



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

Matthew G. Bevin
Governor

Greg Thomas
Secretary

August 23, 2017

CALL NO. 100
CONTRACT ID NO. 171024
ADDENDUM # 3

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

- (1) Revised - Plans
- (2) Revised - Bid Items - Pages 502-507a of 507
- (3) Added - Notes - Pages 1-2 of 2

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,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

PROJECT GENERAL SUMMARY

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

ITEM	DESCRIPTION	UNIT	ROADWAY	BUS STATION	ITS	TRAFFIC	UTILITY - WATER									PROJECT TOTAL
04792	CONDUIT-1 IN	LF			4645	534										5179
04795	CONDUIT-2 IN	LF	125		7392	1345										8862
04797	CONDUIT-3 IN	LF			3711											3711
04820	TRENCHING AND BACKFILLING	LF	400		4965	1742										7107
04888	MESSENGER-4500 LB	LF			2105											2105
04899	ELECTRICAL SERVICE	EACH			36	1										37
21543EN	BORE AND JACK CONDUIT	LF			5984											5984
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF			5800											5800
01650	JUNCTION BOX (CONCRETE 32")	EACH			29											29
2492IEC	CONDUIT RISER-2 IN	EACH			73											73
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF			17590											17590
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756											756
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF			33775											33775
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			42											42
24923EC	CABINET FIBER TERMINATION PANEL	EACH			37											37
24924EC	AIR LINK COMMUNICATION	EACH			2											2
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			37											37
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			2											2
24927EC	LAYER 2 ETHERNET SWITCH - RACK MOUNT	EACH			3											3
24928EC	FIREWALL UNIT - RACK MOUNT	EACH			3											3
24929EC	MICROTRENCHING	LF			20177											20177
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF			17108											17108
2493IEC	MICRO-DUCT PATHWAY-3 CELL	LF			12768											12768
24932EC	CONDUIT REPAIR	LF			100											100
24933EC	JUNCTION BOX REPAIRED	EACH			5											5
2490IEC	PVC CONDUIT-2 IN-SCHEDULE 80	LF				1881										1881
04723	BRACKET - 10 FEET	EACH				52										52
04780	FUSED CONNECTOR KIT	EACH				104										104
04794	CONDUIT - 1 1/2 IN	LF				40										40
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH			208	57										265
04830	LOOP WIRE	LF	7100			25525										32625
04832	WIRE-NO. 12	LF				22449										22449
04844	CABLE-NO. 14/5C	LF				28657										28657
04845	CABLE-NO. 14/7C	LF				1650										1650
04850	CABLE-NO. 14/1 PAIR	LF				13919										13919
04885	MESSENGER-10800 LB	LF				3870										3870
04895	LOOP SAW SLOT AND FILL	LF	1800			9799										11599
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH IC ATC MODULE)	EACH				35										35
04932	INSTALL STEEL STRAIN POLE	EACH				33										33
04951	REMOVE SIGNAL EQUIPMENT	LS				1										1
06472	INSTALL SPAN MOUNTED SIGN	EACH				38										38
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH				84										84
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN (TRANSIT)	EACH				11										11
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN	EACH				116										116
20189NS835	INSTALL LED SIGNAL-5 SECTION, 12 IN	EACH				11										11
20266ES835	INSTALL LED SIGNAL-4 SECTION, 12 IN	EACH				8										8
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH				84										84
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD				145										145
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH				2										2
23206EC	INSTALL CONTROLLER CABINET	EACH				6										6
23222EC	INSTALL SIGNAL PEDESTAL	EACH				26										26
24589ED	LED LUMINAIRE	EACH				52										52
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH				32										32
24916ED	SYSTEM INTEGRATION	LS				1										1
2494IEC	LED TRANSIT SIGNAL MODULE	EACH				33										33
22939ND	INSTALL LUMINAIRE POLE	EACH				2										2

NOTES:

- 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.

FILE NAME: G:\PWORKING\PIIT\0200061\PI0000SU.DGN

USER: ppforfen
DATE PLOTTED: August 23, 2017

E-SHEET NAME: PI0000SU

MicroStation v8.11.9.832

GENERAL AND SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	P012

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 DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG
THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

DIVISION 400 - ASPHALT PAVEMENTS

429 WINTER CLOSEDOWN
ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE.

444 ASPHALT PAVEMENT RIDE QUALITY
PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

447 COMPACTION OF ASPHALT MIXTURES
WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

448 COMPACTION OF ASPHALT MIXTURES
WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY
THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

DIVISION 500 - JPC PAVEMENT AND NON-STRUCTURAL CONCRETE CONSTRUCTION

555 JPC PAVEMENT RIDE QUALITY
APPLY JPC PAVEMENT SMOOTHNESS REQUIREMENTS, IN ACCORDANCE WITH SUBSECTION 501.03.19 OF THE STANDARD SPECIFICATIONS, ON THIS PROJECT.

DIVISION 600 - STRUCTURES AND CONCRETE

641 PRECAST REINFORCED CONCRETE BOX SECTIONS
CONTRARY TO STANDARD DRAWING NO. RDI-100, ASSOCIATE HS 25 LOADING WITH TABLE 1-4. MODIFY THE REQUIRED STEEL TO REFLECT THE GREATER LIVE LOADING. SEE THE APPENDICES IN ASTM C789 AND ASTM C850. THE CALCULATIONS FOR THIS GREATER LIVE LOAD MAY CHANGE THE TABLE NO. DEPICTED ON THE DESIGN PLANS.

650 STANDARD DRAWINGS
STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

DIVISION 700 - DRAINAGE, TRAFFIC AND ROADSIDE CONSTRUCTION

730 EXISTING LANDSCAPE MATERIAL
DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY.

DO NOT TO DISTURB ANY PLANTS WITHOUT PRIOR APPROVAL OF THE PROJECT ENGINEER.

THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSSIBLE DEPARTMENT SALVAGE OF ANY PLANTS NEEDING REMOVAL.

SPECIAL NOTES

- UTILITY IMPACT NOTE
- STORM SEWER CONSTRUCTION
- LANDSCAPING
- BRT STATION SIGN PYLONS
- BRT STATION STATION SHELTERS
- ITS
- PLANNING DATA COLLECTION STATIONS
- PROJECT COORDINATION

FLOWABLE FILL
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.

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

CONCRETE REMOVAL
CONCRETE REMOVAL IN THE MEDIAN FOR LANDSCAPING IS INCIDENTAL TO THE EXCAVATION BID ITEM.

BOLLARDS
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.

FILE NAME: C:\PWORKING\N\PITT_020006\N\PO1200SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: PO1200GN

MicroStation v8.11.9.832

TRANSFORMING DIXIE HIGHWAY
GENERAL AND SPECIAL NOTES

SCALE: 1"= 5'

ITS SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1002

ITEM	DESCRIPTION	UNIT	ITS SUB SUMMARY														TOTALS CARRIED TO FINAL GEN. SUM.
			I016	I017	I018	I019	I020	I021	I022	I023	I024	I025	I026	I027	I028	I029	
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH	1	6	14	1	1	13		13	1	17	1	10	3	1	82
04792	CONDUIT-1 IN	LF		77	140			195		160		345		254			1171
04795	CONDUIT-2 IN	LF	22	220	485	18	66	570	16	375	21	490	51	138	204	12	2688
04797	CONDUIT-3 IN	LF															0
04820	TRENCHING AND BACKFILLING	LF	22	220	548	18	66	133	16	140	21	242	51	176	69	12	1734
04899	ELECTRICAL SERVICE	EACH		1	2			2		2		2		2			11
21543EN	BORE AND JACK CONDUIT	LF			131			162		90		81			135		599
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF															0
01650	JUNCTION BOX (CONCRETE 32")	EACH															0
24921EC	CONDUIT RISER-2 IN	EACH	1	3	5	1	1	4	1	5	1	5	1	5	2	1	36
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF	170	640	980	310	200	520	150	920	140	1080	60	870	480	100	6620
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF															0
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24923EC	CABINET FIBER TERMINATION PANEL	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF															0
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF															0
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF															0
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF	12	194	102	111	10	13	7	211	5	113	5	308	5	5	1101

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORKING\ING\PITT_0200061\100200SU.DGN

USER: ppforfen
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100200SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

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

ITEM	DESCRIPTION	UNIT	I030	I031	I032	I033	I034	I035	I036	I037	I038	I039	I040	I041	I042	I043	TOTALS CARRIED TO FINAL GEN. SUM.
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH	1	1	3	13	10	1	12		11						52
04792	CONDUIT-1 IN	LF				223	248		198		158						827
04795	CONDUIT-2 IN	LF	12	12	206	553	283	9	342	3	552	6	9				1987
04797	CONDUIT-3 IN	LF													80		80
04820	TRENCHING AND BACKFILLING	LF	12	12	14	341	40	9	342	3	495	6	9				1283
04899	ELECTRICAL SERVICE	EACH				2	2		2		2						8
21543EN	BORE AND JACK CONDUIT	LF			184	217	50				70				80		601
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF															0
01650	JUNCTION BOX (CONCRETE 32")	EACH											1	1	2	1	5
24921EC	CONDUIT RISER-2 IN	EACH	1	1	1	4	5	1	5	1	5	1					25
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF	180	150	380	980	940	120	1230	140	830	160	130	120		120	5480
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF											1172	1350	1425	1350	5297
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24923EC	CABINET FIBER TERMINATION PANEL	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF											1022	1213	1120	1218	4573
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF												13		18	31
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF											1022	1200	1120	1200	4542
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF	5	5	5	196	185	5	402	5	191	5					1004

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORK\ING\PITT_0200061\100300SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100300SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1004

ITEM	DESCRIPTION	UNIT	I044	I045	I046	I047	I048	I049	I050	I051	I052	I053	I054	I055	I056	I057	TOTALS CARRIED TO FINAL GEN. SUM.
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH		8	6		8		11		1	9			3	6	52
04792	CONDUIT-1 IN	LF		80	66		70		134			202			80	84	716
04795	CONDUIT-2 IN	LF		216	97		153		222		23	132			100	599	1542
04797	CONDUIT-3 IN	LF												64		97	161
04820	TRENCHING AND BACKFILLING	LF		135	82		170		255		23	214			93	239	1211
04899	ELECTRICAL SERVICE	EACH		1	1		1		2			2			1	1	9
21543EN	BORE AND JACK CONDUIT	LF		87	52				40			50		64		291	584
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF														1210	1210
01650	JUNCTION BOX (CONCRETE 32")	EACH	1	2	1	1	1	1	1	1	2	1	1	3	2		18
24921EC	CONDUIT RISER-2 IN	EACH		2			1		2			2				2	9
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF		680	140		390		800		170	700		140	310	570	3900
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1350	1360	1340	1350	1350	1375	1350	1350	1500	1350	1350	1500	1431	1459	19415
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH		1	1		1		1		1	1		1		1	8
24923EC	CABINET FIBER TERMINATION PANEL	EACH		1	1		1		1		1	1		1		1	8
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH		1	1		1		1		1	1		1		1	8
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF	1200	1277	1322	1200	1335	1225	1279	1200	1229	1268	1200	1181	433		15349
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF		300	132		304		457		29	338		45	216		1821
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1210	1190	1200	1200	1225	1200	1200	1200	1200	1200	1136	1131	1309	16801
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF															0

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORK\ING\PITT_0200061\100400SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100400SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

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

ITEM	DESCRIPTION	UNIT	I058	I059	I060	I061	I062	I063	I064	I065	I066	PROJECT ENGINEER APPROVED	SHEET TOTAL	SUB SUMMARY SHEET 1	SUB SUMMARY SHEET 2	SUB SUMMARY SHEET 3	GRAND TOTAL
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH			10		9	3					22	82	52	52	208
04792	CONDUIT-1 IN	LF			148		146	70		22	28		414	2688	827	716	4645
04795	CONDUIT-2 IN	LF			490		414	133		30	108		1175	2688	1987	1542	7392
04797	CONDUIT-3 IN	LF			90	1200	1202	978					3470	0	80	161	3711
04820	TRENCHING AND BACKFILLING	LF			351		160	71		30	125		737	1734	1283	1211	4965
04899	ELECTRICAL SERVICE	EACH			2		2	1		1	2		8	11	8	9	36
21543EN	BORE AND JACK CONDUIT	LF			304	1200	1504	1077	115				4200	599	601	584	5984
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF	1200	1200	712			165	1126	187			4590	0	0	1210	5800
01650	JUNCTION BOX (CONCRETE 32")	EACH			2	1	1	2					6	0	5	18	29
24921EC	CONDUIT RISER-2 IN	EACH			3								3	36	25	9	73
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF			890		360	220		120			1590	6620	5480	3900	17590
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756								756	0	0	0	756
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1200	1200	1124	1275	1277	1368	1157	462			9063	0	5297	19415	33775
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			2		1	2		1			6	15	13	8	42
24923EC	CABINET FIBER TERMINATION PANEL	EACH			1								1	15	13	8	37
24924EC	AIR LINK COMMUNICATION	EACH									2		2	0	0	0	2
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			1								1	15	13	8	37
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			1						1		2	0	0	0	2
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH			2						1		3	0	0	0	3
24928EC	FIREWALL UNIT • RACK MOUNT	EACH			2						1		3	0	0	0	3
24929EC	MICROTRENCHING	LF			17			194					211	0	4573	15349	20133
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF					162	99		15			276	0	31	16801	17108
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1200	824	1200	1202	1143	1226	187			8182	0	4542	0	12724
24932EC	CONDUIT REPAIR	LF										100	100	0	0	0	100
24933EC	JUNCTION BOX REPAIRED	EACH										5	5	0	0	0	5
04888	MESSENGER - 4500 LB	LF											0	1101	1004	0	2105

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORK\ING\PITT\0200061\100500SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100500SU

MicroStation v8.11.9.832

PROJECT GENERAL SUMMARY

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

ITEM	DESCRIPTION	UNIT	ROADWAY	BUS STATION	ITS	TRAFFIC	UTILITY - WATER									PROJECT TOTAL
04792	CONDUIT-1 IN	LF			4645	534										5179
04795	CONDUIT-2 IN	LF	125		7392	1345										8862
04797	CONDUIT-3 IN	LF			3711											3711
04820	TRENCHING AND BACKFILLING	LF	400		4965	1742										7107
04888	MESSENGER-4500 LB	LF			2105											2105
04899	ELECTRICAL SERVICE	EACH			36	1										37
21543EN	BORE AND JACK CONDUIT	LF			5984											5984
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF			5800											5800
01650	JUNCTION BOX (CONCRETE 32")	EACH			29											29
24921EC	CONDUIT RISER-2 IN	EACH			73											73
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF			17590											17590
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756											756
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF			33775											33775
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			42											42
24923EC	CABINET FIBER TERMINATION PANEL	EACH			37											37
24924EC	AIR LINK COMMUNICATION	EACH			2											2
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			37											37
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			2											2
24927EC	LAYER 2 ETHERNET SWITCH - RACK MOUNT	EACH			3											3
24928EC	FIREWALL UNIT - RACK MOUNT	EACH			3											3
24929EC	MICROTRENCHING	LF			20177											20177
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF			17108											17108
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF			12768											12768
24932EC	CONDUIT REPAIR	LF			100											100
24933EC	JUNCTION BOX REPAIRED	EACH			5											5
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF				1881										1881
04723	BRACKET - 10 FEET	EACH				52										52
04780	FUSED CONNECTOR KIT	EACH				104										104
04794	CONDUIT - 1 1/2 IN	LF				40										40
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH			208	57										265
04830	LOOP WIRE	LF	7100			25525										32625
04832	WIRE-NO. 12	LF				22449										22449
04844	CABLE-NO. 14/5C	LF				28657										28657
04845	CABLE-NO. 14/7C	LF				1650										1650
04850	CABLE-NO. 14/1 PAIR	LF				13919										13919
04885	MESSENGER-10800 LB	LF				3870										3870
04895	LOOP SAW SLOT AND FILL	LF	1800			9799										11599
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH IC ATC MODULE)	EACH				35										35
04932	INSTALL STEEL STRAIN POLE	EACH				33										33
04951	REMOVE SIGNAL EQUIPMENT	LS				1										1
06472	INSTALL SPAN MOUNTED SIGN	EACH				38										38
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH				84										84
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN (TRANSIT)	EACH				11										11
20188NS835	INSTALL LED SIGNAL-3 SECTION, 12 IN	EACH				116										116
20189NS835	INSTALL LED SIGNAL-5 SECTION, 12 IN	EACH				11										11
20266ES835	INSTALL LED SIGNAL-4 SECTION, 12 IN	EACH				8										8
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH				84										84
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD				145										145
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH				2										2
23206EC	INSTALL CONTROLLER CABINET	EACH				6										6
23222EC	INSTALL SIGNAL PEDESTAL	EACH				26										26
24589ED	LED LUMINAIRE	EACH				52										52
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH				32										32
24916ED	SYSTEM INTEGRATION	LS				1										1
24941EC	LED TRANSIT SIGNAL MODULE	EACH				33										33
22939ND	INSTALL LUMINAIRE POLE	EACH				2										2

NOTES:

- 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.

FILE NAME: G:\PWORK\ING\PITT_020006\IN\POI000SU.DGN

USER: ppforffen
DATE PLOTTED: August 23, 2017

E-SHEET NAME: POI000SU

MicroStation v8.11.9.832

GENERAL AND SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	P012

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 DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG
THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

DIVISION 400 - ASPHALT PAVEMENTS

429 WINTER CLOSEDOWN
ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE.

444 ASPHALT PAVEMENT RIDE QUALITY
PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

447 COMPACTION OF ASPHALT MIXTURES
WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

448 COMPACTION OF ASPHALT MIXTURES
WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY
THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

DIVISION 500 - JPC PAVEMENT AND NON-STRUCTURAL CONCRETE CONSTRUCTION

555 JPC PAVEMENT RIDE QUALITY
APPLY JPC PAVEMENT SMOOTHNESS REQUIREMENTS, IN ACCORDANCE WITH SUBSECTION 501.03.19 OF THE STANDARD SPECIFICATIONS, ON THIS PROJECT.

DIVISION 600 - STRUCTURES AND CONCRETE

641 PRECAST REINFORCED CONCRETE BOX SECTIONS
CONTRARY TO STANDARD DRAWING NO. RDI-100, ASSOCIATE HS 25 LOADING WITH TABLE 1-4. MODIFY THE REQUIRED STEEL TO REFLECT THE GREATER LIVE LOADING. SEE THE APPENDICES IN ASTM C789 AND ASTM C850. THE CALCULATIONS FOR THIS GREATER LIVE LOAD MAY CHANGE THE TABLE NO. DEPICTED ON THE DESIGN PLANS.

650 STANDARD DRAWINGS
STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

DIVISION 700 - DRAINAGE, TRAFFIC AND ROADSIDE CONSTRUCTION

730 EXISTING LANDSCAPE MATERIAL
DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY.

DO NOT TO DISTURB ANY PLANTS WITHOUT PRIOR APPROVAL OF THE PROJECT ENGINEER.

THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSSIBLE DEPARTMENT SALVAGE OF ANY PLANTS NEEDING REMOVAL.

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
8. PROJECT COORDINATION

FLOWABLE FILL
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.

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

CONCRETE REMOVAL
CONCRETE REMOVAL IN THE MEDIAN FOR LANDSCAPING IS INCIDENTAL TO THE EXCAVATION BID ITEM.

BOLLARDS
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.



FILE NAME: C:\PWORKING\N\PITT_020006\IN\PO1200SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: PO1200GN

MicroStation v8.11.9.832

TRANSFORMING DIXIE HIGHWAY
GENERAL AND SPECIAL NOTES

SCALE: 1"= 5'

ITS GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1001

ITEM	DESCRIPTION	UNIT	DIXIE HIGHWAY															ITS TOTAL
0481I	ELECTRICAL JUNCTION BOX TYPE B	EACH	208															208
04792	CONDUIT-1 IN	LF	4645															4645
04795	CONDUIT-2 IN	LF	7392															7392
04797	CONDUIT-3 IN	LF	3667															3667
04820	TRENCHING AND BACKFILLING	LF	4965															4965
04899	ELECTRICAL SERVICE	EACH	36															36
21543EN	BORE AND JACK CONDUIT	LF	5940															5940
24543ED	CLEAN (EXISTING CONDUIT CLEANED)	LF	5800															5800
01650	JUNCTION BOX (CONCRETE 32")	EACH	29															29
24921EC	CONDUIT RISER-2 IN	EACH	73															73
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF	17590															17590
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF	756															756
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	33775															33775
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH	42															42
24923EC	CABINET FIBER TERMINATION PANEL	EACH	37															37
24924EC	AIR LINK COMMUNICATION	EACH	2															2
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	37															37
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH	2															2
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH	3															3
24928EC	FIREWALL UNIT • RACK MOUNT	EACH	3															3
24929EC	MICROTRENCHING	LF	20177															20177
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF	17108															17108
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	12768															12768
24932EC	CONDUIT REPAIR	LF	100															100
24933EC	JUNCTION BOX REPAIRED	EACH	5															5
04888	MESSENGER - 4500 LB	LF	2105															2105

NOTES:

① ITS SUMMARY TOTALS CARRIED TO PROJECT GENERAL SUMMARY SHEETS

FILE NAME: C:\PWORK\ING\PITT_0200061\100100SU.DGN
 USER: TBALLARD
 DATE PLOTTED: August 23, 2017
 E-SHEET NAME: 100100SU
 MicroStation v8.11.9.832

ITS SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1002

ITEM	DESCRIPTION	UNIT	I016	I017	I018	I019	I020	I021	I022	I023	I024	I025	I026	I027	I028	I029	TOTALS CARRIED TO FINAL GEN. SUM.
0481I	ELECTRICAL JUNCTION BOX TYPE B	EACH	1	6	14	1	1	13		13	1	17	1	10	3	1	82
04792	CONDUIT-1 IN	LF		77	140			195		160		345		254			1171
04795	CONDUIT-2 IN	LF	22	220	485	18	66	570	16	375	21	490	51	138	204	12	2688
04797	CONDUIT-3 IN	LF															0
04820	TRENCHING AND BACKFILLING	LF	22	220	548	18	66	133	16	140	21	242	51	176	69	12	1734
04899	ELECTRICAL SERVICE	EACH		1	2			2		2		2		2			11
21543EN	BORE AND JACK CONDUIT	LF			131			162		90		81			135		599
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF															0
01650	JUNCTION BOX (CONCRETE 32")	EACH															0
24921EC	CONDUIT RISER-2 IN	EACH	1	3	5	1	1	4	1	5	1	5	1	5	2	1	36
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF	170	640	980	310	200	520	150	920	140	1080	60	870	480	100	6620
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF															0
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24923EC	CABINET FIBER TERMINATION PANEL	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	1	1	1	1	1	1	1	1	1	1	1	1	2	1	15
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF															0
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF															0
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF															0
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF	12	194	102	111	10	13	7	211	5	113	5	308	5	5	1101

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORKING\ING\PITT_02000681\100200SU.DGN

USER: ppforfen
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100200SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

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

ITEM	DESCRIPTION	UNIT	I030	I031	I032	I033	I034	I035	I036	I037	I038	I039	I040	I041	I042	I043	TOTALS CARRIED TO FINAL GEN. SUM.
0481I	ELECTRICAL JUNCTION BOX TYPE B	EACH	1	1	3	13	10	1	12		11						52
04792	CONDUIT-1 IN	LF				223	248		198		158						827
04795	CONDUIT-2 IN	LF	12	12	206	553	283	9	342	3	552	6	9				1987
04797	CONDUIT-3 IN	LF													80		80
04820	TRENCHING AND BACKFILLING	LF	12	12	14	341	40	9	342	3	495	6	9				1283
04899	ELECTRICAL SERVICE	EACH				2	2		2		2						8
21543EN	BORE AND JACK CONDUIT	LF			184	217	50				70				80		601
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF															0
01650	JUNCTION BOX (CONCRETE 32")	EACH											1	1	2	1	5
24921EC	CONDUIT RISER-2 IN	EACH	1	1	1	4	5	1	5	1	5	1					25
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF	180	150	380	980	940	120	1230	140	830	160	130	120		120	5480
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF											1172	1350	1425	1350	5297
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24923EC	CABINET FIBER TERMINATION PANEL	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH	1	1	1	1	1	1	1	1	1	1	1	1		1	13
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF											1022	1213	1120	1218	4573
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF												13		18	31
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF											1022	1200	1120	1200	4542
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF	5	5	5	196	185	5	402	5	191	5					1004

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
- ⑪ 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.

FILE NAME: C:\PWORK\ING\PITT_0200061\100300SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100300SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	1004

ITEM	DESCRIPTION	UNIT	I044	I045	I046	I047	I048	I049	I050	I051	I052	I053	I054	I055	I056	I057	TOTALS CARRIED TO FINAL GEN. SUM.
0481I	ELECTRICAL JUNCTION BOX TYPE B	EACH		8	6		8		11		1	9			3	6	52
04792	CONDUIT-1 IN	LF		80	66		70		134			202			80	84	716
04795	CONDUIT-2 IN	LF		216	97		153		222		23	132			100	599	1542
04797	CONDUIT-3 IN	LF												64		97	161
04820	TRENCHING AND BACKFILLING	LF		135	82		170		255		23	214			93	239	1211
04899	ELECTRICAL SERVICE	EACH		1	1		1		2			2			1	1	9
21543EN	BORE AND JACK CONDUIT	LF		87	52				40			50		64		291	584
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF														1210	1210
01650	JUNCTION BOX (CONCRETE 32")	EACH	1	2	1	1	1	1	1	1	2	1	1	3	2		18
24921EC	CONDUIT RISER-2 IN	EACH		2			1		2			2				2	9
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF		680	140		390		800		170	700		140	310	570	3900
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF															0
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1350	1360	1340	1350	1350	1375	1350	1350	1500	1350	1350	1500	1431	1459	19415
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH		1	1		1		1		1	1		1		1	8
24923EC	CABINET FIBER TERMINATION PANEL	EACH		1	1		1		1		1	1		1		1	8
24924EC	AIR LINK COMMUNICATION	EACH															0
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH		1	1		1		1		1	1		1		1	8
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH															0
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH															0
24928EC	FIREWALL UNIT • RACK MOUNT	EACH															0
24929EC	MICROTRENCHING	LF	1200	1277	1322	1200	1335	1225	1279	1200	1229	1268	1200	1181	433		15349
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF		300	132		304		457		29	338		45	216		1821
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1210	1190	1200	1200	1225	1200	1200	1200	1200	1200	1136	1131	1309	16801
24932EC	CONDUIT REPAIR	LF															0
24933EC	JUNCTION BOX REPAIRED	EACH															0
04888	MESSENGER - 4500 LB	LF															0

NOTES:

- 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.
- ⑩ UNLESS SPECIFIC LOCATION INFORMATION IS PROVIDED, CONTRACTOR SHALL FIELD LOCATE JUNCTION BOXES TO THE SATISFACTION OF THE PROJECT ENGINEER ON SITE.
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FILE NAME: C:\PWORK\ING\PITT_0200061\100400SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100400SU

MicroStation v8.11.9.832

ITS SUB SUMMARY

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

ITEM	DESCRIPTION	UNIT	I058	I059	I060	I061	I062	I063	I064	I065	I066	PROJECT ENGINEER APPROVED	SHEET TOTAL	SUB SUMMARY SHEET 1	SUB SUMMARY SHEET 2	SUB SUMMARY SHEET 3	GRAND TOTAL
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH			10		9	3					22	82	52	52	208
04792	CONDUIT-1 IN	LF			148		146	70		22	28		414	2688	827	716	4645
04795	CONDUIT-2 IN	LF			490		414	133		30	108		1175	2688	1987	1542	7392
04797	CONDUIT-3 IN	LF			90	1200	1202	978					3470	0	80	161	3711
04820	TRENCHING AND BACKFILLING	LF			351		160	71		30	125		737	1734	1283	1211	4965
04899	ELECTRICAL SERVICE	EACH			2		2	1		1	2		8	11	8	9	36
21543EN	BORE AND JACK CONDUIT	LF			304	1200	1504	1077	115				4200	599	601	584	5984
24543EC	CLEAN (EXISTING CONDUIT CLEANED)	LF	1200	1200	712			165	1126	187			4590	0	0	1210	5800
01650	JUNCTION BOX (CONCRETE 32")	EACH			2	1	1	2					6	0	5	18	29
24921EC	CONDUIT RISER-2 IN	EACH			3								3	36	25	9	73
21077ED	FIBER OPTIC CABLE (FIBER OPTIC DROP CABLE, 12 STRAND)	LF			890		360	220		120			1590	6620	5480	3900	17590
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 48 STRAND)	LF			756								756	0	0	0	756
21077ED	FIBER OPTIC CABLE (AIRBLOWN/PUSHABLE, 144 STRAND)	LF	1200	1200	1124	1275	1277	1368	1157	462			9063	0	5297	19415	33775
24922EC	FIBER OPTIC SPLICE ENCLOSURE	EACH			2		1	2		1			6	15	13	8	42
24923EC	CABINET FIBER TERMINATION PANEL	EACH			1								1	15	13	8	37
24924EC	AIR LINK COMMUNICATION	EACH									2		2	0	0	0	2
24925EC	LAYER 2 ETHERNET SWITCH-FLD MOUNT-6 PORT	EACH			1								1	15	13	8	37
24926EC	INTERIOR FIBER OPTIC PATCH PANEL	EACH			1						1		2	0	0	0	2
24927EC	LAYER 2 ETHERNET SWITCH • RACK MOUNT	EACH			2						1		3	0	0	0	3
24928EC	FIREWALL UNIT • RACK MOUNT	EACH			2						1		3	0	0	0	3
24929EC	MICROTRENCHING	LF			17			194					211	0	4573	15349	20133
24930EC	MICRO-DUCT PATHWAY-2 CELL	LF					162	99		15			276	0	31	16801	17108
24931EC	MICRO-DUCT PATHWAY-3 CELL	LF	1200	1200	824	1200	1202	1143	1226	187			8182	0	4542	0	12724
24932EC	CONDUIT REPAIR	LF										100	100	0	0	0	100
24933EC	JUNCTION BOX REPAIRED	EACH										5	5	0	0	0	5
04888	MESSENGER - 4500 LB	LF											0	1101	1004	0	2105

NOTES:

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FILE NAME: C:\PWORKING\PI\100500SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: 100500SU

MicroStation v8.11.9.832

TRAFFIC SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	T002

ITEM	DESCRIPTION	UNIT	T005	T006	T007	T008	T009	T010	T011	T012	T013	T014	T015	T016	T017	T018	SUB SHEET TOTALS
2490IEC	PVC CONDUIT-2 IN-SCHEDULE 80	LF											100	57	92	100	349
04723	BRACKET - 10 FEET	EACH											4	4	4	4	16
04780	FUSED CONNECTOR KIT	EACH											8	8	8	8	32
04792	CONDUIT-1 IN	LF											51	42	48	14	155
04794	CONDUIT-1 1/2 IN	LF															0
04795	CONDUIT-2 IN	LF											55	90	90	41	276
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH											4	4	3	3	14
04820	TRENCHING AND BACKFILLING	LF											181	85	139	80	485
04830	LOOP WIRE	LF											1632	2498	1694	966	6790
04832	WIRE-NO. 12	LF											1360	2047	2029	1678	7114
04844	CABLE-NO. 14/5C	LF			310	150	300	240	320	40	270		3436	430	2906	1370	9772
04845	CABLE-NO. 14/7C	LF			280	160	300	200	330	70	310						1650
04850	CABLE-NO. 14/1 PAIR	LF											1125	1221	770	715	3831
04885	MESSENGER-10800 LB	LF											425	0	430	300	1155
04895	LOOP SAW SLOT AND FILL	LF											619	775	658	370	2422
04899	ELECTRICAL SERVICE	EACH											0	0	0	0	0
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH IC ATC MODULE)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
04932	INSTALL STEEL STRAIN POLE	EACH											4	0	2	2	8
04951	REMOVE SIGNAL EQUIPMENT	LS															0
06472	INSTALL SPAN MOUNTED SIGN (2)	EACH			4	2	2	2	4	2	4	2	2	2	2	1	29
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH											6	6	8	6	26
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH			2	1	1	1	2	1	2		0	1	0	0	11
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH											12	0	11	9	32
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH			2	1	1	1	2	1	2		0	1	0	0	11
20266ES835	INSTALL LED SIGNAL-4 SECTION 12 IN	EACH											0	0	0	0	0
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH											6	6	8	6	26
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD											18	0	9	8	35
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH							1		1		0	0	0	0	2
23206EC	INSTALL CONTROLLER CABINET	EACH											0	0	0	0	0
23222EC	INSTALL SIGNAL PEDESTAL	EACH											2	3	2	1	8
24589ED	LED LUMINAIRE	EACH											4	4	4	4	16
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1			1	1	1	1	1	1	1	1	1	1	1	12
24916ED	SYSTEM INTEGRATION	LS															0
2494IEC	LED TRANSIT SIGNAL MODULE	EACH			6	3	3	3	6	3	6			3			33
22939ND	INSTALL LUMINAIRE POLE	EACH															0

NOTES:

- ① TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS.
- ② SPAN MOUNTED SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.

FILE NAME: J:\0 UNARCHIVED (TEMP)\TDH-ADDENDUM 3\PLAN SHEET\DOWN.T00200SU.DGN

USER: ppforfen
DATE PLOTTED: August 23, 2017

E-SHEET NAME: T00200SU

MicroStation v8.11.9.832

TRAFFIC SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	T003

ITEM	DESCRIPTION	UNIT														SUB SHEET TOTALS		
			T019	T020	T021	T022	T023	T024	T025	T026	T027	T028	T029	T030	T031		T032	
2490IEC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	207	279	198	174	113	232	97	53	179							1532
04723	BRACKET - 10 FEET	EACH	4	4	4	4	4	4	4	4	4							36
04780	FUSED CONNECTOR KIT	EACH	8	8	8	8	8	8	8	8	8							72
04792	CONDUIT-1 IN	LF	35	33	39	47	41	47	51	26	40							359
04794	CONDUIT-1 1/2 IN	LF																0
04795	CONDUIT-2 IN	LF	124	140	260	181	45	76	77	0	55							958
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH	4	5	6	6	4	4	5	3	2							39
04820	TRENCHING AND BACKFILLING	LF	184	139	175	203	125	75	116	59	81							1157
04830	LOOP WIRE	LF	1954	1336	1958	2496	1662	1292	1752	1534	1846							15830
04832	WIRE-NO. 12	LF	1759	2020	1945	2170	1663	1698	1801	565	1714							15335
04844	CABLE-NO. 14/5C	LF	2436	3078	1958	2737	2232	1796	1380	0	1578							17195
04845	CABLE-NO. 14/7C	LF																0
04850	CABLE-NO. 14/1 PAIR	LF	1055	1080	1090	1205	680	450	1231	843	1124							8758
04885	MESSENGER-10800 LB	LF	414	463	165	467	399	412	0	0	135							2455
04895	LOOP SAW SLOT AND FILL	LF	748	515	747	982	641	530	863	590	661							6277
04899	ELECTRICAL SERVICE	EACH																0
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH IC ATC MODULE)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
04932	INSTALL STEEL STRAIN POLE	EACH	1	4	3	4	4	4	0	0	1							21
04951	REMOVE SIGNAL EQUIPMENT	LS																0
06472	INSTALL SPAN MOUNTED SIGN ②	EACH	2	2	1	1	2	0	0	0	1							9
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH	6	8	6	8	8	6	8	0	4							54
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							72
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							8
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH	6	8	6	8	8	6	8	0	4							54
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD	4	19	13	18	18	17	0	0	4							93
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH																0
23206EC	INSTALL CONTROLLER CABINET	EACH										1	1					2
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							36
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
24916ED	SYSTEM INTEGRATION	LS																0
2494IEC	LED TRANSIT SIGNAL MODULE	EACH																0
22939ND	INSTALL LUMINAIRE POLE	EACH			2													2

NOTES:

- ① TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS.
- ② SPAN MOUNTED SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.

FILE NAME: J:\0 UNARCHIVED (TEMP)\TDH-ADDENDUM 3\PLAN SHEET\DOWN.T00300SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: T00300SU

MicroStation v8.11.9.832

TRAFFIC SUB SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-478.7	T004

ITEM	DESCRIPTION	UNIT	T033	T034	T035	T036	T037	T038	T039				SUB SHEET 3 TOTALS	SUB SUMMARY SHEET 1	SUB SUMMARY SHEET 2		GRAND TOTAL
2490IEC	PVC CONDUIT-2 IN-SCHEDULE 80	LF											0	349	1532		1881
04723	BRACKET - 10 FEET	EACH											0	16	36		52
04780	FUSED CONNECTOR KIT	EACH											0	32	72		104
04792	CONDUIT-1 IN	LF							20				20	155	359		534
04794	CONDUIT-1 1/2 IN	LF			40								40	0	0		40
04795	CONDUIT-2 IN	LF				14	17		80				111	276	958		1345
04811	ELECTRICAL JUNCTION BOX TYPE B	EACH							4				4	14	39		57
04820	TRENCHING AND BACKFILLING	LF							100				100	485	1157		1742
04830	LOOP WIRE	LF							2905				2905	6790	15830		25525
04832	WIRE-NO. 12	LF											0	7114	15335		22449
04844	CABLE-NO. 14/5C	LF							1690				1690	9772	17195		28657
04845	CABLE-NO. 14/7C	LF											0	1650	0		1650
04850	CABLE-NO. 14/1 PAIR	LF							1330				1330	3831	8758		13919
04885	MESSENGER-10800 LB	LF							260				260	1155	2455		3870
04895	LOOP SAW SLOT AND FILL	LF							1100				1100	2422	6277		9799
04899	ELECTRICAL SERVICE	EACH			1								1	0	0		1
24908EC	INSTALL SIGNAL CONTROLLER - TY ATC (WITH IC ATC MODULE)	EACH	1	1	1	1	1	1	1				7	14	14		35
04932	INSTALL STEEL STRAIN POLE	EACH							4				4	8	21		33
04951	REMOVE SIGNAL EQUIPMENT	LS											0	0	0		1
06472	INSTALL SPAN MOUNTED SIGN ②	EACH											0	29	9		38
20093NS835	INSTALL PEDESTRIAN HEAD-LED	EACH							4				4	26	54		84
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN (TRANSIT)	EACH											0	11	0		11
20188NS835	INSTALL LED SIGNAL-3 SECTION 12 IN	EACH							12				12	32	72		116
20189NS835	INSTALL LED SIGNAL-5 SECTION 12 IN	EACH											0	11	0		11
20266ES835	INSTALL LED SIGNAL-4 SECTION 12 IN	EACH											0	0	8		8
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH							4				4	26	54		84
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD							17				17	35	93		145
24937EC	INSTALL EXTERNAL UPS SYSTEM CABINET	EACH											0	2	0		2
23206EC	INSTALL CONTROLLER CABINET	EACH	1			1	1		1				4	0	2		6
23222EC	INSTALL SIGNAL PEDESTAL	EACH											0	8	18		26
24589ED	LED LUMINAIRE	EACH											0	16	36		52
24919EC	MULTIMODE PHASE SELECTOR (WITH POLE MOUNTED ANTENNA)	EACH	1	1	1	1	1	1					6	12	14		32
24916ED	SYSTEM INTEGRATION	LS											0	0	0		1
2494IEC	LED TRANSIT SIGNAL MODULE	EACH											0	33	0		33
22939ND	INSTALL LUMINAIRE POLE	EACH											0	0	2		2

NOTES:

- ① TRAFFIC SUB SUMMARY TOTALS CARRIED TO TRAFFIC GENERAL SUMMARY SHEETS.
- ② SPAN MOUNTED SIGNS TO BE PROVIDED BY KYTC AND INSTALLED BY CONTRACTOR.

FILE NAME: J:\0 UNARCHIVED (TEMP)\TDH-ADDENDUM 3\PLAN SHEET\DOWN.T00400SU.DGN

USER: TBALLARD
DATE PLOTTED: August 23, 2017

E-SHEET NAME: T00400SU

MicroStation v8.11.9.832

PROPOSAL BID ITEMS

Report Date 8/23/17

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		\$	
0080	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		\$	
0200	02611		HANDRAIL-TYPE A-1	52.00	LF		\$	
0210	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0220	02653		LANE CLOSURE	12.00	EACH		\$	
0230	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0240	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0250	02701		TEMP SILT FENCE	5,273.00	LF		\$	
0260	02705		SILT TRAP TYPE C	278.00	EACH		\$	
0270	02708		CLEAN SILT TRAP TYPE C	834.00	EACH		\$	
0280	02720		SIDEWALK-4 IN CONCRETE	18,542.00	SQYD		\$	
0290	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		\$	
0340	04829		PIEZOELECTRIC SENSOR	16.00	EACH		\$	
0350	04830		LOOP WIRE	7,100.00	LF		\$	
0360	04895		LOOP SAW SLOT AND FILL	1,800.00	LF		\$	
0370	05952		TEMP MULCH	52,740.00	SQYD		\$	
0380	05953		TEMP SEEDING AND PROTECTION	39,555.00	SQYD		\$	
0390	05990		SODDING	11,087.00	SQYD		\$	
0400	05997		TOPSOIL FURNISHED AND PLACED	3,902.00	CUYD		\$	

PROPOSAL BID ITEMS

Report Date 8/23/17

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)	993.00	EACH		\$	
0620	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	375.00	EACH		\$	
0630	20359NN		GALVANIZED STEEL CABINET	3.00	EACH		\$	
0640	20360ES818		WOOD POST	6.00	EACH		\$	
0650	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	5.00	EACH		\$	
0660	21341ND		BOLLARDS	5.00	EACH		\$	
0665	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN (ADDED: 8-15-17)	42.00	LF		\$	
0670	22665EN		REMOVE NON-MOUNTABLE MEDIAN	642.00	SQYD		\$	
0680	23139EN		STRIPING REMOVAL	175,000.00	LF		\$	
0690	23158ES505		DETECTABLE WARNINGS	2,205.00	SQFT		\$	
0700	23214EC		BRICK-PAVERS FOR ROADWAY (VERGE)	150.00	SQYD		\$	
0710	23613EC		PERENNIALS	2,411.00	EACH		\$	
0720	24489EC		INLAID PAVEMENT MARKER	1,830.00	EACH		\$	
0730	24558ED		ORNAMENTAL GRASS	1,361.00	EACH		\$	
0740	24911ED		STRUCTURAL SOIL VAULT SYSTEM	120.00	SQYD		\$	
0750	24912ES724		GROUND COVER	1,462.00	EACH		\$	
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

Report Date 8/23/17

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: 8-23-17)	265.00	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	04951		REMOVE SIGNAL EQUIPMENT (REVISED: 8-23-17)	1.00	L S		\$	
1170	06472		INSTALL SPAN MOUNTED SIGN (REVISED: 8-21-17)	38.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 8/23/17

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 (REVISED: 8-21-17)	6.00	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) (REVISED: 8-21-17)	32.00	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
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) (REVISED: 8-21-17)	17,590.00	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		\$	

PROPOSAL BID ITEMS

Report Date 8/23/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1490	24924EC		AIR LINK COMMUNICATION	2.00	EACH		\$	
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		\$	
1690	14108		W VALVE 12 INCH	9.00	EACH		\$	
1700	14156		W METER REMOVE	5.00	EACH		\$	
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		\$	

PROPOSAL BID ITEMS

Report Date 8/23/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1860	02653		LANE CLOSURE	25.00	EACH		\$	
1870	02677		ASPHALT PAVE MILLING & TEXTURING	575.00	TON		\$	
1880	02720		SIDEWALK-4 IN CONCRETE	1,481.00	SQYD		\$	
1890	05990		SODDING	98.00	SQYD		\$	
1900	06407		SBM ALUM SHEET SIGNS .125 IN (REVISED: 8-21-17)	164.00	SQFT		\$	
1910	06514		PAVE STRIPING-PERM PAINT-4 IN	673.00	LF		\$	
1920	06515		PAVE STRIPING-PERM PAINT-6 IN	3,621.00	LF		\$	
1930	06568		PAVE MARKING-THERMO STOP BAR-24IN	40.00	LF		\$	
1940	06574		PAVE MARKING-THERMO CURV ARROW	3.00	EACH		\$	
1950	06601NC		PAVE MARKING-PAINT WORDS	8.00	EACH		\$	
1960	20000ES724		TREE	16.00	EACH		\$	
1970	20000ES724		TREE IN TREE GRATE	42.00	EACH		\$	
1980	20194ED		REMOVE & RESET TRAFFIC SIGN	10.00	EACH		\$	
1990	21373ND		REMOVE SIGN	3.00	EACH		\$	
2000	22415EN		CONCRETE-CLASS A FOR PAD (BUS PAD-10 IN)	1,457.00	SQYD		\$	
2010	22415EN		CONCRETE-CLASS A FOR PAD (BUS PAD-6 IN)	1,743.00	SQYD		\$	
2020	22415EN		CONCRETE-CLASS A FOR PAD (SHELTER PAD-4 IN)	1,104.00	SQYD		\$	
2030	22415EN		CONCRETE-CLASS A FOR PAD (SHELTER PAD-8 IN)	471.00	SQYD		\$	
2040	23158ES505		DETECTABLE WARNINGS	871.00	SQFT		\$	
2050	23214EC		BRICK-PAVERS FOR ROADWAY (VERGE)	232.00	SQYD		\$	
2060	23403EC		BUS SHELTER (TYPE 1)	5.00	EACH		\$	
2070	23403EC		BUS SHELTER (TYPE 2)	14.00	EACH		\$	
2080	23403EC		BUS SHELTER (TYPE 3)	12.00	EACH		\$	
2090	23404EC		BENCH	48.00	EACH		\$	
2100	23405EC		TRASH RECEPTACLE	37.00	EACH		\$	
2110	23613EC		PERENNIALS	157.00	EACH		\$	
2120	24558ED		ORNAMENTAL GRASS	39.00	EACH		\$	
2130	24605ED		RELOCATE (LIGHT POLE)	1.00	EACH		\$	
2140	24731EC		REMOVE AND RESET (MAILBOX)	2.00	EACH		\$	
2150	24731EC		REMOVE AND RESET (SPRINKLER HEAD)	1.00	EACH		\$	
2160	24894EC		REMOVE (BUS BENCH)	23.00	EACH		\$	
2170	24894EC		REMOVE (BUS SHELTER)	8.00	EACH		\$	
2180	24894EC		REMOVE (BUS TRASH CAN)	17.00	EACH		\$	
2190	24894EC		REMOVE (PARKING METER)	2.00	EACH		\$	
2200	24911ED		STRUCTURAL SOIL VAULT SYSTEM	218.00	SQYD		\$	
2210	24913ED		PYLON	36.00	EACH		\$	
2220	24914ED		MODIFIED PYLON	1.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 8/23/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2230	24918ES601		CONCRETE-CLASS A (VERGE & MEDIAN)	347.00	SQYD		\$	

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		\$	

RECOMMENDATION FOR PICKUP OF ITEMS TO BE INSTALLED
 ON TRAFFIC SIGNALS/LIGHTING

Item Number: 5-478.7
 County: Jefferson

Description: Transforming Dixie Highway (US 31W)
Bethany mp 7.72 to Garland mp 19.285, Broadway / 9th

Cabinets	Master code	Description of Item
0	T-01-0000	Aluminum Cabinet (Beacon)
0	T-01-0010	Pole Mounted 336 Cabinet
6	T-01-0020	Base Mounted 332 Cabinet
2	T-01-0030	Battery Backup System (Piggyback)
0	T-01-0100	170 Controller
35	T-01-0105	ATC Controller
35	T-01-0106	1C w/Maxtime (this should go with item ATC controller)
0	T-01-0200	School Clock
0	T-01-0501	Conflict Monitor, Model 2018
56	T-01-0510	Isolator, Model 242 (for ped detector and railroad)
58	T-01-0600	Loop Detector, Model 222
85	T-01-0700	Load Switches

Signals	Master code	Description of Item
0	T-02-0001	1-section beacon backplate
127	T-02-0009	Siemens 3 Section Signal
127	T-02-0032	Siemen 3 section backplate
8	T-02-0033	Siemen 4 section 12" signal (poly)
0	T-02-0034	Siemen 4 section 12" signal double red
11	T-02-0040	Siemen 5 section, 12 inch signal (poly)
11	T-02-0041	Siemen 5 section backplate
0	T-02-0042	4-sec dbl red backplate only
8	T-02-0043	Siemen 4-sec. straight signal backplate
0	T-02-0051	2" wide fluorescent yellow reflective tape
0	T-02-0080	12 inch red/yellowbeacon
84	T-02-0090	Pedestrian signal housing
0	T-02-0099	Audible pedestrian detector
21	T-02-0300	LED Module 12" red arrow
32	T-02-0310	LED Module 12" yellow arrow
40	T-02-0320	LED Module 12" green arrow
114	T-02-0330	LED Module 12" red ball
114	T-02-0340	LED Module 12" yellow ball
114	T-02-0350	LED Module 12" green ball
84	T-02-0365	LED Countdown Pedestrian Module

Special items	Master code	Description of Item	# of left turns put here
0	T-02-0400	Video Detection System Camera Detector, SP	
0	T-02-0401	Camera Mounting System	
0	T-02-0500	MDS Radios 9810	
0	T-02-0507	Ethernet/Serial Data Radio	
0	T-02-0510	Antenna 6 db omni	
0	T-02-0520	Antenna 10 db yagi	
0	T-02-0530	Antenna 9 db omni	
3	T-02-0640	Mast Arm Mount Signal Bracket (3-section)	
0	T-03-0230	Jumper 3' N-N RG-58	
0	T-03-0240	Jumper 60' N-N RG-213	
0	T-06-0800	Surge Protector for Radio	
0	T-09-0410	Sign Hanger for 48" signs	
37	T-09-0415	30 X 36 through 36 X 36 sign hanger (New)	
26	T-02-0650	Pedstl.top mntg.bkt One-way	
0	T-02-0660	Pedstl.top mntg.bkt Two-way	
0	T-02-0661	Post Top for Pedestal (each)	
26	T-02-0670	Pedestal	
2	T-06-0600	Transformer Base for Luminaire Poles w/o anchor bolts	
8	T-06-0601	Anchor Bolts for Luminaire Poles	
84	T-06-0710	Ped Detector Pole Mount FSA Box	
0	T-06-0730	Ped Button w/o Plunger	
0	T-17-0015	9 X 15 Countdown Ped Sign DBL Sided	
0	T-01-0609	Epoxy Applicator	
0	T-01-0611	Access Point Controller Card	
0	T-01-0612	Access Point Expansion Card	
0	T-01-0613	Access Point Remote Radio	
0	T-01-0614	Access Point Accessory Isolator	
0	T-01-0615	Repeater	
0	T-01-0616	Type T Sensor	
0	T-01-0618	Sensor Clamshell Enclosure	
0	T-01-0619	Sensor Installation Kit	

Poles	Master code	Description of Item
0	T-04-0010	Steel Strain Pole 28 foot
18	T-04-0020	Steel Strain Pole 30 foot
14	T-04-0030	Steel Strain Pole 32 foot
1	T-04-0040	Steel Strain Pole 34 foot
0	T-04-0051	Steel Strain Pole 36 foot
0	T-04-0054	Steel Strain Pole 38 foot
0	T-04-0055	Steel Strain Pole 40 foot
2	T-04-0150	Lighting Pole 30' w/no mongoose luminaire

Electrical Contractor Name _____
 Electrical Contractor Supervisor _____ Contact number for Supervisor _____
 Project Engineer David Lee, PE (502) 909-3255 Contact number for Project Engineer _____
 Project Engineer attests that the mentioned contractor is the actual electrical contractor on this project
 Signature of Project Engineer or Designee _____

KYTC

Transforming Dixie Highway

Item 5-478.7

Special Note Regarding Area 1 (defined as Greenwood to Blanton)

The contractor is advised that there is an active project on Dixie Highway adjacent to this contract (CID 17-1024) that has a completion date of May 15, 2018. It is anticipated that resurfacing work on the existing project will occur in early 2018 and will extend north to approximately 900' south of the Greenwood Road intersection. All work for this contract will need to be coordinated with the adjacent active project to ensure that work does not impede the construction or completion of the adjacent project.