEES, REDUCERS AND CLOSED VALVES) SHALL BE RESTRAINED TUBLET BLOCKS (UCLD DOWN, BLOCKS AND BY DESTRAINED BIDE, JOIN)
	THRUST BLOCKS/HOLD DOWN BLOCKS AND BY RESTRAINED PIPE JOIN SHALL BE RESTRAINED BY WEDGE TYPE RETAINER GLANDS SUCH AS E
	UNION TUFGRIP OR EQUAL. PUSH ON (BELL AND SPIGOT) JOINT PIPE LESS TYPE RESTRAINT THAT UTILIZES A RETAINER WELDMENT SUCH PIPE TR FLEX OR EQUAL.
8.	DUCTILE IRON PIPE SHALL BE CLASS 350 PIPE WITH CEMENT MORTA
9.	THE PIPE SHALL BE DOUBLE POLYWRAPPED. LWC TERMINOLOGY FOR WATER SERVICE LINES
	R RENEW SERVICE IS DEFINED TO INCLUDE A NEW COPPER SERVICE NEW MAIN TO EXISTING METER STOP AND SHALL INCLUDE INSTAL
	SADDLE AT THE MAIN; INSTALLING ALL TUBING AND/OR PIPE AND "RENEW SERVICE" WILL BE PAID UNDER KYTC BID ITEM W SERVIC
(	Re) <u>Relocate service</u> is defined to include installing a new
(	EXISTING MAIN OR NEW MAIN TO AN EXISTING CUSTOMER AT THE SHOWN ON THE PLANS AND SHALL INCLUDE INSTALLING CORPORAT.
	MAIN, INSTALLING ALL TUBING AND/OR PIPE AND ASSOCIATED FIT VAULT, METER SETTER AND CAST IRON FRAME AN LID. THIS ITEM
	UNDER KYTC BID ITEMS W SERVICE SHORT SIDE INST, W METER
(	M <u>Meter exchange</u> is defined as installing a new meter and Meter vault. This item "Meter exchange" will be paid undef
	W METER INST.
/	D) <u>discontinue service</u> is defined as turning off corporation
(	PLUGGING THE SERVICE LINE AND REMOVING THE OLD METER AND FRAME AND LID. THIS ITEM "DISCONTINUE SERVICE" WILL BE PAID

# **UTILITY – WATER GENERAL SUMMARY**

		 		 1 1			
UNIT	DIXIE HIGHWAY						UTILITY
EA	6						6
LF	12						12
LF	15						15
LF	1522						1522
LF	1350						1350
EA	1						1
EA	38						38
EA	1						1
EA	1						1
EA	9						9
EA	5						5
EA	15						15
EA	2						2
EA	1						1
EA	4						4
EA	5						5
EA	8						8
EA	2						2
EA	3						3
EA	17						17
LF	100						100

ANY (LWC)IN PIPELINE

GS AND TECHNICAL

KYTC AND THE LWC

SED UPON AVAILABLE E FOR DETERMINING ANY DAMAGES WHICH ES.

BE FIELD VERIFIED PTH AND LOCATION OF

INGS. DEFLECTION

PIPELINE DIRECTION METHODS: CONCRETE ANICAL JOINT PIPE MEGALUG, TYLER RESTRAINED BY BOLT CAN FLEX RING, US

FOR INSTALLATION

M THE EXISTING MAIN OR ORATION STOP, TAPPING ED FITTINGS. THIS ITEM SIDE INST.

RVICE LINE FROM THE ER VAULT LOCATION AS TAPPING SADDLE AT THE D INSTALLING NEW METER TE SERVICE" WILL BE PAID W METER VAULT INST.

THE EXISTING OR NEW ITEM

SCONNECTING AND CLUDING CAST IRON TC BID ITEM

NOT BE A KYTC PAY RUCTION UNDER KYTC

- 11. SHUTDOWNS OF EXISTING WATER MAINS FOR TIE-INS MUST BE APPROVED BY KYTC AND LWC IN ADVANCE. DURATIONS OF SHUT DOWN WILL BE LIMITED AND TIE-INS MAY BE REQUIRED AFTER PEAK PERIODS, NIGHT TIME HOURS, OR ON WEEKENDS AT THE DIRECTION OF LWC.
- WATER MAIN INSTALLATION IN DIXIE HIGHWAY THE EXISTING PAVEMENT ALONG DIXIE HIGHWAY CONSISTS OF 3 - 6 INCHES OF BITUMINOUS ASPHALT AND 6 - 8 INCHES OF CONCRETE BASE. RESTORATION SHALL MATCH THE EXISTING CONCRETE BASE AND ASPHALT THICKNESS. BACKFILL SHALL BE PER THE STANDARD DETAILS.
- 13. LWC HAS AN EXISTING 12-INCH AND 14-INCH AC WATER MAIN ALONG DIXIE HIGHWAY NEAR PROPOSED BUS SHELTER SITES #1, #3, #5 AND #7. AT THESE SITES THE ASPHALT PAVEMENT IS TO BE MILLED DOWN TO EXISTING CONCRETE BASE FOR THE CONSTRUCTION OF A NEW CONCRETE BUS STOP PAD. LWC INSPECTOR SHALL BE NOTIFIED BEFORE THIS WORK BEGINS TO WITNESS THE MILLING OPERATIONS. IF IT IS DETERMINED THE CONCRETE BASE IS IN BAD CONDITION AND NEEDS TO BE REPLACED KYTC AND LWC ENGINEER SHALL BE NOTIFIED IMMEDIATELY. BECAUSE OF THE BRITTLE NATURE OF AC PIPE AND PAST LWC EXPERIENCE AN EVALUATION WILL BE MADE TO DETERMINE IF THE AC WATER MAIN WILL NEED TO BE REPLACED BY DI PIPE ALONG THE LIMITS OF THE BUS STOP PAD.
- TEMPORARY BLOW-OFFS. RESTRAINED END CAPS AND FILL PORTS FOR FLUSHING AND PRESSURE 14. TESTING THE NEWLY RELOCATED WATER MAIN IS CONSIDERED INCIDENTAL TO THE PIPELINE INSTALLATION AND IS NOT A SEPARATE KYTC BID ITEM. IF AVAILABLE, LWC MAY ALLOW THE USE OF AN EXISTING FIRE HYDRANT NEARBY AND CLOSURE OF ISOLATION VALVES TO ACCOMMODATE FLUSHING OPERATIONS.
- TEMPORARY SERVICES TO KEEP LWC CUSTOMERS IN SERVICE DURING A SCHEDULED SHUT DOWN FOR 15. TIE-IN WORK IS CONSIDERED INCIDENTAL TO THE PIPELINE INSTALLATION AND SERVICE WORK. TEMPOARAY SERVICES, IF REQUIRED, IS NOT A SEPARATE KYTC BID ITEM.

## **TRAFFIC CONTROL NOTES:**

- CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR IMPLEMENTATION OF MAINTENANCE OF TRAFFIC 1.
- PLAN FOR ALL WATER MAIN RELOCATION WORK. 2. THE ROADWAY MOT PLANS FOR SECTION A (GREENWOOD RD. TO CRUMS LN.) SHALL BE IMPLEMENTED PRIOR TO BEGINNING THE WATER MAIN RELOCATION WORK, SHOWN ON SHEETS UG TO U24. ANY ADDITIONAL MOT PHASING WITHIN SECTION A TO ACCOMMODATE THE RELOCATION WORK SHALL BE CONSIDERED INCIDENTAL.
- THE ROADWAY MOT PLANS FOR SECTION B SHALL BE IMPLEMENTED PRIOR TO BEGINNING THE WATER MAIN RELOCATION WORK ON SHEET U25. ANY ADDITIONAL MOT PHASING WITHIN SECTION B TO ACCOMMODATE THE RELOCATION WORK SHALL BE CONSIDERED INCIDENTAL.

## **EROSION CONTROL NOTES:**

- 1. CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES FOR ALL WATER MAIN RELOCATION WORK. SEE SHEET U27 FOR EPSC DETAILS. THE IMPLEMENTATION OF BMPs WILL DEPEND ON THE
- CONTRACTOR'S SEQUENCE OF CONSTRUCTION AND MEANS AND METHODS OF INSTALLATION.
- A MAJORITY OF WATER MAIN RELOCATION WILL BE IN EXISTING PAVEMENT. STOCKPILING OF 3. THE TRENCH SPOILS IN THE ROADWAY IS NOT ALLOWED. AT A MINIMUM THE CONTRACTOR SHALL INSTALL STONE BAG INLETS AROUND NEARBY CATCH BASINS.
- 4. EROSION CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE RELOCATION WORK.

JEFFERSON	5-487.7	11002
COUNTY OF	ITEM NO.	SHEET NO.

## **NOTES:**

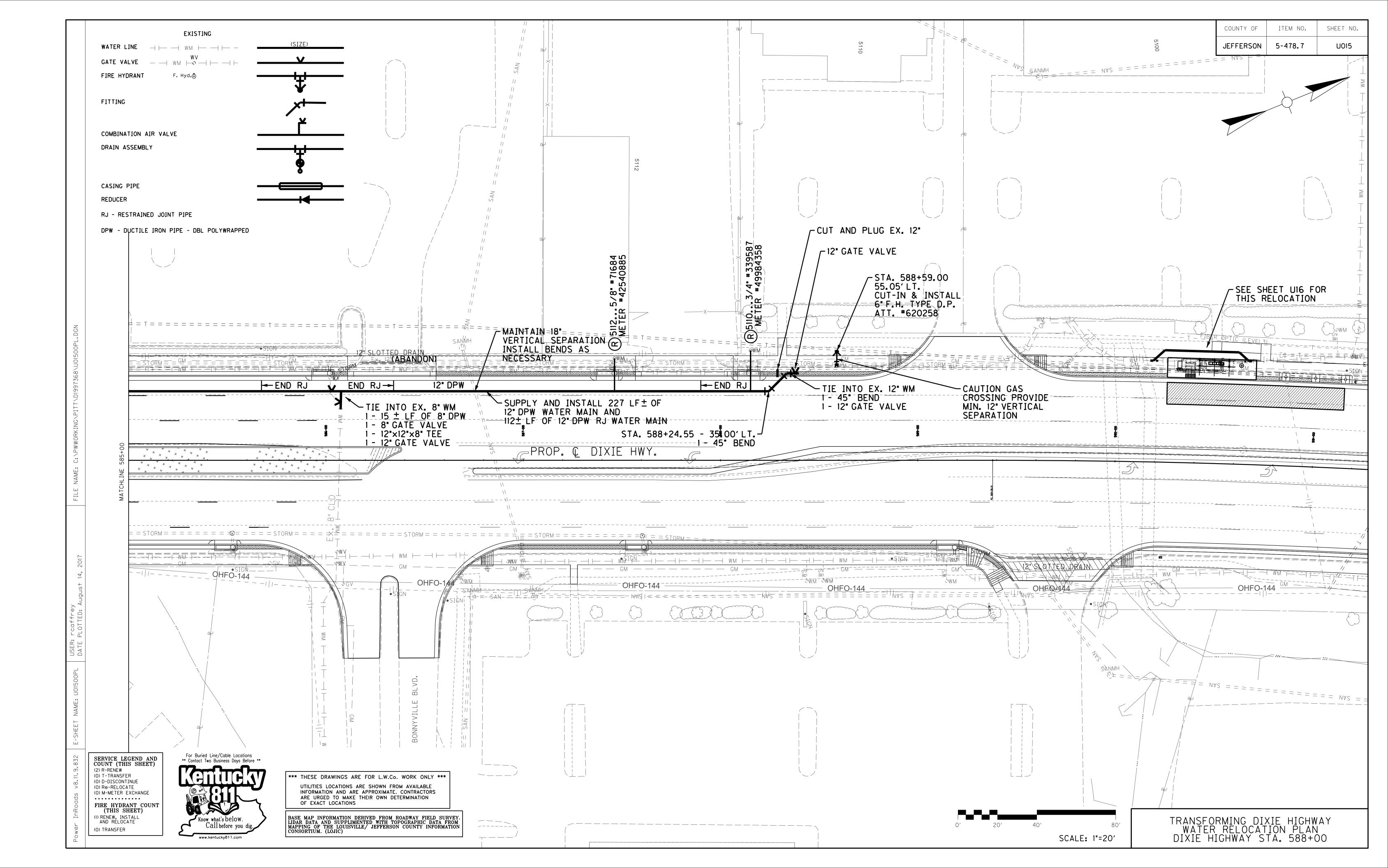
(1) UTILITY SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS

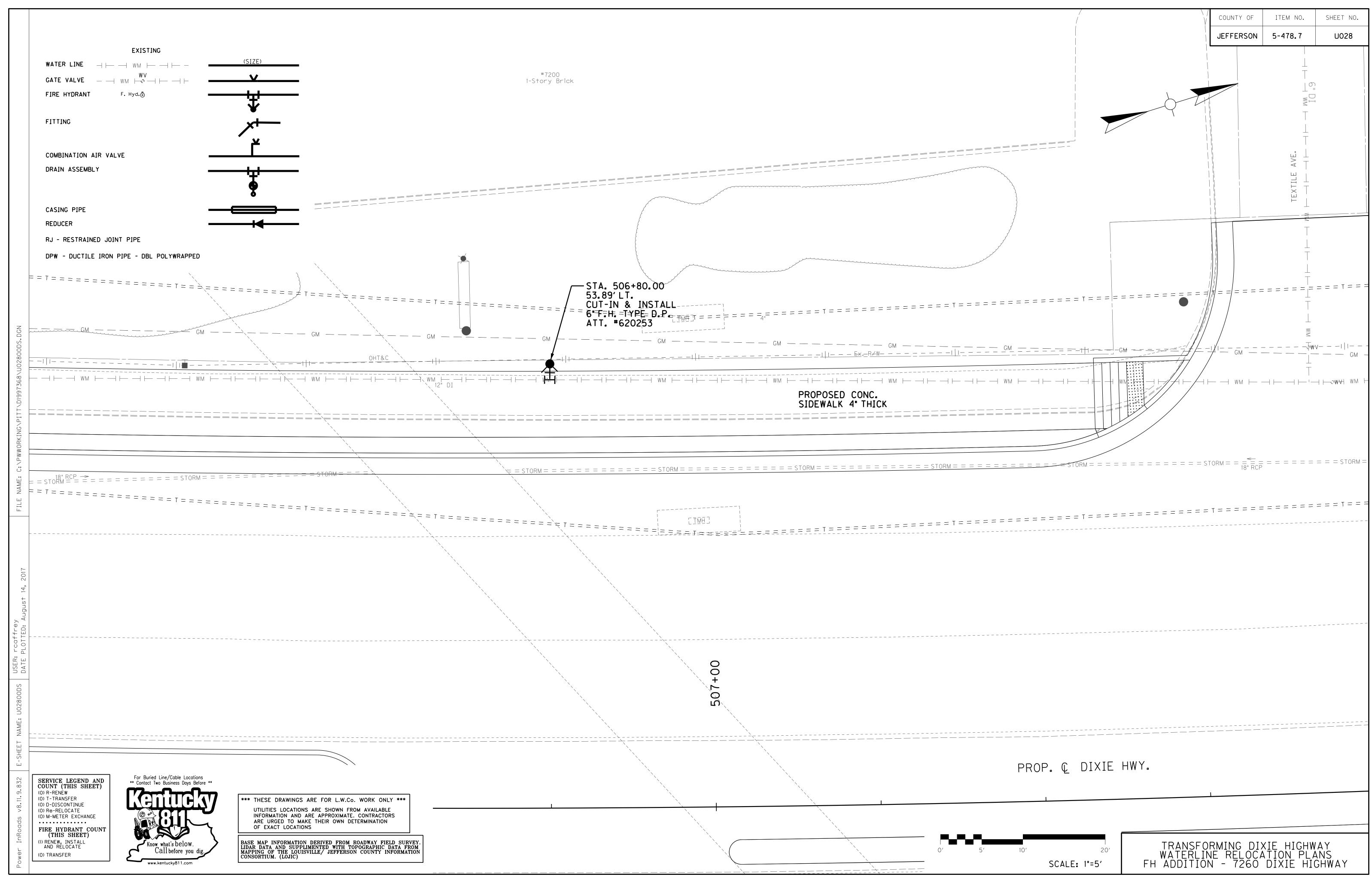
(2) INCLUDES RESTRAINT OF MJ FITTINGS

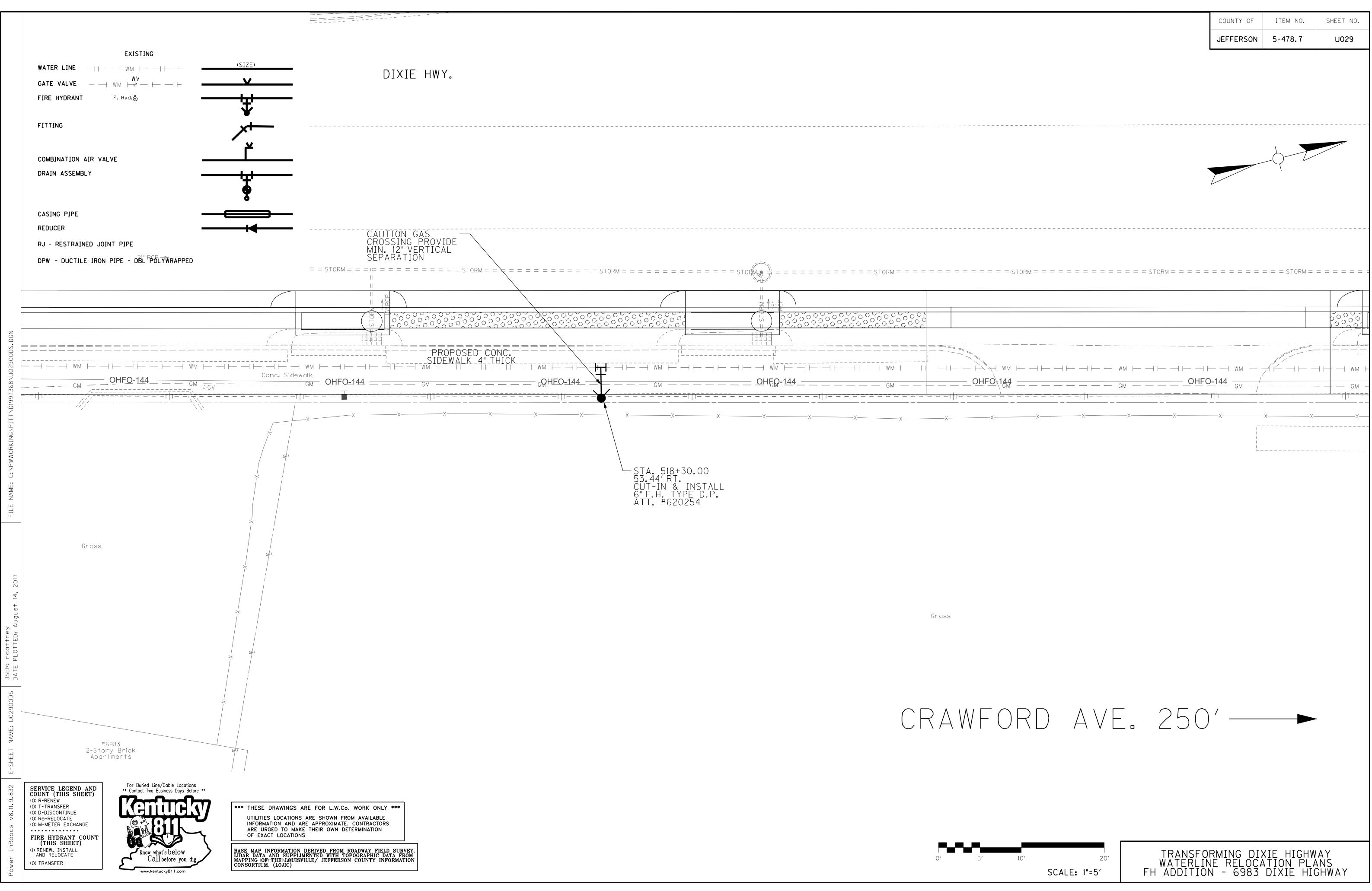
3 BID ITEMS WITH "INST" IN THE NAME, MATERIALS WILL BE FURNISHED BY LWC FROM THE ALMOND AVENUE WAREHOUSE

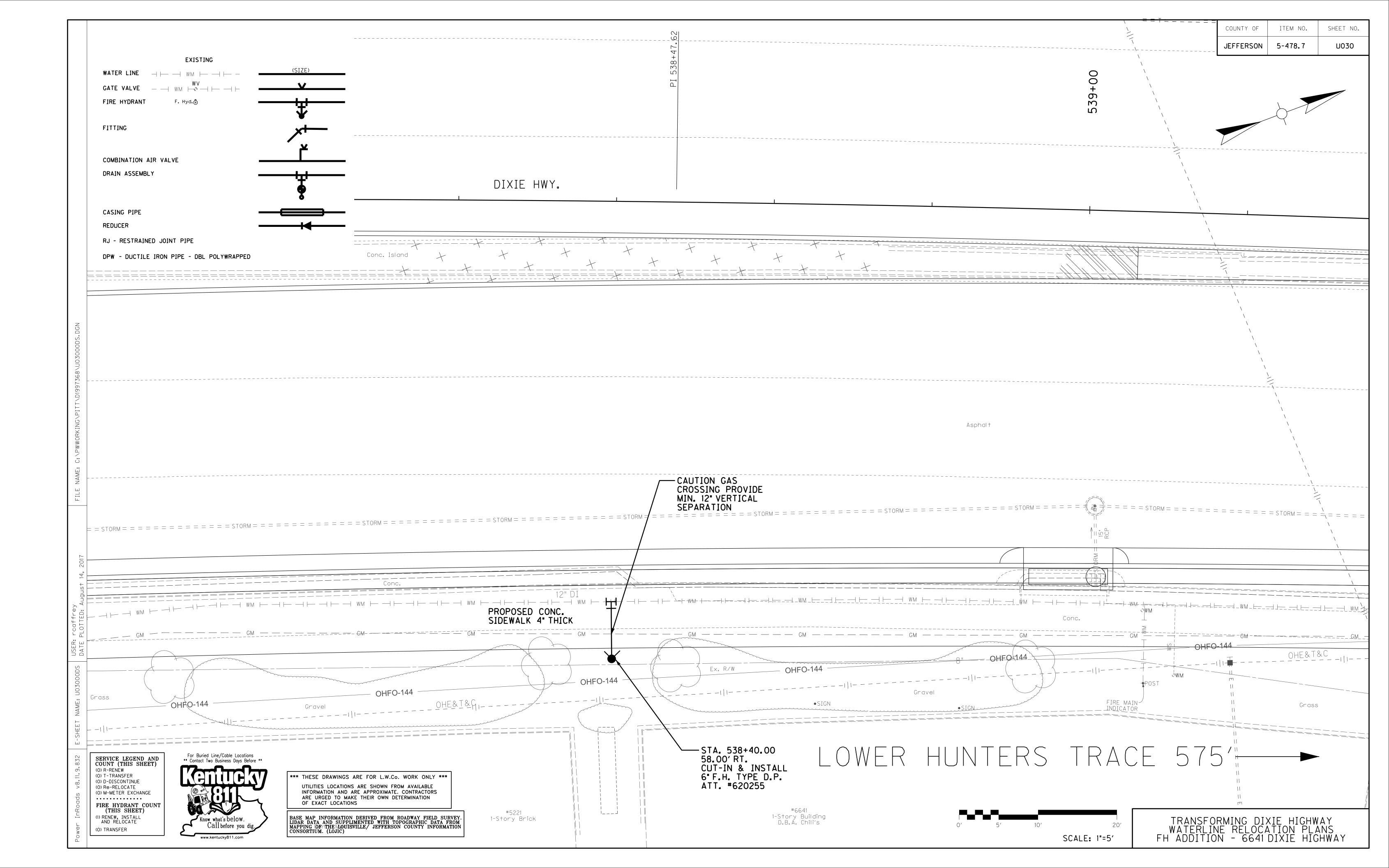
(4) RETURN EXISTING FH TO LWC WAREHOUSE

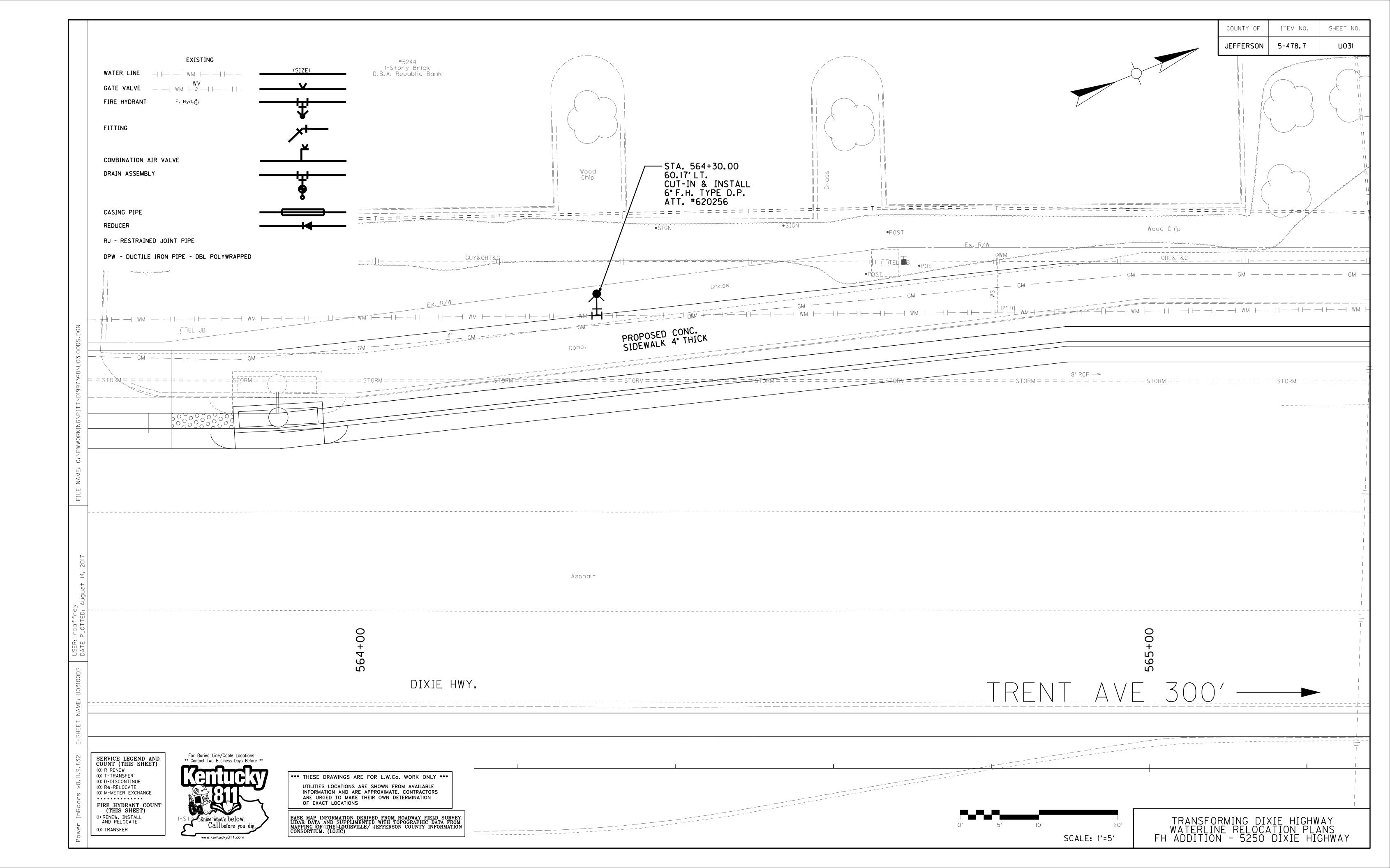
TRANSFORMING DIXIE HIGHWAY UTILITY GENERAL SUMMARY SHEET 1 OF 1

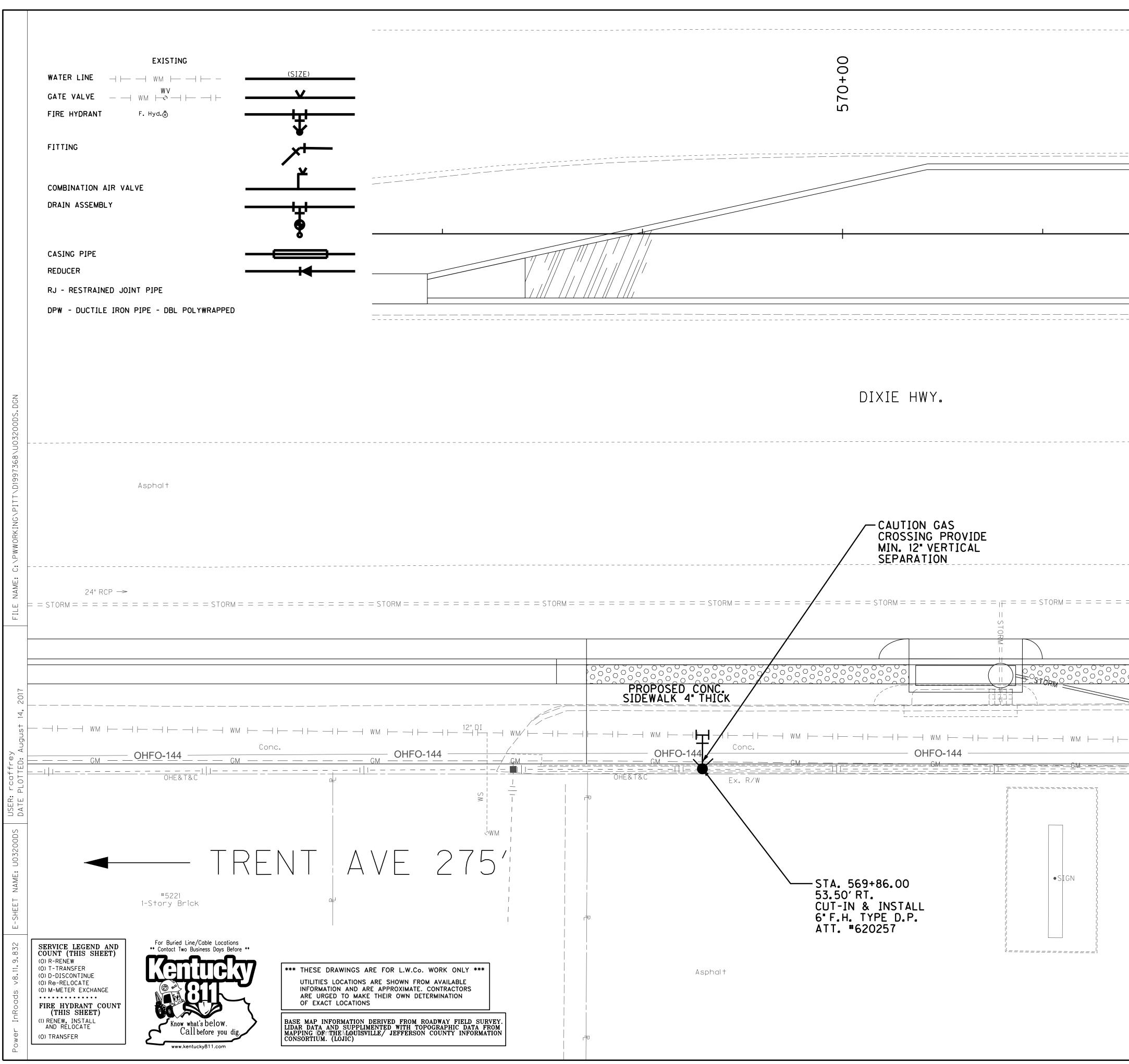




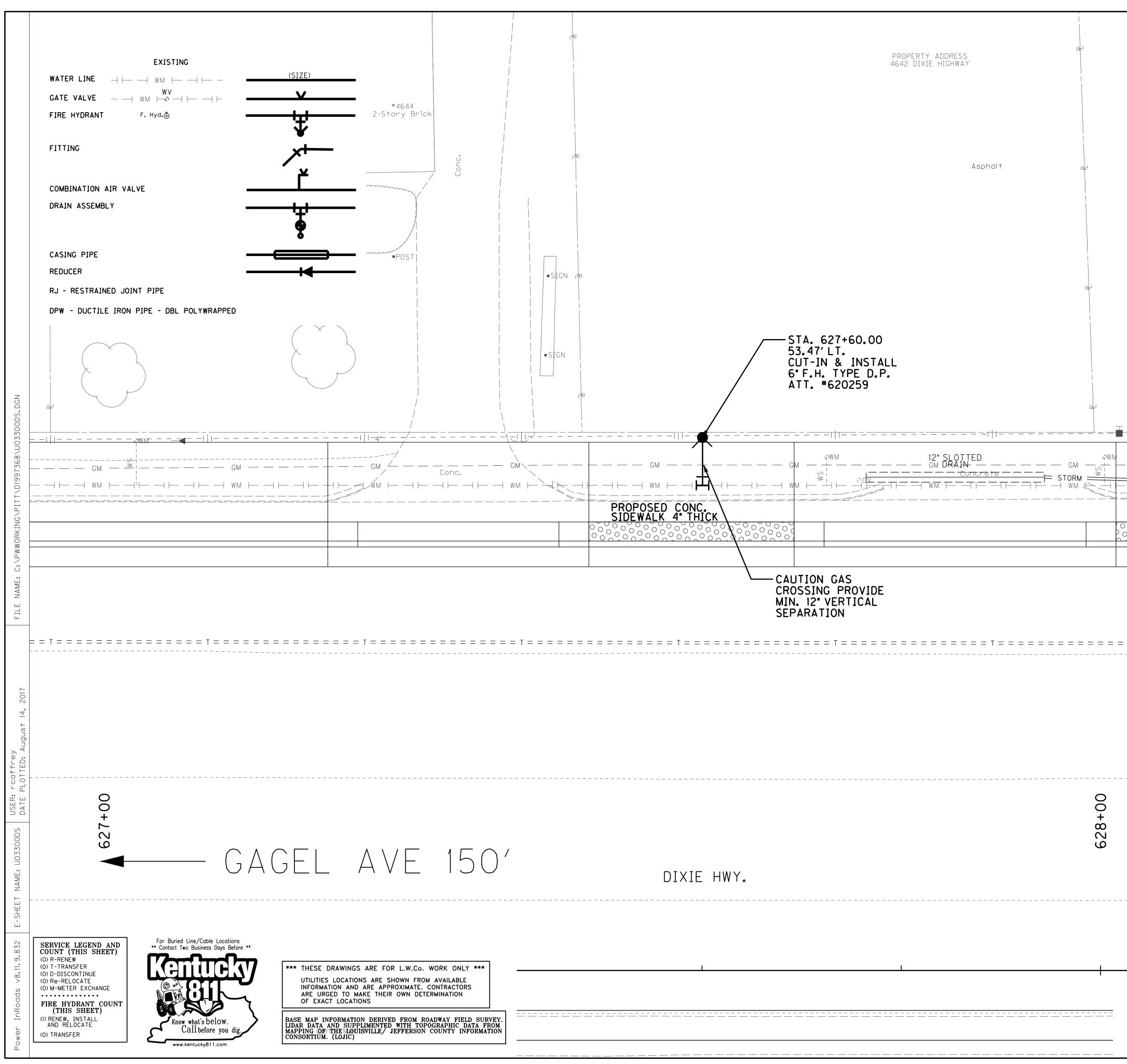




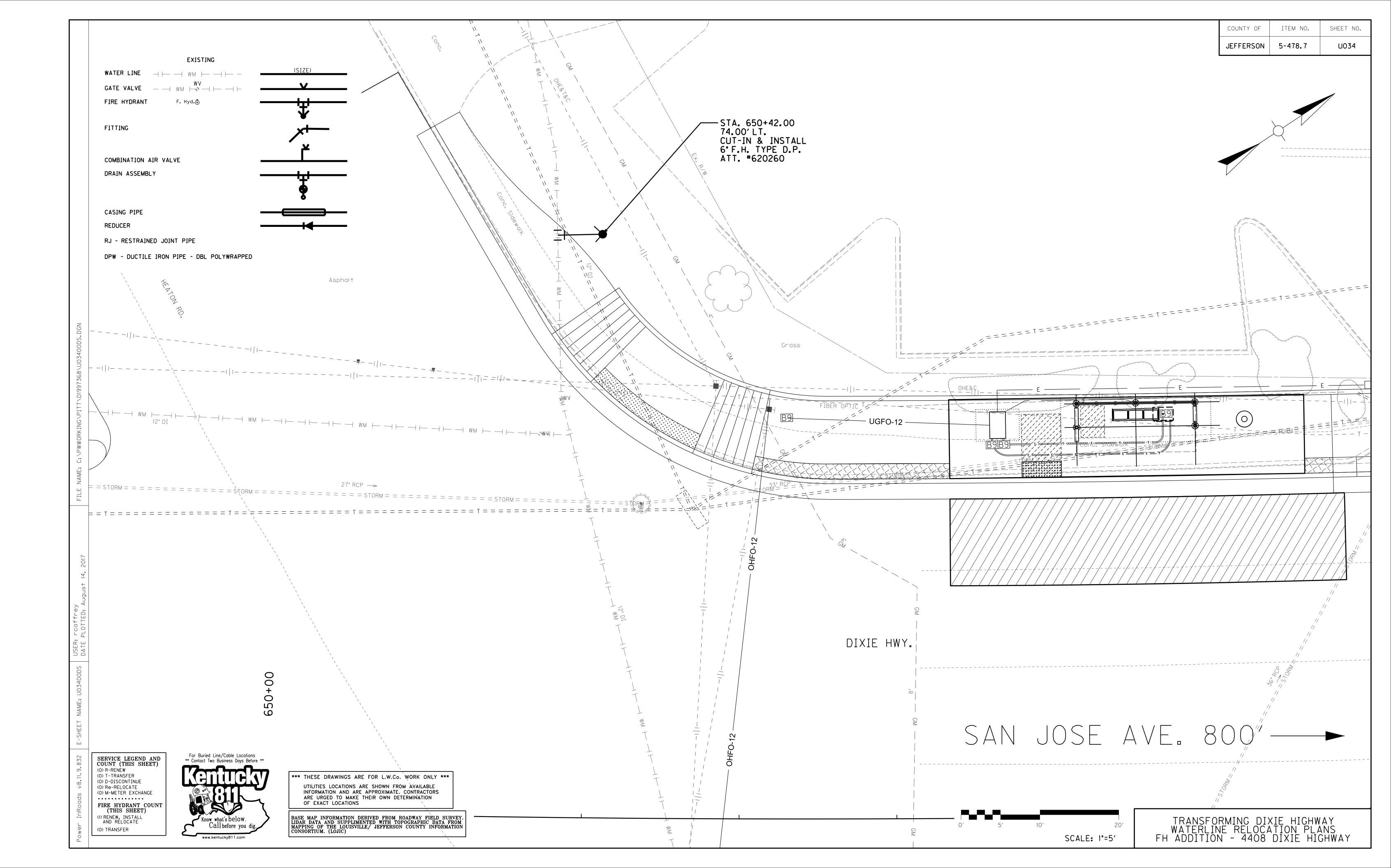




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	COUNTY OF	ITEM NO.	SHEET NO.
	JEFFERSON	5-478.7	U032
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MEYERS LN 850	) ′		
	/		
O' 5' 10' 20' TRANSFOR	RMING DIX	IE HIGHW	AY
O'5'10'20'TRANSFOR WATERLINSCALE: 1"=5'FH ADDITION	- 5219	DIXIE HIG	GHWAY



		COUNTY OF	ITEM NO.	SHEET NO.
	-	JEFFERSON	5-478.7	U033
	PROPER 4640 DI	TY ADDRESS XIE HIGHWAY		
				/
		v		
		<u>phe&amp;t&amp;c</u>		
		— €Mncret	e — — — 	— — — GM ⊣ — — ₩M≪3
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000000000000000000000000000000000000000				12 01
= = = T = = = = = = = = = = = = = = = =	= = = = = T	======	= = = = = = = = =	= = = = T = =
Asphalt				
SAN JOSE AVE.	8(	$\neg \cap '$ _		
JAN JUJL AVL.	$\bigcirc$ (			
				N A Y
0' 5' 10' 20' WA SCALE: 1"=5' FH A	TERLINE	RELOCA	KIE HIGHV Ation pl. Dixie hi	ANS GHWAY
SCALE: 1"=5' FH A	DDITĪŌŇ	- 4636	DIXIE HĪ	GHWAY



General Decision Number: KY170100 08/11/2017 KY100 Superseded General Decision Number: KY20160100 State: Kentucky

Construction Type: Highway

Counties: Anderson, Bath, Bourbon, Boyd, Boyle, Bracken, Breckinridge, Bullitt, Carroll, Carter, Clark, Elliott, Fayette, Fleming, Franklin, Gallatin, Grant, Grayson, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Larue, Lewis, Madison, Marion, Mason, Meade, Mercer, Montgomery, Nelson, Nicholas, Oldham, Owen, Robertson, Rowan, Scott, Shelby, Spencer, Trimble, Washington and Woodford Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Number	Publication	Date
	01/06/2017	
	01/13/2017	
	02/03/2017	
	03/10/2017	
	05/19/2017	
	07/14/2017	
	08/04/2017	
	08/11/2017	
	. Number	01/06/2017 01/13/2017 02/03/2017 03/10/2017 05/19/2017 07/14/2017 08/04/2017

BRIN0004-003 06/01/2016

BRECKENRIDGE COUNTY

	Rates	Fringes	
BRICKLAYER	\$ 25.96	11.38	
BRKY0001-005 06/01/2016			

BULLITT, CARROLL, GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, & TRIMBLE

COUNTIES:

	Rates	Fringes
BRICKLAYER	\$ 25.96	11.38
BRKY0002-006 06/01/2016		
BRACKEN, GALLATIN, GRANT, MASON	& ROBERTSON (	COUNTIES:
	Rates	Fringes
BRICKLAYER	\$ 27.01	11.38
BRKY0007-004 06/01/2016		
BOYD, CARTER, ELLIOT, FLEMING,	GREENUP, LEWIS	S & ROWAN COUNTIES:
	Rates	Fringes
BRICKLAYER	\$ 32.20	18.78
BRKY0017-004 06/01/2016		
ANDERSON, BATH, BOURBON, BOYLE, HARRISON, JESSAMINE, MADISON, M DWEN, SCOTT, WASHINGTON & WOODF	ERCER, MONTGON	
	Rates	Fringes
BRICKLAYER	\$ 25.64	11.38
CARP0064-001 05/01/2015		
	Rates	Fringes
CARPENTER Diver PILEDRIVERMAN	\$ 41.63	16.06 16.06 16.06
ELEC0212-008 06/05/2017		
BRACKEN, GALLATIN and GRANT COU	INTIES	
	Rates	Fringes
ELECTRICIAN	\$ 27.90	17.56
ELEC0212-014 12/01/2014		
BRACKEN, GALLATIN & GRANT COUNI	IES:	
	Rates	Fringes
Sound & Communication Iechnician	\$ 22.75	10.08
ELEC0317-012 06/01/2016		

#### BOYD, CARTER, ELLIOT & ROWAN COUNTIES:

	Rates	Fringes	
ELECTRICIAN (Wiremen)			
Cable Splicer	\$ 32.68	18.13	
Electrician	\$ 33.31	22.98	
ELEC0369-007 06/01/2016			-

ANDERSON, BATH, BOURBON, BOYLE, BRECKINRIDGE, BULLITT, CARROLL, CLARK, FAYETTE, FRAONKLIN, GRAYSON, HARDIN, HARRISON, HENRY, JEFFERSON, JESSAMINE, LARUE, MADISON, MARION, MEADE, MERCER, MONTGOMERY, NELSON, NICHOLAS, OLDHAM, OWEN, ROBERTSON, SCOTT, SHELBY, SPENCER, TRIMBLE, WASHINGTON, & WOODFORD COUNTIES:

	Rates	Fringes
ELECTRICIAN	\$ 30.56	16.10
ELEC0575-002 05/29/2017		
FLEMING, GREENUP, LEWIS & MASON	COUNTIES:	
	Rates	Fringes
ELECTRICIAN	\$ 32.45	15.38
* ENGI0181-018 07/01/2017		
	Rates	Fringes

POWER EQUIPMENT OPERATOR		
GROUP 1\$	31.95	15.15
GROUP 2\$	29.09	15.15
GROUP 3\$	29.54	15.15
GROUP 4\$	28.77	15.15

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller; Batcher Plant; Bituminous Paver; Bituminous Transfer Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All Scoop; Carry Deck Crane; Central Compressor Plant; Cherry Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over); Concrete Paver; Truck-Mounted Concrete Pump; Core Drill; Crane; Crusher Plant; Derrick; Derrick Boat; Ditching & Trenching Machine; Dragline; Dredge Operator; Dredge Engineer; Elevating Grader & Loaders; Grade-All; Gurries; Heavy Equipment Robotics Operator/Mechanic; High Lift; Hoe-Type Machine; Hoist (Two or More Drums); Hoisting Engine (Two or More Drums); Horizontal Directional Drill Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau; Locomotive; Mechanic; Mechanically Operated Laser Screed; Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete; Push Dozer; Rock Spreader, attached to equipment; Rotary Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier;

Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Conrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points; & Whirley Oiler

GROUP 3 - All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling leads equals or exceeds 150 ft. - \$1.00 over Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10%

ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0044-009 06/01/2017

BRACKEN, GALLATIN, GRANT, HARRISON, ROBERTSON, BOURBON (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); CARROLL (Eastern third, including the Township of Ghent); FLEMING (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); MASON (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington); NICHOLAS (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills);

OWEN (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley); SCOTT (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall)

	Rates	Fringes	
IRONWORKER			
Fence Erector	\$ 23.76	19.15	
Structural	\$ 27.60	20.10	

* IRON0070-006 06/01/2017

ANDERSON, BOYLE, BRECKINRIDGE, BULLITT, FAYETTE, FRANKLIN, GRAYSON, HARDIN, HENRY, JEFFERSON, JESSAMINE, LARUE, MADISON, MARION, MEADE, MERCER, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE, WASHINGTON & WOODFORD BOURBON (Southern two-thirds, including Townships of Austerlity, Centerville, Clintonville, Elizabeth, Hutchison, Littlerock, North Middletown & Paris); CARROLL (Western two-thirds, including Townships of Carrollton, Easterday, English, Locust, Louis, Prestonville & Worthville); CLARK (Western two-thirds, including Townships of Becknerville, Flanagan, Ford, Pine Grove, Winchester & Wyandotte); OWEN (Eastern eighth, including Townships of Glenmary, Gratz, Monterey, Perry Park & Tacketts Mill); SCOTT (Southern third, including Townships of Georgetown, Great Crossing, Newtown, Stampling Ground & Woodlake);

	Rates	Fringes	
IRONWORKER	\$ 28.30	21.85	
IRON0372-006 07/15/2016			

BRACKEN, GALLATIN, GRANT, HARRISON and ROBERTSON BOURBON (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); CARROLL (Eastern third, including the Township of Ghent); FLEMING (Western part, Excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); MASON (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington); NICHOLAS (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills); OWEN (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita &

Wheatley); SCOTT (Northern two-thirds, including Townships of Biddle, Davis,Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall) COUNTIES

Rates Fringes

IRONWORKER, REINFORCING......\$ 27.15 20.33

IRON0769-007 06/01/2017

BATH, BOYD, CARTER, ELLIOTT, GREENUP, LEWIS, MONTGOMERY & ROWAN CLARK (Eastern third, including townships of Bloomingdale, Hunt, Indian Fields, Kiddville, Loglick, Rightangele & Thomson); FLEMING (Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); MASON (Eastern third, including Townships of Helena, Marshall, Orangeburg, Plumville & Springdale); NICHOLAS (Eastern eighth, including the Township of Moorefield Sprout)

	Rates	Fringes
IRONWORKER ZONE 1 ZONE 2 ZONE 3	.\$ 31.73	23.97 23.97 23.97
ZONE 1 - Up to 10 mile radius 1643 Greenup Ave.	of Union Hall, A	shland, Ky.,
ZONE 2 - 10 to 50 mile radius 1643 Greenup Ave.	of Union Hall, A	shland, Ky.,
ZONE 3 - 50 mile radius & over 1643 Greenup Ave.	of Union Hall, .	Ashland, Ky.,
LABO0189-003 07/01/2016		
BATH, BOURBON, BOYD, BOYLE, BRAC FAYETTE, FLEMING, FRANKLIN, GALL JESSAMINE, LEWIS, MADISON, MASON OWEN, ROBERTSON, ROWAN, SCOTT, &	ATIN, GRANT, GRE I, MERCER, MONTGO	ENUP, HARRISON, MERY, NICHOLAS,

	I	Rates	Fringes
			2
Laborers:			
GROUP	1\$	23.14	13.29
GROUP	2\$	23.39	13.29
GROUP	3\$	23.44	13.29
GROUP	4\$	24.04	13.29

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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LABO0189-008 07/01/2017

ANDERSON, BULLITT, CARROLL, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES

 Rates
 Fringes

 Laborers:
 GROUP 1......\$ 23.14
 13.29

 GROUP 2......\$ 23.39
 13.29

 GROUP 3......\$ 23.44
 13.29

 GROUP 4.....\$ 24.04
 13.29

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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LABO0189-009 07/01/2014

BRECKINRIDGE & GRAYSON COUNTIES

		Rates	Fringes
Laborers:			
GROUP	1\$	22.66	11.10
GROUP	2\$	22.91	11.10
GROUP	3\$	22.96	11.10
GROUP	4\$	23.56	11.10

#### LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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#### PAIN0012-005 06/11/2005

BATH, BOURBON, BOYLE, CLARK, FAYETTE, FLEMING, FRANKLIN, HARRISON, JESSAMINE, MADISON, MERCER, MONTGOMERY, NICHOLAS, ROBERTSON, SCOTT & WOODFORD COUNTIES:

	Rates	Fringes
PAINTER		
Bridge/Equipment Tender		
and/or Containment Builder		5.90
Brush & Roller Elevated Tanks;	\$ 21.30	5.90
Steeplejack Work; Bridge &		
Lead Abatement Sandblasting &	\$ 22.30	5.90
Waterblasting	\$ 22.05	5.90
Spray	\$ 21.80	5.90
PAIN0012-017 05/01/2015		
BRACKEN, GALLATIN, GRANT, MASON &	OWEN COUNTIES:	
	Rates	Fringes
PAINTER (Heavy & Highway Bridges - Guardrails - Lightpoles - Striping) Bridge Equipment Tender		

and Containment Builder.....\$ 20.73 9.06

Brush & Roller.....\$ 23.39 9.06 Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement.....\$ 24.39 9.06 Sandblasting & Water Blasting.....\$ 24.14 9.06 Spray.....\$ 23.89 9.06 PAIN0118-004 06/01/2014 ANDERSON, BRECKINRIDGE, BULLITT, CARROLL, GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES: Rates Fringes PAINTER Brush & Roller.....\$ 18.50 11.97 Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning.....\$ 19.50 11.97 _____ PAIN1072-003 12/01/2016 BOYD, CARTER, ELLIOTT, GREENUP, LEWIS and ROWAN COUNTIES Rates Fringes Painters: Bridges; Locks; Dams; Tension Towers & Energized Substations.....\$ 32.98 16.15 Power Generating Facilities.\$ 29.74 16.15 _____ PLUM0248-003 06/01/2017 BOYD, CARTER, ELLIOTT, GREENUP, LEWIS & ROWAN COUNTIES: Rates Fringes Plumber and Steamfitter.....\$ 35.00 25.12 _____ PLUM0392-007 06/01/2014 BRACKEN, CARROLL (Eastern Half), GALLATIN, GRANT, MASON, OWEN & ROBERTSON COUNTIES: Rates Fringes Plumbers and Pipefitters.....\$ 29.80 17.79 _____ PLUM0502-003 08/01/2016 BRECKINRIDGE, BULLITT, CARROLL (Western Half), FRANKLIN (Western three-fourths), GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES

	Rates	Fringes
PLUMBER	.\$ 32.00	20.13
SUKY2010-160 10/08/2001		
	Rates	Fringes
Truck drivers: GROUP 1 GROUP 2 GROUP 3 GROUP 4	.\$ 16.68 .\$ 16.86	7.34 7.34 7.34 7.34
TRUCK DRIVER CLASSIFICATIONS		
GROUP 1 - Mobile Batch Truck Te	nder	
GROUP 2 - Greaser; Tire Changer	; & Mechanic Ten	der
GROUP 3 - Single Axle Dump; Fl Trailer when used to pull buil Tandem Axle Dump; Distributor;	ding materials a	nd equipment;
GROUP 4 - Euclid & Other Heavy Lowboy; Articulator Cat; 5-Axl when used in transporting mate when used to transport buildin Breaker	e Vehicle; Winch rials; Ross Carr	& A-Frame ier; Forklift
WELDERS - Receive rate prescribe operation to which welding is in		orming
Note: Executive Order (EO) 13706 for Federal Contractors applies Davis-Bacon Act for which the co solicitation was issued) on or a contract is covered by the EO, t employees with 1 hour of paid si they work, up to 56 hours of pai Employees must be permitted to u own illness, injury or other hea preventive care; to assist a fam like family to the employee) who health-related needs, including resulting from, or to assist a f like family to the employee) who violence, sexual assault, or sta on contractor requirements and w is available at www.dol.gov/whd/	to all contracts ntract is awarde fter January 1, he contractor mu ck leave for eve d sick leave eac se paid sick lea lth-related need ily member (or p is ill, injured preventive care; amily member (or is a victim of, lking. Addition orker protection	subject to the d (and any 2017. If this st provide by 30 hours th year. twe for their derson who is the or has other or for reasons the person who is domestic al information

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)). _____

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

> Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

#### TO: EMPLOYERS/EMPLOYEES

#### PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

#### **OVERTIME:**

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Director Division of Construction Procurement Frankfort, Kentucky 40622 502-564-3500

#### **PROPOSAL BID ITEMS**

Revised Addendum #1: 8-15-17 Contract ID: 171024 Page 502 of 507

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Report Date 8/15/17

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	3,364.00	TON		\$	
0020	00214		CL3 ASPH BASE 1.00D PG64-22	1,322.00	TON		\$	
0030	02084		JPC PAVEMENT-8 IN (REVISED: 8-15-17)	3,333.00	SQYD		\$	
0040	02101		CEM CONC ENT PAVEMENT-8 IN	13,789.00	SQYD		\$	
0050	02677		ASPHALT PAVE MILLING & TEXTURING	8,958.00	TON		\$	
0060	22906ES403		CL3 ASPH SURF 0.38A PG64-22	11,201.00	TON		\$	

## Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP AMOUNT
0070	00071		CRUSHED AGGREGATE SIZE NO 57	2,354.00	TON		\$
0800	01547		DROP BOX INLET TYPE 12 (FRAME AND GRATE ONLY)	20.00	LF		\$
0090	01719		ADJUST INLET	2.00	EACH		\$
0100	01792		ADJUST MANHOLE	109.00	EACH		\$
0110	01811		STANDARD CURB AND GUTTER MOD	23,552.00	LF		\$
0120	01876		STANDARD HEADER CURB MOD	15,783.00	LF		\$
0130	01921		STANDARD BARRIER MEDIAN TYPE 4	2,662.00	SQYD		\$
0140	02014		BARRICADE-TYPE III	20.00	EACH		\$
0150	02015		CEMENT CONCRETE ISLAND	466.00	SQYD		\$
0160	02200		ROADWAY EXCAVATION	10,956.00	CUYD		\$
0170	02242		WATER	1,998.00	MGAL		\$
0180	02545		CLEARING AND GRUBBING (APPROXIMATLEY 53.52 ACRES)	1.00	LS		\$
0190	02562		TEMPORARY SIGNS	2,400.00	SQFT		\$
)200	02611		HANDRAIL-TYPE A-1	52.00	LF		\$
)210	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$
)220	02653		LANE CLOSURE	12.00	EACH		\$
0230	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$
0240	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$
)250	02701		TEMP SILT FENCE	5,273.00	LF		\$
)260	02705		SILT TRAP TYPE C	278.00	EACH		\$
)270	02708		CLEAN SILT TRAP TYPE C	834.00	EACH		\$
)280	02720		SIDEWALK-4 IN CONCRETE	18,542.00	SQYD		\$
)290	02726		STAKING	1.00	LS		\$
0300	02775		ARROW PANEL	4.00	EACH		\$
0310	04793		CONDUIT-1 1/4 IN	300.00	LF		\$
0320	04795		CONDUIT-2 IN	125.00	LF		\$
0330	04820		TRENCHING AND BACKFILLING	400.00	LF		\$
)340	04829		PIEZOELECTRIC SENSOR	16.00	EACH		\$
)350	04830		LOOP WIRE	7,100.00	LF		\$
0360	04895		LOOP SAW SLOT AND FILL	1,800.00	LF		\$
)370	05952		TEMP MULCH	52,740.00	SQYD		\$
)380	05953		TEMP SEEDING AND PROTECTION	39,555.00	SQYD		\$
)390	05990		SODDING	11,087.00	SQYD		\$
)400	05997		TOPSOIL FURNISHED AND PLACED	3,902.00	CUYD		\$

171024

#### **PROPOSAL BID ITEMS**

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Report Date 8/15/17

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		Report Date 8/15/17					
LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	06510	PAVE STRIPING-TEMP PAINT-4 IN	100,000.00	LF		\$	
0420	06514	PAVE STRIPING-PERM PAINT-4 IN	16,755.00	LF		\$	
0430	06515	PAVE STRIPING-PERM PAINT-6 IN	47,807.00	LF		\$	
0440	06530	PAVE STRIPING REMOVAL-4 IN	60,000.00	LF		\$	
0450	06531	PAVE STRIPING REMOVAL-6 IN	100,000.00	LF		\$	
0460	06550	PAVE STRIPING-TEMP REM TAPE-W	5,000.00	LF		\$	
0470	06551	PAVE STRIPING-TEMP REM TAPE-Y	5,000.00	LF		\$	
0480	06565	PAVE MARKING-THERMO X-WALK-6 IN	10,150.00	LF		\$	
0490	06568	PAVE MARKING-THERMO STOP BAR-24IN (REVISED: 8-15-17)	1,562.00	LF		\$	
0500	06572	PAVE MARKING-DOTTED LANE EXTEN	195.00	LF		\$	
0510	06573	PAVE MARKING-THERMO STR ARROW	7.00	EACH		\$	
0520	06574	PAVE MARKING-THERMO CURV ARROW	143.00	EACH		\$	
0530	06575	PAVE MARKING-THERMO COMB ARROW	20.00	EACH		\$	
0540	06601NC	PAVE MARKING-PAINT WORDS	10.00	EACH		\$	
0550	10020NS	FUEL ADJUSTMENT	26,285.00	DOLL	\$1.00	\$	\$26,285.00
0560	10030NS	ASPHALT ADJUSTMENT	48,964.00	DOLL	\$1.00	\$	\$48,964.00
0570	20000ES724	TREE	6.00	EACH		\$	
0580	20000ES724	TREE (IN TREE GRATE)	30.00	EACH		\$	
0590	20000ES724	TREE (ORNAMENTAL)	7.00	EACH		\$	
0600	20001ES724	SHRUB (LARGE SHRUBS MORE THAN 3' TALL)	33.00	EACH		\$	
0610	20001ES724	SHRUB (SMALL SHRUBS LESS THAN 3' TALL)		EACH		\$	
0620	20094ES835	TEMP RELOCATION OF SIGNAL HEAD		EACH		\$	
0630	20359NN	GALVANIZED STEEL CABINET		EACH		\$	
0640	20360ES818	WOOD POST	6.00	EACH		\$	
0650	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	5.00	EACH		\$	
0660	21341ND	BOLLARDS	5.00	EACH		\$	
		PAVE MARKING-THERMO YIELD BAR-36 IN					
0665	22520EN	(ADDED: 8-15-17)	42.00			\$	
0670	22665EN			SQYD		\$ •	
0680	23139EN		175,000.00			\$	
0690	23158ES505		2,205.00	SQFT		\$	
0700	23214EC	BRICK-PAVERS FOR ROADWAY (VERGE)		SQYD		\$	
0710	23613EC	PERENNIALS	2,411.00			\$	
0720	24489EC	INLAID PAVEMENT MARKER	1,830.00			\$	
0730	24558ED	ORNAMENTAL GRASS	1,361.00			\$	
0740	24911ED	STRUCTURAL SOIL VAULT SYSTEM		SQYD		\$	
0750	24912ES724	GROUNDCOVER	1,462.00			\$	
0760	24917ED	SELECT BORROW MATERIAL	3,753.00	CUYD		\$	
0770	24918ES601	CONCRETE-CLASS A (VERGE & MEDIAN)	5,849.00	SQYD		\$	
0780	24935EC	CONCRETE PAINT (MEDIAN)	1,233.00	SQYD		\$	

#### **PROPOSAL BID ITEMS**

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#### Report Date 8/15/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0790	00520		STORM SEWER PIPE-12 IN	1,975.00	LF		\$	
0800	00521		STORM SEWER PIPE-15 IN	559.00	LF		\$	
0810	00522		STORM SEWER PIPE-18 IN	12.00	LF		\$	
0820	00524		STORM SEWER PIPE-24 IN	4.00	LF		\$	
0830	00525		STORM SEWER PIPE-27 IN	8.00	LF		\$	
0840	00526		STORM SEWER PIPE-30 IN	11.00	LF		\$	
0850	00527		STORM SEWER PIPE-33 IN	8.00	LF		\$	
0860	00528		STORM SEWER PIPE-36 IN	12.00	LF		\$	
0870	00980		SLOTTED DRAIN PIPE-12 IN	1,429.00	LF		\$	
0880	01456		CURB BOX INLET TYPE A	105.00	EACH		\$	
0890	01459		CURB BOX INLET TYPE A MOD	45.00	EACH		\$	
0900	01480		CURB BOX INLET TYPE B	9.00	EACH		\$	
0910	01487		CURB BOX INLET TYPE F	8.00	EACH		\$	
0920	01544		DROP BOX INLET TYPE 11	3.00	EACH		\$	
0930	01545		DROP BOX INLET TYPE 11 MOD	1.00	EACH		\$	
0940	01634		CAP CURB BOX INLET	43.00	EACH		\$	
0950	01650		JUNCTION BOX	7.00	EACH		\$	
0960	08100		CONCRETE-CLASS A	36.10	CUYD		\$	
0970	20569ES710		DROP BOX INLET TY 13G(MOD)	3.00	EACH		\$	
0980	21546ED		CURB BOX INLET TYPE B MODIFIED	4.00	EACH		\$	
0990	23643EC		CURB BOX INLET TY F-MOD	8.00	EACH		\$	

## Section: 0004 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1000	04723		BRACKET 10 FT	52.00	EACH		\$	
1010	04780		FUSED CONNECTOR KIT	104.00	EACH		\$	
1020	04792		CONDUIT-1 IN	534.00	LF		\$	
1030	04794		CONDUIT-1 1/2 IN	40.00	LF		\$	
1040	04795		CONDUIT-2 IN (REVISED: 8-15-17)	1,345.00	LF		\$	
1050	04811		ELECTRICAL JUNCTION BOX TYPE B (REVISED: 8-15-17)	57.00	EACH		\$	
1060	04820		TRENCHING AND BACKFILLING (REVISED: 8-15-17)	1,742.00	LF		\$	
1070	04830		LOOP WIRE (REVISED: 8-15-17)	25,525.00	LF		\$	
1080	04832		WIRE-NO. 12 (REVISED: 8-15-17)	22,449.00	LF		\$	
1090	04844		CABLE-NO. 14/5C	28,657.00	LF		\$	
1100	04845		CABLE-NO. 14/7C	1,650.00	LF		\$	
1110	04850		CABLE-NO. 14/1 PAIR	13,919.00	LF		\$	
1120	04885		MESSENGER-10800 LB	3,870.00	LF		\$	
1130	04895		LOOP SAW SLOT AND FILL (REVISED: 8-15-17)	9,799.00	LF		\$	
1140	04899		ELECTRICAL SERVICE	1.00	EACH		\$	
1150	04932		INSTALL STEEL STRAIN POLE	33.00	EACH		\$	
1160	04950		REMOVE SIGNAL EQUIPMENT	94.00	EACH		\$	
1170	06472		INSTALL SPAN MOUNTED SIGN (REVISED: 8-15-17)	34.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1180	20093NS835		INSTALL PEDESTRIAN HEAD-LED (REVISED: 8-15-17)	84.00	EACH		\$	
1190	20188NS835		INSTALL LED SIGNAL-3 SECTION	116.00	EACH		\$	
1200	20188NS835		INSTALL LED SIGNAL-3 SECTION (TRANSIT)	11.00	EACH		\$	
1210	20189NS835		INSTALL LED SIGNAL-5 SECTION	11.00	EACH		\$	
1220	20266ES835		INSTALL LED SIGNAL- 4 SECTION	8.00	EACH		\$	
1230	21743NN		INSTALL PEDESTRIAN DETECTOR (REVISED: 8-15-17)	84.00	EACH		\$	
1235	22939ND		INSTALL LUMINAIRE POLE (ADDED: 8-15-17)	2.00	EACH		\$	
1240	23157EN		TRAFFIC SIGNAL POLE BASE	145.00	CUYD		\$	
1250	23206EC		INSTALL CONTROLLER CABINET	2.00	EACH		\$	
1260	23222EC		INSTALL SIGNAL PEDESTAL (REVISED: 8-15-17)	26.00	EACH		\$	
1270	24589ED		LED LUMINAIRE	52.00	EACH		\$	
1280	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,881.00	LF		\$	
1290	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC (W/ 1C ATC MODULE)	35.00	EACH		\$	
1300	24916ED		SYSTEM INTEGRATION	1.00	LS		\$	
1310	24919EC		MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	34.00	EACH		\$	
1320	24937EC		INSTALL EXTERNAL UPS SYSTEM CABINET	2.00	EACH		\$	
1325	24941EC		LED TRANSIT SIGNAL MODULE (ADDED: 8-15-17)	33.00	EACH		\$	

### Section: 0005 - INTELLIGENT TRANSPORTATION SYSTEMS

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC FP AMOUNT
1330	01642	JUNCTION BOX-18 IN	208.00	EACH	\$
1340	01650	JUNCTION BOX	29.00	EACH	\$
1350	04792	CONDUIT-1 IN	4,645.00	LF	\$
1360	04795	CONDUIT-2 IN	7,392.00	LF	\$
1370	04797	CONDUIT-3 IN (REVISED: 8-15-17)	3,711.00	LF	\$
1380	04820	TRENCHING AND BACKFILLING	4,965.00	LF	\$
1390	04888	MESSENGER-4500 LB	2,105.00	LF	\$
1400	04899	ELECTRICAL SERVICE	36.00	EACH	\$
1410	21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	33,775.00	LF	\$
1420	21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	756.00	LF	\$
1430	21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	71.00	LF	\$
1440	21543EN	BORE AND JACK CONDUIT (REVISED: 8-15-17)	5,984.00	LF	\$
1450	24543EC	CLEAN (EXISTING CONDUIT)	5,800.00	LF	\$
1460	24921EC	CONDUIT RISER-2 IN	73.00	EACH	\$
1470	24922EC	FIBER OPTIC SPLICE ENCLOSURE	42.00	EACH	\$
1480	24923EC	CABINET FIBER TERMINATION PANEL	37.00	EACH	\$
1490	24924EC	AIR LINK COMMUNICATION	2.00	EACH	\$

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1500	24925EC		LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	37.00	EACH		\$	
1510	24926EC		INTERIOR FIBER OPTIC PATCH PANEL	2.00	EACH		\$	
1520	24927EC		LAYER 2 ETHERNET SWITCH-RACK MOUNT	3.00	EACH		\$	
1530	24928EC		FIREWALL UNIT-RACK MOUNT	3.00	EACH		\$	
1540	24929EC		MICROTRENCHING	20,177.00	LF		\$	
1550	24930EC		MICRO-DUCT PATHWAY-2 CELL	17,108.00	LF		\$	
1560	24931EC		MICRO-DUCT PATHWAY-3 CELL	12,768.00	LF		\$	
1570	24932EC		CONDUIT REPAIR	100.00	LF		\$	
1580	24933EC		JUNCTION BOX REPAIRED	5.00	EACH		\$	

## Section: 0006 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP AMOUNT
1590	14021		W FIRE HYDRANT REMOVE	6.00	EACH		\$
1600	14036		W PIPE DUCTILE IRON 06 INCH	12.00	LF		\$
1610	14037		W PIPE DUCTILE IRON 08 INCH	15.00	LF		\$
1620	14039		W PIPE DUCTILE IRON 12 INCH	1,522.00	LF		\$
1630	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	1,350.00	LF		\$
1640	14076		W REMOVE TRANSITE (AC) PIPE	100.00	LF		\$
1650	14095		W TIE-IN 08 INCH	1.00	EACH		\$
1660	14097		W TIE-IN 12 INCH	38.00	EACH		\$
1670	14105		W VALVE 06 INCH	1.00	EACH		\$
1680	14106		W VALVE 08 INCH	1.00	EACH	1	\$
1690	14108		W VALVE 12 INCH	9.00	EACH	1	\$
1700	14156		W METER REMOVE	5.00	EACH	1	\$
1710	14510		W FIRE HYDRANT ASSEMBLY INST (REVISED: 8-15-17)	15.00	EACH	:	\$
1720	14514		W METER 1 INCH INST	2.00	EACH	:	\$
1730	14516		W METER 2 INCH INST	1.00	EACH	:	\$
1740	14517		W METER 3/4 INCH INST	4.00	EACH		\$
1750	14518		W METER VAULT INST	5.00	EACH		\$
1760	14634		W SERV COPPER SHORT SIDE 3/4 IN INST (REVISED: 8-15-17)	17.00	EACH		\$
1770	14631		W SERV COPPER SHORT SIDE 1 IN INST	8.00	EACH		\$
1780	14632		W SERV COPPER SHORT SIDE 1-1/2 IN INST	2.00	EACH		\$
1790	14633		W SERV COPPER SHORT SIDE 2 IN INST	1.00	EACH		\$

## Section: 0007 - MISCELLANEOUS - BUS STATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1800	00001		DGA BASE	1,091.00	TON		\$	
1810	01810		STANDARD CURB AND GUTTER	401.00	LF		\$	
1820	01811		STANDARD CURB AND GUTTER MOD	43.00	LF		\$	
1830	01875		STANDARD HEADER CURB	1,951.00	LF		\$	
1840	01877		SPECIAL HEADER CURB	1,702.00	LF		\$	
1850	02101		CEM CONC ENT PAVEMENT-8 IN	139.00	SQYD		\$	
1860	02653		LANE CLOSURE	25.00	EACH		\$	

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INE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
870	02677	<b>ASPHALT PAVE MILLING &amp; TEXTURING</b>	575.00	TON		\$	
880	02720	SIDEWALK-4 IN CONCRETE	1,481.00	SQYD		\$	
890	05990	SODDING	98.00	SQYD		\$	
900	06407	SBM ALUM SHEET SIGNS .125 IN	20.00	SQFT		\$	
910	06514	<b>PAVE STRIPING-PERM PAINT-4 IN</b>	673.00	LF		\$	
920	06515	PAVE STRIPING-PERM PAINT-6 IN	3,621.00	LF		\$	
930	06568	PAVE MARKING-THERMO STOP BAR-24IN	40.00	LF		\$	
940	06574	PAVE MARKING-THERMO CURV ARROW	3.00	EACH		\$	
950	06601NC	PAVE MARKING-PAINT WORDS	8.00	EACH		\$	
960	20000ES724	TREE	16.00	EACH		\$	
970	20000ES724	TREE IN TREE GRATE	42.00	EACH		\$	
980	20194ED	<b>REMOVE &amp; RESET TRAFFIC SIGN</b>	10.00	EACH		\$	
990	21373ND	REMOVE SIGN	3.00	EACH		\$	
000	22415EN	CONCRETE-CLASS A FOR PAD (BUS PAD-10 IN)	1,457.00	SQYD		\$	
010	22415EN	CONCRETE-CLASS A FOR PAD (BUS PAD-6 IN)	1,743.00	SQYD		\$	
020	22415EN	CONCRETE-CLASS A FOR PAD (SHELTER PAD-4 IN) CONCRETE-CLASS A FOR PAD	1,104.00	SQYD		\$	
030	22415EN	(SHELTER PAD-8 IN)	471.00	SQYD		\$	
040	23158ES505	DETECTABLE WARNINGS	871.00	SQFT		\$	
050	23214EC	BRICK-PAVERS FOR ROADWAY (VERGE)		SQYD		\$	
060	23403EC	BUS SHELTER (TYPE 1)	5.00	EACH		\$	
070	23403EC	BUS SHELTER (TYPE 2)	14.00	EACH		\$	
080	23403EC	BUS SHELTER (TYPE 3)	12.00	EACH		\$	
090	23404EC	BENCH	48.00	EACH		\$	
100	23405EC	TRASH RECEPTACLE	37.00	EACH		\$	
110	23613EC	PERENNIALS	157.00	EACH		\$	
120	24558ED	ORNAMENTAL GRASS RELOCATE	39.00	EACH		\$	
130	24605ED	(LIGHT POLE)	1.00	EACH		\$	
140	24731EC	REMOVE AND RESET (MAILBOX)	2.00	EACH		\$	
150	24731EC	REMOVE AND RESET (SPRINKLER HEAD)	1.00	EACH		\$	
160	24894EC	REMOVE (BUS BENCH)	23.00	EACH		\$	
170	24894EC	REMOVE (BUS SHELTER)	8.00	EACH		\$	
180	24894EC	REMOVE (BUS TRASH CAN)	17.00	EACH		\$	
190	24894EC	REMOVE (PARKING METER)	2.00	EACH		\$	
200	24034E0 24911ED	STRUCTURAL SOIL VAULT SYSTEM		SQYD		Ψ \$	
210	24913ED	PYLON		EACH		Ψ \$	
220	24914ED	MODIFIED PYLON		EACH		\$	
230	24918ES601	CONCRETE-CLASS A (VERGE & MEDIAN)	347.00	SQYD		\$	

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## Section: 0008 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2240	02568	MOBILIZATION	1.00	LS		\$	
2250	02569	DEMOBILIZATION	1.00	LS		\$	