

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL ESTIMATE

HSIP SC SR 24 at SR 5/SR 23 Intersection Improvements

CONTRACT #: T201200903
 F.A.P. #: ESTP-0024(15)
 PROJECT: HSIP SC SR 24 at SR 5/SR 23 Intersection Improvements

INTERSECTION # 1: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS
1	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 1: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	BYERS
1	95	832029	40	LF	Furnish & Install #8/2 wire UF W/ground [Advanced utility work contingency]	4.55	182.00
2	440	831523	40	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench) [Advanced utility work contingency]	18.50	740.00
3	990	837011	8	EA	Realign or Slide Existing Signal Head	175.00	1,400.00
4	1070	844521	1	EA	Install Video Detection Device	500.00	500.00
5			2	LS	MOT	7000.00	14,000.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	16,822.00

INTERSECTION # 1: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	BYERS
1	2080	999442	1	EA	Video Detector (Fisheye)	19000.00	19,000.00
2			1	LS	Power Feed "Make-Ready" DEC [Advanced utility work contingency]	2000.00	2,000.00
TOTAL TRAFFIC SUPPLY ITEMS						→	21,000.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	16,822.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	21,000.00
CONTINGENCIES	→	→	2,363.88
TOTAL COST	→	→	40,185.88

INTERSECTION # 2: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Ultimate						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS
1	135	846001	530	LF	Furnish & Install Loop Wire 1-conductor #14 AWG encased in 3/4" Flexible Tubing in a Loop Sawcut		
2	140	846002	30	LF	Furnish & Install a 1-1/2 inch Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
3	305	831545	120	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)		
4	355	831514	25	LF	Furnish and Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
5	360	831515	50	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)		
6	365	831516	130	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)		
7	650	830001	2	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete		
8	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
9	700	833001	9	EA	Bonding & Grounding Existing Junction Well		
10	850	834005	1	EA	Pole Base Type 4A		
11	1225	830010	2	EA	Removal of Existing Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 2: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Ultimate						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	BYERS
1	65	832008	560	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	1,288.00
2	80	832025	325	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.50	812.50
3	90	832027	750	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.50	1,875.00
4	110	832507	760	LF	Furnish & Install 14/5 Traffic Control Cable	2.65	2,014.00
5	115	832033	335	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	1,072.00
6	885	836502	1	EA	Furnish and Install Pedestal Pole	1350.00	1,350.00
7	990	837011	6	EA	Realign or Slide Existing Signal Head	175.00	1,050.00
8	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	650.00	1,950.00
9	1010	837010	4	EA	Furnish & Install Pedestrian Pushbutton with Sign	250.00	1,000.00
10	1035	837501	1	EA	Installation and Removal of Traffic Signal Head Indication/LED Module	175.00	175.00
11	1045	837508	1	EA	Furnish 16" LED Countdown Pedestrian Signal Head Indication Module	145.00	145.00
12	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	275.00	550.00
13	1235	832035	200	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	1.50	300.00
14	1260	837500	1	EA	Removal of Signal Head or Pedestrian Head from Pole or Pedestal	150.00	150.00
15	1290	842500	2	EA	Installation or Removal of Pedestrian Button on Wood or Metal Pole	100.00	200.00
16			1	LS	MOT	7000.00	7,000.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	20,931.50

INTERSECTION # 2: S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Ultimate						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	BYERS
1	2435	999601	6	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	690.00
TOTAL TRAFFIC SUPPLY ITEMS						→	690.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	20,931.50
TOTAL TRAFFIC SUPPLY ITEMS	→	→	690.00
CONTINGENCIES	→	→	1,351.34
TOTAL COST	→	→	22,972.84

INTERSECTION # 3: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS
1	670	830008	11	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 3: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	BYERS
1	990	837011	20	EA	Realign or Slide Existing Signal Head	175.00	3,500.00
2	1070	844521	1	EA	Install Video Detection Device	500.00	500.00
3	1210	838009	250	LF	Removal of Messenger Wire, Cable and Hardware [Advanced utility work contingency]	5.00	1,250.00
4	1215	838500	1	EA	Removal of Span Wire Attachment [Advanced utility work contingency]	300.00	300.00
5			5	LS	MOT	7000.00	35,000.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	40,550.00

INTERSECTION # 3: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Temporary						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	BYERS
1	2080	999442	1	EA	Video Detector (Fisheye)	19000.00	19,000.00
2			1	LS	Power Feed "Make-Ready" DEC [Advanced utility work contingency]	6000.00	6,000.00
TOTAL TRAFFIC SUPPLY ITEMS						→	25,000.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	40,550.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	25,000.00
CONTINGENCIES	→	→	4,096.88
TOTAL COST	→	→	69,646.88

INTERSECTION # 4: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Ultimate							UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS	
1	15	835003	1	EA	Cabinet Base Type P			
2	135	846001	1070	LF	Furnish & Install Loop Wire 1-conductor #14 AWG encased in ¼" Flexible Tubing in a Loop Sawcut			
3	140	846002	50	LF	Furnish & Install a 1-1/2 inch Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire			
4	305	831545	435	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)			
5	355	831514	55	LF	Furnish and Install 2-1/2" Schedule 80 PVC Conduit (Trench)			
6	360	831515		LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)			
7	365	831516	700	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)			
8	440	831523	15	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)			
9	455	831526	5	LF	Furnish and Install 4" Galvanized Steel Conduit (Trench)			
10	515	831541	15	LF	Furnish and Install 4" Galvanized Steel Conduit (On Structure)			
11	545	831574	315	LF	Furnish and Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut			
12	565	831578	205	LF	Furnish and Install Second and Subsequent Additional 4" HDPE 13.5 SDR Conduit Conduits in Directional Bore			
13	650	830001	8	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete			
14	655	830002	4	EA	Conduit Junction Well, Type 4, 20"x42.5" Precast Concrete			
15	835	834002		EA	Pole-Base-Type-3A			
16	840	834003		EA	Pole-Base-Type-3B			
17	850	834005	5	EA	Pole Base Type 4A			
18	1225	830010	8	EA	Removal of Existing Junction Well			
19	1240	834501	3	CY	Removal of Concrete Pole Bases and Cabinet Foundations			
TOTAL PROJECT CONTRACTOR ITEMS							→	

INTERSECTION # 4: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Ultimate							UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	BYERS	
1	65	832008	1355	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	3,116.50	
2	80	832025	870	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.50	2,175.00	
3	90	832027	2655	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.50	6,637.50	
4	95	832029	20	LF	Furnish & Install #8/2 wire UF W/ground	4.55	91.00	
5	110	832507	1230	LF	Furnish & Install 14/5 Traffic Control Cable	2.65	3,259.50	
6	115	832033	890	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	2,848.00	
7	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	350.00	350.00	
8	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	1800.00	1,800.00	
9	885	836502	5	EA	Furnish and Install Pedestal Pole	1350.00	6,750.00	
10	890	836504	4	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00		
11	970	837002	32	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	10,880.00	
12	985	837007	8	EA	Furnish & Install Signal Head Backplate	325.00	2,600.00	
13	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	950.00	3,800.00	
14	1000	837008	8	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	650.00	5,200.00	
15	1010	837010	8	EA	Furnish & Install Pedestrian Pushbutton with Sign	250.00	2,000.00	
16	1135	822500	4	EA	Install Overhead Sign	300.00	1,200.00	
17	1215	838500	4	EA	Removal of Span Wire Attachment	300.00	1,200.00	
18	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	275.00	550.00	
19	1270	838504	12	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	225.00	2,700.00	
20	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	300.00	600.00	
21			3	LS	MOT	7000.00	21,000.00	
TOTAL TRAFFIC CONTRACTOR ITEMS							→	78,757.50

INTERSECTION # 4: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Ultimate							UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	BYERS	
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller(includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00	
2	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00	
3	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00	
4	2175	999489	4	EA	Steel Round Mast Arm Pole, TYPE B (45'-60' Arm Length or 2-60' Arms)	8818.16		
5	2220	999498	1	EA	45' (13.7m) Steel Round Mast Arm	7770.88		
6	2225	999499	2	EA	50' (15.2m) Steel Round Mast Arm	7941.44		
7	2230	999500	1	EA	55' (16.8m) Steel Round Mast Arm	8641.36		
8	2435	999601	6	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	690.00	
9			1	LS	Power Feed "Make-Ready" DEC	2000.00	2,000.00	
TOTAL TRAFFIC SUPPLY ITEMS							→	19,941.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	78,757.50
TOTAL TRAFFIC SUPPLY ITEMS	→	→	19,941.00
CONTINGENCIES	→	→	6,168.66
TOTAL COST	→	→	104,867.16

INTERSECTION # 5: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Advance Traffic-only					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 5: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Advance Traffic-only					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	BYERS
1	360	831515	40	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	12.00	480.00
2	650	830001	4	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1100.00	4,400.00
3	715	802003	8	EA-DY	Arrow Panels, Type C	45.00	360.00
4	725	804001	8	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	1,800.00
5	730	805001	240	EA-DY	Plastic Drums	4.00	960.00
6	735	806001	32	HR	Traffic Officers	75.00	2,400.00
7	740	808002	8	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	1,760.00
8	745	810001	64	EA-DY	Temporary Warning Signs and Plaques	18.00	1,152.00
9	760	811003	40	HR	Flagger, Sussex County, State	78.00	3,120.00
10	775	811015	8	HR	Flagger, Sussex County, State, Overtime	113.00	904.00
11	835	834002	3	EA	Pole Base Type 3A	3700.00	11,100.00
12	840	834003	1	EA	Pole Base Type 3B	4900.00	4,900.00
13	890	836504	4	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00	8,000.00
14	1070	844521	1	EA	Install Video Detection Device	500.00	500.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	41,836.00

INTERSECTION # 5: S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Advance Traffic-only					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	BYERS
1	2080	999442	1	EA	Video Detector (Fisheye)	19000.00	19,000.00
2	2175	999489	4	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2-60' Arms)	8818.16	35,272.64
3	2220	999498	1	EA	45' (13.7m) Steel Round Mast Arm	7770.88	7,770.88
4	2225	999499	1	EA	50' (15.2m) Steel Round Mast Arm	7941.44	7,941.44
5	2235	999501	2	EA	60' (16.8m) Steel Round Mast Arm	9468.16	18,936.32
TOTAL TRAFFIC SUPPLY ITEMS						→	88,921.28

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	41,836.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	88,921.28
CONTINGENCIES	→	→	8,172.33
TOTAL COST	→	→	138,929.61

MULTIPLE INTERSECTION SUMMARY

Intersection #1:	S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Temporary	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	16,822.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	21,000.00
		CONTINGENCIES	→	→	2,363.88
Intersection #2:	S313: SR 24 @ Plaza Drive ("Bayshore Plaza") - Ultimate	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	20,931.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	690.00
		CONTINGENCIES	→	→	1,351.34
Intersection #3:	S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Temporary	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	40,550.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	25,000.00
		CONTINGENCIES	→	→	4,096.88
Intersection #4:	S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Ultimate	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	78,757.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	19,941.00
		CONTINGENCIES	→	→	6,168.66
Intersection #5:	S127: SR 24 @ SR 5 / SR 23 ("Road 22") - Advance Traffic-only	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	41,836.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	88,921.28
		CONTINGENCIES	→	→	8,172.33
		TOTAL	→	→	376,602.36

TRAFFIC STATEMENT

Date : NOT YET SENT

DelDOT Traffic
169 Brick Store Landing Rd
Smyrna, Delaware 19977

To : Daniel Macchione
PS&E Project Coordinator

From : Bret A. Martine, PE, PTOE
Traffic Systems Design Engineer

Ref : Contract Number : T201500202 F.A.P. # : ESTP-K024(16)
Project Title : HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

- No Involvement by Traffic
- PS&E Attached, Signal Involvement
- PS&E Attached, ITMS Involvement
- PS&E Attached, Highway Lighting Involvement
- PS&E Attached, Signing Involvement
- PS&E Attached, Pavement Markings Involvement
- Traffic ONLY, Pavement Markings

cc: Nick Mogle, Traffic Operations Manager (Interim)
Sandra DiOrrio, Support Services Administrator
Charlanne A. Thornton, Director of Finance
Jill Frey, Project Engineer/Designer
Traffic Project File Copy

TRAFFIC PROJECT COST SUMMARY

EP KC, US 13, Lochmeath Way to Puncheon Run Connect

T201500202

DESCRIPTION	ENGINEER'S ESTIMATE
TOTAL SIGNAL ESTIMATE	\$3,127,992.60
TOTAL ITMS ESTIMATE	\$536,911.20
TOTAL HIGHWAY LIGHTING ESTIMATE	\$399,655.30
TOTAL ROADWAY SIGNING ESTIMATE	\$76,277.40
MAINTENANCE FEE (5%)	\$0.00

TOTAL ESTIMATE FOR PROJECT ----> **\$4,140,836.51**

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

CONTRACT #: T201500202
F.A.P. #: ESTP-K024(16)
PROJECT: HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

INTERSECTION # 1: **K284, US13 & Lochmeath Way**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 1, STAGE 3							
1							
2	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
3	1225	830010	2	EA	Removal of Existing Junction Well		
PHASE 1, STAGE 4							
4							
5	15	835003	1	EA	Cabinet Base Type P		
6	305	831545	760	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
7	365	831516	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
8	440	831523	115	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
9	445	831524	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
10	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
11	545	831574	20	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
12	655	830002	3	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
13	670	830008	3	EA	Adjust or Repair Existing Conduit Junction Well		
14	1225	830010	5	EA	Removal of Existing Junction Well		
15	1240	834501	1	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 1, STAGE 6							
16							
17	360	831515	10	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
18	445	831524	20	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
19	505	831539	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (On Structure)		
20	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
21	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
22	840	834003	1	EA	Pole Base Type 3B		
23	870	834008	1	EA	Sheeting for Pole Base		
24	1240	834501	1.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 1, STAGE 7							
25							
26	305	831545	140	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
27	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
28	360	831515	35	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
29	365	831516	55	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
30	650	830001	4	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
31	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
32	840	834003	2	EA	Pole Base Type 3B		
33	850	834005	2	EA	Pole Base Type 4A		
34	870	834008	2	EA	Sheeting for Pole Base		
35	1240	834501	1.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 1, STAGE 8							
36							
37	140	846002	30	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
38	305	831545	130	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
39	355	831514	35	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
40	360	831515	10	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
41	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
42	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
43	835	834002	1	EA	Pole Base Type 3A		
44	850	834005	2	EA	Pole Base Type 4A		
45	870	834008	1	EA	Sheeting for Pole Base		
ULTIMATE							
46							
47	135	846001	1410	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
48	670	830008	7	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 1: K284, US13 & Lochmeath Way					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 1, STAGE 3							
1							
2	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
3	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
4	1235	832035	2065	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,032.50
5	NIB003		350	LF	Install CAT-5e Cable	2.10	735.00
6	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
PHASE 1, STAGE 4							
8	65	832008	110	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	275.00
9	80	832025	900	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,800.00
10	95	832029	115	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	575.00
11	120	832034	450	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,250.00
12	125	832504	150	LF	Furnish & Install #8 THHN Stranded Copper	1.00	150.00
13	150	832501	17	EA	Splicing of Electrical Cable Above Ground	75.00	1,275.00
14	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
15	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
16	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
17	880	836002	1	EA	Installation of Steel Pole (Equal to or Greater than 40')	725.00	725.00
18	990	837011	9	EA	Realign or Slide Existing Signal Head	255.00	2,295.00
19	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
20	1235	832035	630	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	315.00
21	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
22	NIB003		310	LF	Install CAT-5e Cable	2.10	651.00
PHASE 1, STAGE 6							
24	65	832008	240	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	600.00
25	80	832025	1150	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	2,300.00
26	110	832507	350	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,400.00
27	120	832034	640	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	3,200.00
28	710	808501	3	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	2,850.00
29	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
30	915	841001	1	EA	Furnish & Install Weatherhead, up to 3", on Steel Pole	540.00	540.00
31	935	839502	2	EA	Furnish & Install Wood Pole, Class II (Heavy) - 50'	2100.00	4,200.00
32	970	837002	15	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	6,000.00
33	985	837007	5	EA	Furnish & Install Signal Head Backplate	445.00	2,225.00
34	990	837011	11	EA	Realign or Slide Existing Signal Head	255.00	2,805.00
35	990	837011	5	EA	Realign or Slide Existing Signal Head	255.00	1,275.00
36	995	844001	1	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	1,525.00
37	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
38	1140	823001	1	EA	Installation of Sign on Span Wire or Mast Arm	50.00	50.00
39	1195	838003	2	EA	Furnish & Install Dead End Messenger Wire Attachment	500.00	1,000.00
40	1200	838006	1	EA	Adjustment of Span or Messenger Wire	750.00	750.00
41	1205	838008	2	EA	Transfer of Existing Span or Messenger Attachment	1000.00	2,000.00
42	1220	840001	6	EA	Furnish & Install Down Guy and Anchor	550.00	3,300.00
43	1235	832035	650	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	325.00
44	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,100.00
45	NIB003		200	LF	Install CAT-5e Cable	2.10	420.00
PHASE 1, STAGE 7							
47	65	832008	225	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	562.50
48	80	832025	380	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	760.00
49	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
50	110	832507	1020	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,080.00
51	115	832033	50	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	250.00
52	120	832034	170	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	850.00
53	150	832501	2	EA	Splicing of Electrical Cable Above Ground	75.00	150.00
54	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00

55	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
56	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
57	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
58	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
59	975	837004	7	EA	Furnish & Install 12" LED Signal Head Section Span Mount	370.00	2,590.00
60	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
61	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
62	995	844001	3	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	4,575.00
63	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
64	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
65	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
66	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
67	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
68	1235	832035	670	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	335.00
69	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,100.00
70	1270	838504	15	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	2,040.00
71	NIB003		450	LF	Install CAT-5e Cable	2.10	945.00
72					PHASE 1, STAGE 8		
73	65	832008	200	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	500.00
74	80	832025	380	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	760.00
75	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
76	110	832507	1060	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,240.00
77	115	832033	300	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,500.00
78	710	808501	3	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	2,850.00
79	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
80	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
81	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
82	970	837002	7	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	2,800.00
83	985	837007	2	EA	Furnish & Install Signal Head Backplate	445.00	890.00
84	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
85	995	844001	1	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	1,525.00
86	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
87	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
88	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
89	1140	823001	1	EA	Installation of Sign on Span Wire or Mast Arm	50.00	50.00
90	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
91	1230	831011	30	LF	Removal of Conduit from Wood Pole	2.00	60.00
92	1270	838504	3	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	408.00
93	1275	839003	2	EA	Removal of Wood Pole	550.00	1,100.00
94	1280	840005	6	EA	Removal of Down Guy and Anchor	272.00	1,632.00
95					ULTIMATE		
96	65	832008	725	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,812.50
97	90	832027	7050	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,100.00
98	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
99	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
100	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
101	1235	832035	400	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	200.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	181,653.50

INTERSECTION # 1: **K284, US13 & Lochmeath Way**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 1, STAGE 3		
2		999999	1	LS	Gridsmart Dual Camera Video Detection System	22750.00	22,750.00
3	2535	999621	1	EA	CDMA	1200.00	1,200.00
4					PHASE 1, STAGE 4		
5	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
6	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
7	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
8	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
9					PHASE 1, STAGE 6		
10	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
11	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
12	2435	999601	2	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	230.00
13					PHASE 1, STAGE 7		
14	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
15	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
16	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
17	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
18					PHASE 1, STAGE 8		
19	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
20	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
21	2435	999601	2	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	230.00
22					ULTIMATE		
23							
TOTAL TRAFFIC SUPPLY ITEMS						→	138,261.48
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	181,653.50
TOTAL TRAFFIC SUPPLY ITEMS						→ →	138,261.48
CONTINGENCIES						→ →	31,991.50
TOTAL COST						→ →	351,906.48

INTERSECTION # 2: **K019P, US 13 & Thomas Harmon Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION -- (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 1, STAGE 3							
1							
2	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
3	1225	830010	1	EA	Removal of Existing Junction Well		
PHASE 1, STAGE 5							
4							
5	15	835003	1	EA	Cabinet Base Type P		
6	305	831545	715	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
7	360	831515	10	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
8	365	831516	240	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
9	440	831523	35	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
10	445	831524	15	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
11	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
12	505	831539	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (On Structure)		
13	545	831574	10	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
14	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
15	655	830002	3	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
16	670	830008	3	EA	Adjust or Repair Existing Conduit Junction Well		
17	840	834003	2	EA	Pole Base Type 3B		
18	870	834008	2	EA	Sheeting for Pole Base		
19	1225	830010	3	EA	Removal of Existing Junction Well		
20	1240	834501	2.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 1, STAGE 6							
21							
22	355	831514	20	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
23	360	831515	15	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
24	435	831564	15	LF	Furnish & Install 1-1/2" Galvanized Steel Conduit (Trench)		
25	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well		
26	840	834003	1	EA	Pole Base Type 3B		
27	850	834005	2	EA	Pole Base Type 4A		
28	870	834008	1	EA	Sheeting for Pole Base		
29	1225	830010	4	EA	Removal of Existing Junction Well		
30	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 1, STAGE 9							
31							
32	305	831545	185	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
33	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
34	360	831515	10	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
35	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
36	840	834003	1	EA	Pole Base Type 3B		
37	850	834005	2	EA	Pole Base Type 4A		
38	870	834008	1	EA	Sheeting for Pole Base		
39	1225	830010	5	EA	Removal of Existing Junction Well		
40	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
ULTIMATE							
41							
42	135	846001	1805	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
43	670	830008	6	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 2: **K019P, US 13 & Thomas Harmon Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 1, STAGE 3							
1							
2	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
3	990	837011	2	EA	Realign or Slide Existing Signal Head	255.00	510.00
4	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
5	1235	832035	2800	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,400.00
6	NIB003		450	LF	Install CAT-5e Cable	2.10	945.00
7	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
PHASE 1, STAGE 5							
9	65	832008	410	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,025.00
10	80	832025	970	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,940.00
11	95	832029	40	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	200.00
12	110	832507	780	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	3,120.00
13	120	832034	660	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	3,300.00
14	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper	1.00	130.00
15	150	832501	19	EA	Splicing of Electrical Cable Above Ground	75.00	1,425.00
16	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
17	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
18	710	808501	3	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	2,850.00
19	875	836001	2	EA	Installation of Steel Pole (17' to 40')	550.00	1,100.00
20	915	841001	1	EA	Furnish & Install Weatherhead, up to 3", on Steel Pole	540.00	540.00
21	935	839502	2	EA	Furnish & Install Wood Pole, Class II (Heavy) – 50'	2100.00	4,200.00
22	990	837011	11	EA	Realign or Slide Existing Signal Head	255.00	2,805.00
23	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
24	1185	838001	120	LF	Furnish & Install Span Wires, 7/16"	6.00	720.00
25	1195	838003	2	EA	Furnish & Install Dead End Messenger Wire Attachment	500.00	1,000.00
26	1200	838006	2	EA	Adjustment of Span or Messenger Wire	750.00	1,500.00
27	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
28	1220	840001	6	EA	Furnish & Install Down Guy and Anchor	550.00	3,300.00
29	1235	832035	2900	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,450.00
30	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,100.00
31	1265	838503	1400	LF	Removal of Cable from Messenger Wire	0.20	280.00
32	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
33	NIB003		400	LF	Install CAT-5e Cable	2.10	840.00
PHASE 1, STAGE 6							
35	65	832008	40	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	100.00
36	80	832025	705	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,410.00
37	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
38	110	832507	1350	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	5,400.00
39	115	832033	210	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,050.00
40	120	832034	340	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,700.00
41	710	808501	3	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	2,850.00
42	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
43	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	2,200.00
44	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
45	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
46	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
47	980	837006	6	EA	Furnish & Install 12" LED Traffic Signal Head Indication Module	135.00	810.00
48	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
49	990	837011	4	EA	Realign or Slide Existing Signal Head	255.00	1,020.00
50	990	837011	5	EA	Realign or Slide Existing Signal Head	255.00	1,275.00
51	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
52	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
53	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
54	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
55	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
56	1145	823003	1	SF	Removal of Sign on Span Wire or Mast Arm	20.00	20.00
57	1235	832035	820	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	410.00
58	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
59	1265	838503	370	LF	Removal of Cable from Messenger Wire	0.20	74.00
60	1270	838504	11	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,496.00

					PHASE 1, STAGE 9		
61							
62	65	832008	250	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	625.00
63	80	832025	420	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	840.00
64	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
65	110	832507	950	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	3,800.00
66	115	832033	220	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,100.00
67	120	832034	15	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	75.00
68	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well	400.00	400.00
69	710	808501	3	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	2,850.00
70	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
71	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
72	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
73	970	837002	22	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	8,800.00
74	985	837007	7	EA	Furnish & Install Signal Head Backplate	445.00	3,115.00
75	990	837011	1	EA	Realign or Slide Existing Signal Head	255.00	255.00
76	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
77	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
78	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
79	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
80	1140	823001	1	EA	Installation of Sign on Span Wire or Mast Arm	50.00	50.00
81	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
82	1230	831011	30	LF	Removal of Conduit from Wood Pole	2.00	60.00
83	1235	832035	550	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	275.00
84	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
85	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,100.00
86	1265	838503	1350	LF	Removal of Cable from Messenger Wire	0.20	270.00
87	1270	838504	8	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,088.00
88	1275	839003	2	EA	Removal of Wood Pole	550.00	1,100.00
89	1280	840005	6	EA	Removal of Down Guy and Anchor	272.00	1,632.00
90					ULTIMATE		
91	65	832008	740	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,850.00
92	85	832026	100	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper	2.00	200.00
93	90	832027	7100	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,200.00
94	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
95	990	837011	2	EA	Realign or Slide Existing Signal Head	255.00	510.00
96	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
97	1235	832035	350	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	175.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	175,426.00

INTERSECTION # 2: **K019P, US 13 & Thomas Harmon Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 1, STAGE 3							
1							
2		999999	1	LS	Gridsmart Dual Camera Video Detection System	22750.00	22,750.00
3	2535	999621	1	EA	CDMA	1200.00	1,200.00
PHASE 1, STAGE 5							
4							
5	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
6	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
7	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
8	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
9	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
PHASE 1, STAGE 6							
10							
11	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16	8,818.16
12	2235	999501	1	EA	60' (16.8m) Steel Round Mast Arm	9468.16	9,468.16
13	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
14	2435	999601	5	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	575.00
PHASE 1, STAGE 9							
15							
16	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
17	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
18	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
19	2435	999601	3	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	345.00
ULTIMATE							
20							
21							
TOTAL TRAFFIC SUPPLY ITEMS						→	139,957.72
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	175,426.00
TOTAL TRAFFIC SUPPLY ITEMS						→ →	139,957.72
CONTINGENCIES						→ →	31,538.37
TOTAL COST						→ →	346,922.09

INTERSECTION # 3: K151, US 13 & Voshells Mill Road/Voshells Mill Star Hill Road					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 2, STAGE 3							
1							
2	305	831545	380	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
3	365	831516	530	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
4	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
5	655	830002	3	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
6	1225	830010	4	EA	Removal of Existing Junction Well		
PHASE 2, STAGE 4							
7							
8	1225	830010	6	EA	Removal of Existing Junction Well		
PHASE 2, STAGE 6							
9							
10	445	831524	20	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
11	505	831539	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (On Structure)		
12	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
PHASE 2, STAGE 7							
13							
14	15	835003	1	EA	Cabinet Base Type P		
15	305	831545	115	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
16	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
17	360	831515	85	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
18	365	831516	50	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
19	445	831524	125	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
20	505	831539	60	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (On Structure)		
21	545	831574	10	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
22	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
23	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
24	835	834002	2	EA	Pole Base Type 3A		
25	850	834005	2	EA	Pole Base Type 4A		
26	870	834008	2	EA	Sheeting for Pole Base		
27	1225	830010	5	EA	Removal of Existing Junction Well		
28	1240	834501	2	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
PHASE 2, STAGE 8							
29							
30	305	831545	155	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
31	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
32	360	831515	40	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
33	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
34	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
35	835	834002	2	EA	Pole Base Type 3A		
36	850	834005	2	EA	Pole Base Type 4A		
37	870	834008	2	EA	Sheeting for Pole Base		
38	1225	830010	3	EA	Removal of Existing Junction Well		
39	1240	834501	1	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
ULTIMATE							
40							
41	135	846001	1475	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
42	140	846002	15	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
43	670	830008	8	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 3: K151, US 13 & Voshells Mill Road/Voshells Mill Star Hill Road					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 2, STAGE 3							
1							
2	65	832008	360	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	900.00
3	110	832507	360	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,440.00
4	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
5	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
6	1235	832035	4290	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	2,145.00
7	NIB003		330	LF	Install CAT-5e Cable	2.10	693.00
8	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
9							
PHASE 2, STAGE 4							
10	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
11	990	837011	8	EA	Realign or Slide Existing Signal Head	255.00	2,040.00
12	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
13							
PHASE 2, STAGE 6							
14	80	832025	900	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,800.00
15	120	832034	505	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,525.00
16	150	832501	16	EA	Splicing of Electrical Cable Above Ground	75.00	1,200.00
17	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
18	915	841001	1	EA	Furnish & Install Weatherhead, up to 3", on Steel Pole	540.00	540.00
19	935	839502	1	EA	Furnish & Install Wood Pole, Class II (Heavy) – 50'	2100.00	2,100.00
20	990	837011	12	EA	Realign or Slide Existing Signal Head	255.00	3,060.00
21	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
22	1195	838003	1	EA	Furnish & Install Dead End Messenger Wire Attachment	500.00	500.00
23	1200	838006	1	EA	Adjustment of Span or Messenger Wire	750.00	750.00
24	1205	838008	1	EA	Transfer of Existing Span or Messenger Attachment	1000.00	1,000.00
25	1210	838009	140	LF	Removal of Messenger Wire, Cable and Hardware	1.00	140.00
26	1215	838500	1	EA	Removal of Span Wire Attachment	100.00	100.00
27	1220	840001	3	EA	Furnish & Install Down Guy and Anchor	550.00	1,650.00
28	1235	832035	150	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	75.00
29	NIB003		120	LF	Install CAT-5e Cable	2.10	252.00
30							
PHASE 2, STAGE 7							
31	65	832008	270	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	675.00
32	80	832025	300	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	600.00
33	95	832029	110	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	550.00
34	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
35	110	832507	1135	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,540.00
36	120	832034	150	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	750.00
37	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper	1.00	130.00
38	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
39	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
40	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
41	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
42	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
43	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
44	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
45	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
46	990	837011	12	EA	Realign or Slide Existing Signal Head	255.00	3,060.00
47	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
48	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
49	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
50	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
51	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
52	1235	832035	780	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	390.00
53	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
54	1255	836503	1	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	550.00
55	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
56	NIB003		120	LF	Install CAT-5e Cable	2.10	252.00

PHASE 2, STAGE 8							
57							
58	65	832008	250	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	625.00
59	80	832025	950	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,900.00
60	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
61	110	832507	1700	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	6,800.00
62	120	832034	800	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	4,000.00
63	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
64	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
65	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
66	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
67	970	837002	28	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	11,200.00
68	985	837007	9	EA	Furnish & Install Signal Head Backplate	445.00	4,005.00
69	990	837011	3	EA	Realign or Slide Existing Signal Head	255.00	765.00
70	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
71	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
72	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
73	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
74	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
75	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
76	1230	831011	30	LF	Removal of Conduit from Wood Pole	2.00	60.00
77	1235	832035	955	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	477.50
78	1250	836006	1	EA	Remove Pedestal Pole	272.00	272.00
79	1255	836503	1	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	550.00
80	1270	838504	16	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	2,176.00
81	1275	839003	1	EA	Removal of Wood Pole	550.00	550.00
82	1280	840005	3	EA	Removal of Down Guy and Anchor	272.00	816.00
83	NIB003		400	LF	Install CAT-5e Cable	2.10	840.00
84							
ULTIMATE							
85	65	832008	700	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,750.00
86	90	832027	7290	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,580.00
87	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
88	990	837011	7	EA	Realign or Slide Existing Signal Head	255.00	1,785.00
89	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
90	1235	832035	465	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	232.50
TOTAL TRAFFIC CONTRACTOR ITEMS						→	171,540.00

INTERSECTION # 3: K151, US 13 & Voshells Mill Road/Voshells Mill Star Hill Road					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	ROMMEL	ROMMEL
1					PHASE 2, STAGE 3		
2		999999	1	LS	Gridsmart Dual Camera Video Detection System	22750.00	22,750.00
3	2535	999621	1	EA	CDMA	1200.00	1,200.00
4					PHASE 2, STAGE 4		
5							
6					PHASE 2, STAGE 6		
7							
8					PHASE 2, STAGE 7		
9	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
10	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
11	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
12	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
13	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
14	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
15	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
16	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
17					PHASE 2, STAGE 8		
18	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
19	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
20	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
21	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
22					ULTIMATE		
23							
TOTAL TRAFFIC SUPPLY ITEMS						→	139,513.64
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	171,540.00
TOTAL TRAFFIC SUPPLY ITEMS						→ →	139,513.64
CONTINGENCIES						→ →	31,105.36
TOTAL COST						→ →	342,159.00

INTERSECTION # 4: **K317, US 13 & King Property**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST		TOTAL COST	
						ROMMEL	ROMMEL	ROMMEL	ROMMEL
1					PHASE 2, STAGE 3				
2	305	831545	225	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)				
3	365	831516	225	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
4	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
5	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete				
6	660	830003	2	EA	Conduit Junction Well, Type 5, 24" x 16" Precast Concrete				
7					PHASE 2, STAGE 5				
8	365	831516	185	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
9	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
10	1225	830010	1	EA	Removal of Existing Junction Well				
11					PHASE 2, STAGE 6				
12	1225	830010	4	EA	Removal of Existing Junction Well				
13					PHASE 2, STAGE 9				
14	305	831545	190	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)				
15	355	831514	75	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)				
16	360	831515	316	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)				
17	365	831516	90	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
18	440	831523	20	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)				
19	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)				
20	650	830001	8	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
21	655	830002	2	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete				
22	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well				
23	840	834003	4	EA	Pole Base Type 3B				
24	850	834005	4	EA	Pole Base Type 4A				
25	870	834008	4	EA	Sheeting for Pole Base				
26	1225	830010	10	EA	Removal of Existing Junction Well				
27	1240	834501	1	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations				
28					ULTIMATE				
29	670	830008	7	EA	Adjust or Repair Existing Conduit Junction Well				
30	135	846001	1640	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut				
TOTAL PROJECT CONTRACTOR ITEMS									

INTERSECTION # 4: K317, US 13 & King Property					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 2, STAGE 3							
1							
2	990	837011	5	EA	Realign or Slide Existing Signal Head	255.00	1,275.00
3	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
4	1235	832035	532	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	266.00
PHASE 2, STAGE 5							
6	65	832008	278	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	695.00
7	110	832507	278	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,112.00
8	1235	832035	1623	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	811.50
PHASE 2, STAGE 6							
10	115	832033	150	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	750.00
11	975	837004	6	EA	Furnish & Install 12" LED Signal Head Section Span Mount	370.00	2,220.00
12	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
13	1235	832035	1291	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	645.50
PHASE 2, STAGE 9							
15	65	832008	120	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	300.00
16	80	832025	880	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,760.00
17	95	832029	212	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	1,060.00
18	110	832507	1252	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	5,008.00
19	115	832033	844	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	4,220.00
20	120	832034	466	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,330.00
21	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper	1.00	130.00
22	150	832501	4	EA	Splicing of Electrical Cable Above Ground	75.00	300.00
23	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
24	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
25	645	835500	1	EA	Furnish & Install Additional Disconnect Switch	1300.00	1,300.00
26	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
27	885	836502	4	EA	Furnish & Install Pedestal Pole	1510.00	6,040.00
28	895	836500	4	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	6,528.00
29	910	836507	4	EA	Furnish Pedestal Pole Transformer Base	400.00	1,600.00
30	970	837002	54	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	21,600.00
31	985	837007	18	EA	Furnish & Install Signal Head Backplate	445.00	8,010.00
32	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	6,100.00
33	1000	837008	6	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	5,550.00
34	1010	837010	6	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	2,100.00
35	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
36	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
37	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
38	1235	832035	1927	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	963.50
39	1250	836006	3	EA	Remove Pedestal Pole	272.00	816.00
40	1255	836503	4	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	2,200.00
41	1270	838504	13	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,768.00
ULTIMATE							
43	65	832008	635	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,587.50
44	90	832027	7344	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,688.00
45	145	832500	23	EA	Splicing of Electrical Cable Underground	75.00	1,725.00
46	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
47	1235	832035	1110	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	555.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	116,321.00

INTERSECTION # 4: **K317, US 13 & King Property**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST		TOTAL COST	
						ROMMEL	ROMMEL	ROMMEL	ROMMEL
1					PHASE 2, STAGE 3				
2	2076	999999	2	EA	GS-3-CAM Gridsmart Fisheye Video Detection Device (includes camera and CPU)	13750.00		27,500.00	
3	2077	999999	2	EA	GS-3-SMC: Gridsmart Quick Connect Junction Box	220.00		440.00	
4	2078	999999	2	EA	GS-3-A84: Gridsmart Fisheye 84" Mounting Arm with 90 degree bend	138.00		276.00	
5	2079	999999	2	EA	GS-3-CBL: Gridsmart Cable (1000 ft min.) and Astro-Bracket Cable (AB-3009)	688.00		1,376.00	
6	2535	999621	1	EA	CDMA	1200.00		1,200.00	
7					PHASE 2, STAGE 5				
8									
9					PHASE 2, STAGE 6				
10									
11					PHASE 2, STAGE 9				
12	2180	999490	4	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68		43,542.72	
13	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56		14,028.56	
14	2250	999504	3	EA	90' (27.4m) Steel Round Mast Arm	19848.40		59,545.20	
15	2435	999601	2	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00		230.00	
16					ULTIMATE				
17									
TOTAL TRAFFIC SUPPLY ITEMS						→		148,138.48	
TOTAL PROJECT CONTRACTOR ITEMS						→	→		
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	116,321.00	
TOTAL TRAFFIC SUPPLY ITEMS						→	→	148,138.48	
CONTINGENCIES						→	→	26,445.95	
TOTAL COST						→	→	290,905.43	

INTERSECTION # S: **K128, US 13 & SR 10**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 3, STAGE 3		
2							
3					PHASE 3, STAGE 5		
4	305	831545	420	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
5	365	831516	440	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
6	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
7	655	830002	2	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
8	1225	830010	5	EA	Removal of Existing Junction Well		
9					PHASE 3, STAGE 8		
10	15	835003	1	EA	Cabinet Base Type P		
11	365	831516	15	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
12	440	831523	20	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
13	445	831524	15	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
14	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
15	505	831539	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (On Structure)		
16	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
17	1225	830010	3	EA	Removal of Existing Junction Well		
18	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
19					PHASE 3, STAGE 9		
20	305	831545	230	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
21	355	831514	20	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
22	360	831515	25	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
23	435	831564	25	LF	Furnish & Install 1-1/2" Galvanized Steel Conduit (Trench)		
24	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
25	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
26	840	834003	2	EA	Pole Base Type 3B		
27	850	834005	2	EA	Pole Base Type 4A		
28	870	834008	2	EA	Sheeting for Pole Base		
29	1225	830010	4	EA	Removal of Existing Junction Well		
30	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
31					PHASE 3, STAGE 10		
32	305	831545	130	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
33	355	831514	35	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
34	360	831515	60	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
35	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
36	835	834002	1	EA	Pole Base Type 3A		
37	840	834003	1	EA	Pole Base Type 3B		
38	850	834005	2	EA	Pole Base Type 4A		
39	870	834008	2	EA	Sheeting for Pole Base		
40	1225	830010	6	EA	Removal of Existing Junction Well		
41	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
42					ULTIMATE		
43	670	830008	6	EA	Adjust or Repair Existing Conduit Junction Well		
44	135	846001	1925	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 5: **K128, US 13 & SR 10**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 3, STAGE 3		
2	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
3					PHASE 3, STAGE 5		
4	1235	832035	2931	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,465.50
5	1270	838504	2	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	272.00
6					PHASE 3, STAGE 8		
7	65	832008	120	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	300.00
8	80	832025	900	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,800.00
9	95	832029	20	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	100.00
10	115	832033	880	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	4,400.00
11	120	832034	120	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	600.00
12	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper	1.00	130.00
13	150	832501	4	EA	Splicing of Electrical Cable Above Ground	75.00	300.00
14	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
15	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
16	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
17	880	836002	1	EA	Installation of Steel Pole (Equal to or Greater than 40')	725.00	725.00
18	935	839502	4	EA	Furnish & Install Wood Pole, Class II (Heavy) - 50'	2100.00	8,400.00
19	990	837011	18	EA	Realign or Slide Existing Signal Head	255.00	4,590.00
20	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
21	1185	838001	555	LF	Furnish & Install Span Wires, 7/16"	6.00	3,330.00
22	1210	838009	25	LF	Removal of Messenger Wire, Cable and Hardware	1.00	25.00
23	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
24	1220	840001	12	EA	Furnish & Install Down Guy and Anchor	550.00	6,600.00
25	1235	832035	2986	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,493.00
26	1245	836005	1	EA	Remove Steel Pole (Equal to or Greater than 40')	510.00	510.00
27	1255	836503	4	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	2,200.00
28	1300	847002	3	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	7,500.00
29					PHASE 3, STAGE 9		
30	65	832008	285	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	712.50
31	80	832025	495	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	990.00
32	110	832507	465	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,860.00
33	115	832033	210	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,050.00
34	120	832034	285	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,425.00
35	150	832501	2	EA	Splicing of Electrical Cable Above Ground	75.00	150.00
37	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
38	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
39	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
40	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
41	970	837002	27	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,800.00
42	985	837007	9	EA	Furnish & Install Signal Head Backplate	445.00	4,005.00
43	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
44	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
45	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
46	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
47	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
48	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00

49													
50	65	832008	465	LF	PHASE 3, STAGE 10								
51	80	832025	870	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50					1,162.50		
52	110	832507	1090	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00					1,740.00		
53	115	832033	210	LF	Furnish & Install 14/5 Traffic Control Cable	4.00					4,360.00		
54	120	832034	660	LF	Furnish & Install 14/9 Traffic Control Cable	5.00					1,050.00		
55	150	832501	2	EA	Furnish & Install 14/16 Traffic Control Cable	5.00					3,300.00		
56	710	808501	1	EA-DY	Splicing of Electrical Cable Above Ground	75.00					150.00		
57	885	836502	2	EA	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00					950.00		
58	895	836500	2	EA	Furnish & Install Pedestal Pole	1510.00					3,020.00		
59	910	836507	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00					3,264.00		
60	970	837002	27	EA	Furnish Pedestal Pole Transformer Base	400.00					800.00		
61	985	837007	9	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00					10,800.00		
62	995	844001	2	EA	Furnish & Install Signal Head Backplate	445.00					4,005.00		
63	1000	837008	3	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00					3,050.00		
64	1010	837010	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00					2,775.00		
65	1095	844526	1	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00					1,050.00		
66	1140	823001	2	EA	Relocate Video Detection Device	850.00					850.00		
67	1215	838500	4	EA	Installation of Sign on Span Wire or Mast Arm	50.00					100.00		
68	1235	832035	345	LF	Removal of Span Wire Attachment	100.00					400.00		
69	1270	838504	22	EA	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50					172.50		
70	1275	839003	4	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00					2,992.00		
71					Removal of Wood Pole	550.00					2,200.00		
72	65	832008	640	LF	ULTIMATE								
73	85	832026	150	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50					1,600.00		
74	90	832027	8065	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper	2.00					300.00		
75	145	832500	25	EA	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00					16,130.00		
76	1095	844526	2	EA	Splicing of Electrical Cable Underground	75.00					1,875.00		
77	1235	832035	520	LF	Relocate Video Detection Device	850.00					1,700.00		
					Removal of Cable from Conduit or Traffic/Lighting Pole	0.50					260.00		
TOTAL TRAFFIC CONTRACTOR ITEMS										→	160,155.00		

INTERSECTION # 5: **K128, US 13 & SR 10**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 3, STAGE 3		
2	2076	999999	2	EA	GS-3-CAM Gridsmart Fisheye Video Detection Device (includes camera and CPU)	13750.00	27,500.00
3	2077	999999	2	EA	GS-3-SMC: Gridsmart Quick Connect Junction Box	220.00	440.00
4	2078	999999	2	EA	GS-3-A84: Gridsmart Fisheye 84" Mounting Arm with 90 degree bend	138.00	276.00
5	2079	999999	2	EA	GS-3-CBL: Gridsmart Cable (1000 ft min.) and Astro-Bracket Cable (AB-3009)	688.00	1,376.00
6	2535	999621	1	EA	CDMA	1200.00	1,200.00
7					PHASE 3, STAGE 5		
8							
9					PHASE 3, STAGE 8		
10	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
11	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
12	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
13	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
14					PHASE 3, STAGE 9		
15	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
16	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
17	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
18	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
19					PHASE 3, STAGE 10		
20	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
21	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
22	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
23	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
24					ULTIMATE		
25							
TOTAL TRAFFIC SUPPLY ITEMS						→	160,499.64
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	160,155.00
TOTAL TRAFFIC SUPPLY ITEMS						→ →	160,499.64
CONTINGENCIES						→ →	32,065.46
TOTAL COST						→ →	352,720.10

INTERSECTION # 6: **K301, US 13 & Old North Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 3, STAGE 3		
2							
3					PHASE 3, STAGE 4		
4	305	831545	395	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
5	365	831516	450	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
6	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
7	655	830002	2	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
8	1225	830010	6	EA	Removal of Existing Junction Well		
9					PHASE 3, STAGE 8		
10	305	831545	120	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
11	355	831514	40	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
12	360	831515	15	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
13	365	831516	50	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
14	445	831524	40	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
15	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
16	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
17	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
18	835	834002	2	EA	Pole Base Type 3A		
19	850	834005	2	EA	Pole Base Type 4A		
20	870	834008	2	EA	Sheeting for Pole Base		
21	1225	830010	1	EA	Removal of Existing Junction Well		
22	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
23					PHASE 3, STAGE 11		
24	15	835003	1	EA	Cabinet Base Type P		
25	305	831545	195	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
26	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
27	360	831515	20	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
28	365	831516	30	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
29	440	831523	110	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
30	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
31	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
32	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
33	835	834002	2	EA	Pole Base Type 3A		
34	850	834005	2	EA	Pole Base Type 4A		
35	870	834008	2	EA	Sheeting for Pole Base		
36	1225	830010	5	EA	Removal of Existing Junction Well		
37	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
38					ULTIMATE		
39	670	830008	6	EA	Adjust or Repair Existing Conduit Junction Well		
40	135	846001	2550	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 6: K301, US 13 & Old North Road						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 3, STAGE 3							
1							
2	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
3	1235	832035	1781	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	890.50
PHASE 3, STAGE 4							
PHASE 3, STAGE 8							
7	80	832025	1384	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	2,768.00
8	115	832033	1064	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	5,320.00
9	120	832034	160	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	800.00
10	150	832501	4	EA	Splicing of Electrical Cable Above Ground	75.00	300.00
11	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
12	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
13	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
14	935	839502	2	EA	Furnish & Install Wood Pole, Class II (Heavy) - 50'	2100.00	4,200.00
15	970	837002	27	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,800.00
16	975	837004	6	EA	Furnish & Install 12" LED Signal Head Section Span Mount	370.00	2,220.00
17	985	837007	11	EA	Furnish & Install Signal Head Backplate	445.00	4,895.00
18	990	837011	8	EA	Realign or Slide Existing Signal Head	255.00	2,040.00
19	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
20	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
21	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
22	1185	838001	266	LF	Furnish & Install Span Wires, 7/16"	6.00	1,596.00
23	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
24	1220	840001	6	EA	Furnish & Install Down Guy and Anchor	550.00	3,300.00
25	1235	832035	150	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	75.00
26	1255	836503	4	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	2,200.00
PHASE 3, STAGE 11							
28	65	832008	150	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	375.00
29	80	832025	1320	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	2,640.00
30	95	832029	100	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	500.00
31	110	832507	1220	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,880.00
32	115	832033	670	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	3,350.00
33	120	832034	430	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,150.00
34	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper	1.00	130.00
35	150	832501	2	EA	Splicing of Electrical Cable Above Ground	75.00	150.00
36	630	842005	2	EA	Removal of Electric Service on Wood or Metal Pole	272.00	544.00
37	635	842501	2	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	5,050.00
38	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
39	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
40	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
41	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
42	970	837002	27	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,800.00
43	985	837007	9	EA	Furnish & Install Signal Head Backplate	445.00	4,005.00
44	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
45	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
46	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
47	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
48	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
49	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
50	1235	832035	628	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	314.00
51	1270	838504	13	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,768.00
52	1275	839003	2	EA	Removal of Wood Pole	550.00	1,100.00
53	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
ULTIMATE							
55	65	832008	645	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,612.50
56	90	832027	6500	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	13,000.00
57	145	832500	19	EA	Splicing of Electrical Cable Underground	75.00	1,425.00
58	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
59	1235	832035	750	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	375.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	130,776.00

INTERSECTION # 6: **K301, US 13 & Old North Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 3, STAGE 3		
2	2076	999999	2	EA	GS-3-CAM Gridsmart Fisheye Video Detection Device (includes camera and CPU)	13750.00	27,500.00
3	2077	999999	2	EA	GS-3-SMC: Gridsmart Quick Connect Junction Box	220.00	440.00
4	2078	999999	2	EA	GS-3-A84: Gridsmart Fisheye 84" Mounting Arm with 90 degree bend	138.00	276.00
5	2079	999999	2	EA	GS-3-CBL: Gridsmart Cable (1000 ft min.) and Astro-Bracket Cable (AB-3009)	688.00	1,376.00
6					PHASE 3, STAGE 4		
7							
8					PHASE 3, STAGE 8		
9	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
10	2245	999503	1	EA	80' (24.4m) Steel Round Mast Arm	14028.56	14,028.56
11	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
12	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
13					PHASE 3, STAGE 11		
14	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
15	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
16	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
17	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
18	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
19	2250	999504	2	EA	90' (27.4m) Steel Round Mast Arm	19848.40	39,696.80
20	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
21	2535	999621	1	EA	CDMA	1200.00	1,200.00
22					ULTIMATE		
23							
TOTAL TRAFFIC SUPPLY ITEMS						→	166,319.48
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	130,776.00
TOTAL TRAFFIC SUPPLY ITEMS						→ →	166,319.48
CONTINGENCIES						→ →	29,709.55
TOTAL COST						→ →	326,805.03

INTERSECTION # 7: **K137, US 13 & POW-MIA Parkway**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST		TOTAL COST	
						ROMMEL	ROMMEL	ROMMEL	ROMMEL
PHASE 4, STAGE 3									
1									
2	365	831516	215	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
3	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
4	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete				
5	1225	830010	3	EA	Removal of Existing Junction Well				
6									
PHASE 4, STAGE 4									
7	305	831545	360	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)				
8	365	831516	220	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
9	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
10	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete				
11	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well				
12	1225	830010	3	EA	Removal of Existing Junction Well				
13									
PHASE 4, STAGE 9									
14	305	831545	90	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)				
15	355	831514	45	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)				
16	360	831515	25	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)				
17	365	831516	55	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
18	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
19	835	834002	1	EA	Pole Base Type 3A				
20	840	834003	1	EA	Pole Base Type 3B				
21	850	834005	3	EA	Pole Base Type 4A				
22	870	834008	2	EA	Sheeting for Pole Base				
23									
PHASE 4, STAGE 10									
24	140	846002	20	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire				
25	305	831545	160	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)				
26	355	831514	20	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)				
27	360	831515	55	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)				
28	365	831516	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)				
29	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete				
30	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete				
31	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well				
32	835	834002	2	EA	Pole Base Type 3A				
33	850	834005	2	EA	Pole Base Type 4A				
34	870	834008	2	EA	Sheeting for Pole Base				
35	1225	830010	3	EA	Removal of Existing Junction Well				
36	1240	834501	3	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations				
37									
ULTIMATE									
38	135	846001	1575	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut				
39	670	830008	6	EA	Adjust or Repair Existing Conduit Junction Well				
TOTAL PROJECT CONTRACTOR ITEMS									

INTERSECTION # 7: **K137, US 13 & POW-MIA Parkway**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
3	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
4	1235	832035	4120	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	2,060.00
5	NIB003		440	LF	Install CAT-5e Cable	2.10	924.00
6	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
PHASE 4, STAGE 4							
7							
8	65	832008	15	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	37.50
9	110	832507	270	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,080.00
10	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
11	990	837011	4	EA	Realign or Slide Existing Signal Head	255.00	1,020.00
12	1235	832035	760	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	380.00
13	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
14	1270	838504	1	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	136.00
PHASE 4, STAGE 9							
15							
16	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
17	885	836502	3	EA	Furnish & Install Pedestal Pole	1510.00	4,530.00
18	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	2,200.00
19	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
20	910	836507	3	EA	Furnish Pedestal Pole Transformer Base	400.00	1,200.00
21	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
22	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
23	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
24	990	837011	8	EA	Realign or Slide Existing Signal Head	255.00	2,040.00
25	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
26	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
27	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
28	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
29	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
PHASE 4, STAGE 10							
30							
31	65	832008	630	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,575.00
32	80	832025	1025	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	2,050.00
33	105	832032	120	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	600.00
34	110	832507	2415	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	9,660.00
35	115	832033	440	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	2,200.00
36	120	832034	390	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,950.00
37	150	832501	2	EA	Splicing of Electrical Cable Above Ground	75.00	150.00
38	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
39	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
40	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	2,200.00
41	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
42	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
43	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
44	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
45	990	837011	3	EA	Realign or Slide Existing Signal Head	255.00	765.00
46	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
47	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
48	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
49	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
50	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
51	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
52	1235	832035	890	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	445.00
53	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
54	1255	836503	4	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	2,200.00
55	1270	838504	11	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,496.00
56	NIB003		500	LF	Install CAT-5e Cable	2.10	1,050.00
ULTIMATE							
57							
58	65	832008	710	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,775.00
59	90	832027	6965	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	13,930.00
60	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
61	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
62	1235	832035	450	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	225.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	139,366.50

INTERSECTION # 7: **K137, US 13 & POW-MIA Parkway**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 4, STAGE 3		
2		999999	1	LS	Gridsmart Dual Camera Video Detection System	22750.00	22,750.00
3					PHASE 4, STAGE 4		
4							
5					PHASE 4, STAGE 9		
6	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16	8,818.16
7	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
8	2235	999501	1	EA	60' (16.8m) Steel Round Mast Arm	9468.16	9,468.16
9	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
10	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
11					PHASE 4, STAGE 10		
12	2051	999428	1	EA	M-60 ATC Controller DeIDOT SEPAC software (controller conversion only - not full cabinet)	4037.00	4,037.00
13	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16	8,818.16
14	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
15	2235	999501	1	EA	60' (16.8m) Steel Round Mast Arm	9468.16	9,468.16
16	2250	999504	1	EA	90' (27.4m) Steel Round Mast Arm	19848.40	19,848.40
17	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
18					ULTIMATE		
19							
TOTAL TRAFFIC SUPPLY ITEMS						→	125,747.80
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	139,366.50
TOTAL TRAFFIC SUPPLY ITEMS						→ →	125,747.80
CONTINGENCIES						→ →	26,511.43
TOTAL COST						→ →	291,625.73

INTERSECTION # 8: **K328, US 13 & Governors Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2	305	831545	170	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
3	355	831514	20	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
4	365	831516	195	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
5	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
6	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
7	855	834511	1	EA	Pole Base Type 4B		
8							
PHASE 4, STAGE 5							
9	15	835003	1	EA	Cabinet Base Type P		
10	305	831545	185	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
11	355	831514	15	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
12	360	831515	5	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
13	365	831516	220	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
14	440	831523	50	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
15	545	831574	10	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
16	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
17	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
18	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
19	840	834003	2	EA	Pole Base Type 3B		
20	850	834005	1	EA	Pole Base Type 4A		
21	870	834008	2	EA	Sheeting for Pole Base		
22							
PHASE 4, STAGE 6							
23	305	831545	230	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
24	365	831516	250	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
25	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
26	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
27	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well		
28							
PHASE 4, STAGE 9							
29	305	831545	65	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
30	355	831514	55	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
31	365	831516	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
32	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
33	840	834003	2	EA	Pole Base Type 3B		
34	850	834005	4	EA	Pole Base Type 4A		
35	870	834008	2	EA	Sheeting for Pole Base		
36							
ULTIMATE							
37	135	846001	985	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
38	140	846002	30	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
39	670	830008	7	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 8: **K328, US 13 & Governors Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
3							
PHASE 4, STAGE 5							
4	65	832008	630	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,575.00
5	80	832025	370	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	740.00
6	95	832029	50	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	250.00
7	105	832032	20	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	100.00
8	110	832507	1035	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,140.00
9	120	832034	250	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,250.00
10	125	832504	50	LF	Furnish & Install #8 THHN Stranded Copper	1.00	50.00
11	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
12	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
13	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
14	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	2,200.00
15	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
16	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
17	970	837002	33	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	13,200.00
18	985	837007	11	EA	Furnish & Install Signal Head Backplate	445.00	4,895.00
19	990	837011	11	EA	Realign or Slide Existing Signal Head	255.00	2,805.00
20	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
21	1000	837008	1	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	925.00
22	1010	837010	1	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	350.00
23	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
24	1300	847002	1	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	2,500.00
25							
26							
27							
PHASE 4, STAGE 9							
28	65	832008	735	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,837.50
29	80	832025	590	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,180.00
30	105	832032	80	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	400.00
31	110	832507	2050	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	8,200.00
32	115	832033	480	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	2,400.00
33	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
34	885	836502	4	EA	Furnish & Install Pedestal Pole	1510.00	6,040.00
35	890	836504	2	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	4,400.00
36	910	836507	4	EA	Furnish Pedestal Pole Transformer Base	400.00	1,600.00
37	970	837002	16	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	6,400.00
38	985	837007	5	EA	Furnish & Install Signal Head Backplate	445.00	2,225.00
39	990	837011	10	EA	Realign or Slide Existing Signal Head	255.00	2,550.00
40	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
41	1000	837008	4	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	3,700.00
42	1010	837010	4	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,400.00
43	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
44	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
45	NIB003		660	LF	Install CAT-5e Cable	2.10	1,386.00
46							
ULTIMATE							
47	65	832008	350	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	875.00
48	90	832027	7050	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,100.00
49	670	830008	7	EA	Adjust or Repair Existing Conduit Junction Well	400.00	2,800.00
50	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
51	990	837011	3	EA	Realign or Slide Existing Signal Head	255.00	765.00
52	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
53	1235	832035	590	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	295.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	135,090.50

INTERSECTION # 8: **K328, US 13 & Governors Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1					PHASE 4, STAGE 3		
2							
3					PHASE 4, STAGE 5		
4	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
5	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
6	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
7	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
8	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16	8,818.16
9	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10,885.68
10	2225	999499	2	EA	50' (15.2m) Steel Round Mast Arm	7941.44	15,882.88
11	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12,776.40
12	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
13					PHASE 4, STAGE 6		
14							
15					PHASE 4, STAGE 9		
16		999999	1	LS	Gridsmart Dual Camera Video Detection System	23550.00	23,550.00
17	2175	999489	2	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16	17,636.32
18	2225	999499	2	EA	50' (15.2m) Steel Round Mast Arm	7941.44	15,882.88
19	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
20					ULTIMATE		
21							
TOTAL TRAFFIC SUPPLY ITEMS						→	123,843.32
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	135,090.50
TOTAL TRAFFIC SUPPLY ITEMS						→ →	123,843.32
CONTINGENCIES						→ →	25,893.38
TOTAL COST						→ →	284,827.20

INTERSECTION # 9: **K118, US 13 & Webbs Lane**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2							
3							
PHASE 4, STAGE 7							
4	15	835003	1	EA	Cabinet Base Type P		
5	305	831545	645	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
6	360	831515	20	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
7	365	831516	470	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
8	440	831523	45	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
9	445	831524	30	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
10	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
11	545	831574	10	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
12	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
13	655	830002	3	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
14	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well		
15	835	834002	1	EA	Pole Base Type 3A		
16	870	834008	1	EA	Sheeting for Pole Base		
17	1225	830010	12	EA	Removal of Existing Junction Well		
18	1240	834501	1.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
19							
PHASE 4, STAGE 9							
20	1225	830010	3	EA	Removal of Existing Junction Well		
21	1240	834501	0.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
22							
PHASE 4, STAGE 12							
23	305	831545	150	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
24	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
25	360	831515	20	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
26	650	830001	3	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
27	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
28	835	834002	2	EA	Pole Base Type 3A		
29	850	834005	2	EA	Pole Base Type 4A		
30	870	834008	2	EA	Sheeting for Pole Base		
31	1225	830010	7	EA	Removal of Existing Junction Well		
32	1240	834501	1	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
33							
PHASE 4, STAGE 13							
34	305	831545	345	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
35	355	831514	40	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
36	360	831515	10	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
37	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
38	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
39	670	830008	1	EA	Adjust or Repair Existing Conduit Junction Well		
40	835	834002	1	EA	Pole Base Type 3A		
41	850	834005	3	EA	Pole Base Type 4A		
42	870	834008	1	EA	Sheeting for Pole Base		
43	1225	830010	6	EA	Removal of Existing Junction Well		
44	1240	834501	2.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
45							
ULTIMATE							
46	135	846001	1455	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
47	140	846002	25	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
48	670	830008	6	EA	Adjust or Repair Existing Conduit Junction Well		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 9: K118, US 13 & Webbs Lane					UNIT COST	TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
3	1070	844521	2	EA	Install Video Detection Device	565.00	1,130.00
4	1235	832035	3905	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,952.50
5	NIB003		350	LF	Install CAT-5e Cable	2.10	735.00
6	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
PHASE 4, STAGE 7							
7							
8	65	832008	20	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	50.00
9	80	832025	765	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,530.00
10	95	832029	30	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	150.00
11	115	832033	935	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	4,675.00
12	120	832034	485	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,425.00
13	125	832504	200	LF	Furnish & Install #8 THHN Stranded Copper	1.00	200.00
14	150	832501	20	EA	Splicing of Electrical Cable Above Ground	75.00	1,500.00
15	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
16	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
17	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
18	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
19	990	837011	9	EA	Realign or Slide Existing Signal Head	255.00	2,295.00
20	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
21	1235	832035	4230	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	2,115.00
22	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
23	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
24	NIB003		80	LF	Install CAT-5e Cable	2.10	168.00
PHASE 4, STAGE 9							
25							
26	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
27	975	837004	12	EA	Furnish & Install 12" LED Signal Head Section Span Mount	370.00	4,440.00
28	990	837011	2	EA	Realign or Slide Existing Signal Head	255.00	510.00
29	990	837011	5	EA	Realign or Slide Existing Signal Head	255.00	1,275.00
30	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
31	1270	838504	4	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	544.00
PHASE 4, STAGE 12							
32							
33	65	832008	440	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,100.00
34	80	832025	830	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	1,660.00
35	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
36	110	832507	1745	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	6,980.00
37	115	832033	230	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,150.00
38	120	832034	410	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	2,050.00
39	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
40	885	836502	2	EA	Furnish & Install Pedestal Pole	1510.00	3,020.00
41	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
42	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	400.00	800.00
43	935	839502	1	EA	Furnish & Install Wood Pole, Class II (Heavy) - 50'	2100.00	2,100.00
44	970	837002	25	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,000.00
45	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
46	990	837011	13	EA	Realign or Slide Existing Signal Head	255.00	3,315.00
47	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
48	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
49	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
50	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
51	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
52	1195	838003	1	EA	Furnish & Install Dead End Messenger Wire Attachment	500.00	500.00
53	1200	838006	1	EA	Adjustment of Span or Messenger Wire	750.00	750.00
54	1205	838008	1	EA	Transfer of Existing Span or Messenger Attachment	1000.00	1,000.00
55	1215	838500	1	EA	Removal of Span Wire Attachment	100.00	100.00
56	1220	840001	3	EA	Furnish & Install Down Guy and Anchor	550.00	1,650.00
57	1235	832035	765	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	382.50
58	1250	836006	2	EA	Remove Pedestal Pole	272.00	544.00
59	1255	836503	1	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	550.00
60	NIB003		410	LF	Install CAT-5e Cable	2.10	861.00

61					PHASE 4, STAGE 13		
62	65	832008	270	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	675.00
63	80	832025	435	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	870.00
64	105	832032	60	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	300.00
65	110	832507	1125	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	4,500.00
66	115	832033	210	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	1,050.00
67	120	832034	240	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,200.00
68	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
69	885	836502	3	EA	Furnish & Install Pedestal Pole	1510.00	4,530.00
70	895	836500	2	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	3,264.00
71	910	836507	3	EA	Furnish Pedestal Pole Transformer Base	400.00	1,200.00
72	970	837002	28	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	11,200.00
73	985	837007	8	EA	Furnish & Install Signal Head Backplate	445.00	3,560.00
74	990	837011	6	EA	Realign or Slide Existing Signal Head	255.00	1,530.00
75	995	844001	2	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	3,050.00
76	1000	837008	3	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	2,775.00
77	1010	837010	3	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,050.00
78	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
79	1140	823001	2	EA	Installation of Sign on Span Wire or Mast Arm	50.00	100.00
80	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
81	1235	832035	810	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	405.00
82	1250	836006	1	EA	Remove Pedestal Pole	272.00	272.00
83	1255	836503	3	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,650.00
84	1270	838504	17	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	2,312.00
85	1275	839003	1	EA	Removal of Wood Pole	550.00	550.00
86	1280	840005	3	EA	Removal of Down Guy and Anchor	272.00	816.00
87	NIB003		50	LF	Install CAT-5e Cable	2.10	105.00
88					ULTIMATE		
89	65	832008	705	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,762.50
90	90	832027	7380	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	14,760.00
91	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
92	990	837011	9	EA	Realign or Slide Existing Signal Head	255.00	2,295.00
93	1095	844526	4	EA	Relocate Video Detection Device	850.00	3,400.00
94	1235	832035	400	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	200.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	186,460.50

INTERSECTION # 9: **K118, US 13 & Webbs Lane**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2		999999	1	LS	Gridsmart Dual Camera Video Detection System	22750.00	22,750.00
3	2535	999621	1	EA	CDMA	1200.00	1,200.00
PHASE 4, STAGE 7							
4							
5	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13,950.00
6	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
7	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
8	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
PHASE 4, STAGE 9							
9							
PHASE 4, STAGE 12							
10							
11							
12	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
13	2245	999503	2	EA	80' (24.4m) Steel Round Mast Arm	14028.56	28,057.12
14	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
PHASE 4, STAGE 13							
15							
16	2180	999490	2	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	21,771.36
17	2245	999503	2	EA	80' (24.4m) Steel Round Mast Arm	14028.56	28,057.12
18	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
ULTIMATE							
19							
20							
TOTAL TRAFFIC SUPPLY ITEMS						→	142,017.96
TOTAL PROJECT CONTRACTOR ITEMS						→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS						→ →	186,460.50
TOTAL TRAFFIC SUPPLY ITEMS						→ →	142,017.96
CONTINGENCIES						→ →	32,847.85
TOTAL COST						→ →	361,326.31

INTERSECTION # 10: **K241, US 13 & Puncheon Run Connector**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1					Removal of Existing Junction Well		
2	1225	830010	2	EA			
3							
PHASE 4, STAGE 8							
4	305	831545	340	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
5	365	831516	410	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
6	650	830001	2	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
7	655	830002	2	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
8	1225	830010	3	EA	Removal of Existing Junction Well		
9							
PHASE 4, STAGE 9							
10	15	835003	1	EA	Cabinet Base Type P		
11	305	831545	205	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
12	360	831515	70	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
13	365	831516	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
14	440	831523	30	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
15	545	831574	20	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
16	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
17	655	830002	2	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
18	835	834002	1	EA	Pole Base Type 3A		
19	840	834003	1	EA	Pole Base Type 3B		
20	870	834008	2	EA	Sheeting for Pole Base		
21	1225	830010	3	EA	Removal of Existing Junction Well		
22	1240	834501	3	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations		
23							
ULTIMATE							
24	140	846002	60	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
25	670	830008	5	EA	Adjust or Repair Existing Conduit Junction Well		
26	135	846001	795	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 10: **K241, US 13 & Puncheon Run Connector**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
PHASE 4, STAGE 3							
1							
2	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
3	990	837011	4	EA	Realign or Slide Existing Signal Head	255.00	1,020.00
4	1070	844521	1	EA	Install Video Detection Device	565.00	565.00
5	1235	832035	2735	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	1,367.50
6	NIB003		80	LF	Install CAT-5e Cable	2.10	168.00
7	NIB053		2	LS	MOT Devices and Deployment	7000.00	14,000.00
8							
PHASE 4, STAGE 8							
9	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
10	990	837011	2	EA	Realign or Slide Existing Signal Head	255.00	510.00
11	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
12							
PHASE 4, STAGE 9							
13	65	832008	710	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,775.00
14	80	832025	1400	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.00	2,800.00
15	95	832029	35	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	175.00
16	110	832507	575	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	2,300.00
17	115	832033	670	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	3,350.00
18	120	832034	260	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	1,300.00
19	125	832504	35	LF	Furnish & Install #8 THHN Stranded Copper	1.00	35.00
20	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	272.00	272.00
21	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
22	710	808501	2	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	1,900.00
23	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	2,200.00
24	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	1632.00	1,632.00
25	970	837002	27	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	10,800.00
26	985	837007	2	EA	Furnish & Install Signal Head Backplate	445.00	890.00
27	995	844001	3	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	4,575.00
28	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
29	1215	838500	4	EA	Removal of Span Wire Attachment	100.00	400.00
30	1235	832035	455	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	227.50
31	1255	836503	3	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	550.00	1,650.00
32	1270	838504	11	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	1,496.00
33	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
34	NIB003		285	LF	Install CAT-5e Cable	2.10	598.50
35							
ULTIMATE							
36	65	832008	450	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,125.00
37	90	832027	5925	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	11,850.00
38	145	832500	13	EA	Splicing of Electrical Cable Underground	75.00	975.00
39	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	950.00	950.00
40	1095	844526	2	EA	Relocate Video Detection Device	850.00	1,700.00
41	1235	832035	235	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	117.50
TOTAL TRAFFIC CONTRACTOR ITEMS						→	83,849.00

INTERSECTION # 10: **K241, US 13 & Puncheon Run Connector**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST		TOTAL COST	
						ROMMEL	ROMMEL	ROMMEL	ROMMEL
1					PHASE 4, STAGE 3				
2		999999	1	LS	Gridsmart Camera Video Detection System	19750.00		19,750.00	
3	2535	999621	1	EA	CDMA	1200.00		1,200.00	
4					PHASE 4, STAGE 8				
5					PHASE 4, STAGE 9				
6					PHASE 4, STAGE 9				
7	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00		13,950.00	
8	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00		550.00	
9	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00		240.00	
10	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00		2,751.00	
11	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2 - 60' Arms)	8818.16		8,818.16	
12	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68		10,885.68	
13	2220	999498	1	EA	45' (13.7m) Steel Round Mast Arm	7770.88		7,770.88	
14	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40		12,776.40	
15					ULTIMATE				
16									
TOTAL TRAFFIC SUPPLY ITEMS						→			78,692.12
TOTAL PROJECT CONTRACTOR ITEMS						→	→		
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→		83,849.00
TOTAL TRAFFIC SUPPLY ITEMS						→	→		78,692.12
CONTINGENCIES						→	→		16,254.11
TOTAL COST						→	→		178,795.23

MULTIPLE INTERSECTION SUMMARY

Intersection #1:	K284, US13 & Lochmeath Way	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	181,653.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	138,261.48
		CONTINGENCIES	→	→	31,991.50
Intersection #2:	K019P, US 13 & Thomas Harmon Drive	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	175,426.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	139,957.72
		CONTINGENCIES	→	→	31,538.37
Intersection #3:	K151, US 13 & Voshells Mill Road/Voshells Mill Star Hill Road	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	171,540.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	139,513.64
		CONTINGENCIES	→	→	31,105.36
Intersection #4:	K317, US 13 & King Property	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	116,321.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	148,138.48
		CONTINGENCIES	→	→	26,445.95
Intersection #5:	K128, US 13 & SR 10	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	160,155.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	160,499.64
		CONTINGENCIES	→	→	32,065.46
Intersection #6:	K301, US 13 & Old North Road	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	130,776.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	166,319.48
		CONTINGENCIES	→	→	29,709.55
Intersection #7:	K137, US 13 & POW-MIA Parkway	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	139,366.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	125,747.80
		CONTINGENCIES	→	→	26,511.43
Intersection #8:	K328, US 13 & Governors Avenue	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	135,090.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	123,843.32
		CONTINGENCIES	→	→	25,893.38
Intersection #9:	K118, US 13 & Webbs Lane	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	186,460.50
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	142,017.96
		CONTINGENCIES	→	→	32,847.85
Intersection #10:	K241, US 13 & Puncheon Run Connector	TOTAL PROJECT CONTRACTOR ITEMS	→	→	
		TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	83,849.00
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	78,692.12
		CONTINGENCIES	→	→	16,254.11
		TOTAL	→	→	3,127,992.60

G:\Projects\145013.00 (DelDOT Agrmt 1705 DOTS Open-End)\145013.01 (Task 1.US13 Widening)\PROJECT CONSTRUCTION PHASE\Bidding and Cost Estimates\Traffic\T201500202_US13_TS.xlsx\Signals

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC ITMS ESTIMATE

HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

CONTRACT #	T201500202
F.A.P. #	ESTP-K024(16)
PROJECT:	HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

					ITMS	UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL
1	5	835001	1	EA	Cabinet Base Type F		
2	15	835003	4	EA	Cabinet Base Type P		
3	305	831545	13675	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
4	360	831515	45	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
5	365	831516	8140	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
6	440	831523	100	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
7	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
8	545	831574	75	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut		
9	655	830002	38	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete		
10	665	830004	13	EA	Conduit Junction Well, Type 7, 36" x 60" Precast Polymer Concrete		
11	670	830008	3	EA	Adjust or Repair Existing Conduit Junction Well		
12	830	834001	3	EA	Pole Base Type 3		
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TOTAL PROJECT CONTRACTOR ITEMS							0.00

ITMS

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL	
1	95	832029	180	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	900.00	
2	125	832504	115	LF	Furnish & Install #8 THHN Stranded Copper	1.00	115.00	
3	635	842501	5	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	12,625.00	
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TOTAL TRAFFIC CONTRACTOR ITEMS								13,640.00

ITMS

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	ROMMEL	ROMMEL
1	####	999426	5	EA	Camera Cabinet	2416.00	12,080.00
2	####	999427	5	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	2,750.00
3	####	999458	5	EA	Patch Cables (One Per Cabinet)	240.00	1,200.00
4	####	999534	3	EA	75' (22.9m) CCTV Camera Pole	9972.48	29,917.44
5	####	999612	3	EA	Camera (Includes Lowering Device, Controller, and Video Encoder)	12461.00	37,383.00
6	####	999613	3	EA	Strain Pole Camera Mounting Adapter (Includes Cable Assembly)	741.00	2,223.00
7	####	999620	1	EA	Outside Plant-Fiber Optic Installation, Statewide	348094.40	348,094.40
8	####	999623	5	EA	Camera/RWIS/Bluetooth Comm - AC Power	2000.00	10,000.00
9	####	999625	13	EA	Fiber Modem (Ruggedcom)	2370.25	30,813.25
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TOTAL TRAFFIC SUPPLY ITEMS 474,461.09

TOTAL PROJECT CONTRACTOR ITEMS	0.00
TOTAL TRAFFIC CONTRACTOR ITEMS	13,640.00
TOTAL TRAFFIC SUPPLY ITEMS	474,461.09
CONTINGENCIES	48,810.11
TOTAL COST	536,911.20

DELAWARE DEPARTMENT OF TRANSPORTATION
HIGHWAY LIGHTING ESTIMATE
HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

CONTRACT #: T201500202
F.A.P. #: ESTP-K024(16)
PROJECT: HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

							TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL	
1	20	835004	13	EA	Cabinet Base Type R			
2	30	847004	13	EA	Lighting Control and Distribution Enclosure (120/240; 100 AMP)			
3	300	831544	12545	LF	Furnish & Install 3" HDPE SDR-13.5 Conduit (Bore)			
4	305	831545	910	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)			
5	360	831515	22670	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)			
6	365	831516	620	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)			
7	440	831523	275	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)			
8	500	831538	390	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)			
9	545	831574	210	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut			
10	650	830001	56	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete			
11	655	830002	13	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete			
12	860	834006	228	EA	Pole Base Type 6			
13	1320	850517	231	EA	Installation of Luminaire			
14	1330	850521	231	EA	Luminaire (LED), 250 Watts HPS Equivalent			
15	1370	851003	228	EA	Aluminum Lighting Standard with Single Davit Arm, 40' Pole			
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TOTAL PROJECT CONTRACTOR ITEMS								

							TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL	
1	40	832002	1023	LF	Furnish & Install 1-Conductor #3/0 AWG Stranded Copper	8.00	8,184.00	
2	65	832008	88418	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	221,045.00	
3	75	832010	15720	LF	Furnish & Install 1-Conductor #10 AWG Stranded Copper	0.50	7,860.00	
4	130	832505	40530	LF	Furnish & Install #6 AWG Solid Copper Wire	2.00	81,060.00	
5	145	832500	2	EA	Splicing of Electrical Cable Underground	75.00	150.00	
6	150	832501	228	EA	Splicing of Electrical Cable Above Ground	75.00	17,100.00	
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TOTAL TRAFFIC CONTRACTOR ITEMS								335,399.00

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	TOTAL COST	
						ROMMEL	ROMMEL
1	2040	999425	13	EA	Cabinet (Lighting - Includes Power Strip and Surestor)	1598.00	20,774.00
2	2050	999427	13	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	7,150.00
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TOTAL TRAFFIC SUPPLY ITEMS							27,924.00

TOTAL PROJECT CONTRACTOR ITEMS	
TOTAL TRAFFIC CONTRACTOR ITEMS	335,399.00
TOTAL TRAFFIC SUPPLY ITEMS	27,924.00
CONTINGENCIES	36,332.30
TOTAL COST	399,655.30

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC ROADWAY SIGNING ESTIMATE
HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

CONTRACT #: T201500202
 F.A.P. #: ESTP-K024(16)
 PROJECT: HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

PROJECT LOCATION: **HEP KC, US 13, Lochmeath Way to Puncheon Run Connector**

LINE	ITEM #	QTY	DESCRIPTION - PROJECT CONTRACTOR ITEMS	UOM
1	819018	1106	INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON SINGLE SIGN POST	EA
2	819016	5	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" IN DEPTH	EA
3	819017	1	INSTALLATION OF 4" DIAMETER HOLE, GREATER THAN 6" IN DEPTH	EA
4	819019	2098	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS	SF

LINE	CODE #	QTY	SIGNING DESCRIPTION	SIZE	UNIT COST	TOTAL COST
5	X13		SALARY, OVER-TIME	EA-HR	40.00	
6	X14		SIGNFIX (FOR ANY SIGN WITH FLASHING BEACONS)	EACH	56.00	
7	X11	475	12' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	34.02	16,159.50
7A	X11A	0	15' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	50.00	-
7B	X11B	4255	FLAT SHEET ALUMINUM SIGN PANELS	SF	12.50	53,183.59
8	X12		6' DELINEATOR POST (W/ BOLT & ETC.)	EACH	5.00	
	X15		Miscellaneous Roadway Signing Fee	EACH	1000.00	

TRAFFIC ONLY PROJECT						
9	X1		Installation of Sign Posts, 9', 10', 11', 12' in Unpaved Area or Existing Holes	EACH	26.00	
10	X2		Installation of 4" dia. Hole in Pavement or Concrete	EACH	52.00	
11	X3		Installation of 4" dia. Hole, in Excess of 6" per ea. additional inch drilled in Pavement	EACH	\$52.75	
12	X4		Installation of Street Name Signs	EACH	\$26.38	
13	X5		Installation of Signs (Two or More Mounting Holes)	S/F	2.75	
14	X6		Sets, Installation of Sign Bands and Buckles	EACH	52.75	
15	X7		Removal of Traffic Signs	EACH	26.38	
16	X8		Removal of Street Name Signs	EACH	26.38	
17	X9		Removal of Sign Posts	EACH	1.00	
18	X10		Straightening of Sign Posts	EACH	17.00	
19						

TOTAL FOR LABOR 0.00

TOTAL FOR SIGNING MATERIALS	69,343.09
TOTAL FOR LABOR	0.00
CONTINGENCIES	6,934.31
TOTAL ROADSIDE SIGNING COST	\$76,277.40

PERMANENT SIGN SCHEDULE																					
#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
890	SS-1	1	W3-5(48)	2	SPEED REDUCTION (Symbol) - 48x48	48	48	32.0				NEW		32.0						"45"	
67	SS-1	2A	R2-1-55(36)	2	SPEED LIMIT (55 MPH - 36x48)	36	48					REMOVE	24.0								
1447	SS-1	2B	W21-12P-DE	2	STRICTLY ENFORCED (plaque)	36	24					REMOVE	12.0								
1680	SS-1	3A	D3-1-DE1	1	PRIVATE STREET NAME	24	18		REMAIN											"SOUTH SIDE DR"	
2	SS-1	3B	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1											
4	SS-1	3C	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1										
67	SS-1	4	R2-1-55(36)	2	SPEED LIMIT (55 MPH - 36x48)	36	48	24.0				NEW									
59	SS-1	5	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0				NEW									
252	SS-1	6	R3-20-DE	1	TURN LANE	18	18														
8	SS-2	1	R1-2(36)	1	YIELD	36	36		REMAIN												
9	SS-2	2	R1-2(48)	1	YIELD	48	48	6.9	REMOVE	1										Install on a single post	
394	SS-2	3	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
394	SS-2	4	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	NEW		1										
8	SS-2	5	R1-2(36)	1	YIELD	36	36		REMOVE	1											
9	SS-2	6	R1-2(48)	1	YIELD	48	48	6.9	NEW		1									Install on a single post	
252	SS-2	7	R3-20-DE	1	TURN LANE	18	18		REMOVE	1											
252	SS-2	8	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1										
394	SS-2	9	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
394	SS-2	10	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	NEW		1										
1962	SS-2	11	OM3-R(B)	1	TYPE 3 OBJECT MARKER (Bike path)	5	18		REMOVE	1											
1107	SS-3	1	W9-2-DE R(36)	1	LANE ENDS (Right Arrows) - 36x36	36	36	9.0	NEW		1										
1671	SS-3	2A	D3-1(6)	2	STREET NAME (1 Line)	24	6		REMOVE	2										"WORSHIP LANE"	
3	SS-3	2B	R1-1(30)	1	STOP	30	30		REMOVE	1											
1675	SS-3	3A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	NEW		2									"Worship Ln" Hwy C, 8'6"	
4	SS-3	3B	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1										
424	SS-4	1	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1											
424	SS-4	2	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1										
909	SS-4	3	W4-2 L(36)	1	LANE ENDS (Left) - 36x36	36	36	9.0	NEW		1										
424	SS-4	4	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1											
424	SS-4	5	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1										
252	SS-4	6	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1										
59	SS-4	7A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW									
59	SS-4	7B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW									
424	SS-4	8A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1										
1694	SS-4	8B	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									No current route passing	
424	SS-4	9	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1											
1671	SS-4	10A	D3-1(6)	2	STREET NAME (1 Line)	24	6		REMOVE	2										"LESLIE DR"	
3	SS-4	10B	R1-1(30)	1	STOP	30	30		REMOVE	1											
1675	SS-4	11A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	36	18	9.0	NEW		2									"Leslie Dr" Hwy C, 8'6"	
4	SS-4	11B	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1										
623	SS-4	12	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36	6.0	NEW		1										
623	SS-4	13	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMOVE	1											
4	SS-4	14	R1-1(36)	1	STOP	36	36	7.5	NEW		1										
3	SS-4	15	R1-1(30)	1	STOP	30	30		REMOVE	1											
878	SS-4	16A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0								
1367	SS-4	16B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9		REMOVE	1										"LOCHMEATH WAY"	
878	SS-4	17A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW									
1367a	SS-4	17B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	3.0				ADD TO ASSEMBLY								"Lochmeath Way" Hwy C, 4"	
878	SS-4	18	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0								
878	SS-4	19A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW									
1367a	SS-4	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	3.0				ADD TO ASSEMBLY								"Lochmeath Way" Hwy C, 4"	
1966	SS-5	1A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1										
1981	SS-5	1B	S4-3P(24)	1	SCHOOL - 24x8	24	8	1.3	ADD TO ASSEMBLY		1										
1965	SS-5	2A	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMOVE	1											
1981	SS-5	2B	S4-3P(24)	1	SCHOOL - 24x8	24	8		REMOVE	1											
424	SS-5	3A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1										
1872	SS-5	3B	D14-3-DE	1	ADOPT A HIGHWAY	24	18	3.0	NEW		1									"SOUTHSIDE BAPTIST RAK MINISTRY" Hwy D, 2"	
424	SS-5	4A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1											
	SS-5	4B		1	ADOPT A HIGHWAY	18	12		REMOVE	1											
	SS-5	4C		1	ACKNOWLEDGEMENT - 18x12	18	12		REMOVE	1											"SOUTHSIDE BAPTIST RAK MINISTRY"
PAGE TOTALS								267						68	142			39	0	0	0

PERMANENT SIGN SCHEDULE																					
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
3	SS-5	5	R1-1(30)	1	STOP	30	30		REMOVE	1											
4	SS-5	6	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
9	SS-5	7	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post	
7	SS-5	8	R1-2(30)	1	YIELD	30	30		REMOVE	1										Sign is mounted on Signal pole	
311	SS-5	9	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1											
406	SS-5	10A	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	ADD TO ASSEMBLY		1										
392	SS-5	10B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
394	SS-5	10C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
406	SS-5	11A	R6-3(30)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW					NEW CONCRETE	1						
492	SS-5	11B	R6-1 R(36)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMOVE	1											
392	SS-5	11C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
1673	SS-5	11C	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"Lochmeath Way"	
1673	SS-5	11D	D3-1(9)	2	STREET NAME (1 Line)	42	9		REMOVE	2										"S Dupont Hwy"	
394	SS-5	11E	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
311	SS-5	11F	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1											
9	SS-5	12	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post	
7	SS-5	13	R1-2(30)	1	YIELD	30	30		REMOVE	1										Sign is mounted on Signal pole	
1827	SS-5	14	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2- Digit) - 12x48	12	48		REMOVE	1										"45.0"	
1824	SS-5	15	D10-2(12)	1	REFERENCE LOCATION (2- Digit) - 12x36	12	36	3.0	NEW		1			SOIL	1					"45"	
311	SS-5	16	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1											
1104	SS-5	17	W9-2 R(36)	1	LANE ENDS MERGE RIGHT - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1						
311	SS-5	18	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
4	SS-5	19	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
8	SS-5	20	R1-2(36)	1	YIELD	36	36		REMOVE	1											
9	SS-5	21	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post	
870	SS-5	22	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18		REMOVE	1											
871	SS-5	23A	W3-1(30)	1	STOP AHEAD (Symbol) - 30x30	30	30	6.3	NEW		1			SOIL	1						
1367	SS-5	23B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									"Peachtree Run Hwy C, 4"	
1675	SS-5	24A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Lochmeath Way Hwy B, 8'/6"	
1675	SS-5	24B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Peachtree Run Hwy B, 8'/6"	
4	SS-5	24C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
18	SS-5	24D	R1-3P(18)	1	ALL WAY(plaque)	18	6	0.8	ADD TO ASSEMBLY		1										
1673	SS-5	25A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Lochmeath Way"	
1673	SS-5	25B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Peachtree run"	
4	SS-5	25C	R1-1(36)	1	STOP	36	36		REMOVE	1											
18	SS-5	25D	R1-3P(18)	1	ALL WAY(plaque)	18	6		REMOVE	1											
54	SS-5	26	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	24	30		REMAIN												
1673	SS-5	27A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Peachtree Run"	
4	SS-5	27B	R1-1(36)	1	STOP	36	36		REPOSITION	1	1										
18	SS-5	27C	R1-3P(18)	1	ALL WAY(plaque)	18	6		REPOSITION	1	1										
1694	SS-5	27D	D4-3-DE	1	BUS STOP (DART)	12	18		REPOSITION	1	1									"117"	
1673	SS-5	28A	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"Lochmeath Way"	
4	SS-5	28B	R1-1(36)	1	STOP	36	36		REMOVE	1											
18	SS-5	28C	R1-3P(18)	1	ALL WAY(plaque)	18	6		REMOVE	1											
1675	SS-5	29A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Lochmeath Way Hwy B, 8'/6"	
1675	SS-5	29B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Peachtree Run Hwy B, 8'/6"	
4	SS-5	29C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
18	SS-5	29D	R1-3P(18)	1	ALL WAY(plaque)	18	6	0.8	ADD TO ASSEMBLY		1										
4	SS-5	30A	R1-1(36)	1	STOP	36	36		REMOVE	1											
18	SS-5	30B	R1-3P(18)	1	ALL WAY(plaque)	18	6		REMOVE	1											
1694	SS-5	30C	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										"117"	
4	SS-5	31A	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
18	SS-5	31B	R1-3P(18)	1	ALL WAY(plaque)	18	6	0.8	ADD TO ASSEMBLY		1										
1694	SS-5	31C	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									"117"	
876	SS-5	32	W3-3(18)	1	SIGNAL AHEAD (Symbol) - 18x18	18	18		REMOVE	1											
877	SS-5	33A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30	6.3	NEW		1			SOIL	1						
1367	SS-5	33B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									"S Dupont Hwy Hwy C, 4"	
394	SS-5	34A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
392	SS-5	34B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
406	SS-5	34C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW					SOIL	1						
1673	SS-5	35A	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"Lochmeath Way"	
1673	SS-5	35B	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"S Dupont Hwy"	
392	SS-5	35C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
8	SS-5	35D	R1-2(36)	1	YIELD	36	36		REMOVE	1											
311	SS-5	36	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
1827	SS-5	37	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2- Digit) - 12x48	12	48		REMOVE	1										"45.0"	
1824	SS-5	38	D10-2(12)	1	REFERENCE LOCATION (2- Digit) - 12x36	12	36	3.0	ADD TO ASSEMBLY		1									"45"	
1694	SS-5	39	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1									No current route passing	
392	SS-5	40A	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
1964	SS-5	40B	OM4-3	1	END OF ROAD OBJECT MARKER	18	18		REMOVE	1											
392	SS-5	41	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1										
PAGE TOTALS								180			44	41			0	0	18	0	0	0	

PERMANENT SIGN SCHEDULE																				
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 1/2" Post (W/ Basepost) (EACH)	Code X11A 1 1/2" Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
141	SS-6	1A	R3-8a(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Right) - 48"x30"	48	30													
110	SS-6	1B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1										SIGN ROTATED 90 DEGREES FACING LESLIE DR
141	SS-6	2A	R3-8a(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Right) - 48"x30"	48	30	10.0				NEW		10.0	SOIL	2				SIGN ROTATED 90 DEGREES FACING LESLIE DR
111	SS-6	2B	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
3	SS-6	3A	R1-1(30)	1	STOP	30	30		REMOVE	1										
4	SS-6	3B	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1									
311	SS-6	4	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1				EX. CONCRETE	1		1		
7	SS-6	5	R1-2(30)	1	YIELD	30	30		REMOVE	1										
1675	SS-6	6A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Walmart Dr" Hwy C, 8'6"
1675	SS-6	6B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Lochmeath Way" Hwy B, 8'6"
4	SS-6	6C	R1-1(36)	1	STOP	36	36	7.5	NEW		1				SOIL	1				
311	SS-6	7A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1										
1673	SS-6	7B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Walmart Dr"
1673	SS-6	7C	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"Lochmeath Way"
3	SS-6	7D	R1-1(30)	1	STOP	30	30		REMOVE	1										
311	SS-6	8	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1				EX. CONCRETE			1		
42	SS-6	9	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
143	SS-6	10	R3-8b(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Ahead, Right) - 48"x30"	48	30	10.0				NEW		10.0	SOIL	2				
143	SS-6	11	R3-8b(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Ahead, Right) - 48"x30"	48	30					REMOVE	10.0							
878	SS-7	1	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0							
878	SS-7	2A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0							
1367	SS-7	2B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9					REMOVE	2.3							"LOCHMEATH WAY"
424	SS-7	2C	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24					REMOVE	3.0							
878	SS-7	3A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW		16.0	SOIL	2				"Lochmeath Way" Hwy C, 4"
1367a	SS-7	3B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	3.0				ADD TO ASSEMBLY		3.0						"Lochmeath Way" Hwy C, 4"
878	SS-7	4A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW		16.0	SOIL	2				"Lochmeath Way" Hwy C, 4"
1367a	SS-7	4B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	3.0				ADD TO ASSEMBLY		3.0						"Lochmeath Way" Hwy C, 4"
424	SS-7	4C	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0				ADD TO ASSEMBLY		3.0						
4	SS-7	5	R1-1(36)	1	STOP	36	36	7.5	NEW		1				SOIL	1				
59	SS-7	6A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW		12.0	SOIL	2				
59	SS-7	6B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW		12.0	NEW CONCRETE	2				
424	SS-7	7A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1										
	SS-7	7B		1	ADOPT A HIGHWAY	18	12		REMOVE	1										
	SS-7	7C		1	ACKNOWLEDGEMENT - 18x12	18	12		REMOVE	1										"ALPHA PHI OMEGA OF WESLEY COLLEGE"
424	SS-7	8A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1									
1872	SS-7	8B	D14-3-DE	1	ADOPT A HIGHWAY	24	18	3.0	NEW		1				SOIL	1				"ALPHA PHI OMEGA OF WESLEY COLLEGE" Hwy D, 2"
252	SS-7	9	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1				NEW CONCRETE	1				
392	SS-7	10A	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1										
1964	SS-7	10B	OM4-3	1	END OF ROAD OBJECT MARKER	18	18		REMOVE	1										
392	SS-7	11	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1				SOIL	1				
2	SS-7	12	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1										
4	SS-7	13	R1-1(36)	1	STOP	36	36	7.5	NEW		1				BITUMINOUS	1			1	
878	SS-7	14	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	32.0							
59	SS-8	1A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW		12.0	SOIL	2				
59	SS-8	1B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW		12.0	NEW CONCRETE	2				
392	SS-8	2	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1				SOIL	1				
392	SS-8	3A	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1										
1964	SS-8	3B	OM4-3	1	END OF ROAD OBJECT MARKER	18	18		REMOVE	1										
2	SS-8	4	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1										
4	SS-8	5	R1-1(36)	1	STOP	36	36	7.5	NEW		1				SOIL	1				
138	SS-9	6A	R3-8(30)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead) - 30"x30"	30	30	6.3	NEW		1				SOIL	1				
121	SS-9	6B	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
138	SS-8	7A	R3-8(30)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead) - 30"x30"	30	30		REMOVE	1										
120	SS-8	7B	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1										
878	SS-8	8A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0				NEW		32.0	SOIL	4				
1367a	SS-8	8B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	6.0				ADD TO ASSEMBLY		6.0						"Thomas Harmon Dr" Hwy C, 4"
2	SS-8	9	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1										
4	SS-8	10	R1-1(36)	1	STOP	36	36	7.5	NEW		1				SOIL	1				
67	SS-9	1	R2-1-55(36)	2	SPEED LIMIT (55 MPH - 36x48)	36	48					REMOVE	24.0							
1514	SS-9	2A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1				SOIL	1				
1484	SS-9	2B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"
1694	SS-9	3	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									No current route passing
1514	SS-9	4A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1										
1484	SS-9	4B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"
	SS-9	5		1					REMOVE	1										
8	SS-9	6	R1-2(36)	1	YIELD	36	36		REMOVE	1										
9	SS-9	7	R1-2(48)	1	YIELD	48	48	6.9	NEW		1				SOIL	1				Install on a single post
394	SS-9	8A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
392	SS-9	8B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
406	SS-9	8C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW		1				NEW CONCRETE	1				
394	SS-9	9A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1										
392	SS-9	9B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1										
1508	SS-9	10A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1										
1484	SS-9	10B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24														

PERMANENT SIGN SCHEDULE

NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
1508	SS-9	11A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1			SOIL	1							
1484	SS-9	11B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24	8.0	ADD TO ASSEMBLY		2									*13*		
1589	SS-9	11C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15	2.2	ADD TO ASSEMBLY		1											
1514	SS-9	11D	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1			SOIL	1							
1604	SS-9	11E	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1											
121	SS-9	12A	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1							
311	SS-9	12B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	ADD TO ASSEMBLY		1											
120	SS-9	13A	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
1673	SS-9	13B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										*Thomas Harmon Dr*		
1673	SS-9	13C	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										*S Dupont Hwy*		
311	SS-9	13D	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1												
9	SS-9	14	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post		
8	SS-9	15	R1-2(36)	1	YIELD	36	36		REMOVE	1												
358	SS-9	16	R5-1(30)	2	DO NOT ENTER - 30x30	30	30		REMOVE	2												
359	SS-9	17	R5-1(36)	2	DO NOT ENTER - 36x36	36	36	18.0	NEW		2			SOIL	2							
363	SS-9	18	R5-1a(42)	2	WRONG WAY - 42x30	42	30	17.5	NEW		2			SOIL	2							
362	SS-9	19	R5-1a(36)	2	WRONG WAY - 36x24	36	24		REMOVE	2												
362	SS-9	20	R5-1a(36)	2	WRONG WAY - 36x24	36	24		REMOVE	2												
363	SS-9	21A	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			SOIL	1							
363	SS-9	21B	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			NEW CONCRETE	1							
359	SS-9	22A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1							
359	SS-9	22B	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1							
358	SS-9	23	R5-1(30)	2	DO NOT ENTER - 30x30	30	30		REMOVE	2												
121	SS-9	24A	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1											
311	SS-9	24B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
120	SS-9	25A	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
311	SS-9	24B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1												
394	SS-9	26A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	NEW		1			SOIL	1							
392	SS-9	26B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1											
406	SS-9	26C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	ADD TO ASSEMBLY		1											
394	SS-9	27A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1												
392	SS-9	27B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1												
311	SS-9	28	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
311	SS-9	29	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1												
1508	SS-9	30A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1			SOIL	1							
1484	SS-9	30B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									*13*		
1508	SS-9	31A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN													
1484	SS-9	31B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										*13*		
1694	SS-9	32	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1											
141	SS-10	1	R3-8a(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Right) - 48"x30"	48	30		REMAIN													
4	SS-10	2	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
1504	SS-10	3A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN													
1484	SS-10	3B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											*13*		
3	SS-10	4A	R1-1(30)	1	STOP	30	30		REMAIN													
SS-10	4B			1	3-WAY (plaque)	12	6		REMAIN													
SS-10	4C			1	THRU TRAFFIC FROM US RT 13 DOES NOT STOP	24	18		REMAIN													
42	SS-10	5A	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN													
SS-10	5B			1	NO THRU TRUCK OR BUS TRAFFIC TO LOCHMEATH WAY	24	30		REMAIN													
3	SS-10	6A	R1-1(30)	1	STOP	30	30		REMAIN													
SS-10	6B			1	3-WAY (plaque)	12"	6"		REMAIN													
SS-10	6C			1	THRU TRAFFIC FROM US RT 13 DOES NOT STOP	24"	18"		REMAIN													
3	SS-10	7A	R1-1(30)	1	STOP	30	30		REMAIN													
SS-10	7B			1	3-WAY (plaque)	12"	6"		REMAIN													
SS-10	7C			1	THRU TRAFFIC FROM US RT 13 DOES NOT STOP	24"	18"		REMAIN													
42	SS-10	8	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN													
252	SS-11	1	R3-20-DE	1	TURN LANE	18	18		REMAIN													
252	SS-11	2	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1							
878	SS-11	3A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0	NEW					SOIL	4							
1367a	SS-11	3B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	6.0				ADD TO ASSEMBLY								*Thomas Harmon Dr* Hwy C, 4"		
SS-11	4			1	DO NOT ENTER (PRIVATE)	12	18		REMAIN													
59	SS-11	5	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0				NEW										
890	SS-11	6	W3-5(48)	2	SPEED REDUCTION (Symbol) - 48x48	48	48				REMOVE	32.0								*50*		
4	SS-11	7	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
67	SS-12	1	R2-1-55(36)	2	SPEED LIMIT (55 MPH - 36x48)	36	48				REMOVE	24.0										
252	SS-12	2	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1							
63	SS-12	3A	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48				REMOVE	24.0										
1447	SS-12	3B	W21-12P-DE	2	STRICTLY ENFORCED (plaque)	36	24				REMOVE	12.0										
876	SS-12	4A	W3-3(18)	1	SIGNAL AHEAD (Symbol) - 18x18	18	18		REMOVE		1											
1368	SS-12	4B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	42	18		REMOVE		1									*←-Voshells Mill Rd Voshells Mill → Star Hill Rd* *104*		
1694	SS-12	4C	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE		1											
PAGE TOTALS								226			25	30			92	62		28	0	0	0	

PERMANENT SIGN SCHEDULE																				
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
876	SS-12	5A	W3-3(18)	1	SIGNAL AHEAD (Symbol) - 18x18	18	18		REMOVE	1										
1368	SS-12	5B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	42	18		REMOVE	1										"<-Voshells Mill Rd Voshells Mill -> Star Hill Rd"
59	SS-13	1A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW			12.0	SOIL	2			
59	SS-13	1B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW			12.0	NEW CONCRETE	2			
4	SS-13	2	R1-1(36)	1	STOP	36	36	7.5								SOIL	1			
1514	SS-13	3A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE											
1484	SS-13	3B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"
1514	SS-13	4A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0								SOIL	1			
1484	SS-13	4B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY											"13"
311	SS-13	5	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW							NEW CONCRETE	1			
9	SS-13	6	R1-2(48)	1	YIELD	48	48	6.9	NEW							SOIL	1			Install on a single post
394	SS-13	7A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY											
392	SS-13	7B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY											
406	SS-13	7C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW							NEW CONCRETE	1			
1674	SS-13	8A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										"Voshells Mill Rd"
1674	SS-13	8B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										"S Dupont Hwy"
4	SS-13	8C	R1-1(36)	1	RIGHT TURN ON RED AFTER STOP	24	30		REMOVE	1										
4	SS-13	9	R1-1(36)	1	STOP	36	36	7.5	NEW							SOIL	1			
622	SS-13	10	R12-3	1	NO TRUCKS OVER XXXX LBS EMPTY WT	24	36		REMOVE	1										"NO TRUCKS OVER 5000 LBS EXCEPT LOCAL SERVICE"
50	SS-13	11	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMOVE	1										
50.5	SS-13	12	R2-1-35(30)	1	SPEED LIMIT (35 MPH - 30x36)	30	36	7.5	NEW							NEW CONCRETE	1			
9	SS-13	13	R1-2(48)	1	YIELD	48	48	6.9	NEW							SOIL	1			Install on a single post
7	SS-13	14A	R1-2(30)	1	YIELD	30	30		REMOVE	1										Sign is mounted on utility pole
4	SS-13	14B	R1-2(30)	1	TO PEDESTRIANS	24	12		REMOVE	1										Sign is mounted on utility pole
4	SS-13	15	R1-1(36)	1	STOP	36	36	7.5	NEW							SOIL	1			
878	SS-13	16	R1-1(36)	1	DUI 1 KILLED HERE	24	18		REMOVE	1										
878	SS-13	17A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW			16.0	NEW CONCRETE	2			
878	SS-13	17B	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW			16.0	SOIL	2			
1368c	SS-13	17C	W16-8aP	2	ADVANCE STREET NAME (3 - line plaque) (Oversized)	48	18	12.0				ADD TO ASSEMBLY			12.0					"(<- Voshells Mill Rd Voshells Mill -> Star Hill Rd) Hwy C, 4"
4	SS-13	18	R1-1(36)	1	STOP	36	36	7.5	NEW							SOIL	1			
8	SS-13	19	R1-2(36)	1	YIELD	36	36		REMOVE	1										
9	SS-13	20	R1-2(48)	1	YIELD	48	48	6.9	NEW							SOIL	1			Install on a single post
3	SS-13	21	R1-1(30)	1	STOP	30	30		REMAIN											
1685	SS-13	22A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
1686	SS-13	22B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMOVE	1										"PALMER PARK ->"
1686	SS-13	22C	D3-2-DE2	1	DEVELOPMENT NAME	36	24	6.0	ADD TO ASSEMBLY											"Palmer Park ->"
394	SS-13	23A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY											
392	SS-13	23B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY											
406	SS-13	23C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	ADD TO ASSEMBLY											
599	SS-13	23D	R10-17a	1	RIGHT ON RED ARROW AFTER STOP	36	48	12.0	NEW							SOIL	1			"RIGHT TURN ON RED AFTER STOP"
1673	SS-13	24A	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"Voshells Mill Rd"
1673	SS-13	24B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"S Dupont Hwy"
311	SS-13	24C	R4-7(24)	1	RIGHT TURN ON RED AFTER STOP	24	30	5.0	NEW							NEW CONCRETE	1			
1508	SS-13	25	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1										
1484	SS-13	26A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1										
1484	SS-13	26B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"
1508	SS-13	27A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW							SOIL	1			
1484	SS-13	27B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY											"13"
1694	SS-13	28	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY											"104"
878	SS-14	1A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW			16.0	SOIL	2			
878	SS-14	1B	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0				NEW			16.0	NEW CONCRETE	2			
1368b	SS-14	1C	W16-8aP	2	ADVANCE STREET NAME (3 - line plaque)	42	18	10.5				ADD TO ASSEMBLY			10.5					"<-Voshells Mill Rd Voshells Mill -> Star Hill Rd" Hwy C, 4"
252	SS-14	2	R3-20-DE	1	TURN LANE	18	18	2.3	NEW							SOIL	1			
252	SS-14	3	R3-20-DE	1	TURN LANE	18	18		REMOVE	1										
876	SS-14	4	W3-3(18)	2	SIGNAL AHEAD (Symbol) - 18x18	18	18		REMOVE	2										
1966	SS-14	5A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW							SOIL	1			
1981	SS-14	5B	S4-3P(24)	1	SCHOOL - 24x8	24	8	1.3	ADD TO ASSEMBLY											
1353	SS-14	5C	W16-6P_FYG(24)	1	LEFT ADVANCE TURN ARROW (plaque) - 24x18	24	18	3.0	ADD TO ASSEMBLY											
59	SS-14	6A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW			12.0	NEW CONCRETE	2			
59	SS-14	6B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0				NEW			12.0	SOIL	2			
63	SS-14	7	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE	2										
1966	SS-14	8	S3-1(30)	1	SCHOOL BUS STOP AHEAD - 30x30	30	30		REMOVE	1										
1969	SS-14	9	S3-1(36)	1	SCHOOL BUS STOP AHEAD - 36x36	36	36	9.0	NEW							SOIL	1			
252	SS-14	10	R3-20-DE	1	TURN LANE	18	18		REMOVE	1										
4	SS-14	11	R1-1(36)	1	STOP	36	36	7.5	NEW							SOIL	1			
1966	SS-14	12A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36		REMOVE	1										
1981	SS-14	12B	S4-3P(24)	1	SCHOOL - 24x8	24	8		REMOVE	1										
1966	SS-14	13A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW							SOIL	1			
1981	SS-14	13B	S4-3P(24)	1	SCHOOL - 24x8	24	8	1.3	ADD TO ASSEMBLY											
252	SS-14	14	R3-20-DE	1	TURN LANE	18	18	2.3	NEW							NEW CONCRETE	1			
8	SS-15	1	R1-2(36)	1	YIELD	36	36		REMOVE	1										
PAGE TOTALS																				
									299											
									33	32				0	135					
														36	0		0	0		

PERMANENT SIGN SCHEDULE																						
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 1/2 Post (W/ Basepost) (EACH)	Code X11A 1 1/2 Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
394	SS-15	2	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1												
8	SS-15	3	R1-2(36)	1	YIELD	36	36		REMOVE	1												
1694	SS-15	4	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1						No current route passing	
252	SS-15	5	R3-20-DE	1	TURN LANE	18	18		REMOVE	1												
1824	SS-15	6	D10-2(12)	1	REFERENCE LOCATION (2-Digit) - 12x36	12	36	3.0	NEW		1			SOIL	1						"46"	
9	SS-15	7	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1						Install on a single post	
394	SS-15	8A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1											
392	SS-15	8B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1											
406	SS-15	8C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW					NEW CONCRETE	1							
1827	SS-15	9	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2-Digit) - 12x48	12	48		REMOVE	1											"46.0"	
311	SS-15	10	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1		1					
9	SS-15	11	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1						Install on a single post	
4	SS-15	12	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
1924	SS-15	13A	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0	NEW		1			SOIL	1							
1618	SS-15	13B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1											
1924	SS-15	14A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMOVE	1												
1618	SS-15	14B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMOVE	1												
1694	SS-15	14C	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1											"104"	
1824	SS-15	15	D10-2(12)	1	REFERENCE LOCATION (2-Digit) - 12x36	12	36	3.0	NEW		1			SOIL	1						"46"	
311	SS-15	16	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
1827	SS-15	17	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2-Digit) - 12x48	12	48		REMOVE	1											"46.0"	
394	SS-15	18A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1											
392	SS-15	18B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1											
406	SS-15	18C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW					NEW CONCRETE	1							
311	SS-15	19	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
4	SS-17	1	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
252	SS-17	2	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1							
1965	SS-17	3A	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMOVE	1												
1981	SS-17	3B	S4-3P(24)	1	SCHOOL - 24x8	24	8		REMOVE	1												
1353	SS-17	3C	W16-6P FYG(24)L	1	LEFT ADVANCE TURN ARROW (plaque) - 24x18	24	18		REMOVE	1												
1694	SS-17	4	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1						"104"	
878	SS-17	5A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	32.0									
1368	SS-17	5B	W16-8aP	2	ADVANCE STREET NAME (2 - line plaque)	42	18		REMOVE	2											"<- Camden Wyoming Ave W Lebanon Rd ->"	
878	SS-17	6A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0				NEW					32.0					
1368b	SS-17	6B	W16-8aP	2	ADVANCE STREET NAME (3 - line plaque)	42	18	10.5				ADD TO ASSEMBLY					10.5					"<- E Camden Wyoming Ave W Lebanon Rd ->" Hwy C, 4"
1504	SS-17	7A	M2-1(21)	1	JUNCTION - 21x15	21	15	2.2	NEW		1			SOIL	1							
1488	SS-17	7B	M1-5(24)	1	STATE ROUTE (2-Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1										"10"	
1504	SS-17	8A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMOVE	1												
1488	SS-17	8B	M1-5(24)	1	STATE ROUTE (2-Digit Sign) - 24x24	24	24		REMOVE	1											"10"	
424	SS-18	1	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
424	SS-18	2	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1			SOIL	1							
4	SS-18	3	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
59	SS-18	4	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0				NEW					24.0					
63	SS-18	5	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE	2												
1669	SS-18	6A	D2-2	1	DISTANCE (2 Line)	60	30	12.5				NEW					12.5					"Felton 8 Harrington 13" Hwy D, 6"
424	SS-18	6B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0				ADD TO ASSEMBLY					3.0					"ALPHA PHI OMEGA OF WESLEY COLLEGE" Hwy D, 2"
1872	SS-18	6C	D14-3-DE	1	ADOPT A HIGHWAY	24	18	3.0				ADD TO ASSEMBLY					3.0					"FELTON 8 HARRINGTON 14"
1669	SS-18	7A	D2-2	1	DISTANCE (2 Line)	72	30					REMOVE	15.0									"FELTON 8 HARRINGTON 14"
424	SS-18	7B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
	SS-18	7C		1	ADOPT A HIGHWAY				REMOVE	1												
	SS-18	7D		1	ACKNOWLEDGEMENT - 18x12				REMOVE	1												"ALPHA PHI OMEGA OF WESLEY COLLEGE"
	SS-18	8		1	DAIRY QUEEN ENTRANCE SOUTH END OF LOT				REMAIN													
4	SS-18	9	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
	SS-18	10A		1	ENTER (PRIVATE)				REMAIN													
566	SS-18	10B	R10-7	1	DO NOT BLOCK INTERSECTION	24	30		REMAIN													
	SS-18	11A		1	WHATCOAT UNITED METHODIST CHURCH (PRIVATE)				REMAIN													
	SS-18	11B		1	CHRISTIAN PRE-SCHOOL (PRIVATE) - plaque				REMAIN													
252	SS-18	12	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			SOIL	1							
1653	SS-18	13	D1-2	1	DESTINATION (2 Line)	60	30					REMOVE	12.5									"<- Camden Wyoming"
1653	SS-18	14	D1-2	1	DESTINATION (2 Line)	60	30	12.5				NEW					12.5					"<- Camden Wyoming" Hwy D, 6"
PAGE TOTALS								203						32		0		1			0	

PERMANENT SIGN SCHEDULE																					
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
311	SS-19	26	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
311	SS-19	27	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
406	SS-19	28A	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMOVE	1											
392	SS-19	28B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
1674	SS-19	28C	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										"W Lebanon Rd"	
1674	SS-19	28D	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										"S Dupont Hwy"	
394	SS-19	28E	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
311	SS-19	28F	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1											
406	SS-19	29A	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	ADD TO ASSEMBLY		1										
392	SS-19	29B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
394	SS-19	29C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
311	SS-19	29D	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
1511	SS-19	30A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12	2.0	NEW		1			NEW CONCRETE	1						
1488	SS-19	30B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1			SOIL	1					"10"	
1511	SS-19	31A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12		REMOVE	1											
1488	SS-19	31B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"10"	
1514	SS-19	32A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1											
1484	SS-19	32B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	2										"13"	
1589	SS-19	32C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMOVE	1											
1508	SS-19	32D	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1											
1604	SS-19	32E	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMOVE	1											
1514	SS-19	33A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1			SOIL	1						
1484	SS-19	33B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24	8.0	ADD TO ASSEMBLY		2									"13"	
1589	SS-19	33C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15	2.2	ADD TO ASSEMBLY		1										
1508	SS-19	33D	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1			SOIL	1						
1604	SS-19	33E	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1										
8	SS-19	34	R1-2(36)	1	YIELD	36	36		REMOVE	1											
9	SS-19	35	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post	
252	SS-19	36	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1						
1924	SS-19	37A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMOVE	1											
1618	SS-19	37B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMOVE	1											
1924	SS-19	38A	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0	NEW		1			SOIL	1						
1618	SS-19	38B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1										
1	SS-20	1		1	ENTER (PRIVATE)	18	12		REMAIN												
1504	SS-20	2A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN												
1488	SS-20	2B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"	
1672	SS-20	3A	D3-1(18)	2	STREET NAME (1 Line) Intersection of two subdivision streets	48	18		REMAIN											"East St"	
1672	SS-20	3B	D3-1(18)	2	STREET NAME (1 Line) Intersection of two subdivision streets	48	18		REMAIN											"Camden Wyoming Ave"	
4	SS-20	3C	R1-1(36)	1	STOP	36	36		REMAIN												
1517	SS-20	4A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12		REMAIN												
1488	SS-20	4B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"10"	
1955	SS-20	5A	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMAIN												
311	SS-20	5B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN												
1955	SS-20	5C	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMAIN												
392	SS-20	6A	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN												
110	SS-20	6B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN												
311	SS-20	7	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1						
833	SS-21	1A	W2-3 R(36)	1	SIDE ROAD (Oblique - Right) - 36x36	36	36		REMAIN												
1367	SS-21	1B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9		REMAIN												
1653	SS-21	2	D1-2	1	DESTINATION (2 Line)	66	30					REMOVE	13.8							"Rising Sun Rd" *(UP arrow) DOVER A.F.B. RISING SUN (45 deg arrow) *(UP arrow) Dover A.F.B. Rising Sun (45 deg arrow) Hwy D, 6"	
1653	SS-21	3	D1-2	1	DESTINATION (2 Line)	66	30	13.8				NEW		13.8	SOIL	2					
252	SS-21	4	R3-20-DE	1	TURN LANE	18	18		REMAIN												
311	SS-21	5	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN												
8	SS-21	6	R1-2(36)	1	YIELD	36	36		REMAIN												
1673	SS-21	7A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Rising Sun Rd"	
1673	SS-21	7B	D3-1(9)	2	STREET NAME (1 Line)	42	9		REMOVE	2										"W Lebanon Rd"	
4	SS-21	7C	R1-1(36)	1	STOP	36	36		REMOVE	1											
1675	SS-21	8A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Rising Sun Rd" Hwy B, 8'6"	
1675	SS-21	8B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"W Lebanon Rd" Hwy B, 8'6"	
4	SS-21	8C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			EX. CONCRETE	1		1				
8	SS-21	9	R1-2(36)	1	YIELD	36	36		REMAIN												
1872	SS-21	10	D14-3-DE	1	ADOPT A HIGHWAY	24	18		REMAIN											"NDSTRUKTABLE ENT"	
8	SS-21	11	R1-2(36)	1	YIELD	36	36		REMAIN												
394	SS-21	12	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMAIN												
8	SS-21	13	R1-2(36)	1	YIELD	36	36		REMAIN												
PAGE TOTALS								113		24	24			14	14		13	0	1	0	

PERMANENT SIGN SCHEDULE																						
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
359	SS-22	33A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1							
359	SS-22	33B	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1							
311	SS-22	34	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
358	SS-22	35	R5-1(30)	2	DO NOT ENTER - 30x30	30	30		REMOVE	2												
311	SS-22	36	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
9	SS-22	37	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post		
63	SS-22	38	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE	2												
110	SS-22	39	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
311	SS-22	40	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			NEW CONCRETE	1							
362	SS-22	41	R5-1a(36)	2	WRONG WAY - 36x24	36	24		REMOVE	2												
4	SS-22	42	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
304	SS-23	1	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1												
4	SS-23	2	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
4	SS-23	3	R1-1(36)	1	STOP	36	36		REMOVE	1												
311	SS-23	4A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMOVE	1												
1955	SS-23	4B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1												
394	SS-23	5	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1												
358	SS-23	6	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
	SS-23	7A		1					REMOVE	1												
121	SS-23	7B	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36		REMOVE	1												
693	SS-23	8	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12		REMOVE	1												
4	SS-23	9	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
4	SS-23	10	R1-1(36)	1	STOP	36	36		REMOVE	1												
1691	SS-23	11A	D4-2(30)	1	PARK & RIDE - 30x36	30	36	7.5	NEW		1			SOIL	1							
1694	SS-23	11B	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									"104" & "303"		
1691	SS-23	12A	D4-2(30)	1	PARK & RIDE - 30x36	30	36		REMOVE	1												
1694	SS-23	12B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										"104" & "303"		
4	SS-23	13	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
252	SS-23	14	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1							
252	SS-23	15	R3-20-DE	1	TURN LANE	18	18		REMOVE	1												
1660	SS-23	16	D1-3	1	DESTINATION (3 Line)	54	42	15.8				NEW		15.8	SOIL	2				"Rising Sun Dover A.F.B. Keep Left" Hwy D, 6"		
1660	SS-23	17	D1-3	1	DESTINATION (3 Line)	54	42		REMOVE	1										"Rising Sun Dover A.F.B. Keep Left"		
358	SS-23	18	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
359	SS-23	19A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		REMOVE	1												
110	SS-23	19B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
394	SS-23	20	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1												
4	SS-23	21A	R1-1(36)	1	STOP	36	36		REMOVE	1												
105	SS-23	21B	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
4	SS-23	22	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
59	SS-23	23	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0				NEW		24.0	SOIL	4						
252	SS-23	24	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			SOIL	1							
252	SS-23	25	R3-20-DE	1	TURN LANE	18	18		REMOVE	1												
447	SS-23	26A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6	0.5	NEW		1			SOIL	1							
424	SS-23	26B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1											
447	SS-23	27A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6		REMOVE	1												
424	SS-23	27B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
1694	SS-23	27C	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										"104" & "303"		
4	SS-23	28	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
4	SS-23	29	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
4	SS-24	1	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
63	SS-24	2	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48					REMOVE		24.0								
110	SS-24	3	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
358	SS-24	4A	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
8	SS-24	4B	R1-2(36)	1	YIELD	36	36		REMOVE	1												
9	SS-24	5	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post		
358	SS-24	6A	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
1514	SS-24	6B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN													
1484	SS-24	6C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"		
1604	SS-24	6D	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN													
359	SS-24	7	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1							
392	SS-24	8	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN													
358	SS-24	9A	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
1508	SS-24	9B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1												
1484	SS-24	9C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1												
1589	SS-24	9D	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMOVE	1												
PAGE TOTALS								171			39	22		24	40		26	0	0	0		

PERMANENT SIGN SCHEDULE																						
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
363	SS-24	10	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			SOIL	1							
394	SS-24	11A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1												
1673	SS-24	11B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Caboose Rd"		
1673	SS-24	11C	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"S Dupont Hwy"		
392	SS-24	11D	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1												
4	SS-24	11E	R1-1(36)	1	STOP	36	36		REMOVE	1												
408	SS-24	11F	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24		REMOVE	1												
359	SS-24	12	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1							
358	SS-24	13A	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
105	SS-24	13B	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
106	SS-24	14	R3-1(36)	1	RIGHT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1							
424	SS-24	15	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1			SOIL	1							
424	SS-24	16	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
9	SS-24	17	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			NEW CONCRETE	1					Install on a single post		
111	SS-24	18	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1							
8	SS-24	19	R1-2(36)	1	YIELD	36	36		REMOVE	1												
392	SS-24	20	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1			SOIL	1							
4	SS-24	21	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
903	SS-24	22A	W4-1 L(36)	1	MERGE (Left) - 36x36	36	36		REMOVE	1												
110	SS-24	22B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
358	SS-24	23	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1												
1653	SS-24	24A	D1-2-MOD	1	DESTINATION (2 Line)	36	16		REMOVE	1										"CARTER -->"		
424	SS-24	24B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
424	SS-24	25	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1			SOIL	1							
1445	SS-24	26A	W21-11-DE	1	WATCH CHILDREN (Symbol)	30	30		REMAIN													
42	SS-24	26B	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN													
1674	SS-24	27A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12		REMOVE	2										"Shamrock Ave"		
1674	SS-24	27B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12		REMOVE	2										"S Dupont Hwy"		
1675	SS-24	27C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5	ADD TO ASSEMBLY		2									"Shamrock Ave"		
1675	SS-24	27D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Dupont Hwy"		
4	SS-24	27E	R1-1(36)	1	STOP	36	36		REPOSITION	1	1									"S Dupont Hwy"		
440	SS-25	1	R7-107-DE(12)	1	NO PARKING (Blank) - 12"x18"	12	18		REMAIN											"DURING SCHOOL HOURS"		
1997	SS-25	2	S5-1-DE(24)	1	SCHOOL SPEED LIMIT XX WHEN CHILDREN ARE PRESENT - 24x54	24	54		REMAIN											"20"		
1966	SS-25	3A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36		REMAIN													
1981	SS-25	3B	S4-3P(24)	1	SCHOOL - 24x8	24	8		REMAIN													
1320	SS-25	4A	W14-2(30)	1	NO OUTLET - 30x30	30	30		REMOVE	1												
	SS-25	4B		1	PLEASE DRIVE SLOWLY! WE LOVE OUR CHILDREN!	18	24		REMOVE	1												
1672	SS-25	4C	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	24	8		REMOVE	1										"CHAPEL DR"		
1672	SS-25	4D	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	36	8		REMOVE	1										"OLD CAMDEN RD"		
3	SS-25	4E	R1-1(30)	1	STOP	30	30		REMOVE	1												
1674	SS-25	5A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12	3.0	ADD TO ASSEMBLY		1									"Chapel Dr"		
1674	SS-25	5B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0	ADD TO ASSEMBLY		1									"Old Camden Dr"		
1323	SS-25	5C	W14-2a R	1	NO OUTLET (Arrow right)	36	8	2.0	ADD TO ASSEMBLY		1											
1324	SS-25	5D	W14-2a L	1	NO OUTLET (Arrow left)	36	8	2.0	ADD TO ASSEMBLY		1											
4	SS-25	5E	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					14' POST		
1534	SS-25	6A	M4-5(24)	1	TO - 24x12	24	12		REMAIN													
1514	SS-25	6B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
1484	SS-25	6C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REPOSITION	1	1									"13"		
1605	SS-25	6D	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15		REPOSITION	1	1											
822	SS-25	7A	W2-2 R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30		REMAIN													
1367	SS-25	7B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9	ADD TO ASSEMBLY		1									"Caboose Rd"		
424	SS-25	8	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN													
1999	SS-25	9	S5-2(24)	1	END SCHOOL ZONE - 24x30	24	30		REMAIN													
1674	SS-25	10A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMOVE	2										"Caboose Ln"		
1674	SS-25	10B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0	ADD TO ASSEMBLY		2									"Caboose Rd"		
1534	SS-25	10C	M4-5(24)	1	TO - 24x12	24	12		REMOVE	1										"Hwy C, 6'4"		
1514	SS-25	10D	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
1484	SS-25	10E	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REPOSITION	1	1									"13"		
1604	SS-25	10F	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REPOSITION	1	1											
9	SS-25	11	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post		
870	SS-25	12A	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18		REMAIN													
1367	SS-25	12B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	42	9		REMAIN											"S Dupont Hwy"		
363	SS-25	13	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			SOIL	1							
392	SS-25	14	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN													
1694	SS-26	1	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										"104"		
3	SS-26	2	R1-1(30)	1	STOP	30	30		REMOVE	1												
4	SS-26	3	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
3	SS-26	4	R1-1(30)	1	STOP	30	30		REMOVE	1												
4	SS-26	5	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
890	SS-26	6	W3-5(48)	1	SPEED REDUCTION (Symbol) - 48x48	48	48		REMAIN											"25"		
PAGE TOTALS																						
									144		37	32	REMAIN		0	0		14	0	0	0	

PERMANENT SIGN SCHEDULE																						
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
3	SS-26	7	R1-1(30)	1	STOP	30	30		REMAIN													
424	SS-26	8	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1			SOIL	1							
424	SS-26	9A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
1694	SS-26	9B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1											"104"	
42	SS-26	10A	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN													
1445	SS-26	10B	W21-11-DE	1	WATCH CHILDREN (Symbol)	30	30		REMAIN													
1674	SS-26	11A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12		REMOVE	2											"Steven St"	
1674	SS-26	11B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12		REMOVE	2											"S Dupont Hwy"	
1675	SS-26	11C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5	ADD TO ASSEMBLY		2										"Steven St" "S Dupont Hwy"	
1675	SS-26	11D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2										"Steven St" "S Dupont Hwy"	
4	SS-26	11E	R1-1(36)	1	STOP	36	36		REPOSITION	1	1			SOIL	1							
447	SS-26	12A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6	0.5	NEW		1			SOIL	1							
442	SS-26	12B	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18	1.5	ADD TO ASSEMBLY		1										"1" HR PARKING "ONLY"	
447	SS-26	13A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6		REMOVE	1												
442	SS-26	13B	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18		REMOVE	1											"1" HR PARKING "ONLY"	
137	SS-26	14	R3-7 (36)	1	LEFT LANE MUST TURN LEFT - 36"x36"	36	36		REMOVE	1												
1674	SS-26	15A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12		REMOVE	2											"Robert St"	
1674	SS-26	15B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMOVE	2											"S Dupont Hwy"	
1675	SS-26	15C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5	ADD TO ASSEMBLY		2										"Robert St" "S Dupont Hwy"	
1675	SS-26	15D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2										"S Dupont Hwy" "Hwy B, 6'8'6"	
4	SS-26	15E	R1-1(36)	1	STOP	36	36		REPOSITION	1	1			SOIL	1							
442	SS-26	16	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18	1.5	NEW		1			SOIL	1						"1" HR PARKING "ONLY"	
442	SS-26	17	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18		REMOVE	1											"1" HR PARKING "ONLY"	
1872	SS-27	1	D14-3-DE	1	ADOPT A HIGHWAY	24	18	3.0	NEW		1			SOIL	1						"CAMDEN VFW POST 3238" "Hwy D, 2"	
	SS-27	2A		1	ADOPT A HIGHWAY	18	12		REMOVE	1												
	SS-27	2B		1	ACKNOWLEDGEMENT - 18x12	18	12		REMOVE	1											"CAMDEN VFW POST 3238"	
1523	SS-27	3A	M4-1a(24)	1	ALT - 24x12	24	12	2.0	NEW		1			SOIL	1							
1514	SS-27	3B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
1484	SS-27	3C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1										"13"	
50	SS-27	4	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMOVE	1												
50	SS-27	5	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0	NEW		1			SOIL	1							
	SS-27	6A		1	ALL TRAFFIC (Right Arrow)	48	36	12.0				REMOVE	12.0									
780	SS-27	6B	W1-8(18)	2	CHEVRON ALIGNMENT - 18x24	18	24		REMOVE	2												
	SS-27	7A		1	ALL TRAFFIC (Right Arrow)	48	36	12.0				NEW	12.0	SOIL	2							
780	SS-27	7B	W1-8(18)	2	CHEVRON ALIGNMENT - 18x24	18	24	6.0	ADD TO ASSEMBLY		2											
4	SS-27	8A	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
111	SS-27	8B	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1											
3	SS-27	9A	R1-1(30)	1	STOP	30	30		REMOVE	1												
110	SS-27	9B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1												
1523	SS-27	10A	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1												
1514	SS-27	10B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1												
1484	SS-27	10C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1											"13"	
	SS-27	10D		1	TOWN BUSINESS LICENSE REQUIRED FOR ALL CONTRACTORS	12	18		REMOVE	1												
63	SS-27	11A	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE			REMOVE	24.0									
1447	SS-27	11B	W21-12P-DE	2	STRICTLY ENFORCED (plaque)	36	24		REMOVE			REMOVE	12.0									
8	SS-27	12	R1-2(36)	1	YIELD	36	36		REMOVE	1												
9	SS-27	13	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			NEW CONCRETE	1						Install on a single post	
8	SS-27	14	R1-2(36)	1	YIELD	36	36		REMOVE	1												
1514	SS-27	15A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1												
1484	SS-27	15B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1											"13"	
1514	SS-27	16A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1			SOIL	1							
1484	SS-27	16B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1										"13"	
1669	SS-27	17	D2-2	1	DISTANCE (2 Line)	60	30	12.5				NEW		12.5	SOIL	2					"Felton 9 Harrington 14" "Hwy D, 6"	
1669	SS-27	18	D2-2	1	DISTANCE (2 Line)	66	30					REMOVE	13.8								"FELTON 9 HARRINGTON 15"	
871	SS-27	19A	W3-1(30)	1	STOP AHEAD (Symbol) - 30x30	30	30		REMAIN													
1367	SS-27	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1										"S Dupont Hwy" "Hwy B, 6'8'6"	
392	SS-27	20	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1												
392	SS-27	21	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1			SOIL	1							
447	SS-27	22A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6		REMOVE	1												
424	SS-27	22B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1												
	SS-27	22C		1	END (plaque - green)	12	4		REMOVE	1												
442	SS-27	22D	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18		REMOVE	1											"1" HR PARKING "ONLY"	
447	SS-27	23A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6	0.5	NEW		1			SOIL	1							
424	SS-27	23B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1											
	SS-27	23C		1	END (plaque - green)	12	4	0.3	ADD TO ASSEMBLY		1											
442	SS-27	23D	R7-108	1	XX HR PARKING X:XX AM TO X:XX PM	12	18	1.5	ADD TO ASSEMBLY		1										"1" HR PARKING "ONLY"	
					PAGE TOTALS			150				36	32				62	25				
															17	0	0	0				

PERMANENT SIGN SCHEDULE																				
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
	SS-27	24		1	NO THRU TRAFFIC (PRIVATE)	24	30		REMOVE	1										
418	SS-27	25A	R7-1	1	NO PARKING ANY TIME	12	18		REMOVE	1										
445	SS-27	25B	R7-201P R	1	TOW AWAY ZONE (plaque - red)	12	6		REMOVE	1										
4	SS-27	26	R1-1(36)	1	STOP	36	36	7.5	NEW		1									
424	SS-27	27	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1				SOIL	1					
424	SS-27	28	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	NEW		1			SOIL	1					
42	SS-27	29	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
1674	SS-27	30A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12		REMOVE	2										"Howell St"
1674	SS-27	30B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12		REMOVE	2										"S Dupont Hwy"
1675	SS-27	30C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5	ADD TO ASSEMBLY		2									"Howell St" Hwy C, 8'6"
1675	SS-27	30D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Dupont Hwy" Hwy B, 6'8"6"
4	SS-27	30E	R1-1(36)	1	STOP	36	36		REPOSITION	1	1			SOIL	1					
448	SS-27	31A	R7-202aP-DE1	1	END (plaque - red)	12	6		REMOVE	1										
424	SS-27	31B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1										
448	SS-27	32A	R7-202aP-DE1	1	END (plaque - red)	12	6	0.5	NEW		1			SOIL	1					
424	SS-27	32B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1									
137	SS-27	33	R3-7 L(36)	1	LEFT LANE MUST TURN LEFT - 36"x36"	36	36		REMOVE	1										
137	SS-27	34	R3-7 L(36)	2	LEFT LANE MUST TURN LEFT - 36"x36"	36	36		REMOVE	2										
42	SS-27	35A	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
1445	SS-27	35B	W21-11-DE	1	WATCH CHILDREN (Symbol)	30	30		REMAIN											
111	SS-27	36	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1					
1674	SS-27	37A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMOVE	2										"Asbury Ave"
1674	SS-27	37B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										"S Dupont Hwy"
1675	SS-27	37C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"Asbury Ave" Hwy C, 8'6"
1675	SS-27	37D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Dupont Hwy" Hwy B, 6'8"6"
4	SS-27	37E	R1-1(36)	1	STOP	36	36		REPOSITION	1	1			SOIL	1					
252	SS-28	1	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1					
392	SS-28	2	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1			NEW CONCRETE	1					
392	SS-28	3	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE											
1514	SS-28	4A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1			SOIL	1					
1484	SS-28	4B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24	8.0	ADD TO ASSEMBLY		2									"13"
1619	SS-28	4C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
1523	SS-28	4D	M4-1a(24)	1	ALT - 24x12	24	12	2.0	NEW		1			SOIL	1					
1610	SS-28	4E	M6-2 R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									"13"
1514	SS-28	5A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1										
1484	SS-28	5B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	2										"13"
1619	SS-28	5C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMOVE	1										
1523	SS-28	5D	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1										
1610	SS-28	5E	M6-2 R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15		REMOVE	1										
1653	SS-28	6A	D1-2	1	DESTINATION (2 Line)	84	30		REMOVE			17.5								"CAESAR RODNEY HIGH SCHOOL (45 deg arrow)"
	SS-28	6B		1	ENGINE/EXHAUST BRAKE DEVICE PROHIBITED	36	18		REMOVE	1										
	SS-28	6C		1	ENTERING THE CORPORATE LIMITS OF CAMDEN	36	18		REMOVE	1										
1653	SS-28	7A	D1-2	1	DESTINATION (2 Line)	66	30	13.8					NEW				13.8			"Caesar Rodney High School (45 deg arrow)"
	SS-28	7B	D1-2-MOD	1	DESTINATION (2 Line) - Brown	66	30	13.8					ADD TO ASSEMBLY				13.8			"Brecknock County Park (45 deg arrow)"
	SS-28	8A		1	ENTERING THE CORPORATE LIMITS OF CAMDEN	36	24		REMOVE	1										
1653	SS-28	8B	D1-2-MOD	1	DESTINATION (2 Line)	30	16		REMOVE	1										"CARTER <-"
252	SS-28	8C	R3-20-DE	1	TURN LANE	18	18		REMOVE	1										
252	SS-28	9	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			NEW CONCRETE	1					
59	SS-28	10A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0	NEW			12.0		SOIL	2					
59	SS-28	10B	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0	NEW			12.0		NEW CONCRETE	2					
	SS-28	11A		1	DESTINATION (2 Line) - Brown	42	18					5.3								"Brecknock County Park (45 deg arrow)"
	SS-28	11B		1	CAMDEN POST 3238 WELCOMES YOU (PRIVATE)	20	30		REMOVE	1										
1610	SS-28	11C	M6-2 R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15		REMOVE	1										
1694	SS-28	12	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1					"104"
1653	SS-28	13	D1-2	1	DESTINATION (2 Line)	60	30					12.5								"Camden (45 deg arrow) Wyoming (45 deg arrow)"
1653	SS-28	14A	D1-2	1	DESTINATION (2 Line)	60	30	12.5					NEW				12.5			"Camden (45 deg arrow) Wyoming (45 deg arrow) Hwy D, 6"
698	SS-28	14B	SR1-19-DE(42)	1	ENGINE COMPRESSION BRAKE PROHIBITION - 42x60	42	60	17.5					ADD TO ASSEMBLY				17.5			
1904	SS-28	14C	I-2-DE1	1	ENTERING CORPORATE LIMITS	36	24	6.0	ADD TO ASSEMBLY		1									"CAMDEN"
1827	SS-28	15	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2 - Digit) - 12x48	12	48		REMOVE	1										"47.0"
1824	SS-28	16	D10-2(12)	2	REFERENCE LOCATION (2 - Digit) - 12x36	12	36	6.0	NEW		2			SOIL	2					"47"
4	SS-28	17	R1-1(36)	1	STOP	36	36		REMOVE	1										
4	SS-28	18	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
878	SS-28	19A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					16.0								
1367	SS-28	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9		REMOVE	1										"Charles Polk Rd"
					PAGE TOTALS			194		35	29		51	82		23	0	0	0	

PERMANENT SIGN SCHEDULE																					
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
878	SS-28	20	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48														
4	SS-28	21	R1-1(36)	1	STOP	36	36	7.5	NEW		1										
878	SS-28	22A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0						16.0	NEW CONCRETE						
878	SS-28	22B	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0						16.0	SOIL						
1367	SS-28	22C	W16-8P	2	ADVANCE STREET NAME (1 - line plaque)	36	9	4.5				ADD TO ASSEMBLY		4.5						"POW-MIA Pkwy" Hwy C, 4"	
1905	SS-28	23	I-2-DE2	1	NOW LEAVING CORPORATE LIMITS	36	24	6.0	NEW		1				SOIL					1	
1905	SS-28	24	I-2-DE2	1	NOW LEAVING CORPORATE LIMITS	36	24	6.0	REMOVE	1										"CAMDEN"	
9	SS-29	1	R1-2(48)	1	YIELD	48	48	6.9	NEW		1				NEW CONCRETE					1	
392	SS-29	2A	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY											Install on a single post	
394	SS-29	2B	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY												
408	SS-29	2C	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24	5.0	NEW		1				NEW CONCRETE						
1508	SS-29	3A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1				SOIL						
1484	SS-29	3B	M1-4(24)	2	US ROUTE (2 - Digit Sign) - 24x24	24	24	8.0	ADD TO ASSEMBLY		2									"13"	
1589	SS-29	3C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15	2.2	ADD TO ASSEMBLY		1										
1514	SS-29	3D	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1				SOIL						
1604	SS-29	3E	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1										
311	SS-29	4	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1				NEW CONCRETE						
110	SS-29	5A	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1											
120	SS-29	5B	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1											
359	SS-29	6A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	ADD TO ASSEMBLY		1										
135	SS-29	6B	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1				SOIL						
359	SS-29	7	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1				NEW CONCRETE						
363	SS-29	8A	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1				SOIL						
363	SS-29	8B	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1				NEW CONCRETE						
135	SS-29	9	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36		REMOVE	1											
135	SS-29	10	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1				SOIL						
311	SS-29	11	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1				NEW CONCRETE						
311	SS-29	12	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1				NEW CONCRETE						
311	SS-29	13	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1				NEW CONCRETE						
63	SS-29	14	R2-1-5(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48					REMOVE	24.0								
59	SS-29	15A	R2-1-4(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0													
252	SS-29	15B	R3-20-DE	1	TURN LANE	18	18	2.3	ADD TO ASSEMBLY		1			12.0	NEW CONCRETE						
59	SS-29	16	R2-1-4(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0							SOIL						
59	SS-30	1A		1	TRUCKS PROHIBITED - LOCAL TRAFFIC ONLY	72	42					REMOVE	21.0								"(135 deg arrow) Governors Ave"
252	SS-30	1B	R3-20-DE	1	TURN LANE	18	18		REMOVE	1											
1523	SS-30	2A	M4-1a(24)	1	ALT - 24x12	24	12	2.0	NEW		1				NEW CONCRETE						
1484	SS-30	2B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1										
1593	SS-30	2C	M5-2 L	1	ADVANCE TURN ARROW (Left - 45)	21	15	2.2	ADD TO ASSEMBLY		1									"13"	
1523	SS-30	3A	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1											
1484	SS-30	3B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"	
1593	SS-30	3C	M5-2 L	1	ADVANCE TURN ARROW (Left - 45)	21	15		REMOVE	1											
1653	SS-30	4	D1-2	1	DESTINATION (2 Line)	36	16		REMOVE	1										"RODNEY → VILLAGE"	
252	SS-30	5	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1				SOIL						
1687	SS-30	6	D3-2-DE3	1	DEVELOPMENT NAME	42	18	5.3				NEW		5.3	SOIL					"Rodney → Village"	
	SS-30	7		1	TRUCKS PROHIBITED - LOCAL TRAFFIC ONLY	72	42	21.0				NEW		21.0	SOIL					"(135 deg arrow) Governors Ave"	
878	SS-30	8A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0				NEW		32.0	SOIL						
1367a	SS-30	8B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	6.0				ADD TO ASSEMBLY		6.0						"POW-MIA Pkwy" Hwy C, 4"	
878	SS-30	9A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0								
1367a	SS-30	9B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9					REMOVE	3.0							"Charles Polk Rd"	
135	SS-30	10	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1				SOIL						
878	SS-30	11	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48					REMOVE	16.0								
1504	SS-30	12A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMOVE	1											
1523	SS-30	12B	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1											
1484	SS-30	12C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"	
1504	SS-30	13A	M2-1(21)	1	JUNCTION - 21x15	21	15	2.2	NEW		1				SOIL						
1523	SS-30	13B	M4-1a(24)	1	ALT - 24x12	24	12	2.0	ADD TO ASSEMBLY		1										
1484	SS-30	13C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"	
1671	SS-30	14A	D3-1(6)	1	STREET NAME (1 Line)	48	6		REMOVE	1										"S TAYLOR DR"	
1671	SS-30	14B	D3-1(6)	1	STREET NAME (1 Line)	48	6		REMOVE	1										"S Dupont Hwy"	
392	SS-30	14C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
3	SS-30	14D	R1-1(30)	1	STOP	30	30		REMOVE	1											
1675	SS-30	15A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Taylor Dr" Hwy C, 6"/8"/6"	
1675	SS-30	15B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Dupont Hwy" Hwy B, 6"/8"/6"	
392	SS-30	15C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
4	SS-30	15D	R1-1(36)	1	STOP	36	36	7.5	NEW		1				SOIL						
1924	SS-30	16A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMOVE	1											
1618	SS-30	16B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMOVE	1											
1924	SS-30	17A	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0	NEW		1				SOIL						
1618	SS-30	17B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1										
900	SS-31	1	W4-1 R(36)	1	MERGE (Right) - 36x36	36	36	9.0	REMOVE	1											
900	SS-31	2	W4-1 R(36)	1	MERGE (Right) - 36x36	36	36	9.0	NEW		1				NEW CONCRETE						
PAGE TOTALS																					
									324												
									19	40											
												96	125								
															38						

PERMANENT SIGN SCHEDULE																				
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
1514	SS-31	3A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1										
1484	SS-31	3B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"
1619	SS-31	3C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMOVE	1										
1514	SS-31	4A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	NEW		1			SOIL	1					
1484	SS-31	4B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"
1619	SS-31	4C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
1673	SS-31	5A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"S DUPONT HWY"
1673	SS-31	5B	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										"S GOVERNORS AVE"
105	SS-31	5C	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1										"SHOPPING CENTER"
1653	SS-31	6A	D1-2	1	DESTINATION (2 Line)	48	30					REMOVE	10.0							"SHOPPING CENTER"
424	SS-31	6B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1										
106	SS-31	7A	R3-1(36)	1	RIGHT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
359	SS-31	7B	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1					
1498	SS-31	8A	M1-8(18)	1	BIKE ROUTE - 18x24	18	24	3.0	NEW		1			SOIL	1					
1602	SS-31	8B	M6-1 R(B)	1	DIRECTIONAL ARROW (Right) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1									
1498	SS-31	9A	M1-8(18)	1	BIKE ROUTE - 18x24	18	24	3.0	NEW		1			SOIL	1					
1587	SS-31	9B	M5-1 L(B)	1	ADVANCE TURN ARROW (Left - 90)	12	9	0.8	ADD TO ASSEMBLY		1									
1498	SS-31	10A	M1-8(18)	1	BIKE ROUTE - 18x24	18	24	3.0	NEW		1			SOIL	1					
1618	SS-31	10B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1									
3	SS-31	11	R1-1(30)	1	STOP	30	30		REMOVE	1										
4	SS-31	12	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
311	SS-31	13	R4-7(24)	2	KEEP RIGHT (Symbol) - 24x30	24	30	10.0	NEW		2			NEW CONCRETE	2					
392	SS-31	14	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1										
148	SS-31	15A	R3-9cP	1	BEGIN (plaque)	30	12	2.5	NEW		1			SOIL	1					
146	SS-31	15B	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36	6.0	ADD TO ASSEMBLY		1									
8	SS-31	16	R1-2(36)	1	YIELD	36	36		REMOVE	1										
9	SS-31	17	R1-2(48)	1	YIELD	48	48	6.9	NEW		1			SOIL	1					Install on a single post
8	SS-31	18	R1-2(36)	1	YIELD	36	36		REMOVE	1										
359	SS-31	19	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1					
4	SS-31	20	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
4	SS-31	21	R1-1(36)	2	STOP	36	36		REMOVE	2										
1508	SS-31	22A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1			SOIL	1					
1484	SS-31	22B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"
1619	SS-31	22C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
1508	SS-31	23A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1										
1484	SS-31	23B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"
1619	SS-31	23C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMOVE	1										
8	SS-31	24	R1-2(36)	1	YIELD	36	36		REMOVE	1										
110	SS-31	25A	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1										
358	SS-31	25B	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1										
111	SS-31	26A	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
358	SS-31	26B	R5-1(30)	1	DO NOT ENTER - 30x30	30	30	6.3	NEW		1			NEW CONCRETE	1					
111	SS-31	27	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1					
110	SS-31	28	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMOVE	1										
362	SS-31	29	R5-1a(36)	1	WRONG WAY - 36x24	36	24		REMOVE	1										
1445	SS-31	30	W21-11-DE	1	WATCH CHILDREN (Symbol)	30	30		REMOVE	1										
1671	SS-31	31A	D3-1(6)	1	STREET NAME (1 Line)	36	6		REMOVE	1										"LAKEVIEW AVE"
394	SS-31	31B	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1										
392	SS-31	31C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1										
3	SS-31	31D	R1-1(30)	1	STOP	30	30		REMOVE	1										
406	SS-31	31E	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMOVE	1										
394	SS-31	32A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
392	SS-31	32B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
406	SS-31	32C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	NEW		1			SOIL	1					
424	SS-32	1	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
1504	SS-32	2A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN											
1484	SS-32	2B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"
50	SS-32	3	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMOVE	1										
50.5	SS-32	4	R2-1-35(30)	1	SPEED LIMIT (35 MPH - 30x36)	30	36	7.5	NEW		1			SOIL	1					
424	SS-32	5A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
1694	SS-32	5B	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											"104"
424	SS-32	6	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
424	SS-32	7A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
1653	SS-32	7B	D1-2	1	DESTINATION (2 Line)	30	18		REMAIN											"<-RODNEY VILLAGE"
424	SS-32	8	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
PAGE TOTALS								138		30	29				17	0	0	0		

PERMANENT SIGN SCHEDULE																					
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
1523	SS-32	9A	M4-1a(24)	1	ALT - 24x12	24	12	2.0	NEW		1			SOIL	1						
1484	SS-32	9B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"	
1588	SS-32	9C	M5-1 R	1	ADVANCE TURN ARROW (Right - 90)	21	15	2.2	ADD TO ASSEMBLY		1										
1523	SS-32	10A	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1											
1484	SS-32	10B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1											
1588	SS-32	10C	M5-1 R	1	ADVANCE TURN ARROW (Right - 90)	21	15		REMOVE	1											
1673	SS-32	10D	D3-1(9)	1	STREET NAME (1 Line)	36	9		REMOVE	1										"GOVERNORS AVE"	
4	SS-32	11	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
252	SS-32	12	R3-20-DE	1	TURN LANE	18	18		REMOVE	1	1			SOIL	1						
252	SS-32	13	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			SOIL	1						
4	SS-32	14	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
3	SS-32	15	R1-1(30)	1	STOP	30	30		REMOVE	1	1										
4	SS-32	16	R1-1(36)	1	STOP	36	36	7.5	NEW		1			NEW CONCRETE	1						
3	SS-32	17	R1-1(30)	1	STOP	30	30		REMOVE	1	1										
1694	SS-32	18	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1					"303"	
4	SS-32	19	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
878	SS-32	20A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48		REMOVE	2											
1367a	SS-32	20B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9		REMOVE	2										"Webbs Ln" Hwy C, 4"	
1653	SS-32	21	D1-2	1	DESTINATION (2 Line)	84	30					REMOVE	17.5							"W. REILY BROWN <-- ELEM. SCHOOL"	
1653	SS-32	22	D1-2	1	DESTINATION (2 Line)	66	30	13.8				NEW		13.8	SOIL	2				"W. Reily Brown <-- Elem. School" Hwy D, 6"	
1504	SS-33	1A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMOVE	1											
1523	SS-33	1B	M4-1a(24)	1	ALT - 24x12	24	12		REMOVE	1											
1484	SS-33	1C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"13"	
424	SS-33	1D	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMOVE	1											
1504	SS-33	2A	M2-1(21)	1	JUNCTION - 21x15	21	15	2.2	NEW		1			SOIL	1						
1523	SS-33	2B	M4-1a(24)	1	ALT - 24x12	24	12	2.0	ADD TO ASSEMBLY		1										
1484	SS-33	2C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									"13"	
424	SS-33	2D	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0	ADD TO ASSEMBLY		1										
4	SS-33	3	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
4	SS-33	4	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
4	SS-33	5	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
4	SS-33	6	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
593	SS-33	7	R10-18a	2	TRAFFIC SIGNAL PHOTO ENFORCED	30	42	17.5	NEW		2			SOIL	2						
593	SS-33	8	R10-18a	2	TRAFFIC SIGNAL PHOTO ENFORCED	30	42		REMOVE	2	2										
42	SS-33	9	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN												
1445	SS-33	10	W21-11-DE	1	WATCH CHILDREN (Symbol)	30	30		REMAIN												
424	SS-33	11	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN												
1675	SS-33	12A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"N Taylor Dr" Hwy C, 6"/8"/6"	
1675	SS-33	12B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									"S Dupont Hwy" Hwy B, 6"/8"/6"	
392	SS-33	12C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1										
4	SS-33	12D	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
1673	SS-33	13A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"N TAYLOR DR"	
1673	SS-33	13B	D3-1(9)	2	STREET NAME (1 Line)	42	9		REMOVE	2										"S DUPONT HWY"	
392	SS-33	13C	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
4	SS-33	13D	R1-1(36)	1	STOP	36	36		REMOVE	1	1			SOIL	1						
252	SS-33	14	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1										
1694	SS-33	15	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1	1									"303"	
252	SS-33	16	R3-20-DE	1	TURN LANE	18	18		REMOVE	1	1										
878	SS-33	17A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0	NEW		2			SOIL	2						
1367a	SS-33	17B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	6.0	ADD TO ASSEMBLY		2									"Webbs Ln" Hwy C, 4"	
59	SS-34	1	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0	NEW				24.0	SOIL	4						
63	SS-34	2	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE	2											
1905	SS-34	3	I-2-DE2	2	NOW LEAVING CORPORATE LIMITS	36	24	12.0	NEW		2			SOIL	2					"DOVER"	
1905	SS-34	4	I-2-DE2	1	NOW LEAVING CORPORATE LIMITS	36	24		REMOVE	1										"DOVER"	
4	SS-34	5	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
8	SS-34	6	R1-2(36)	1	YIELD	36	36	3.9	NEW		1			SOIL	1						
9	SS-34	7	R1-2(48)	1	YIELD	48	48		REMOVE	1										Sign is mounted on signal pole	
PAGE TOTALS								235			29	34		18	38		28	0	0	0	

PERMANENT SIGN SCHEDULE																				
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
406	SS-34	36A	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	ADD TO ASSEMBLY		1									
392	SS-34	36B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
394	SS-34	36C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
311	SS-34	36D	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1									
8	SS-34	37	R1-2(36)	1	YIELD	36	36		REMOVE	1										
9	SS-34	38	R1-2(48)	1	YIELD	48	48	6.9	NEW		1									
1508	SS-34	39A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	NEW		1									Install on a single post
1484	SS-34	39B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	ADD TO ASSEMBLY		1									
1508	SS-34	40A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1										"13"
1484	SS-34	40B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										
135	SS-34	41	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1									
737	SS-35	1A	W1-3 L(30)	1	REVERSE TURN (LeR) - 30x30	30	30		REMAIN											
1288	SS-35	1B	W13-1P-30(18)	1	ADVISORY SPEED (30 MPH) 18x18	18	18		REMAIN											
780	SS-35	1C	W1-8(18)	1	CHEVRON ALIGNMENT - 18x24	18	24		REMAIN											
1685	SS-35	2A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
1686	SS-35	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											
780	SS-35	2C	W1-8(18)	1	CHEVRON ALIGNMENT - 18x24	18	24		REMAIN											
1872	SS-35	3	D14-3-DE	1	ADOPT A HIGHWAY	24	18		REMAIN											
780	SS-35	4	W1-8(18)	1	CHEVRON ALIGNMENT - 18x24	18	24		REMAIN											
8	SS-35	5	R1-2(36)	1	YIELD	36	36		REMAIN											
1674	SS-35	6A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12	6.0	ADD TO ASSEMBLY		2									"Webbs Ln" Hwy C, 6 1/4"
1674	SS-35	6B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									"Woodbrook Rd" Hwy C, 6 1/4"
4	SS-35	6C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			EX. CONCRETE	1		1			
1673	SS-35	7A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Webbs Ln"
1673	SS-35	7B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										"Woodbrook Rd"
4	SS-35	7C	R1-1(36)	1	STOP	36	36		REMOVE	1										
8	SS-35	8	R1-2(36)	1	YIELD	36	36		REMAIN											
447	SS-35	9A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6		REMAIN											
424	SS-35	9B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
780	SS-35	9C	W1-8(18)	1	CHEVRON ALIGNMENT - 18x24	18	24		REMAIN											
1653	SS-35	10	D1-2	1	DESTINATION (2 Line)	54	30	11.3												"← Camden Dover →" Hwy D, 6"
1653	SS-35	11A	D1-2	1	DESTINATION (2 Line)	54	30		REMOVE			11.3								"← Camden Dover →"
693	SS-35	11B	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12		REMOVE			2.0								
1504	SS-35	12A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN											
1484	SS-35	12B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											
448	SS-35	13A	R7-202aP-DE1	1	END (plaque - red)	12	6		REMAIN											
424	SS-35	13B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24		REMAIN											
311	SS-35	14	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
877	SS-35	15A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMAIN											
693	SS-35	15B	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12		REMAIN											
1367	SS-35	15C	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9		REMAIN											"S Dupont Hwy"
4	SS-36	1	R1-1(36)	1	STOP	36	36	7.5	NEW		1									
1694	SS-36	2	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										"303"
1694	SS-36	3	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1									"303"
593	SS-36	4	R10-18a	1	TRAFFIC SIGNAL PHOTO ENFORCED	30	42		REMOVE	1	2									
593	SS-36	5	R10-18a	2	TRAFFIC SIGNAL PHOTO ENFORCED	30	42	17.5	NEW											
593	SS-36	6A	R10-18a	1	TRAFFIC SIGNAL PHOTO ENFORCED	30	42		REMOVE	1										
252	SS-36	6B	R3-20-DE	1	TURN LANE	18	18		REMOVE	1										
252	SS-36	7	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1									
878	SS-36	8A	W3-3(48)	2	SIGNAL AHEAD (Symbol) - 48x48	48	48	32.0	NEW											
1367a	SS-36	8B	W16-8P	2	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	6.0	ADD TO ASSEMBLY											
878	SS-36	9A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48		REMOVE			16.0								
1367	SS-36	9B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMOVE	1										
878	SS-36	10A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48		REMOVE			16.0								
1367	SS-36	10B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMOVE	1										
1301	SS-36	11	W13-2(36)	1	ADVISORY EXIT SPEED - 36x48	36	48		REMOVE			12.0								"Webbs Ln"
1301	SS-36	12	W13-2(36)	1	ADVISORY EXIT SPEED - 36x48	36	48	12.0	NEW			12.0								"50 M.P.H."
63	SS-36	13A	R2-1-50(36)	1	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE			12.0								"50 M.P.H."
1447	SS-36	13B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		REMOVE			6.0								
	SS-36	13C		1	BY CITY ORDINANCE ENGINE/EXHAUST BRAKE DEVICE USE PROHIBITED	30	30		REMOVE	1										
63	SS-36	14	R2-1-50(36)	1	SPEED LIMIT (50 MPH - 36x48)	36	48		REMOVE			12.0								"CITY OF DOVER TRUCK ROUTE"
1514	SS-37	1A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN											
1484	SS-37	1B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											
1924	SS-37	2A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMAIN											
1618	SS-37	2B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMAIN											
1602	SS-37	2C	M6-1 R(B)	1	DIRECTIONAL ARROW (Right) - 12x9	12	9		REMAIN											
PAGE TOTALS																				
								148												
									15	18										
											87	61								
													18	0	1	0				

PERMANENT SIGN SCHEDULE																					
NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
135	SS-37	3	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1			SOIL	1						
1301	SS-37	4	W13-2(36)	1	ADVISORY EXIT SPEED - 36x48	36	48					REMOVE	12.0							"50 M.P.H."	
1301	SS-37	5A	W13-2(36)	1	ADVISORY EXIT SPEED - 36x48	36	48	12.0				REMOVE		12.0						"50 M.P.H."	
135	SS-37	5B	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	ADD TO ASSEMBLY		1										
252	SS-37	6	R3-20-DE	1	TURN LANE	18	18		REMOVE	1											
252	SS-37	7	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			SOIL	1						
389	SS-37	8	R5-10b	1	NO PEDESTRIANS OR BICYCLES	30	18		REMOVE	1											
1576	SS-38	1A	M4-14(24)	1	BEGIN - 24x12	24	12		REMOVE	1											
302	SS-38	1B	R4-3-DE	1	TRUCK KEEP RIGHT EXCEPT LEFT TURNS	30	36		REMOVE	1											
1340	SS-38	1C	W16-2aP(18)	1	XX FT (plaque) - 18x9	18	9		REMOVE	1										"1500"	
1576	SS-38	2A	M4-14(24)	1	BEGIN - 24x12	24	12	2.0	NEW		1			SOIL	1						
302	SS-38	2B	R4-3-DE	1	TRUCK KEEP RIGHT EXCEPT LEFT TURNS	30	36	7.5	ADD TO ASSEMBLY		1										
1340	SS-38	2C	W16-2aP(18)	1	XX FT (plaque) - 18x9	18	9	1.1	ADD TO ASSEMBLY		1									"1500"	
1827	SS-38	3	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2-Digit) - 12x48	12	48		REMAIN											"48.0"	
	SS-38	4A		1	U TURN ONLY	18	24	3.0	ADD TO ASSEMBLY		1										
359	SS-38	4B	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			NEW CONCRETE	1						
	SS-38	5		1	U TURN ONLY	18	24		REMOVE	1											
394	SS-38	6	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMOVE	1											
394	SS-38	7	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	NEW		1			SOIL	1						
358	SS-38	8	R5-1(30)	2	DO NOT ENTER - 30x30	30	30		REMAIN												
359	SS-38	9	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1						
359	SS-38	10A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	ADD TO ASSEMBLY		1										
110	SS-38	10B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN												
120	SS-38	10C	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN												
408	SS-38	11A	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24		REMAIN												
105	SS-38	11B	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN												
358	SS-38	11C	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMAIN												
392	SS-38	12	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	NEW		1			SOIL	1						
392	SS-38	13	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMOVE	1											
694	SS-38	14	SR-16-DE	1	STOP (shared-use path only)	24	42	7.0	NEW		1			SOIL	1						
389	SS-38	15	R5-10b	1	NO PEDESTRIANS OR BICYCLES	30	18	3.8	NEW		1			SOIL	1						
1576	SS-38	16A	M4-14(24)	1	BEGIN - 24x12	24	12		REMAIN												
302	SS-38	16B	R4-3-DE	1	TRUCK KEEP RIGHT EXCEPT LEFT TURNS	30	36		REMAIN												
1340	SS-38	16C	W16-2aP(18)	1	XX FT (plaque) - 18x9	18	9		REMAIN												
1924	SS-38	17A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMOVE	1										"1500"	
1618	SS-38	17B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMOVE	1											
1924	SS-38	18A	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0	NEW		1			SOIL	1						
1618	SS-38	18B	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8	ADD TO ASSEMBLY		1										
1827	SS-38	19	D10-2a(12)	1	INTERMEDIATE REFERENCE LOCATION (2-Digit) - 12x48	12	48		REMAIN											"48.0"	
363	SS-38	20A	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			NEW CONCRETE	1						
363	SS-38	20B	R5-1a(42)	1	WRONG WAY - 42x30	42	30	8.8	NEW		1			SOIL	1						
359	SS-38	21	R5-1(36)	1	DO NOT ENTER - 36x36	36	36	9.0	NEW		1			SOIL	1						
394	SS-38	22A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMAIN												
105	SS-38	22B	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN												
358	SS-38	23	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMAIN												
1514	SS-38	24A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN												
1484	SS-38	24B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"	
1589	SS-38	24C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN												
1508	SS-38	25A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN												
1484	SS-38	25B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"	
1604	SS-38	25C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN												
8	SS-38	26	R1-2(36)	1	YIELD	36	36		REMAIN												
363	SS-39	1A	R5-1a(42)	2	WRONG WAY - 42x30	42	30	17.5				ADD TO ASSEMBLY									
59	SS-39	1B	R2-1-45(36)	2	SPEED LIMIT (45 MPH - 36x48)	36	48	24.0				NEW		17.5							
50	SS-39	2	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30						24.0		SOIL	4					
876	SS-39	3	W3-3(18)	2	SIGNAL AHEAD (Symbol) - 18x18	18	18		REMAIN												
3	SS-39	4	R1-1(30)	1	STOP	30	30		REMAIN												
	SS-39	5		1	ALL TRAFFIC (with RIGHT ARROW)	36	48		REMAIN												
1514	SS-39	6A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN												
1484	SS-39	6B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN												
1611	SS-39	6C	M6-2 L(21)	1	DIRECTIONAL ARROW (Left - upward 45) - 21x15	21	15		REMAIN												
890	SS-39	7	W3-5(48)	2	SPEED REDUCTION (Symbol) - 48x48	48	48	32.0				NEW		32.0						"45"	
63	SS-39	8A	R2-1-50(36)	2	SPEED LIMIT (50 MPH - 36x48)	36	48	24.0				NEW		24.0							
	SS-39	8B		2	BY CITY ORDINANCE ENGINE/EXHAUST BRAKE DEVICE USE PROHIBITED	30	30	12.5				ADD TO ASSEMBLY		12.5						"CITY OF DOVER TRUCK ROUTE"	
1508	SS-39	9A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN												
1484	SS-39	9B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											"13"	
362	SS-39	10	R5-1a(36)	1	WRONG WAY - 36x24	36	24		REMAIN												
1304	SS-39	11	W13-3(36)	1	ADVISORY RAMP SPEED - 36x48	36	48		REMAIN											"20 MPH"	
392	SS-39	12	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN												
1924	SS-39	13A	EM-1-DE	1	EVACUATION ROUTE	24	24		REMAIN												
1618	SS-39	13B	M6-3(B)	0	DIRECTIONAL ARROW (Up) - 12x9	12	9		REMAIN												
PAGE TOTALS								231													
									10	19			12	122			27	0	0	0	

PERMANENT SIGN SCHEDULE

NO.	SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
1675	SIG-K284	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K284	B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	78	18	19.5												"Lochmeath Way" (8'6" Highway D) Install by TC		
1675	SIG-K019P	A	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	9.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K019P	B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	114	18	28.5												"<-Thomas Harmon Dr" / "Thomas Harmon Dr->" (8'6" Highway D) Install by TC		
1675	SIG-K151	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K151	B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	96	18	12.0												"<-Voshells Mill Rd" / "Voshells Mill Rd->" (8'6" Highway D) Install by TC		
1675	SIG-K151	C	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	120	18	15.0												"<-Voshells Mill Star Hill Rd" / "Voshells Mill Star Hill Rd->" (8'6" Highway D) Install by TC		
1675	SIG-K317	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K317	B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	84	18	21.0												"Camden Bypass" (8'6" Highway D) Install by TC		
1675	SIG-K128	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K128	B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	120	18	15.0												"<-E Camden Wyoming Ave" / "E Camden Wyoming Ave->" (8'6" Highway D) Install by TC		
1675	SIG-K128	C	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	90	18	11.3												"<-W Lebanon Rd" / "W Lebanon Rd->" (8'6" Highway D) Install by TC		
1675	SIG-K301	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K301	B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	102	18	12.8												"<-Camden Bypass" / "Camden Bypass->" (8'6" Highway D) Install by TC		
1675	SIG-K301	C	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	84	18	10.5												"<-Old North Rd" / "Old North Rd->" (8'6" Highway D) Install by TC		
1675	SIG-K137	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K137	B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	90	18	11.3												"<-POW-MIA Pkwy" / "POW-MIA Pkwy->" (8'6" Highway D) Install by TC		
1675	SIG-K137	C	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	90	18	11.3												"<-POW-MIA Pkwy" / "POW-MIA Pkwy->" (8'6" Highway D) Install by TC		
1675	SIG-K328	A	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	9.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K328	B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	102	18	12.8												"S Governors Ave->" (8'6" Highway D) Install by TC		
1675	SIG-K328	C	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	90	18	11.3												"Lakeview Ave->" / "<-Lakeview Ave" (8'6" Highway D) Install by TC		
1675	SIG-K328	D	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	102	18	12.8												"<-S Governors Ave" (8'6" Highway D) Install by TC		
1675	SIG-K118	A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18	18.0												"S Dupont Hwy" (8'6" Highway D) Install by TC		
1675	SIG-K118	B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	54	18	13.5												"Webbs Ln" (8'6" Highway D) Install by TC		
PAGE TOTALS								362														
JOB TOTALS								4255	553	553	878	1221	475	0	5	1						

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC PAVEMENT MARKING ESTIMATE
HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

CONTRACT # T201500202

F.A.P. # ESTP-K024(16)

PROJECT: HEP KC, US 13, Lochmeath Way to Puncheon Run Connector

LINE	CODE #	ITEM #	UOM	STRIPING DESCRIPTION	QTY
1	40	817002	SF	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	33,748
2	85	817005	LF	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 5"	761
3	75	817006	LF	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	432
4	315	817013	LF	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	146,040
5	320	817014	LF	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 10"	2,095
6	335	817015	EACH	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	761
7					
8	105	817027	EACH	RAISED/RECESSED PAVEMENT MARKER	1,000
9		817030	EACH	REMOVAL OF RAISED/RECESSED PAVEMENT MARKER HOUSING	500
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DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE

FEDERAL INTERSECTION IMPROVEMENTS - SR 41 (Newport Gap Pike) at McKennans Church Rd/Loveville Rd

CONTRACT #: T201904001
F.A.P. #: ESTP-2018(10)
PROJECT: Signal Reconstruction - SR 41 (Newport Gap Pike) at Loveville Road/McKennans Church Road

INTERSECTION # 1: **N262 - SR 41 (Newport Gap Pike) at Loveville Road/McKennans Church Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	15	835003	1	EA	Cabinet Base Type P	1200.00	1200.00	3400.00	1,200.00	1,200.00	3,400.00
2	135	846001	980	LF	Furnish & Install Loop Wire 1-conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut	15.00	14.15	30.00	14,700.00	13,867.00	29,400.00
3	305	831545	245	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)	29.00	34.00	24.00	7,105.00	8,330.00	5,880.00
4	360	831515	235	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	12.00	13.00	15.00	2,820.00	3,055.00	3,525.00
5	365	831516	665	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)	13.50	13.00	15.00	8,977.50	8,645.00	9,975.00
6	440	831523	30	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	18.50	20.20	22.50	555.00	606.00	675.00
7	545	831574	15	LF	Furnish and Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut	5.50	5.30	3.50	82.50	79.50	52.50
8	650	830001	4	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1100.00	1100.00	1300.00	4,400.00	4,400.00	5,200.00
9	655	830002	1	EA	Conduit Junction Well, Type 4, 20"x42.5" Precast Concrete	1400.00	1300.00	1825.00	1,400.00	1,300.00	1,825.00
10	670	830008	5	EA	Adjust or Repair Existing Conduit Junction Well	500.00	375.00	400.00	2,500.00	1,875.00	2,000.00
11	1225	830010	2	EA	Removal of Existing Junction Well	300.00	210.00	545.00	600.00	420.00	1,090.00
12	680	830011	1	EA	Furnish & Install Frame and Lid, for Junction Well, Type 1	800.00	760.00	400.00	800.00	760.00	400.00
13	700	833001	5	EA	Bonding & Grounding Existing Junction Well	400.00	415.00	200.00	2,000.00	2,075.00	1,000.00
14	835	834002	4	EA	Pole Base Type 3A	3700.00	4325.00	6500.00	14,800.00	17,300.00	26,000.00
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TOTAL PROJECT CONTRACTOR ITEMS						→		→	61,940.00	63,912.50	90,422.50

INTERSECTION # 1: **N262 - SR 41 (Newport Gap Pike) at Loveville Road/McKennans Church Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	1150	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	2.30	2.50	2,645.00	2,645.00	2,875.00
2	80	832025	900	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.50	2.85	2.00	2,250.00	2,565.00	1,800.00
3	90	832027	2200	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.50	2.20	2.00	5,500.00	4,840.00	4,400.00
4	95	832029	50	LF	Furnish & Install #8/2 wire UF W/ground	4.55	4.95	5.00	227.50	247.50	250.00
5	115	832033	1250	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	3.20	5.00	4,000.00	4,000.00	6,250.00
6	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	1800.00	3180.00	2525.00	1,800.00	3,180.00	2,525.00
7	890	836504	4	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00	1580.00	2200.00	8,000.00	6,320.00	8,800.00
8	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	950.00	735.00	1525.00	3,800.00	2,940.00	6,100.00
9	970	837002	32	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	345.00	400.00	10,880.00	11,040.00	12,800.00
10	1235	832035	1600	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	1.50	1.10	0.50	2,400.00	1,760.00	800.00
11	1240	834501	3.5	CY	Removal of Concrete Pole Bases and Cabinet Foundations	900.00	900.00	500.00	3,150.00	3,150.00	1,750.00
12	1255	836503	4	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	275.00	390.00	550.00	1,100.00	1,560.00	2,200.00
13	1265	838503	150	LF	Removal of Cable from Messenger Wire	5.00	1.80	0.20	750.00	270.00	30.00
14	1270	838504	8	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	225.00	41.00	136.00	1,800.00	328.00	1,088.00
15	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	300.00	400.00	2500.00	600.00	800.00	5,000.00
16	1415	817002	60	SF	Permanent Pavement Striping, Symbol/Legend Alkyd-Thermoplastic	12.00	12.00	11.50	720.00	720.00	690.00
17	1140	823001	8	EA	Installation of Sign on Span Wire or Mast Arm	275.00	22.00	50.00	2,200.00	176.00	400.00
18	1560	825001	6	EA	Tubular Markers	75.00	250.00	150.00	450.00	1,500.00	900.00
19	710	802003	20	EA-DY	Arrow Panels, Type C	45.00	41.00	40.00	900.00	820.00	800.00
20	715	803001	24	EA-DY	Furnish & Maintain Portable Changeable Message Board	145.00	165.00	125.00	3,480.00	3,960.00	3,000.00
21	720	804001	8	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	390.00	100.00	1,800.00	3,120.00	800.00
22	725	805001	600	EA-DY	Plastic Drums	4.00	2.87	4.00	2,400.00	1,722.00	2,400.00
23	730	806001	4	HR	Traffic Officers	75.00	75.00	75.00	3,000.00	3,000.00	3,000.00
24	735	808002	16	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	250.00	500.00	3,520.00	4,000.00	8,000.00
25	745	810001	160	EA-DY	Temporary Warning Signs and Plaques	18.00	18.00	25.00	2,880.00	2,880.00	4,000.00
26	750	811001	160	HR	Flagger, New Castle County, State	84.00	74.85	67.00	13,440.00	11,976.00	10,720.00
27	765	811013	40	HR	Flagger, New Castle County, State, Overtime	122.00	112.30	100.00	4,880.00	4,492.00	4,000.00
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TOTAL TRAFFIC CONTRACTOR ITEMS						→	→		88,572.50	84,011.50	95,378.00

INTERSECTION # 1: **N262 - SR 41 (Newport Gap Pike) at Loveville Road/McKennans Church Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller(includes Mounting Rack w/Power Supply, 5-4 Channel Loop Amplifiers, Load Switches, Conflict Monitor)	13450.00	13450.00	13450.00	13,450.00	13,450.00	13,450.00
2	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2751.00	2751.00	2,751.00	2,751.00	2,751.00
3	2175	999489	4	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2-60' Arms)	8818.16	8818.16	8818.16	35,272.64	35,272.64	35,272.64
4	2225	999499	4	EA	50' (15.2m) Steel Round Mast Arm	7941.44	7941.44	7941.44	31,765.76	31,765.76	31,765.76
5	2355	999527	4	EA	Set of Four, 2' x 90" (51mm x 2286mm) Anchor Bolts with Two Hex Nuts and Two Flat Washers Per Bolt	978.00	978.00	978.00	3,912.00	3,912.00	3,912.00
6	2435	999601	24	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	115.00	115.00	2,760.00	2,760.00	2,760.00
7	2535	999621	1	EA	CDMA	1200.00	1200.00	1200.00	1,200.00	1,200.00	1,200.00
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TOTAL TRAFFIC SUPPLY ITEMS						→	→	→	91,111.40	91,111.40	91,111.40
TOTAL PROJECT CONTRACTOR ITEMS						→	→	→	61,940.00	63,912.50	90,422.50
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	→	88,572.50	84,011.50	95,378.00
TOTAL TRAFFIC SUPPLY ITEMS						→	→	→	91,111.40	91,111.40	91,111.40
CONTINGENCIES						→	→	→	12,081.20	11,951.77	13,845.60
TOTAL COST						→	→	→	253,705.10	250,987.17	290,757.50

MULTIPLE INTERSECTION SUMMARY

Intersection #1: **N262 - SR 41 (Newport Gap Pike) at Loveville Road/McKennans Church Road**

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	61,940.00	63,912.50	90,422.50
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	→	→	88,572.50	84,011.50	95,378.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	91,111.40	91,111.40	91,111.40
CONTINGENCIES	→	→	→	→	12,081.20	11,951.77	13,845.60
TOTAL	→	→	→	→	253,705.10	250,987.17	290,757.50

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DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
Savannah Road Sidewalk Improvements

CONTRACT #: T201801302
 F.A.P. #: ESTP-S018(19)
 PROJECT: Savannah Road Sidewalk Improvements

INTERSECTION # 1: S319, US9 (Savannah Rd) & Vikings Way (Cape Henlopen HS)						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	ROMMEL	ROMMEL
1	135	846001	400	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut		
2	140	846002	20	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire		
3	305	831545	220	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)		
4	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
5	365	831516	320	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)		
6	440	831523	70	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)		
7	500	831538	40	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)		
8	650	830001	6	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
9	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well		
10	850	834005	3	EA	Pole Base Type 4A		
11	1225	830010	4	EA	Removal of Existing Junction Well		
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TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 1: S319, US9 (Savannah Rd) & Vikings Way (Cape Henlopen HS)						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	ROMMEL	ROMMEL
1	65	832008	550	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.50	1,375.00
2	90	832027	730	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	1,460.00
3	95	832029	160	LF	Furnish & Install #8/2 Wire UF W/ground	5.00	800.00
4	105	832032	100	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	500.00
5	110	832507	350	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	1,400.00
6	125	832504	150	LF	Furnish & Install #8 THHN Stranded Copper	1.00	150.00
7	500	831538	45	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)	29.00	1,305.00
8	630	842005	2	EA	Removal of Electric Service on Wood or Metal Pole	272.00	544.00
9	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	2525.00	2,525.00
10	645	835500	1	EA	Furnish & Install Additional Disconnect Switch	1300.00	1,300.00
11	700	833001	2	EA	Bonding & Grounding Existing Junction Well	200.00	400.00
12	715	802003	6	EA-DY	Arrow Panels, Type C	40.00	240.00
13	720	803001	9	EA-DY	Furnish & Maintain Portable Changeable Message Board	125.00	1,125.00
14	730	805001	210	EA-DY	Plastic Drums	4.00	840.00
15	745	810001	36	EA-DY	Temporary Warning Signs and Plaques	25.00	900.00
16	760	811003	48	HR	Flagger, Sussex County, State	67.00	3,216.00
17	885	836502	3	EA	Furnish & Install Pedestal Pole	1510.00	4,530.00
18	985	837007	6	EA	Furnish & Install Signal Head Backplate	445.00	2,670.00
19	990	837011	1	EA	Realign or Slide Existing Signal Head	255.00	255.00
20	990	837011	1	EA	Realign or Slide Existing Signal Head	255.00	255.00
21	1000	837008	4	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	3,700.00
22	1010	837010	4	EA	Furnish & Install Pedestrian Pushbutton with Sign	350.00	1,400.00
23	1070	844521	1	EA	Install Video Detection Device	565.00	565.00
24	1095	844526	1	EA	Relocate Video Detection Device	850.00	850.00
25	1140	823001	3	EA	Installation of Sign on Span Wire or Mast Arm	50.00	150.00
26	1145	823003	29.3	SF	Removal of Sign on Span Wire or Mast Arm	20.00	586.00
27	1230	831011	40	LF	Removal of Conduit from Wood Pole	2.00	80.00
28	1235	832035	1300	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	650.00
29	1295	847001	2	EA	Installation or Removal of Pole or Post Mounted Cabinet	2000.00	4,000.00
30	NIB003		50	LF	Install CAT-5e Cable	2.10	105.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	37,876.00

INTERSECTION # 1: S319, US9 (Savannah Rd) & Vikings Way (Cape Henlopen HS)						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	ROMMEL	ROMMEL
1	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	460.00
2		999999	1	LS	Gridsmart Video Detection System	19200.00	19,200.00
3							
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10							
TOTAL TRAFFIC SUPPLY ITEMS						→	19,660.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	37,876.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	19,660.00
CONTINGENCIES	→	→	5,753.60
TOTAL COST	→	→	63,289.60

TRAFFIC STATEMENT

Date : NOT YET SENT

DelDOT Traffic
169 Brick Store Landing Rd
Smyrna, Delaware 19977

To : Daniel Macchione
PS&E Project Coordinator

From :
Traffic Systems Design Engineer

Ref : Contract Number : T202004001 F.A.P. # : ESTP-2019(16)
Project Title : Signal Rebuild - US 113 & DE 54

- No Involvement by Traffic
- PS&E Attached, Signal Involvement
- PS&E Attached, ITMS Involvement
- PS&E Attached, Highway Lighting Involvement
- PS&E Attached, Signing Involvement
- Traffic ONLY, Pavement Markings

cc: Eddie Toulson, Traffic Operations Manager
Amanda Davis, Support Services Administrator
Charlanne A. Thornton, Director of Finance
XXXX XXXX, Project Engineer/Designer
Traffic Project File Copy

TRAFFIC PROJECT COST SUMMARY

Signal Rebuild - US 113 & DE 54

T202004001

DESCRIPTION	ENGINEER'S ESTIMATE
TOTAL SIGNAL ESTIMATE	\$387,940.39
TOTAL ITMS ESTIMATE	\$0.00
TOTAL HIGHWAY LIGHTING ESTIMATE	\$0.00
TOTAL ROADWAY SIGNING ESTIMATE	\$789.31

TOTAL ESTIMATE FOR PROJECT ----> \$388,729.69

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
Signal Rebuild - US 113 & DE 54

CONTRACT #: T202004001
F.A.P. #: ESTP-2019(16)
PROJECT: Signal Rebuild - US 113 & DE 54

INTERSECTION # 1: **S160 - US 113 & DE 54**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1							
2							
3							
4							
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TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 1: S160 - US 113 & DE 54

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1	15	835003	1	EA	Cabinet Base Type P	3400.00	3,400.00
2	65	832008	1390	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.50	3,475.00
3	80	832025	1015	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.00	2,030.00
4	90	832027	5070	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.00	10,140.00
5	95	832029	60	LF	Furnish & Install #8/2 wire UF W/ground	5.00	300.00
6	105	832032	70	LF	Furnish & Install 14/4 Traffic Control Cable	5.00	350.00
7	110	832507	1320	LF	Furnish & Install 14/5 Traffic Control Cable	4.00	5,280.00
8	115	832033	150	LF	Furnish & Install 14/9 Traffic Control Cable	5.00	750.00
9	120	832034	730	LF	Furnish & Install 14/16 Traffic Control Cable	5.00	3,650.00
10	125	832504	150	LF	Furnish and Install #8 THHN Stranded Copper	1.00	150.00
11	135	846001	1070	LF	Furnish & Install Loop Wire 1-conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut	30.00	32,100.00
12	140	846002	65	LF	Furnish & Install a 1-1/2 inch Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire	38.00	2,470.00
13		202000	20	CY	Excavation & Embankment	45.00	900.00
14	165	301001	8	CY	Graded Aggregate Base Course, Type B	175.00	1,400.00
15	170	301002	5	CY	Graded Aggregate Base Course, Type B, Patching	345.00	1,725.00
16	175	401026	3	TON	WMA, Superpave, Type C, 160 Gyration, PG 64-22, Patching	287.00	861.00
17	180	401027	4	TON	WMA, Superpave, Type B, 160 Gyration, PG 64-22, Patching	287.00	1,148.00
18	185	401028	7	TON	WMA, Superpave, Bituminous Concrete Base Course, 160 Gyration, PG 64-22, Patching	587.00	4,109.00
19	215	701014	50	LF	Portland Cement Concrete Curb, Type 2	69.00	3,450.00
20	220	701018	35	LF	Integral Portland Cement Concrete Curb and Gutter, Type 1 - 8	80.00	2,800.00
21	245	705001	100	SF	Portland Cement Concrete Sidewalk, 4"	14.00	1,400.00
22	250	705002	160	SF	Portland Cement Concrete Sidewalk, 6"	21.00	3,360.00
23	255	705007	70	SF	Sidewalk Surface Detectable Warning System	57.00	3,990.00
24	270	705010	295	SF	Curb Ramp, Type 5	92.00	27,140.00
25	275	211001	22	SY	Removal of Existing Portland Cement Concrete Pavement, Curb, Sidewalk, Etc.	115.00	2,530.00
26	280	762000	140	LF	Saw Cutting, Bituminous Concrete	3.00	420.00
27	285	762001	30	LF	Saw Cutting, Concrete, Full Depth	6.00	180.00
28	305	831545	480	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)	24.00	11,520.00
29	360	831515	50	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	15.00	750.00
30	365	831516	720	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)	15.00	10,800.00
31	440	831523	50	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	22.50	1,125.00
32	500	831538	30	LF	Furnish and Install 2" Galvanized Steel Conduit (On Structure)	29.00	870.00
33	545	831574	30	LF	Furnish and Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut	3.50	105.00
34	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	2525.00	2,525.00
35	650	830001	6	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1300.00	7,800.00

36	655	830002	2	EA	Conduit Junction Well, Type 4, 20"x42.5" Precast Concrete	1825.00	3,650.00
37	715	802003	15	EA-DY	Arrow Panels, Type C	40.00	600.00
38	720	803001	20	EA-DY	Furnish & Maintain Portable Changeable Message Board	125.00	2,500.00
39	730	805001	320	EA-DY	Plastic Drums	4.00	1,280.00
40	740	808002	15	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	500.00	7,500.00
41	745	810001	80	EA-DY	Temporary Warning Signs and Plaques	25.00	2,000.00
42	760	811003	80	HR	Flagger, Sussex County, State	67.00	5,360.00
43	835	834002	2	EA	Pole Base Type 3A	6500.00	13,000.00
44	850	834005	4	EA	Pole Base Type 4A	950.00	3,800.00
45	870	834008	2	EA	Sheeting for Pole Base	2500.00	5,000.00
46	885	836502	4	EA	Furnish and Install Pedestal Pole	1510.00	6,040.00
47	890	836504	2	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2200.00	4,400.00
48	910	836507	4	EA	Furnish Pedestal Pole Transformer Base	400.00	1,600.00
49	970	837002	42	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	400.00	16,800.00
50	985	837007	14	EA	Furnish & Install Signal Head Backplate	445.00	6,230.00
51	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	1525.00	6,100.00
52	1000	837008	4	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	925.00	3,700.00
53	1055	837509	4	EA	Furnish Pedestrian Pushbutton with Sign	160.00	640.00
54	1140	823001	4	EA	Installation of Sign on Span Wire or Mast Arm	50.00	200.00
55	1165	908001	7	TON	Topsoil	75.00	525.00
56	1170	908514	33	SY	Sodding	60.00	1,980.00
57	1215	838500	2	EA	Removal of Span Wire Attachment	100.00	200.00
58	1225	830010	11	EA	Removal of Existing Junction Well	545.00	5,995.00
59	1230	831011	30	LF	Removal of Conduit from Wood Pole	2.00	60.00
60	1235	832035	4700	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	0.50	2,350.00
61	1240	834501	1	CY	Removal of Concrete Pole Bases and Cabinet Foundations	500.00	500.00
62	1255	836503	2	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40'	550.00	1,100.00
63	1270	838504	16	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	136.00	2,176.00
64	1290	842500	4	EA	Installation or Removal of Pedestrian Button on Wood or Metal Pole	440.00	1,760.00
65	1300	847002	2	EA	Installation or Removal of Base or Pad Mounted Cabinet	2500.00	5,000.00
66	1415	817002	840	SF	Permanent Pavement Striping, Symbol/Legend Alkyd-Thermoplastic	11.50	9,660.00
67	1470	817013	580	LF	Epoxy Resin Paint Pavement Striping, 5" White or Yellow	1.15	667.00
68		817015	2	EA	Preformed Retroreflective Thermoplastic Pavement Markings, Bike Symbol	400.00	800.00
69	1535	817031	360	SF	Removal of Pavement Striping	7.00	2,520.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	280,696.00

INTERSECTION # 1: **S160 - US 113 & DE 54**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						ROMMEL	ROMMEL
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller(includes Mounting Rack w/Power Supply, 5-4 Channel	13950.00	13,950.00
2	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00
3	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00
4	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2,751.00
5	2175	999489	2	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2-60' Arms)	8818.16	17,636.32
6	2225	999499	4	EA	50' (15.2m) Steel Round Mast Arm	7941.44	31,765.76
7	2305	999515	4	EA	10' (3.0M) 4" Round Aluminum Pedestal Pole	130.00	520.00
8	2350	999526	4	EA	17" Cast Aluminum Transformer Base	351.00	1,404.00
9	2425	999554	4	EA	12" Louver	135.00	540.00
10	2435	999601	8	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	920.00
11	2535	999621	1	EA	CDMA	1200.00	1,200.00
12		999999	1	EA	Relocate Bluetooth Device	500.00	500.00
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TOTAL TRAFFIC SUPPLY ITEMS → 71,977.08

TOTAL PROJECT CONTRACTOR ITEMS	→	→	
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	280,696.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	71,977.08
CONTINGENCIES	→	→	35,267.31
TOTAL COST	→	→	387,940.39

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC ROADWAY SIGNING ESTIMATE
Signal Rebuild - US 113 & DE 54

CONTRACT #: T202004001
 F.A.P. #: ESTP-2019(16)
 PROJECT: Signal Rebuild - US 113 & DE 54

PROJECT LOCATION: **Signal Rebuild - US 113 & DE 54**

LINE	ITEM #	QTY	DESCRIPTION - PROJECT CONTRACTOR ITEMS	UOM
1	819018	0	INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON SINGLE SIGN POST	EA
2	819016	0	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" IN DEPTH	EA
3	819017	0	INSTALLATION OF 4" DIAMETER HOLE, GREATER THAN 6" IN DEPTH	EA
4	819019	0	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS	SF

LINE	CODE #	QTY	SIGNING DESCRIPTION	SIZE	UNIT COST	TOTAL COST
5	X13		SALARY, OVER-TIME	EA-HR	40.00	
6	X14		SIGNFIX (FOR ANY SIGN WITH FLASHING BEACONS)	EACH	56.00	
7	X11	0	12' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	34.02	-
7A	X11A	0	15' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	50.00	-
8	X12		6' DELINEATOR POST (W/ BOLT & ETC.)	EACH	5.00	
	X15		Miscellaneous Roadway Signing Fee	EACH	1000.00	

TRAFFIC ONLY PROJECT

9	X1	0	Installation of Sign Posts, 9', 10', 11', 12' in Unpaved Area or Existing Holes	EACH	26.00	-
10	X2		Installation of 4" dia. Hole in Pavement or Concrete	EACH	52.00	
11	X3		Installation of 4" dia. Hole, in Excess of 6" per ea. additional inch drilled in Pavement	EACH	\$52.75	
12	X4		Installation of Street Name Signs	EACH	\$26.38	
13	X5	1	Installation of Signs (Two or More Mounting Holes)	S/F	2.75	2.75
14	X6		Sets, Installation of Sign Bands and Buckles	EACH	52.75	
15	X7	10	Removal of Traffic Signs	EACH	26.38	263.80
16	X8		Removal of Street Name Signs	EACH	26.38	
17	X9	1	Removal of Sign Posts	EACH	1.00	1.00
18	X10		Straightening of Sign Posts	EACH	17.00	
19						

TOTAL FOR LABOR 267.55

TOTAL FOR SIGNING MATERIALS	450.00
TOTAL FOR LABOR	267.55
CONTINGENCIES	71.76
TOTAL ROADSIDE SIGNING COST	\$789.31

TRAFFIC STATEMENT

Date : August 23, 2021

DelDOT Traffic
169 Brick Store Landing Rd
Smyrna, Delaware 19977

To : Daniel Macchione
PS&E Project Coordinator

From : Bret A. Martine, PE, PTOE (Century Engineering)
Traffic Systems Design Engineer

Ref : Contract Number : T201606112 F.A.P. # :
Project Title : PAVEMENT AND REHABILITATION, NORTH XII, 2016

- No Involvement by Traffic
- PS&E Attached, Signal Involvement
- PS&E Attached, ITMS Involvement
- PS&E Attached, Highway Lighting Involvement
- PS&E Attached, Signing Involvement
- PS&E Attached, Pavement Markings Involvement
- Traffic ONLY, Pavement Markings

cc: **Mike Havel, Traffic Operations Manager**
Sandra DiOrrio, Support Services Administrator
Charlanne A. Thornton, Director of Finance
Andy Waslyn, Project Engineer/Designer
Traffic Project File Copy

TRAFFIC PROJECT COST SUMMARY

PAVEMENT AND REHABILITATION, NORTH XII, 2016

T201606112

DESCRIPTION	ENGINEER'S ESTIMATE
TOTAL SIGNAL ADVANCE WORK ONLY ESTIMATE	\$209,220.00
TOTAL SIGNAL ESTIMATE	\$20,560.10
TOTAL ITMS ESTIMATE	\$0.00
TOTAL HIGHWAY LIGHTING ESTIMATE	\$0.00
TOTAL OVERHEAD SIGNING ESTIMATE	\$0.00
TOTAL ROADWAY SIGNING ESTIMATE	\$0.00
MAINTENANCE FEE (5%)	\$0.00

TOTAL ESTIMATE FOR PROJECT ----> **\$229,780.10**

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 1: N232 - DE 7 (Main Street) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: N232 - DE 7 (Main Street) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	1	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	1	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	750	811001	8	HR	Flagger, New Castle County, State						
7	1070	844521	1	EA	Install Video Detection Device						
8	2556	832509	50	LF	Install CAT-5e Cable						
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: N232 - DE 7 (Main Street) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	19200.00	19200.00	19200.00	19,200.00	19,200.00	19,200.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	19,200.00	19,200.00	19,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
TOTAL COST	→	→	→	→	21,120.00	21,120.00	21,120.00

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street) - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street) - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	4	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	4	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	1070	844521	1	EA	Install Video Detection Device						
7	2556	832509	270	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street) - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	19200.00	19200.00	19200.00	19,200.00	19,200.00	19,200.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	19,200.00	19,200.00	19,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
TOTAL COST	→	→	→	→	21,120.00	21,120.00	21,120.00

MULTIPLE INTERSECTION SUMMARY

Intersection #1:	N232 - DE 7 (Main Street) & Old Baltimore Pike - Advance Work ONLY						
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00
	CONTINGENCIES	→	→	→	→	1,920.00	1,920.00
Intersection #2:	N192 - DE 273 & DE 7 (Main Street) - Advance Work ONLY						
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00
	CONTINGENCIES	→	→	→	→	1,920.00	1,920.00
	TOTAL	→	→	→	→	42,240.00	42,240.00
							42,240.00

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	4	EA-DY	Arrow Panels, Type C						
3	730	805001	120	EA-DY	Plastic Drums						
4	740	808002	4	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	1070	844521	2	EA	Install Video Detection Device						
7	2556	832509	400	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	23550.00	23550.00	23550.00	23,550.00	23,550.00	23,550.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	23,550.00	23,550.00	23,550.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
TOTAL COST	→	→	→	→	25,905.00	25,905.00	25,905.00

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	2	EA-DY	Arrow Panels, Type C						
	730	805001	120	EA-DY	Plastic Drums						
	740	808002	2	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
3	1070	844521	2	EA	Install Video Detection Device						
7	2556	832509	580	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	23550.00	23550.00	23550.00	23,550.00	23,550.00	23,550.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	23,550.00	23,550.00	23,550.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
TOTAL COST	→	→	→	→	25,905.00	25,905.00	25,905.00

MULTIPLE INTERSECTION SUMMARY

Intersection #3:	N238 - Old Baltimore Pike & Otts Chapel Road - Advance Work ONLY						
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00
	CONTINGENCIES	→	→	→	→	2,355.00	2,355.00
Intersection #4:	N188 - DE 896 (South College Avenue) & Old Baltimore Pike - Advance Work ONLY						
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00
	CONTINGENCIES	→	→	→	→	2,355.00	2,355.00
	TOTAL	→	→	→	→	51,810.00	51,810.00

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	1	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	1	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	750	811001	8	HR	Flagger, New Castle County, State						
7	1070	844521	1	EA	Install Video Detection Device						
8	2556	832509	200	LF	Install CAT-5e Cable						
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	19200.00	19200.00	19200.00	19,200.00	19,200.00	19,200.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	19,200.00	19,200.00	19,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
TOTAL COST	→	→	→	→	21,120.00	21,120.00	21,120.00

INTERSECTION # 6: N632 - Old Baltimore Pike & Martha Washington Avenue - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 6: N632 - Old Baltimore Pike & Martha Washington Avenue - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	4	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	4	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	1070	844521	2	EA	Install Video Detection Device						
7	2556	832509	560	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 6: N632 - Old Baltimore Pike & Martha Washington Avenue - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	23550.00	23550.00	23550.00	23,550.00	23,550.00	23,550.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	23,550.00	23,550.00	23,550.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
TOTAL COST	→	→	→	→	25,905.00	25,905.00	25,905.00

INTERSECTION # 7: N698 - Old Baltimore Pike & Woodshade Drive - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 7: N698 - Old Baltimore Pike & Woodshade Drive - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	2	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	2	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	1070	844521	1	EA	Install Video Detection Device						
7	2556	832509	220	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 7: N698 - Old Baltimore Pike & Woodshade Drive - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	19200.00	19200.00	19200.00	19,200.00	19,200.00	19,200.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	19,200.00	19,200.00	19,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
TOTAL COST	→	→	→	→	21,120.00	21,120.00	21,120.00

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	4	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	4	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	750	811001	8	HR	Flagger, New Castle County, State						
7	1070	844521	1	EA	Install Video Detection Device						
8	2556	832509	320	LF	Install CAT-5e Cable						
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	19200.00	19200.00	19200.00	19,200.00	19,200.00	19,200.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	19,200.00	19,200.00	19,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
TOTAL COST	→	→	→	→	21,120.00	21,120.00	21,120.00

INTERSECTION # 9: N351 - DE 273 & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 9: N351 - DE 273 & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
2	715	802003	3	EA-DY	Arrow Panels, Type C						
3	730	805001	60	EA-DY	Plastic Drums						
4	740	808002	3	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
5	745	810001	16	EA-DY	Temporary Warning Signs and Plaques						
6	1070	844521	2	EA	Install Video Detection Device						
7	2556	832509	430	LF	Install CAT-5e Cable						
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 9: N351 - DE 273 & Old Baltimore Pike - Advance Work ONLY					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		999999	1	LS	Gridsmart Video Detection System	23550.00	23550.00	23550.00	23,550.00	23,550.00	23,550.00
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	23,550.00	23,550.00	23,550.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
TOTAL COST	→	→	→	→	25,905.00	25,905.00	25,905.00

MULTIPLE INTERSECTION SUMMARY

Intersection #5:	N527 - Old Baltimore Pike & Walther Rd - Advance Work ONLY							
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
	CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
Intersection #6:	N632 - Old Baltimore Pike & Martha Washington Avenue - Advance Work ONLY							
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
	CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
Intersection #7:	N698 - Old Baltimore Pike & Woodshade Drive - Advance Work ONLY							
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
	CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
Intersection #8:	N528 - Old Baltimore Pike & Trevett Boulevard - Advance Work ONLY							
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	19,200.00	19,200.00	19,200.00
	CONTINGENCIES	→	→	→	→	1,920.00	1,920.00	1,920.00
Intersection #9:	N351 - DE 273 & Old Baltimore Pike - Advance Work ONLY							
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
	TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	23,550.00	23,550.00	23,550.00
	CONTINGENCIES	→	→	→	→	2,355.00	2,355.00	2,355.00
	TOTAL	→	→	→	→	115,170.00	115,170.00	115,170.00

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 1: **N232 - DE 7 (Main Street) & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	15	835003	1	EA	Cabinet Base Type P						
2	135	846001	960	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
3	140	846002	10	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire						
4	305	831545	130	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)						
5	355	831514	40	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)						
6	360	831515	20	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)						
7	365	831516	40	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)						
8	440	831523	70	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)						
9	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)						
10	545	831574	20	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut						
11	650	830001	5	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete						
12	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete						
13	850	834005	3	EA	Pole Base Type 4A						
14	1225	830010	2	EA	Removal of Existing Junction Well						
15	1240	834501	1.5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations						
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: **N232 - DE 7 (Main Street) & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	260	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	80	832025	300	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable						
3	90	832027	560	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
4	95	832029	20	LF	Furnish & Install #8/2 Wire UF W/ground						
5	105	832032	75	LF	Furnish & Install 14/4 Traffic Control Cable						
6	110	832507	690	LF	Furnish & Install 14/5 Traffic Control Cable						
7	115	832033	120	LF	Furnish & Install 14/9 Traffic Control Cable						
8	120	832034	160	LF	Furnish & Install 14/16 Traffic Control Cable						
9	125	832504	300	LF	Furnish & Install #8 THHN Stranded Copper						
10	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole						
11	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)						
12	700	833001	1	EA	Bonding & Grounding Existing Junction Well						
13	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)						
14	715	802003	20	EA-DY	Arrow Panels, Type C						
15	720	803001	60	EA-DY	Furnish & Maintain Portable Changeable Message Board						
16	730	805001	350	EA-DY	Plastic Drums						
17	740	808002	12	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II						
18	745	810001	70	EA-DY	Temporary Warning Signs and Plaques						
19	750	811001	96	HR	Flagger, New Castle County, State						
20	780	813001	180	LF-DY	Temporary Barricades, Type III						
21	800	813503	8	SY	Temporary Pedestrian Pathway						
22	885	836502	3	EA	Furnish & Install Pedestal Pole						
23	910	836507	3	EA	Furnish Pedestal Pole Transformer Base						
24	970	837002	8	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount						
25	990	837011	3	EA	Realign or Slide Existing Signal Head						
26	1000	837008	4	EA	Furnish & Install 16" LED Countdown Pedestrian Signal						
27	1010	837010	4	EA	Furnish & Install Pedestrian Pushbutton with Sign						
28	1095	844526	1	EA	Relocate Video Detection Device						
29	1210	838009	60	LF	Removal of Messenger Wire, Cable and Hardware						
30	1235	832035	1375	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
31	1250	836006	1	EA	Remove Pedestal Pole						
32	1260	837500	2	EA	Removal of Signal Head or Pedestrian Head from Pole or Pedestal						
33	1270	838504	2	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm						
34	1290	842500	2	EA	Installation or Removal of Pedestrian Button on Wood or Metal Pole						
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: **N232 - DE 7 (Main Street) & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller (includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13950.00	13950.00	13,950.00	13,950.00	13,950.00
2	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00	550.00	550.00	550.00	550.00
3	2095	999458	1	EA	Patch Cables (One Per Cabinet)	240.00	240.00	240.00	240.00	240.00	240.00
4	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2751.00	2751.00	2,751.00	2,751.00	2,751.00
5	2535	999621	1	EA	CDMA	1200.00	1200.00	1200.00	1,200.00	1,200.00	1,200.00
6											
7											
8											
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	18,691.00	18,691.00	18,691.00
TOTAL PROJECT CONTRACTOR ITEMS						→	→				
TOTAL PROJECT CONTRACTOR ITEMS						→	→				
TOTAL TRAFFIC SUPPLY ITEMS						→	→		18,691.00	18,691.00	18,691.00
CONTINGENCIES						→	→		1,869.10	1,869.10	1,869.10
TOTAL COST						→	→		20,560.10	20,560.10	20,560.10

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street)					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	340	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2											
3											
4											
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9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street)					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	270	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	90	832027	820	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
3	1095	844526	1	EA	Relocate Video Detection Device						
4	1235	832035	770	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
5		801500	1	LS	Maintenance of Traffic, All Inclusive						
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 2: N192 - DE 273 & DE 7 (Main Street)					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

MULTIPLE INTERSECTION SUMMARY

Intersection #1:	N232 - DE 7 (Main Street) & Old Baltimore Pike	TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL TRAFFIC SUPPLY ITEMS	→ →	→ →	18,691.00	18,691.00	18,691.00
		CONTINGENCIES	→ →	→ →	1,869.10	1,869.10	1,869.10
Intersection #2:	N192 - DE 273 & DE 7 (Main Street)	TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL TRAFFIC SUPPLY ITEMS	→ →	→ →			
		CONTINGENCIES	→ →	→ →			
		TOTAL	→ →	→ →	20,560.10	20,560.10	20,560.10

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	500	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2											
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4											
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10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	85	832026	300	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper						
2	1095	844526	2	EA	Relocate Video Detection Device						
3	1235	832035	400	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
4		801500	1	LS	Maintenance of Traffic, All Inclusive						
5											
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 3: N238 - Old Baltimore Pike & Otts Chapel Road					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	820	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
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10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	85	832026	100	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper						
2	90	832027	1100	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
3	1095	844526	2	EA	Relocate Video Detection Device						
4	1235	832035	1230	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
5		801500	1	LS	Maintenance of Traffic, All Inclusive						
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 4: N188 - DE 896 (South College Avenue) & Old Baltimore Pike					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

MULTIPLE INTERSECTION SUMMARY

Intersection #3:	N238 - Old Baltimore Pike & Otts Chapel Road	TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL TRAFFIC SUPPLY ITEMS	→ →	→ →			
		CONTINGENCIES	→ →	→ →			
Intersection #4:	N188 - DE 896 (South College Avenue) & Old Baltimore Pike	TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL PROJECT CONTRACTOR ITEMS	→ →	→ →			
		TOTAL TRAFFIC SUPPLY ITEMS	→ →	→ →			
		CONTINGENCIES	→ →	→ →			
		TOTAL	→ →	→ →			

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
F.A.P. #:
PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	500	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
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TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	1070	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	90	832027	1850	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
3	1095	844526	1	EA	Relocate Video Detection Device						
4	1235	832035	1850	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
5		801500	1	LS	Maintenance of Traffic, All Inclusive						
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7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 5: N527 - Old Baltimore Pike & Walther Rd					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

INTERSECTION # 6: **N632 - Old Baltimore Pike & Martha Washington Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	760	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2	140	846002	30	LF	Furnish & Install a 1 - 1/2" Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire						
3	305	831545	260	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)						
4	355	831514	70	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)						
5	365	831516	30	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)						
6	440	831523	50	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)						
7	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)						
8	650	830001	5	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete						
9	670	830008	4	EA	Adjust or Repair Existing Conduit Junction Well						
10	850	834005	4	EA	Pole Base Type 4A						
11	1225	830010	1	EA	Removal of Existing Junction Well						
12	1240	834501	0.4	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations						
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14											
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TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 6: **N632 - Old Baltimore Pike & Martha Washington Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST			
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL	
1	65	832008	1070	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper							
2	85	832026	60	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper							
3	90	832027	1870	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable							
4	95	832029	55	LF	Furnish & Install #8/2 Wire UF W/ground							
5	105	832032	110	LF	Furnish & Install 14/4 Traffic Control Cable							
6	110	832507	760	LF	Furnish & Install 14/5 Traffic Control Cable							
7	125	832504	130	LF	Furnish & Install #8 THHN Stranded Copper							
8	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole							
9	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)							
10	700	833001	4	EA	Bonding & Grounding Existing Junction Well							
11	710	808501	1	EA-DY	Furnish & Maintain Straight Boom Lift, Up to 80', 4WD (Daily)							
12	715	802003	20	EA-DY	Arrow Panels, Type C							
13	720	803001	60	EA-DY	Furnish & Maintain Portable Changeable Message Board							
14	730	805001	350	EA-DY	Plastic Drums							
15	740	808002	12	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II							
16	745	810001	70	EA-DY	Temporary Warning Signs and Plaques							
17	750	811001	96	HR	Flagger, New Castle County, State							
18	780	813001	200	LF-DY	Temporary Barricades, Type III							
19	800	813503	10	SY	Temporary Pedestrian Pathway							
20	885	836502	4	EA	Furnish & Install Pedestal Pole							
21	910	836507	4	EA	Furnish Pedestal Pole Transformer Base							
22	975	837004	8	EA	Furnish & Install 12" LED Signal Head Section Span Mount							
23	1000	837008	6	EA	Furnish & Install 16" LED Countdown Pedestrian Signal							
24	1010	837010	6	EA	Furnish & Install Pedestrian Pushbutton with Sign							
25	1095	844526	2	EA	Relocate Video Detection Device							
26	1230	831011	30	LF	Removal of Conduit from Wood Pole							
27	1235	832035	2425	LF	Removal of Cable from Conduit or Traffic/Lighting Pole							
28	1250	836006	2	EA	Remove Pedestal Pole							
29	1270	838504	2	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm							
30												
TOTAL PROJECT CONTRACTOR ITEMS						→		→				

INTERSECTION # 6: **N632 - Old Baltimore Pike & Martha Washington Avenue**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
					TOTAL TRAFFIC SUPPLY ITEMS	→		→			
					TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
					TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→		
					TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→		
					CONTINGENCIES	→	→	→	→		
					TOTAL COST	→	→	→	→		

INTERSECTION # 7: **N698 - Old Baltimore Pike & Woodshade Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	450	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 7: **N698 - Old Baltimore Pike & Woodshade Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	970	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	85	832026	100	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper						
3	90	832027	1700	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
4	1095	844526	1	EA	Relocate Video Detection Device						
5	1235	832035	1370	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
6		801500	1	LS	Maintenance of Traffic, All Inclusive						
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 7: **N698 - Old Baltimore Pike & Woodshade Drive**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	500	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	1200	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	85	832026	100	LF	Furnish & Install 1-Conductor #14 AWG Stranded Copper						
3	90	832027	1750	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
4	1095	844526	1	EA	Relocate Video Detection Device						
5	1235	832035	1720	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
6		801500	1	LS	Maintenance of Traffic, All Inclusive						
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 8: N528 - Old Baltimore Pike & Trevett Boulevard					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

INTERSECTION # 9: **N351 - DE 273 & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	135	846001	250	LF	Furnish & Install Loop Wire 1-Conductor #14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut						
2											
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 9: **N351 - DE 273 & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	65	832008	300	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper						
2	90	832027	750	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable						
4	1095	844526	2	EA	Relocate Video Detection Device						
5	1235	832035	680	LF	Removal of Cable from Conduit or Traffic/Lighting Pole						
6		801500	1	LS	Maintenance of Traffic, All Inclusive						
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 9: **N351 - DE 273 & Old Baltimore Pike**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL TRAFFIC SUPPLY ITEMS						→		→			

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→			
CONTINGENCIES	→	→	→	→			
TOTAL COST	→	→	→	→			

MULTIPLE INTERSECTION SUMMARY

Intersection #5:	N527 - Old Baltimore Pike & Walther Rd	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	<table border="1"> <tr><td></td><td></td><td></td></tr> </table>			
		TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→				
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→				
		CONTINGENCIES	→	→	→	→				
TOTAL	→	→	→	→						
Intersection #6:	N632 - Old Baltimore Pike & Martha Washington Avenue	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	<table border="1"> <tr><td></td><td></td><td></td></tr> </table>			
		TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→				
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→				
		CONTINGENCIES	→	→	→	→				
TOTAL	→	→	→	→						
Intersection #7:	N698 - Old Baltimore Pike & Woodshade Drive	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	<table border="1"> <tr><td></td><td></td><td></td></tr> </table>			
		TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→				
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→				
		CONTINGENCIES	→	→	→	→				
TOTAL	→	→	→	→						
Intersection #8:	N528 - Old Baltimore Pike & Trevett Boulevard	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	<table border="1"> <tr><td></td><td></td><td></td></tr> </table>			
		TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→				
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→				
		CONTINGENCIES	→	→	→	→				
TOTAL	→	→	→	→						
Intersection #9:	N351 - DE 273 & Old Baltimore Pike	TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→	<table border="1"> <tr><td></td><td></td><td></td></tr> </table>			
		TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→				
		TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→				
		CONTINGENCIES	→	→	→	→				
TOTAL	→	→	→	→						

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL ESTIMATE

PAVEMENT AND REHABILITATION, NORTH XII, 2016

Pilot Project Where General Contractor Will Be Responsible for Underground & Aboveground Signal Work

CONTRACT #: T201606112
 F.A.P. #:
 PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

LOCATION # 1: W Main St						UNIT COST			TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	1145	823003	22.5	SF	Removal of Sign on Span Wire or Mast Arm						
2	1210	838009	100	LF	Removal of Messenger Wire, Cable and Hardware						
3											
4											
5											
6											
7											
8											
9											
10											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			
TOTAL PROJECT CONTRACTOR ITEMS						→	→		→	→	
CONTINGENCIES						→	→		→	→	
TOTAL COST						→	→		→	→	

G:\Projects\145002.00 (DelDOT Agmt 1679)\T51 (T201606112) - Traffic-ADA Pleasant Valley Rd\PROJECT CONSTRUCTION PHASE\Bidding and Cost Estimates\T201606112_North XII.xlsx\Overhead Signing

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC ROADWAY SIGNING ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

General Contractor Will Be Responsible for Supply and Installation of all Signs

CONTRACT #: T201606112
 F.A.P. #: 0
 PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

PROJECT LOCATION: **PAVEMENT AND REHABILITATION, NORTH XII, 2016**

LINE	ITEM #	QTY	DESCRIPTION - PROJECT CONTRACTOR ITEMS	UOM
1	819018	563	INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON SINGLE SIGN POST	EA
2	819016	9	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" IN DEPTH	EA
3	819017	0	INSTALLATION OF 4" DIAMETER HOLE, GREATER THAN 6" IN DEPTH	EA
4	819019	99	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS	SF
7	819011	126	GALVANIZED TELESCOPING STEEL SIGN POSTS, 12'X2", COMPLETE W/BASEPOSTS & HARDWARE	EA
7A	819023	5	GALVANIZED TELESCOPING STEEL SIGNPOSTS, 15'X2", COMPLETE W/BASEPOSTS & HARDWARE	EA
7B	818002	1565	SUPPLY OF FLAT SHEET ALUMINUM SIGN PANEL, TYPE IX RETROREFLECTIVE SHEETING	SF

LINE	CODE #	QTY	SIGNING DESCRIPTION	SIZE	UNIT COST	TOTAL COST
5	X13		SALARY, OVER-TIME	EA-HR	40.00	
6	X14		SIGNFIX (FOR ANY SIGN WITH FLASHING BEACONS)	EACH	56.00	
7	X11		12' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	34.02	
7A	X11A		15' POSTS (W/ BASEPOST) NEEDED FOR PROJECT OR LOCATION	EACH	50.00	
7B	X11B		FLAT SHEET ALUMINUM SIGN PANELS	SF	12.50	
8	X12		6' DELINEATOR POST (W/ BOLT & ETC.)	EACH	5.00	
	X15		Miscellaneous Roadway Signing Fee	EACH	1000.00	

TRAFFIC ONLY PROJECT						
LINE	CODE #	QTY	DESCRIPTION	SIZE	UNIT COST	TOTAL COST
9	X1		Installation of Sign Posts, 9', 10', 11', 12', 15' in Unpaved Area or Existing Holes	EACH	26.00	
10	X2		Installation of 4" dia. Hole in Pavement or Concrete	EACH	52.00	
11	X3		Installation of 4" dia. Hole, in Excess of 6" per ea. additional inch drilled in Pavement	EACH	\$52.75	
12	X4		Installation of Street Name Signs	EACH	\$26.38	
13	X5		Installation of Signs (Two or More Mounting Holes)	S/F	2.75	
14	X6		Sets, Installation of Sign Bands and Buckles	EACH	52.75	
15	X7		Removal of Traffic Signs	EACH	26.38	
16	X8		Removal of Street Name Signs	EACH	26.38	
17	X9		Removal of Sign Posts	EACH	1.00	
18	X10		Straightening of Sign Posts	EACH	17.00	
19						

TOTAL FOR LABOR	0.00
TOTAL FOR SIGNING MATERIALS	0.00
TOTAL FOR LABOR	0.00
CONTINGENCIES	0.00
TOTAL ROADSIDE SIGNING COST	\$0.00

PERMANENT SIGN SCHEDULE																			
SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-1	1A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1				SOIL	1				
SS-1	1B	W16-6P FYG(24)	1	LEFT ADVANCE TURN ARROW (plaque) - 24x18	24	18	3.0	ADD TO ASSEMBLY		1									
SS-1	2A	D3-1(6)	1	STREET NAME (1 Line)	24	6		REMOVE	1										W Main St
SS-1	2B	R1-1(30)	1	STOP	30	30		REMOVE	1										
SS-1	3A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	5.0	ADD TO ASSEMBLY		2									W Main St Hwy C, 6" / 4"
SS-1	3B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12	6.0	ADD TO ASSEMBLY		2									Browns Ln Hwy C, 6" / 4"
SS-1	3C	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1									
SS-1	3D	S5-2(24)	1	END SCHOOL ZONE - 24x30	24	30	5.0	NEW		1			SOIL	1					
SS-1	4A	R3-8 (MOD)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Right) - 30"x30"	30	30													
SS-1	4B	MOD	1	TOURIST SIGN	24	36													
SS-1	5A	W3-1(36)	1	STOP AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-1	5B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	36	18	4.5	ADD TO ASSEMBLY		1									(Left Arrow) W Main St Browns Ln (Right Arrow) Hwy C, 4"
SS-1	6A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-1	6B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 2188 STOP 10-34
SS-1	7A	W16-7P FYG(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									Install Back to Back with 7D
SS-1	7B	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									Install Back to Back with 7C
SS-1	7C	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-1	7D	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-1	8	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1					Sign will be furnished by DART Install on new 12' post ID 2188 STOP 10-34
SS-1	9	R5-1(30)	1	DO NOT ENTER - 30x30	30	30		REMOVE	1										
SS-1	10	R5-1(36)	2	DO NOT ENTER - 36x36	36	36	18.0	NEW		2			SOIL	2					
SS-1	11	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN											
SS-1	12A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24	8.0												
SS-1	12B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18	4.5												
SS-1	13A	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMOVE	1										
SS-1	13B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 3318 STOP 10-34
SS-1	14A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-1	14B	W16-6P FYG(24)	1	RIGHT ADVANCE TURN ARROW (plaque) - 24x18	24	18	3.0	ADD TO ASSEMBLY		1									
SS-1	14C	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									Sign will be furnished by DART ID 3318 STOP 10-34
SS-1	15A	S5-1-DE(24)	1	SCHOOL SPEED LIMIT XX WHEN CHILDREN ARE PRESENT - 24x30	24	54	9.0	NEW		1			SOIL	1					"20"
SS-1	15B	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0	ADD TO ASSEMBLY		1									
SS-1	16A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-1	16B	W16-9P FYG(24)	1	AHEAD (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-1	17A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-1	17B	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMOVE	1										
SS-1	18A	W16-7P FYG(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									Install Back to Back with 18D
SS-1	18B	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									Install Back to Back with 18C
SS-1	18C	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-1	18D	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-1	19	D4-3-DE	1	BUS STOP (DART)	12	18	1.5	RENEW	1	1			SOIL	1					Sign will be furnished by DART Install on new 12' post ID 2196 STOP 10-34
SS-1	20	S5-1-DE(24)	1	SCHOOL SPEED LIMIT XX WHEN CHILDREN ARE PRESENT - 24x30	24	54		REMOVE											20
SS-1	21	D3-2-DE3	1	DEVELOPMENT NAME	36	16		REMAIN											CHRISTIANA VILLAGE -->
SS-1	22A	R4-17(24)	1	DO NOT DRIVE ON SHOULDER - 24x30	24	30	5.0	ADD TO ASSEMBLY		1									
SS-1	22B	MOD	1	NO TRAFFIC ON SHOULDER	24	30		REMOVE	1										
SS-1	22C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN											
SS-1	23	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36		REMOVE	1										
SS-2	1	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMOVE	1										
SS-2	2A	W16-7P FYG(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									Install Back to Back with 2D
SS-2	2B	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									Install Back to Back with 2C
SS-2	2C	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-2	2D	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-2	3	S5-1-DE(24)	1	SCHOOL SPEED LIMIT XX WHEN CHILDREN ARE PRESENT - 24x30	24	54		REMOVE	1										20
SS-2	4A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-2	4B	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-2	4C	D4-3-DE	1	BUS STOP (DART)	12	18		ADD TO ASSEMBLY		1									Sign will be furnished by DART ID 2410 STOP 10-34
SS-2	5A	S5-3-DE-MOD	1	SCHOOL	60	30													Remove overhead sign
SS-2	5B	R3-8-MOD	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead) - 48"x30"	48	30													Remove overhead sign
SS-2	6A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-2	6B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 2410 STOP 10-34
SS-2	7	S5-1-DE(24)	1	SCHOOL SPEED LIMIT XX WHEN CHILDREN ARE PRESENT - 24x30	24	54	9.0	NEW		1			SOIL	1					"20"
SS-2	8A	R7-202aP-DE1	1	END (plaque - red)	12	6		REMAIN											
SS-2	8B	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN											
SS-2	9A	W16-7P FYG(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									Install Back to Back with 9D
SS-2	9B	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									Install Back to Back with 9C
SS-2	9C	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-2	9D	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-2	10A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-2	10B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1										
SS-2	11A	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	18	8		REMOVE	1										MAIN ST
SS-2	11B	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	36	8		REMOVE	1										BIRCHBROOK DR
SS-2	11C	R1-1(30)	1	STOP	30	30		REMOVE	1										
PAGE TOTALS							231		20	42				18	0	0	0		

PERMANENT SIGN SCHEDULE																			
SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-2	12A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0	ADD TO ASSEMBLY		2									Birchbrook Dr Hwy C, 6"/4" W Main St Hwy C, 6"/4"
SS-2	12B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12	6.0	ADD TO ASSEMBLY		2									
SS-2	12C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-2	13A	M2-1(21)	1	JUNCTION - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
SS-2	13B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			SOIL	1					"7"
SS-2	14	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-2	15	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										
SS-2	16A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-2	16B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	42	9	2.6	ADD TO ASSEMBLY		1									Old Baltimore Pike Hwy C, 4"
SS-2	17	R3-7 L(30)	1	LEFT LANE MUST TURN LEFT - 30"x30"	30	30	6.3	NEW		1			SOIL	1					
SS-2	18	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1					Sign will be furnished by DART ID 2197 STOP 10-34
SS-2	19A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-2	19B	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 2197 STOP 10-34
SS-2	20A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-2	20B	W16-7P FYG(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-2	21A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-2	21B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			SOIL	1					"7"
SS-2	21C	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
SS-2	22A	M4-5(24)	1	TO - 24x12	24	12		REMOVE	1										
SS-2	22B	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12		REMOVE	1										
SS-2	22C	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMOVE	1										273
SS-2	22D	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMOVE	1										
SS-2	23A	R3-7 L(30)	1	LEFT LANE MUST TURN LEFT - 30"x30"	30	30	6.3	NEW		1			SOIL	1					
SS-2	23B	S5-2(24)	1	END SCHOOL ZONE - 24x30	24	30	5.0	ADD TO ASSEMBLY		1									
SS-3	1A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-3	1B	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0	RENEW	1	1			SOIL	1					Install on new post
SS-3	2A	S1-1(36)	1	SCHOOL SIGN (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-3	2B	W16-9P FYG(24)	1	AHEAD (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-3	3A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-3	3B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			SOIL	1					"7"
SS-3	3C	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15	2.2	ADD TO ASSEMBLY		1									
SS-3	4	R3-7 R(30)	2	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30	12.5	NEW		2			SOIL	2					
SS-3	5	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36		REMOVE	1										
SS-3	6A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36		REMAIN											
SS-3	6B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	42	9	2.6	ADD TO ASSEMBLY		1									Old Baltimore Pike Hwy C, 4"
SS-3	6C	D4-3-DE	1	BUS STOP (DART)	12	18		REPOSITION	1	1									ID 2187 STOP 10-40-54
SS-3	7A	W11-8(30)	1	EMERGENCY VEHICLE (Symbol) - 30x30	30	30	6.3	NEW		1			SOIL	1					
SS-3	7B	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30	6.3	ADD TO ASSEMBLY		1									
SS-3	8A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									Old Kings Hwy Hwy C, 6"/4" E Main St Hwy C, 6"/4"
SS-3	8B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	5.0	ADD TO ASSEMBLY		2									
SS-3	8C	W14-2a R	1	NO OUTLET (Arrow right)	36	8	2.0	ADD TO ASSEMBLY		1									
SS-3	8D	W14-2a L	1	NO OUTLET (Arrow left)	36	8	2.0	ADD TO ASSEMBLY		1									
SS-3	8E	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-3	9	W14-2(30)	1	NO OUTLET - 30x30	30	30		REMOVE	1										
SS-3	10	W1-6 L(48)	1	ONE DIRECTIONAL LARGE ARROW (Left) - 48x24	48	24					REMAIN								
SS-3	11A	M4-5(24)	1	TO - 24x12	24	12		REMOVE	1										
SS-3	11B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	RENEW	1	1									
SS-3	11C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	RENEW	1	1									"7"
SS-3	11D	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMAIN											
SS-3	11E	MOD	1	TOURIST SIGN	24	30		REMAIN											
SS-3	12	R3-7 L(30)	1	LEFT LANE MUST TURN LEFT - 30"x30"	30	30	6.3	NEW		1			SOIL	1					
SS-3	13A	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										OLD BALTIMORE PIKE MAIN ST
SS-3	13B	D3-1(9)	2	STREET NAME (1 Line)	24	9		REMOVE	2										
SS-3	13C	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMOVE	1										
SS-3	13D	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										7
SS-3	13E	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15		REMOVE	1										
SS-3	14A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	5.0	NEW		2			SOIL	1					Main St Hwy C, 6"/4" Old Baltimore Pike Hwy B, 6"/4"
SS-3	14B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									
SS-3	15	W11-8(30)	1	EMERGENCY VEHICLE (Symbol) - 30x30	30	30		REMOVE	1										
SS-3	16A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMOVE	1										
SS-3	16B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										"7"
SS-3	16C	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15		REMOVE	1										
SS-3	17	W11-8(30)	1	EMERGENCY VEHICLE (Symbol) - 30x30	30	30	6.3	NEW		1			SOIL	1					
SS-3	18	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMAIN											
SS-3	19A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1									
SS-3	19B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			SOIL	1					"7"
SS-3	20A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	5.0	ADD TO ASSEMBLY		2									Water St Hwy C, 6"/4" E Main St Hwy C, 6"/4"
SS-3	20B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	5.0	ADD TO ASSEMBLY		2									
SS-3	20C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-3	21A	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	24	8		REMOVE	1										Water St
SS-3	21B	R1-1(30)	1	STOP	30	30		REMOVE	1										
SS-3	22	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMAIN											
PAGE TOTALS							206		29	52				20	0	0	0	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS		
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL								
SS-4	1	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1				SOIL	1						
SS-4	2	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN													
SS-4	3	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1												
SS-4	4	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN													
SS-4	5	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	36	30	6.3	NEW		1			SOIL	1							
SS-4	6	R7-4-DE(12)	2	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN													
SS-5	1A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	1B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			SOIL	1					"7"		
SS-5	2A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' post		
SS-5	2B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	3	R1-1(30)	1	STOP	30	30		REMOVE	1												
SS-5	4	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1							
SS-5	5A	R1-1(30)	1	STOP	30	30		REMOVE	1												
SS-5	5B	R1-1(36)	1	STOP	36	36	7.5	ADD TO ASSEMBLY		1											
SS-5	6	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN													
SS-5	7	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1			SOIL	1							
SS-5	8A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' post		
SS-5	8B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	9	R3-7 R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36	9.0	NEW		1			SOIL	1							
SS-5	10	W11-1(30)	1	BICYCLE (Symbol) - 30x30	30	30		REMOVE	1												
SS-5	11	R1-2(48)	1	YIELD	48	48		REMAIN													
SS-5	12A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	36	18	9.0	ADD TO ASSEMBLY		2									E Main St Hwy C, 6 1/4"		
SS-5	12B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	24	18		REMOVE	2										EAST MAIN ST		
SS-5	12C	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12		REMOVE	2										Christiana Rd		
SS-5	12D	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Christiana Rd Hwy B, 6 1/4"		
SS-5	12E	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12	2.0	RENEW	1	1			EX. CONCRETE		1				Install on new 15' post		
SS-5	12F	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24	5.0	RENEW	1	1									273		
SS-5	12G	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15	2.2	RENEW	1	1											
SS-5	13	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1											
SS-5	14A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' post		
SS-5	14B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	15	R10-18a	1	TRAFFIC SIGNAL PHOTO ENFORCED	30	42		REMAIN													
SS-5	16A	M4-5(24)	1	TO - 24x12	24	12		REMOVE	1												
SS-5	16B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										1		
SS-5	16C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24		REMOVE	1										13		
SS-5	16D	M6-1 L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15		REMOVE	1												
SS-5	17A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN													
SS-5	17B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											273		
SS-5	18A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' post		
SS-5	18B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	19A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0						SOIL	2							
SS-5	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque) (Oversized)	48	9	3.0						ADD TO ASSEMBLY						Christiana Rd Hwy C, 4"		
SS-5	20	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1					1		
SS-5	21	R3-8a MOD	2	ADVANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Ahead, Right) - 54"x30"	54	30															
SS-5	22A	M4-5(24)	1	TO - 24x12	24	12	2.0	ADD TO ASSEMBLY		1											
SS-5	22B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0	NEW		1			EX. CONCRETE	1					"1"		
SS-5	22C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15	2.2	ADD TO ASSEMBLY		1											
SS-5	23	D1-3	1	DESTINATION (3 Line)	60	42		REMAIN													
SS-5	24A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN													
SS-5	24B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											7		
SS-5	24C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMAIN													
SS-5	25A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12		REMAIN													
SS-5	25B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											273		
SS-5	25C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN													
SS-5	26A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMAIN													
SS-5	26B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN													
SS-5	26C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMAIN													
SS-5	27	R1-2(48)	1	YIELD	48	48		REMAIN													
PAGE TOTALS							163			20	28			0	19		14	1	2	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-6	1A	W2-2_L(30)	1	SIDE ROAD (Perpendicular - Left) - 30x30	30	30		REMAIN											
SS-6	1B	D14-3-DE	1	ADOPT A HIGHWAY	24	18		REMOVE	1										NEWARK MORNING ROTARY CLUB
SS-6	1C	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									Dixie Line Rd Hwy C, 4"
SS-6	2A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Dixie Line Rd Hwy C, 8"/6"
SS-6	2B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"/4"
SS-6	2C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-6	3A	D3-1(9)	2	STREET NAME (1 Line)	30	9		REMOVE	2										DIXIE LINE RD
SS-6	3B	D3-1(9)	2	STREET NAME (1 Line)	30	9		REMOVE	2										OLD BALTIMORE PK
SS-6	3C	R1-1(30)	1	STOP	30	30		REMOVE	1										
SS-6	4	D14-3-DE	1	ADOPT A HIGHWAY	24	18	3.0	NEW		1			SOIL	1					NEWARK MORNING ROTARY CLUB
SS-6	5A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24		REMAIN											
SS-6	5B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18		REMAIN											
SS-6	6A	W2-2_R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30		REMAIN											
SS-6	6B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	24	18		REMAIN											Dixie Line Rd
SS-7	1A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Preakness Run
SS-7	1B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-7	1C	R1-1(36)	1	STOP	36	36		REMOVE	1										
SS-7	2A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Preakness Run Hwy B, 8"/6"
SS-7	2B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"/4"
SS-7	2C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-7	3A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-7	3B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											OLD POST FARM
SS-7	3C	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											DEERBORNE WOODS
SS-7	4A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-7	4B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											Old Post Farm Deerborne Woods
SS-7	5A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-7	5B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Deerbourne Trail
SS-7	5C	R1-1(36)	1	STOP	36	36		REMOVE	1										
SS-7	6A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Deerbourne Trail Hwy B, 7"/5"
SS-7	6B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"/4"
SS-7	6C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-7	7	W11-3(30)	1	DEER (Symbol) - 30x30	30	30		REMOVE	1										
SS-7	8	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1		1			
SS-7	9	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24	30		REMAIN											
SS-7	10A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										
SS-7	10B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24		REMOVE	1										Pleasant Valley Rd Otts Chapel Rd
SS-7	11A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-7	11B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24	5.0	ADD TO ASSEMBLY		1									(Left Arrow) Otts Chapel Rd Pleasant (Right Arrow) Valley Rd Hwy C, 4"
SS-8	1	W9-2_L(30)	1	LANE ENDS MERGE LEFT - 30x30	30	30		REMOVE	1										
SS-8	2	R1-2(36)	1	YIELD	36	36		REMAIN											
SS-8	3A	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	24	18	6.0	ADD TO ASSEMBLY		2									Otts Chapel Rd Hwy C, 5"/3"
SS-8	3B	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	30	18	7.5	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy C, 5"/3"
SS-8	3C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1					Install on new 12' post
SS-8	4	R1-2(36)	2	YIELD	36	36		REMAIN											
SS-8	5	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMAIN											
SS-8	6	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-8	7	R3-20-DE	1	TURN LANE	18	18		REMAIN											
SS-8	8A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-8	8B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1										
SS-8	9	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMAIN											
SS-8	10	R1-2(36)	1	YIELD	36	36		REMAIN											
SS-8	11A	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	24	18	6.0	RENEW	2	2									Pleasant Valley Rd Hwy C, 5"/3"
SS-8	11B	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	30	18	7.5	RENEW	2	2									Old Baltimore Pike Hwy C, 5"/3"
SS-8	11C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1					Install on new 12' post
SS-8	12A	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN											
SS-8	12B	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMAIN											
SS-8	12C	M5-1_R	1	ADVANCE TURN ARROW (Right - 90)	21	15		REMAIN											
SS-8	13A	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN											
SS-8	13B	M5-1_R	1	ADVANCE TURN ARROW (Right - 90)	21	15		REMAIN											
PAGE TOTALS							156		27	30				8	0	1	0		

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-8	14	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN											
SS-8	15	R3-8b(48)	1	ADVANCE INTERSECTION LANE CONTROL (Left, Ahead, Right) - 48"x36"	48	30		REMAIN											
SS-8	16	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-8	17	R3-20-DE	1	TURN LANE	18	18	2.3	NEW		1			EX. CONCRETE	1		1			
SS-8	18A	R3-9dP	1	END (plaque)	24	12		REMAIN											
SS-8	18B	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	6	12		REMAIN											
SS-8	19	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1		1			
SS-8	20A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-8	20B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24	5.0	ADD TO ASSEMBLY		1									(Left Arrow) Pleasant Valley Rd Otts (Right Arrow) Chapel Rd Hwy C, 4"
SS-8	21A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										Otts Chapel Rd Pleasant Valley Rd
SS-8	21B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24		REMOVE	1										
SS-8	22	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24	30		REMAIN											
SS-9	1	W11-1(30)	1	BICYCLE (Symbol) - 30x30	30	30		REMOVE	1										
SS-9	2A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-9	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											Charlan
SS-9	3A	W2-2 L(30)	1	SIDE ROAD (Perpendicular - Left) - 30x30	30	30		REMAIN											
SS-9	3B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMAIN											Ironside Rd
SS-9	4	W14-2(30)	1	NO OUTLET - 30x30	30	30		REMOVE	1										
SS-9	5A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMOVE	2										Stoddard Rd
SS-9	5B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-9	5C	R1-1(36)	1	STOP	36	36		REMOVE	1										
SS-9	6A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Stoddard Rd Hwy C, 8 1/2"
SS-9	6B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6 1/4"
SS-9	6C	W14-2a R	1	NO OUTLET (Arrow right)	36	8	2.0	ADD TO ASSEMBLY		1									
SS-9	6D	W14-2a L	1	NO OUTLET (Arrow left)	36	8	2.0	ADD TO ASSEMBLY		1									
SS-9	6E	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-9	7	W21-9-DE(36)	1	WATCH FOR TURNING TRAFFIC - 36x36	36	36		REMAIN											
SS-9	8A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-9	8B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											CHARLAN
SS-9	9	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1			SOIL	1					
SS-9	10A	D3-1(9)	2	STREET NAME (1 Line)	30	9		REMOVE	2										Ironside Rd
SS-9	10B	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										Old Baltimore Pike
SS-9	10C	R1-1(36)	1	STOP	36	36		REMOVE	1										
SS-9	11A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Ironside Rd Hwy C, 8 1/2"
SS-9	11B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6 1/4"
SS-9	11C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-9	12A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24		REMAIN											
SS-9	12B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18		REMAIN											
SS-9	13A	W2-2 R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30		REMAIN											
SS-9	13B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMAIN											Ironside Rd
SS-9	14A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-9	14B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											
SS-9	15A	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN											
SS-9	15B	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN											
SS-9	16	W21-9-DE(48)	1	WATCH FOR TURNING TRAFFIC - 48x48	48	48		REMAIN											
SS-10	1A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-10	1B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Four Seasons Pkwy
SS-10	1C	R1-1(36)	1	STOP	36	36		REMOVE	1										
SS-10	2A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Four Seasons Pkwy Hwy B, 6 1/4"
SS-10	2B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6 1/4"
SS-10	2C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-10	3	R1-2(36)	1	YIELD	36	36		REMAIN											
SS-10	4A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-10	4B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											THORNWOOD
SS-10	5A	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN											
SS-10	5B	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN											
SS-10	6	D1-3	1	DESTINATION (3 Line)	36	24		REMAIN											BRADER ELEMENTARY SCHOOL
SS-10	7	D14-3-DE	1	ADOPT A HIGHWAY	24	18		REMAIN											THE NEWARK MORNING ROTARY CLUB
SS-10	8A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24	8.0	NEW		8.0			SOIL	2					
SS-10	8B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18	4.5	ADD TO ASSEMBLY		4.5									
SS-10	9A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-10	9B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Whittaker Rd
SS-10	9C	R1-1(36)	1	STOP	36	36		REMOVE	1										
PAGE TOTALS							138			25	22				9	0	2	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
SS-10	10A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Whittaker Rd Hwy B, 8"6"	
SS-10	10B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"4"	
SS-10	10C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1						
SS-10	11	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24	30		REMAIN												
SS-11	1A	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	30	8		REMAIN											ROBERT L. MELSON LA	
SS-11	1B	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	30	8		REMAIN											OLD BALTIMORE PIKE	
SS-11	1C	R1-1(36)	1	STOP	36	36		REMAIN												
SS-11	2	R4-4-DE	1	RIGHT TURNS YIELD TO BIKE	36	30		REMOVE	1											
SS-11	3A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-11	3B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											The Preserve at Lafayette Hill	
SS-11	4	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1			SOIL	1						
SS-11	5A	W2-2 L(30)	1	SIDE ROAD (Perpendicular - Left) - 30x30	30	30		REMAIN												
SS-11	5B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMAIN											Iron Hill Rd	
SS-11	6A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24	8.0	NEW			8.0		SOIL	2						
SS-11	6B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18	4.5	ADD TO ASSEMBLY			4.5									
SS-11	7A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24		REMOVE	1											
SS-11	7B	OM4-3	1	END OF ROAD OBJECT MARKER	18	18		REMOVE	1											
SS-11	8A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike	
SS-11	8B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Iron Hill Rd	
SS-11	8C	W14-2a R	1	NO OUTLET (Arrow right)	36	8		REMOVE	1											
SS-11	8D	W14-2a L	1	NO OUTLET (Arrow left)	36	8		REMOVE	1											
SS-11	8E	R1-1(36)	1	STOP	36	36		REMOVE	1											
SS-11	9A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5	ADD TO ASSEMBLY		2									Iron Hill Rd Hwy C, 8"6"	
SS-11	9B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"4"	
SS-11	9C	W14-2a R	1	NO OUTLET (Arrow right)	36	8	2.0	ADD TO ASSEMBLY		1										
SS-11	9D	W14-2a L	1	NO OUTLET (Arrow left)	36	8	2.0	ADD TO ASSEMBLY		1										
SS-11	9E	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL		1					
SS-11	10A	W2-2 R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30		REMAIN												
SS-11	10B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	24	18		REMAIN											Iron Hill Rd	
SS-11	11A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-11	11B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											The Preserve at Lafayette Hill	
SS-11	12	W3-5(36)	1	SPEED REDUCTION (Symbol) - 36x36	36	36		REMAIN											SPEED LIMIT 35	
SS-12	1	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24	30		REMAIN												
SS-12	2	D1-2	1	DESTINATION (2 Line)	30	18		REMAIN											IRON HILL PARK	
SS-12	3	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMAIN												
SS-12	4A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36		REMOVE	1											
SS-12	4B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMOVE	1										S College Ave	
SS-13	1	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMOVE	1											
SS-13	2A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									Winterview Way Hwy C, 6"4"	
SS-13	2B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"4"	
SS-13	2C	W14-2a R	1	NO OUTLET (Arrow right)	36	8	2.0	ADD TO ASSEMBLY		1										
SS-13	2D	W14-2a L	1	NO OUTLET (Arrow left)	36	8	2.0	ADD TO ASSEMBLY		1										
SS-13	2E	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL		1					
SS-13	3A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike	
SS-13	3B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Iron Hill Rd	
SS-13	3C	R1-1(36)	1	STOP	36	36		REMOVE	1											
SS-13	4	W14-2(30)	1	NO OUTLET - 30x30	30	30		REMOVE	1											
SS-13	5A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-13	5B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											TERRACES ON IRON HILL	
SS-13	5C	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											ELWIN MANOR	
SS-13	6	R10-7	1	DO NOT BLOCK INTERSECTION	24	30		REMAIN												
SS-13	7A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-13	7B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											TERRACES ON IRON HILL	
SS-13	7C	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											ELWIN MANOR	
SS-13	8A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMAIN											Godwin Dr	
SS-13	8B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12		REMAIN											Old Baltimore Pike	
SS-13	8C	R1-1(36)	1	STOP	36	36		REMAIN												
SS-13	9	R4-18(24)	1	DO NOT PASS ON SHOULDER - 24x30	24	30		REMOVE	1											
SS-13	10	R4-17(24)	1	DO NOT DRIVE ON SHOULDER - 24x30	24	30	5.0	NEW		1			SOIL	1						
SS-13	11A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1						
SS-13	11B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9	ADD TO ASSEMBLY		1									S College Ave Hwy C, 4"	
SS-13	12	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1			SOIL	1						
SS-13	13A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN												
SS-13	13B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-13	14	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1			SOIL	1						
SS-13	15A	R3-8b MOD	1	ADVANCE INTERSECTION LANE CONTROL (Left, Left, Ahead-Right)	42	30		REMAIN											Left, Left, Ahead-Right	
SS-13	15B	MOD	1	SEPTA	24	24		REMAIN											SEPTA	
SS-13	15C	MOD	1	Amtrak	24	24		REMAIN											Amtrak	
SS-13	15D	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN												
PAGE TOTALS							140		20	25		0	13		8	2	0	0		

PERMANENT SIGN SCHEDULE																				
SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
SS-13	16	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMAIN												
SS-13	17	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN												
SS-13	18	D1-3	1	DESTINATION (3 Line)	66	42					REMAIN									
SS-13	19A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN												
SS-13	19B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-13	19C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN												
SS-13	20A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN												
SS-13	20B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-13	20C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN												
SS-13	21A	M4-5(36)	1	TO - 36x18	36	18		REMAIN											White on Blue	
SS-13	21B	M1-1(24)	1	INTERSTATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											95	
SS-13	21C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN											White on Blue	
SS-13	22	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN												
SS-13	23	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1			1			
SS-13	24	R1-2(48)	1	YIELD	48	48		REMAIN												
SS-13	25A	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMOVE	2										S College Ave	
SS-13	25B	D3-1(9)	2	STREET NAME (1 Line)	48	9		REMOVE	2										Old Baltimore Pike	
SS-13	25C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	RENEW	1	1									Move assembly to top of post	
SS-13	25D	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	RENEW	1	1									Move assembly to top of post	
SS-13	25E	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	RENEW	1	1									Move assembly to top of post	
SS-14	1A	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12		REMAIN												
SS-14	1B	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12		REMAIN												
SS-14	1C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24		REMAIN												
SS-14	2A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12		REMAIN												
SS-14	2B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-14	2C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN												
SS-14	3A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN												
SS-14	3B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-14	3C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN												
SS-14	4A	M4-5(36)	1	TO - 36x18	36	18		REMAIN											White on Blue	
SS-14	4B	M1-1(24)	1	INTERSTATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											95	
SS-14	4C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN											White on Blue	
SS-14	5A	D1-3	1	DESTINATION (3 Line)	66	42					REMAIN								(Up Arrow) Elkton (Left Arrow) Glasgow Newark (Right Arrow)	
SS-14	5B	MOD	1	SEPTA	24	24					REMAIN								SEPTA	
SS-14	5C	MOD	1	Amtrak	24	24					REMAIN								Amtrak	
SS-14	5D	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15					REMAIN									
SS-14	6	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1			1			
SS-14	7	R3-8a(48)	1	ANCE INTERSECTION LANE CONTROL (Left, Left - Ahead, Right) - 4	48	30					REMAIN									
SS-14	8A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN												
SS-14	8B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											896	
SS-14	9	R1-2(48)	1	YIELD	48	48		REMAIN												
SS-14	10	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN												
SS-14	11	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24	36		REMAIN												
SS-14	12	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30		REMAIN												
SS-14	13A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	30	36		REMAIN												
SS-14	13B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9		REMAIN											S College Ave	
SS-14	14A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-14	14B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											CANNONSHIRE (Left Arrow)	
SS-14	15A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-14	15B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											Cannonshire (Right Arrow)	
PAGE TOTALS							21			7	5				2	0		2	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-14	16A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12		REMAIN											Battle Dr
SS-14	16B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											Old Baltimore Pike
SS-14	16C	W14-2a R	1	NO OUTLET (Arrow right)	36	8		REMAIN											
SS-14	16D	W14-2a L	1	NO OUTLET (Arrow left)	36	8		REMAIN											
SS-14	16E	R1-1(36)	1	STOP	36	36		REMAIN											
SS-14	17	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	NEW		1			SOIL	1					
SS-15	1A	W2-2 R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30		REMAIN											
SS-15	1B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	24	18		REMAIN											Old Coochs Bridge Rd
SS-15	2A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											Old Baltimore Pike
SS-15	2B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											Old Coochs Bridge Rd
SS-15	3	R1-1(36)	1	STOP	36	36		REMAIN											
SS-15	4A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24					REMAIN								
SS-15	4B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18					REMAIN								
SS-15	5A	W2-2 L(30)	1	SIDE ROAD (Perpendicular - Left) - 30x30	30	30		REMAIN											
SS-15	5B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	24	18		REMAIN											Old Coochs Bridge Rd
SS-15	6A	W2-2 R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30	6.3	NEW		1			SOIL	1					
SS-15	6B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									Dayett Mills Rd Hwy C, 4"
SS-16	1A	W1-7(48)	1	TWO DIRECTIONAL LARGE ARROW - 48x24	48	24					REMAIN								
SS-16	1B	OM4-3	2	END OF ROAD OBJECT MARKER	18	18					REMAIN								
SS-16	2	D1-3	1	DESTINATION (3 Line)	36	42		REMAIN											Coochs Bridge (Right Arrow) Battlefield
SS-16	3A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12		REMAIN											Dayett Mills Rd
SS-16	3B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											Old Baltimore Pike
SS-16	3C	R1-1(36)	1	STOP	36	36		REMAIN											
SS-17	1	D4-3-DE	1	BUS STOP (DART)	12	18		RENEW	1	1			SOIL	1					Sign will be furnished by DART Install on new 12' sign post ID 3245 STOP 055
SS-17	2A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-17	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											ASPEN WOODS SUMMER HILL
SS-17	3	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-17	4A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-17	4B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											ASPEN WOODS SUMMER HILL
SS-17	5	R1-2(30)	1	YIELD	30	30		REMOVE	1										
SS-17	6	R1-2(36)	1	YIELD	36	36	3.9	NEW		1			SOIL	1					
SS-17	7	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-17	8A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	36	18	9.0	ADD TO ASSEMBLY		2									Aspen Dr Hwy C, 8"/6"
SS-17	8B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"/4"
SS-17	8C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-17	9A	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	16	8		REMOVE	1										ASPEN DR
SS-17	9B	R1-1(30)	1	STOP	30	30		REMOVE	1										
SS-17	10	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-17	11A	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-17	11B	D4-3-DE	1	BUS STOP (DART)	12	18		RENEW	1	1			SOIL	1					Sign will be furnished by DART Install on new 12' sign post ID 3246 STOP 055
SS-18	1	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-18	2	D11-1	1	BIKE ROUTE	24	18		REMOVE	1										
SS-18	3A	D3-1(8)	2	STREET NAME (1 Line) Intersection of two subdivision streets	20	8		REMOVE	2										SPLIT RAIL LN
SS-18	3B	D3-1(8)	2	STREET NAME (1 Line) Intersection of two subdivision streets	30	8		REMOVE	2										OLD BALTIMORE PK
SS-18	3C	R1-1(30)	1	STOP	30	30		REMOVE	1										
SS-18	4A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Split Rail Ln Hwy C, 8"/6"
SS-18	4B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"/4"
SS-18	4C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-18	5A	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36		REMOVE	1										
SS-18	5B	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-18	6	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-18	7A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-18	7B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1										
SS-18	8A	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36		REMOVE	1										
SS-18	8B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REPOSITION	1	1									Move to top of post
SS-18	9	D11-1	1	BIKE ROUTE	24	18		REMOVE	1										
SS-18	10A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-18	10B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											THE OAKS
SS-18	11A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
SS-18	11B	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										
SS-18	11C	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24		REPOSITION	1	1									(Left Arrow) Timber Woods Dr Walther Rd (Right Arrow)
SS-18	12	W11-24aP-DE	1	HIDDEN ENTRANCE (plaque)	24	12		REMAIN											
SS-18	13	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
PAGE TOTALS							95			24	20			8	0	0	0		

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-18	14A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-18	14B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											TIMBER FARMS (Left Arrow)
SS-18	15	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-18	16	D11-1	1	BIKE ROUTE	24	18		REMOVE	1										
SS-18	17	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-18	18A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-18	18B	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24	24		REMAIN											
SS-18	19	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-18	20	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											
SS-18	21A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-18	21B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											TIMBER FARMS (Right Arrow)
SS-18	22	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-18	23	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-18	24	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-18	25A	R10-5(30)	1	LEFT ON GREEN ARROW ONLY - 30x36	30	36		REMAIN											
SS-18	25B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-18	26	R1-2(36)	1	YIELD	36	36		REMAIN											
SS-18	27	R4-7(24)	2	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-18	28	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-18	29	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											
SS-18	30A	R2-1-45(24)	1	SPEED LIMIT (45 MPH) - 24x30	24	30		REMAIN											
SS-18	30B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-19	1A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	ADD TO ASSEMBLY		1									
SS-19	1B	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										(Left Arrow) Walther Rd Timber (Right Arrow) Woods Dr
SS-19	1C	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24		REMAIN											
SS-19	2	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36		REMAIN											
SS-19	3A	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36		REMAIN											
SS-19	3B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-19	4A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-19	4B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24	5.0	ADD TO ASSEMBLY		1									Norwegian Woods Dr Martha Washington Ave
SS-19	5	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1										
SS-19	6A	R2-1-45(24)	1	SPEED LIMIT (45 MPH) - 24x30	24	30		REMAIN											
SS-19	6B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-19	7	D4-3-DE	1	BUS STOP (DART)	12	18		RENEW	1	1			SOIL	1					Sign will be furnished by DART Install on new 12' sign post ID 3506 STOP 55
SS-19	8	D11-1	1	BIKE ROUTE	24	18		REMOVE	1										
SS-19	9A	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	30	18	7.5	RENEW	2	2									Norwegian Woods Dr Hwy C, 5'3"
SS-19	9B	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	48	18	12.0	RENEW	2	2									Old Baltimore Pike Hwy B, 6'4"
SS-19	9C	W14-2a_L	1	NO OUTLET (Arrow left)	36	8		REMOVE	1										
SS-19	9D	W14-2a_R	1	NO OUTLET (Arrow right)	36	8		REMOVE	1										
SS-19	9E	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-19	10	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-19	11A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-19	11B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											Norwegian Woods Christiana Green
SS-19	12	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
SS-19	13	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 3507 STOP 55
SS-19	14A	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	36	18	9.0	RENEW	2	2									Martha Washington Ave Hwy C, 5'3"
SS-19	14B	D3-1(18)	2	STREET NAME (2 Line) Posted speed > 40 MPH	48	18	12.0	RENEW	2	2									Old Baltimore Pike Hwy B, 6'4"
SS-19	14C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-19	15	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-19	16	D4-3-DE	1	BUS STOP (DART)	12	18		NEW		1			SOIL	1					Sign will be furnished by DART Install on new 12' sign post ID 3507 STOP 55
SS-20	1A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-20	1B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											Christiana Green (Left Arrow) Norwegian Woods (Right Arrow)
SS-20	2	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1										
PAGE TOTALS								89	28	19				9	0	0	0		

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS	
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL							
SS-20	3	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1											
SS-20	4A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	NEW		1			SOIL	1						
SS-20	4B	W16-8aP	1	ADVANCE STREET NAME (4 - line plaque)	30	24	5.0	ADD TO ASSEMBLY		1									(Left Arrow) Martha Washington Ave Norwegian (Right Arrow) Woods Dr Hwy C, 4"	
SS-20	5A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30		REMOVE	1											
SS-20	5B	D11-1	1	BIKE ROUTE	24	18		REMOVE	1											
SS-20	6	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-20	7A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	RENEW	2	2									Woodshade Dr Hwy B, 8"/6"	
SS-20	7B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	RENEW	2	2									Old Baltimore Pike Hwy B, 6"/4"	
SS-20	7C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-20	7D	OM1-3	1	TYPE 1 OBJECT MARKER	18	18	2.3	RENEW	1	1										
SS-20	8	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1		1				
SS-20	9	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											ID 2601 STOP 55	
SS-20	10	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN												
SS-20	11	R3-7 R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30	30		REMOVE	1											
SS-20	12	D11-1	1	BIKE ROUTE	24	18		REMOVE	1											
SS-20	13A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-20	13B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									Woodshade Dr Hwy C, 4"	
SS-20	14A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-20	14B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN												Woodshade (Left Arrow) Buckingham Place (Left Arrow)
SS-20	15	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											ID 2618 STOP 55	
SS-20	16A	R3-9b(24)	1	TWO-WAY LEFT TURN ONLY (Ground Mounted) - 24"x36"	24	36		REMAIN												
SS-20	16B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN												
SS-20	17A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-20	17B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN												Woodshade (Right Arrow) Buckingham Place (Right Arrow)
SS-20	18A	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1											
SS-20	18B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REPOSITION	1	1									Move to top of sign post	
SS-20	19A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-20	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3	ADD TO ASSEMBLY		1									Woodshade Dr Hwy C, 4"	
SS-20	20	R1-1(36)	1	STOP	36	36		REMAIN												
SS-21	1	D11-1	1	BIKE ROUTE	24	18		REMOVE	1											
SS-21	2A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-21	2B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	30	18		REPOSITION	1	1									(Left Arrow) Trevett Blvd Trefoil Dr (Right Arrow)	
SS-21	3A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1					Install on new 12' sign post	
SS-21	3B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1											
SS-21	4A	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24	30		REMAIN												
SS-21	4B	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN												
SS-21	5A	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN												
SS-21	5B	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1											
SS-21	6A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN												
SS-21	6B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN												RAINTREE VILLAGE (Right Arrow) VARLAND (Left Arrow)
SS-21	7A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMAIN												
SS-21	7B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12		REMAIN												
SS-21	7C	W11-15P(24)	1	TRAIL X-ING (plaque) - 24x18	24	18		REMAIN												BLIND PED X-ING
SS-22	1	R1-2(36)	1	YIELD	36	36	3.9	NEW		1			SOIL	1						
SS-22	2A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2										Trevett Blvd Hwy C, 8"/6"
SS-22	2B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2										Old Baltimore Pike Hwy B, 6"/4"
SS-22	2C	W14-2a_L	1	NO OUTLET (Arrow left)	36	8	2.0	RENEW	1	1										
SS-22	2D	W14-2a_R	1	NO OUTLET (Arrow right)	36	8	2.0	RENEW	1	1										
SS-22	2E	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1						
SS-22	2F	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1											
SS-22	3A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMAIN												
SS-22	3B	W16-7P-MOD	1	DUEL DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12		REMAIN												Dual Downward Diagonal Arrows
SS-22	3C	W11-15P-MOD	1	BLIND PED X-ING (plaque) - 24x18	24	18		REMAIN												BLIND PED X-ING
SS-22	4	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post	
SS-22	5A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1					Install on new 12' sign post	
SS-22	5B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18		REMOVE	1											
SS-22	6	D4-3-DE	1	BUS STOP (DART)	12	18		RENEW	1	1			SOIL	1						Sign will be furnished by DART Install on new 12' sign post ID 2600 STOP 055
PAGE TOTALS							136			30	29			0	0	13	0	1	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-22	7A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMAIN											
SS-22	7B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12		REMAIN											
SS-22	7C	MOD	1	BLIND PED X-ING (plaque) - 24x18	24	18		REMAIN											BLIND PED X-ING
SS-22	8A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-22	8B	D3-2-DE2	1	DEVELOPMENT NAME	36	36		REMAIN											RAINTREE VILLAGE (Left Arrow) VARLAND (Right Arrow)
SS-22	9	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30		REMOVE	1										
SS-22	10A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36	9.0	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-22	10B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	30	18		REPOSITION	1	1									(Left Arrow) Trefoil Dr Trevett Blvd (Right Arrow)
SS-22	11	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	RENEW	1	1			EX. CONCRETE	1					Install on new 12' sign post
SS-22	12	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Existing is mounted to signal pole Install on new 12' sign post
SS-22	13A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMAIN											
SS-22	13B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12		REMAIN											
SS-22	13C	W11-15P-MOD	1	BLIND PED X-ING (plaque) - 24x18	24	18		REMAIN											BLIND PED X-ING
SS-22	14	R1-2(36)	1	YIELD	36	36	3.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-22	15A	D4-3-DE	1	BUS STOP (DART)	12	18		RENEW	1	1			SOIL	1					Sign will be furnished by DART Install on new 12' sign post ID 2619 STOP 055
SS-22	15B	D11-1	1	BIKE ROUTE	24	18		REMOVE	1										
SS-22	16	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMAIN											
SS-22	17	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0	NEW		1			EX. CONCRETE	1			1		
SS-22	18	S1-1(30)	1	SCHOOL SIGN (Symbol) - 30x30	30	30		REMAIN											
SS-22	19A	M2-1(21)	1	JUNCTION - 21x15	21	15		REMAIN											
SS-22	19B	M1-5(30)	1	STATE ROUTE (3 - Digit Sign) - 30x24	30	24		REMAIN											273
SS-22	19C	R8-4(30)	1	EMERGENCY PARKING ONLY - 30x24	30	24		REMAIN											
SS-23	1	W9-2 L(36)	1	LANE ENDS MERGE LEFT - 36x36	36	36		REMOVE	1										
SS-23	2	W4-2 L(36)	1	LANE ENDS (Left) - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-23	3	W9-2 L(36)	1	LANE ENDS MERGE LEFT - 36x36	36	36	9.0	NEW		1			SOIL	1					
SS-23	4A	R1-2(48)	1	YIELD	48	48	6.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-23	4B	R1-2aP-DE(24)	1	TO U-TURNING TRAFFIC (plaque)	24	18	3.0	RENEW	1	1									
SS-23	5	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-23	6A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-23	6B	R3-20-DE	1	TURN LANE	18	18		REMAIN											
SS-23	7	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-23	8	R1-2(48)	1	YIELD	48	48	6.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-23	9A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Christiana Rd Hwy B, 8"6"
SS-23	9B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"4"
SS-23	9C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
SS-23	9D	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
SS-23	9E	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	RENEW	1	1			EX. CONCRETE		1				Install on new 15' sign post
SS-23	10A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Christiana Rd
SS-23	10B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMOVE	2										Old Baltimore Pike
SS-23	10C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REPOSITION	1	1									Move to top of post
SS-23	11	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-23	12A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Christiana Rd Hwy B, 8"6"
SS-23	12B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6"4"
SS-23	12C	R6-1 L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
SS-23	12D	R6-1 R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0	ADD TO ASSEMBLY		1									
SS-23	12E	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0	RENEW	1	1			EX. CONCRETE		1				Install on new 15' sign post
SS-23	13	R1-2(48)	1	YIELD	48	48	6.9	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-23	14	D1-3	1	DESTINATION (3 Line)	72	42	21.0	RENEW		21.0	21.0			SOIL	2				(Up Arrow) Coochs Bridge (Left Arrow) New Castle Newark (Right Arrow)
SS-23	15	D4-3-DE	1	BUS STOP (DART)	12	18	0.0	NEW		1			SOIL	1					ID 2599 STOP 055 (DART SUPPLIED)
SS-23	16A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12		REMAIN											
SS-23	16B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											273
SS-23	16C	M5-1 L	1	ADVANCE TURN ARROW (Left - 90)	21	15		REMAIN											
SS-23	17A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12		REMAIN											
SS-23	17B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											273
SS-23	17C	M6-1 R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15		REMAIN											
SS-23	18	W11-1(30)	1	BICYCLE (Symbol) - 30x30	30	30		REMOVE	1										
SS-23	19	D14-3-DE	1	ADOPT A HIGHWAY	24	18		REMAIN											FULLY CHARGED SBC
SS-23	20	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3	RENEW	1	1			SOIL	1					Install on new 12' sign post
SS-23	21	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
PAGE TOTALS							166			22	30				15	2	1	0	

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	CODE	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (EACH)	Code X11A 15' Post (W/ Basepost) (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
								SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-23	22	D4-3-DE	1	BUS STOP (DART)	12	18	0.0	NEW		1			SOIL	1					ID 2620 STOP 055 (DART SUPPLIED)
SS-23	23	R1-1(36)	1	STOP	36	36		REMAIN											
SS-23	24A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30		REMOVE	1										
SS-23	24B	D1-2(B)	1	DESTINATION (2 Line)	24	12		REPOSITION											FIELDSTREAM DR (Move to top of post)
SS-23	25A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-23	25B	D3-2-DE2	1	DEVELOPMENT NAME	36	32		REMAIN											CHRISTIANA VILLAGE
SS-23	26	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE											ID 2620 STOP 055
SS-24	1	R1-1(36)	1	STOP	36	36		REMAIN											
SS-24	2A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											
SS-24	2B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12		REMAIN											
SS-24	2C	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30		REMAIN											
SS-24	3	D4-3-DE	1	BUS STOP (DART)	12	18		REMOVE	1										ID 2599 STOP 55
SS-24	4A	D3-2-DE1	1	WELCOME TO	36	32		REMAIN											
SS-24	4B	D3-2-DE2	1	DEVELOPMENT NAME	36	24		REMAIN											CHRISTIANA VILLAGE
SS-24	5	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
SS-24	6A	D3-1(9)	2	STREET NAME (1 Line)	42	9		REMAIN											OLD BALTIMORE PIKE
SS-24	6B	D3-1(9)	2	STREET NAME (1 Line)	36	9		REMAIN											FIELDSTREAM DR
SS-24	6C	R1-1(36)	1	STOP	36	36		REMAIN											
SS-24	7	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30		REMAIN											
SS-24	8A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36		REMAIN											
SS-24	8B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	18	9	1.1	ADD TO ASSEMBLY		1									Main St Hwy C, 4"
SS-24	9	D1-3	1	DESTINATION (3 Line)	72	42					REMAIN								(Up Arrow) STANTON (Left Arrow) NEWARK NEW CASTLE (Right Arrow)
SS-24	10A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0	ADD TO ASSEMBLY		2									Maguire St Hwy C, 6 1/4"
SS-24	10B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0	ADD TO ASSEMBLY		2									Old Baltimore Pike Hwy B, 6 1/4"
SS-24	10C	R1-1(36)	1	STOP	36	36	7.5	NEW		1			SOIL	1					
SS-24	11A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12		REMAIN											
SS-24	11B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24		REMAIN											7
SS-24	11C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15		REMAIN											
SS-24	11D	D4-3-DE	1	BUS STOP (DART)	12	18		REMAIN											ID 328 STOP 55
SS-24	11E	MOD	1	W3R	24	36		REMAIN											W3R
PAGE TOTALS							24			2	7				2	0	0	0	
JOB TOTALS							1565			254	309				126	5	9	0	

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC PAVEMENT MARKING ESTIMATE
PAVEMENT AND REHABILITATION, NORTH XII, 2016

CONTRACT # T201606112

F.A.P. # 0

PROJECT: PAVEMENT AND REHABILITATION, NORTH XII, 2016

LINE	CODE #	ITEM #	UOM	STRIPING DESCRIPTION	QTY
1	55	817002	SF	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	10,774
2	70	817005	LF	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 5"	14
3	75	817006	LF	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	47
4	105	817013	LF	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	146,119
5	110	817014	LF	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 10"	694
6	115	817015	EACH	PREFORMED RETROREFLECTIVE THERMOPLASTIC MARKINGS, BIKE SYMBOL	91
7	175	817027	EACH	RAISED/RECESSED PAVEMENT MARKER	595
8	195	817031	SF	REMOVAL OF PAVEMENT STRIPING	200
9	720	824003	EACH	FLEXIBLE DELINEATOR, PERMANENT	43
10					
11					
12					
13					
14					
30					

TRAFFIC STATEMENT

Date : NOT YET SENT

DelDOT Traffic
169 Brick Store Landing Rd
Smyrna, Delaware 19977

To : Daniel Macchione
PS&E Project Coordinator

From : Bret A. Martine, PE, PTOE (Century Engineering)
Traffic Systems Design Engineer

Ref : Contract Number : T202109816 F.A.P. # :
Project Title : Signalized Intersection Developer Improvements (Martin Honda)

- No Involvement by Traffic
- PS&E Attached, Signal Involvement
- PS&E Attached, ITMS Involvement
- PS&E Attached, Highway Lighting Involvement
- PS&E Attached, Signing Involvement
- PS&E Attached, Pavement Markings Involvement
- Traffic ONLY, Pavement Markings

cc: Nick Mogle, Traffic Operations Manager (Interim)
Amanda Davis, Support Services Administrator
Charlanne A. Thornton, Director of Finance
William Conway, Project Engineer/Designer
Traffic Project File Copy

TRAFFIC PROJECT COST SUMMARY

Signalized Intersection Developer Improvements (Martin Honda)

T202109816

DESCRIPTION	ENGINEER'S ESTIMATE
TOTAL SIGNAL ESTIMATE	\$79,636.41
TOTAL ITMS ESTIMATE	\$0.00
TOTAL HIGHWAY LIGHTING ESTIMATE	\$2,365.00
TOTAL ROADWAY SIGNING ESTIMATE	\$0.00
MAINTENANCE FEE (5%)	\$4,100.07

TOTAL ESTIMATE FOR PROJECT ---->

\$86,101.48

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE

Signalized Intersection Developer Improvements (Martin Honda)

CONTRACT #: T202109816

F.A.P. #:

PROJECT: Signalized Intersection Developer Improvements (Martin Honda)

Project contractor items estimated for traffic equipment construction ONLY

INTERSECTION # 1: **N247, DE273 & Marrows Road**

INTERSECTION # 1: N247, DE273 & Marrows Road						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	BYERS
1	355	831514	30	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)		
2	360	831515	20	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)		
3	445	831524	15	LF	Furnish & Install 2-1/2" Galvanized Steel Conduit (Trench)		
4	650	830001	1	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete		
5	835	834002	1	EA	Pole Base Type 3A		
6	850	834005	2	EA	Pole Base Type 4A		
7							
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28							
29							
30							
TOTAL PROJECT CONTRACTOR ITEMS						→	

INTERSECTION # 1: **N247, DE273 & Marrows Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST	TOTAL COST
						BYERS	BYERS
1	65	832008	110	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.30	253.00
2	80	832025	660	LF	Furnish & Install 4-Conductor #18 AWG Shielded Opticom Cable	2.50	1,650.00
3	105	832032	150	LF	Furnish & Install 14/4 Traffic Control Cable	2.50	375.00
4	110	832507	600	LF	Furnish & Install 14/5 Traffic Control Cable	2.65	1,590.00
5	120	832034	500	LF	Furnish & Install 14/16 Traffic Control Cable	4.25	2,125.00
6	715	802003	6	EA-DY	Arrow Panels, Type C	45.00	270.00
7	720	803001	45	EA-DY	Furnish & Maintain Portable Changeable Message Board	145.00	6,525.00
7	725	804001	6	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	1,350.00
8	730	805001	225	EA-DY	Plastic Drums	4.00	900.00
9	735	806001	36	HR	Traffic Officers	75.00	2,700.00
10	740	808002	6	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	1,320.00
11	745	810001	36	EA-DY	Temporary Warning Signs and Plaques	18.00	648.00
12	750	811001	36	HR	Flagger, New Castle County, State	84.00	3,024.00
13	780	813001	36	LF-DY	Temporary Barricades, Type III	6.00	216.00
14	875	836001	1	EA	Installation of Steel Pole (17' to 40')	450.00	450.00
15	885	836502	2	EA	Furnish & Install Pedestal Pole	1350.00	2,700.00
16	910	836507	2	EA	Furnish Pedestal Pole Transformer Base	175.00	350.00
17	970	837002	3	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	1,020.00
18	975	837004	39	EA	Furnish & Install 12" LED Signal Head Section Span Mount	340.00	13,260.00
19	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	950.00	3,800.00
20	1000	837008	2	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	650.00	1,300.00
21	1010	837010	4	EA	Furnish & Install Pedestrian Pushbutton with Sign	250.00	1,000.00
22	1185	838001	515	LF	Furnish & Install Span Wires, 7/16"	8.50	4,377.50
23	1210	838009	335	LF	Removal of Messenger Wire, Cable and Hardware	5.00	1,675.00
24	1225	830010	1	EA	Removal of Existing Junction Well	300.00	300.00
25	1235	832035	780	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	1.50	1,170.00
26	1240	834501	0.4	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations	900.00	360.00
27	1250	836006	2	EA	Remove Pedestal Pole	1500.00	3,000.00
28	1255	836503	1	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	275.00	275.00
29	1260	837500	2	EA	Removal of Signal Head or Pedestrian Head from Pole or Pedestal	150.00	300.00
30	1270	838504	17	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	225.00	3,825.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	62,108.50

INTERSECTION # 1: **N247, DE273 & Marrows Road**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST	TOTAL COST
						BYERS	BYERS
1	2015	999417	2	EA	Hardware & Brackets (Misc. Nuts, Bolts, Brackets for Signal and Signing Items)(1 or 2 depending on i	1000.00	2,000.00
2	2125	999479	1	EA	28' (8.5m) Steel Round Strain Pole	8629.50	8,629.50
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TOTAL TRAFFIC SUPPLY ITEMS	→	10,629.50
TOTAL PROJECT CONTRACTOR ITEMS	→ →	
TOTAL TRAFFIC CONTRACTOR ITEMS	→ →	62,108.50
TOTAL TRAFFIC SUPPLY ITEMS	→ →	10,629.50
CONTINGENCIES	→ →	6,898.41
TOTAL COST	→ →	79,636.41

DELAWARE DEPARTMENT OF TRANSPORTATION
HIGHWAY LIGHTING ESTIMATE
Signalized Intersection Developer Improvements (Martin Honda)

CONTRACT #: T202109816
F.A.P. #:
PROJECT: Signalized Intersection Developer Improvements (Martin Honda)

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST
						BYERS	KRISS	ROMMEL	BYERS
1									
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3									
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TOTAL PROJECT CONTRACTOR ITEMS						→	→		

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST			TOTAL COST
						BYERS	KRISS	ROMMEL	BYERS
1	1190	838002	125	LF	Furnish & Install Span Wires, 1/4"	6.00	4.75	5.00	750.00
2	1195	838003	2	EA	Furnish & Install Dead End Messenger Wire Attachment	250.00	330.00	500.00	500.00
3	1210	838009	110	LF	Removal of Messenger Wire, Cable and Hardware	5.00	2.10	1.00	550.00
4	1315	850011	1	EA	Removal of Luminaire	150.00	44.00	136.00	150.00
5	1320	850517	1	EA	Installation of Luminaire	200.00	51.00	272.00	200.00
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TOTAL TRAFFIC CONTRACTOR ITEMS						→	→		2,150.00

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COS
						BYERS	KRISS	ROMMEL	BYERS
1									
2									
3									
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TOTAL TRAFFIC SUPPLY ITEMS						→	→		
TOTAL PROJECT CONTRACTOR ITEMS						→	→	→	→
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	→	→
TOTAL TRAFFIC SUPPLY ITEMS						→	→	→	→
CONTINGENCIES						→	→	→	→
TOTAL COST						→	→	→	→
									2,150.00
									215.00
									2,365.00

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL ESTIMATE

ERLSP ("J account") SR 41 @ Graves Rd RSA|WF upgrades

CONTRACT #: T200308302
 F.A.P. #: n/a
 PROJECT: ERLSP ("J account") SR 41 @ Graves Rd RSA|WF upgrades

INTERSECTION # 1: (N491) SR 41 @ Graves Rd					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
TOTAL PROJECT CONTRACTOR ITEMS						→			

INTERSECTION # 1: (N491) SR 41 @ Graves Rd					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
1	65	832008	900	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	2.30	2,070.00	2,070.00
2	80	832025	400	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.50	2.85	1,000.00	1,140.00
3	90	832027	250	LF	Furnish & Install 2-Conductor #14 AWG Aluminum Shielded Cable	2.50	2.20	625.00	550.00
4	95	832029	30	LF	Furnish & Install #8/2 wire UF W/ground	4.55	4.95	136.50	148.50
5	105	832032	1400	LF	Furnish & Install 14/4 Traffic Control Cable	2.50	2.60	3,500.00	3,640.00
6	120	832034	250	LF	Furnish & Install 14/16 Traffic Control Cable	4.25	4.10	1,062.50	1,025.00
7	125	832504	20	LF	Furnish and Install #8 THHN Stranded Copper	1.55	2.00	31.00	40.00
8	135	846001	100	LF	Furnish & Install Loop Wire 1-conductor #14 AWG encased in 1/2" Flexible Tubing in a Loop Sawcut	15.00	14.15	1,500.00	1,415.00
9	305	831545	200	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)	29.00	34.00	5,800.00	6,800.00
10	360	831515	25	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	12.00	13.00	300.00	325.00
11	365	831516	500	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)	13.50	13.00	6,750.00	6,500.00
12	440	831523	35	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	18.50	20.20	647.50	707.00
13	630	842005	1	EA	Removal of Electric Service on Wood or Metal Pole	350.00	270.00	350.00	270.00
14	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	1800.00	3180.00	1,800.00	3,180.00
15	650	830001	5	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1100.00	1100.00	5,500.00	5,500.00
16	670	830008	2	EA	Adjust or Repair Existing Conduit Junction Well	500.00	375.00	1,000.00	750.00
17	700	833001	4	EA	Bonding & Grounding Existing Junction Well	400.00	415.00	1,600.00	1,660.00
18	715	802003	10	EA-DY	Arrow Panels, Type C	45.00	41.00	450.00	410.00
19	725	804001	4	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	390.00	900.00	1,560.00
20	730	805001	300	EA-DY	Plastic Drums	4.00	2.87	1,200.00	861.00
21	735	806001	16	HR	Traffic Officers	75.00	75.00	1,200.00	1,200.00
22	740	808002	10	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	250.00	2,200.00	2,500.00
23	745	810001	80	EA-DY	Temporary Warning Signs and Plaques	18.00	18.00	1,440.00	1,440.00
24	750	811001	50	HR	Flagger, New Castle County, State	84.00	74.85	4,200.00	3,742.50
25	765	811013	10	HR	Flagger, New Castle County, State, Overtime	122.00	112.30	1,220.00	1,123.00
26	860	834006	2	EA	Pole Base Type 6	1000.00	900.00	2,000.00	1,800.00
27	885	836502	2	EA	Furnish and Install Pedestal Pole	1350.00	930.00	2,700.00	1,860.00
28	970	837002	4	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	345.00	1,360.00	1,380.00
29	975	837004	30	EA	Furnish & Install 12" LED Signal Head Section Span Mount	340.00	335.00	10,200.00	10,050.00
30	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	950.00	735.00	3,800.00	2,940.00
31	1135	822500	4	EA	Install Overhead Sign	300.00	22.00	1,200.00	88.00
32	1200	838006	1	EA	Adjustment of Span or Messenger Wire	700.00	600.00	700.00	600.00
33	1235	832035	80	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	1.50	1.10	120.00	88.00
34	1240	834501	1	CY	Removal of Concrete Pole Bases and Cabinet Foundations	900.00	900.00	900.00	900.00
35	1250	836006	1	EA	Remove Pedestal Pole	1500.00	47.00	1,500.00	47.00
36	1270	838504	8	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	225.00	41.00	1,800.00	328.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→		72,762.50	68,638.00

INTERSECTION # 1: (N491) SR 41 @ Graves Rd					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	BYERS	KRISS
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller(includes Mounting Rack w/Power Supply, 5-4 Ch	13950.00	13950.00	13,950.00	13,950.00
2	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00	550.00	550.00
3	2105	999461	1	EA	Optical Receiver Card (Emergency Preemption)	2751.00	2751.00	2,751.00	2,751.00
TOTAL TRAFFIC SUPPLY ITEMS						→		17,251.00	17,251.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→		
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	72,762.50	68,638.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	17,251.00	17,251.00
CONTINGENCIES	→	→	4,500.68	4,294.45
TOTAL COST	→	→	94,514.18	90,183.45

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC ITMS ESTIMATE
ERLSP ("J account") SR 41 @ Graves Rd RSA|WF upgrades

CONTRACT # T200308302
 F.A.P. # n/a
 PROJECT: ERLSP ("J account") SR 41 @ Graves Rd RSA|WF upgrades

ITMS						UNIT COST		TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
TOTAL PROJECT CONTRACTOR ITEMS						→		0.00	0.00

ITMS						UNIT COST		TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
TOTAL TRAFFIC CONTRACTOR ITEMS						→		0.00	0.00

ITMS						UNIT COST		TOTAL COST	
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	BYERS	KRISS
1	2535	999621	1	EA	CDMA	1200.00	1200.00	1,200.00	1,200.00
TOTAL TRAFFIC SUPPLY ITEMS						→		1,200.00	1,200.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→		0.00	0.00
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→		0.00	0.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→		1,200.00	1,200.00
CONTINGENCIES	→	→		60.00	60.00
TOTAL COST	→	→		1,260.00	1,260.00

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL ESTIMATE

Sweetbriar Rd @ Georgetown-Lewes Trail RRFB

CONTRACT #: T202204001
 F.A.P. #: ESTP-2022(06)
 PROJECT: Sweetbriar Rd @ Georgetown-Lewes Trail RRFB

INTERSECTION # 1: (S401) Sweetbriar Rd @ GLT					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
TOTAL PROJECT CONTRACTOR ITEMS						→			

INTERSECTION # 1: (S401) Sweetbriar Rd @ GLT					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	KRISS	BYERS	KRISS
1	65	832008	110	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	2.30	253.00	253.00
2	95	832029	85	LF	Furnish & Install #8/2 wire UF W/ground	4.55	4.95	386.75	420.75
3	105	832032	110	LF	Furnish & Install 14/4 Traffic Control Cable	2.50	2.60	275.00	286.00
4	115	832033	110	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	3.20	352.00	352.00
5	125	832504	20	LF	Furnish and Install #8 THHN Stranded Copper	1.55	2.00	31.00	40.00
6	360	831515	30	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	12.00	13.00	360.00	390.00
7	440	831523	60	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	18.50	20.20	1,110.00	1,212.00
8	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	1800.00	3180.00	1,800.00	3,180.00
9	670	830008	3	EA	Adjust or Repair Existing Conduit Junction Well	500.00	375.00	1,500.00	1,125.00
10	715	802003	4	EA-DY	Arrow Panels, Type C	45.00	41.00	180.00	164.00
11	730	805001	150	EA-DY	Plastic Drums	4.00	2.87	600.00	430.50
12	735	806001	16	HR	Traffic Officers	75.00	75.00	1,200.00	1,200.00
13	740	808002	4	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	250.00	880.00	1,000.00
14	745	810001	80	EA-DY	Temporary Warning Signs and Plaques	18.00	18.00	1,440.00	1,440.00
15	760	811003	50	HR	Flagger, Sussex County, State	78.00	70.00	3,900.00	3,500.00
16	775	811015	10	HR	Flagger, Sussex County, State, Overtime	113.00	104.50	1,130.00	1,045.00
17	780	813001	100	LF-DY	Temporary Barricades, Type III	6.00	8.00	600.00	800.00
18	840	834003	1	EA	Pole Base Type 3B	4900.00	4740.00	4,900.00	4,740.00
19	860	834006	4	EA	Pole Base Type 6	1000.00	900.00	4,000.00	3,600.00
20	885	836502	4	EA	Furnish and Install Pedestal Pole	1350.00	930.00	5,400.00	3,720.00
21	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00	1580.00	2,000.00	1,580.00
22	970	837002	4	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	345.00	1,360.00	1,380.00
23	970	837002	4	EA	Furnish & Install 12" LED RRFB Signal Head Section Rigid Mount	340.00	345.00	1,360.00	1,380.00
24	1010	837010	2	EA	Furnish & Install Pedestrian Pushbutton with Sign	250.00	240.00	500.00	480.00
25	1070	844521	1	EA	Install Video Detection Device	500.00	900.00	500.00	900.00
26	1135	822500	14	EA	Install Overhead Sign	300.00	22.00	4,200.00	308.00
27	1295	847001	1	EA	Installation or Removal of Pole or Post Mounted Cabinet	225.00	390.00	225.00	390.00
28	N.I.B.		5	EA	Dual RRFB units w/ Dual Confirmation light (back to back mounting) AC powered	2891.10	2891.10	14,455.50	14,455.50
29	N.I.B.		2	EA	Control Cabinet with ventilation and thermostatic controlled fan DT-26	4582.75	4582.75	9,165.50	9,165.50
30	N.I.B.		3	EA	Pushbutton Assembly	236.90	236.90	710.70	710.70
31	N.I.B.		1	EA	Flasher Control System	419.75	419.75	419.75	419.75
32	N.I.B.		1	EA	Gridsmart Detection System (includes camera and processor)	21275.00	21275.00	21,275.00	21,275.00
33	N.I.B.		1	EA	Gridsmart Processor GS-3-GS2 with Performance S/W	16100.00	16100.00	16,100.00	16,100.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→		102,569.20	97,442.70

INTERSECTION # 1: (S401) Sweetbriar Rd @ GLT					UNIT COST		TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	BYERS	KRISS
1	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2-60' Arms)	9784.60	9784.60	9,784.60	9,784.60
2	2220	999498	1	EA	45' (13.7m) Steel Round Mast Arm	11774.00	11774.00	11,774.00	11,774.00
TOTAL TRAFFIC SUPPLY ITEMS						→		21,558.60	21,558.60

TOTAL PROJECT CONTRACTOR ITEMS	→	→		
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	102,569.20	97,442.70
TOTAL TRAFFIC SUPPLY ITEMS	→	→	21,558.60	21,558.60
CONTINGENCIES	→	→	6,206.39	5,950.07
TOTAL COST	→	→	130,334.19	124,951.37

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL ESTIMATE

CTF (Sen. Lopez): Sweetbriar Rd @ Sussex Consortium school flasher installation

CONTRACT #: T202204304
 F.A.P. #: n/a
 PROJECT: CTF (Sen. Lopez): Sweetbriar Rd @ Sussex Consortium school flasher installation

INTERSECTION # 1: (S412) Sweetbriar Rd @ Sussex Consortium						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	KRISS	KRISS
TOTAL PROJECT CONTRACTOR ITEMS							

INTERSECTION # 1: (S412) Sweetbriar Rd @ Sussex Consortium						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	KRISS	KRISS
1	65	832008	1560	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	3,588.00
2	95	832029	950	LF	Furnish & Install #8/2 wire UF W/ground	4.95	4,702.50
3	105	832032	1560	LF	Furnish & Install 14/4 Traffic Control Cable	2.60	4,056.00
4	125	832504	50	LF	Furnish and Install #8 THHN Stranded Copper	2.00	100.00
5	305	831545	720	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)	34.00	24,480.00
6	360	831515	55	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	13.00	715.00
7	365	831516	790	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)	13.00	10,270.00
8	440	831523	40	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	20.20	808.00
9	545	831574	600	LF	Furnish and Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut	5.30	3,180.00
10	565	831578	330	LF	Furnish and Install Second and Subsequent Additional 4" HDPE 13.5 SDR Conduit Conduits in Directi	18.50	6,105.00
11	580	831581	5	LF	Furnish and Install Second and Subsequent Additional 2" Galvanized Steel Conduit in Trench or Open	16.00	80.00
12	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	3180.00	3,180.00
13	645	835500	1	EA	Furnish & Install Additional Disconnect Switch	3800.00	3,800.00
14	650	830001	9	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1100.00	9,900.00
15	715	802003	10	EA-DY	Arrow Panels, Type C	41.00	410.00
16	730	805001	300	EA-DY	Plastic Drums	2.87	861.00
17	740	808002	10	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	250.00	2,500.00
18	745	810001	80	EA-DY	Temporary Warning Signs and Plaques	18.00	1,440.00
19	760	811003	50	HR	Flagger, Sussex County, State	70.00	3,500.00
20	775	811015	10	HR	Flagger, Sussex County, State, Overtime	104.50	1,045.00
21	860	834006	2	EA	Pole Base Type 6	900.00	1,800.00
22	885	836502	2	EA	Furnish and Install Pedestal Pole	930.00	1,860.00
23	970	837002	4	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	345.00	1,380.00
24	1135	822500	2	EA	Install Overhead Sign	22.00	44.00
25	1415	817002	60	SF	Permanent Pavement Striping, Symbol/Legend Alkyd-Thermoplastic	12.00	720.00
TOTAL TRAFFIC CONTRACTOR ITEMS							90,524.50

INTERSECTION # 1: (S412) Sweetbriar Rd @ Sussex Consortium						UNIT COST	TOTAL COST
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	KRISS	KRISS
1	2035	999424	1	EA	Pole Mounted Cabinet	1200.00	1,200.00
TOTAL TRAFFIC SUPPLY ITEMS							1,200.00

TOTAL PROJECT CONTRACTOR ITEMS	
TOTAL TRAFFIC CONTRACTOR ITEMS	90,524.50
TOTAL TRAFFIC SUPPLY ITEMS	1,200.00
CONTINGENCIES	9,172.45
TOTAL COST	100,896.95

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
Mill Creek Fire Company, Station 21 Fire Signal

CONTRACT #: T201909906
 F.A.P. #: N/A
 PROJECT: Mill Creek Fire Company, Station 21 Fire Signal

INTERSECTION # 1: **N-837 Mill Creek Fire Company, Sta. 21**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1											
2											
3											
4											
5											
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: **N-837 Mill Creek Fire Company, Sta. 21**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	15	835003	1	EA	Cabinet Base Type P	1200.00	1200.00	3400.00	1,200.00	1,200.00	3,400.00
2	65	832008	486	LF	Furnish & Install 1-conductor #6 AWG Stranded Copper	2.30	2.30	2.50	1,117.80	1,117.80	1,215.00
3	80	832025	615	LF	Furnish & Install 4-conductor #18 AWG Shielded Opticom Cable	2.50	2.85	2.00	1,537.50	1,752.75	1,230.00
4	95	832029	85	LF	Furnish & Install #8/2 wire UF W/ground	4.55	4.95	5.00	386.75	420.75	425.00
5	105	832032	440	LF	Furnish & Install 14/4 Traffic Control Cable	2.50	2.60	5.00	1,100.00	1,144.00	2,200.00
6	115	832033	350	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	3.20	5.00	1,120.00	1,120.00	1,750.00
7	305	831545	403	LF	Furnish and Install 4" HDPE SDR-13.5 Conduit (Bore)	29.00	34.00	24.00	11,687.00	13,702.00	9,672.00
8	360	831515	30	LF	Furnish and Install 3" Schedule 80 PVC Conduit (Trench)	12.00	13.00	15.00	360.00	390.00	450.00
9	365	831516	12	LF	Furnish and Install 4" Schedule 80 PVC Conduit (Trench)	13.50	13.00	15.00	162.00	156.00	180.00
10	440	831523	9	LF	Furnish and Install 2" Galvanized Steel Conduit (Trench)	18.50	20.20	22.50	166.50	181.80	202.50
11	470	831528	55	LF	Furnish and Install 2" Galvanized Steel Conduit (Bore)	35.00	35.00	46.00	1,925.00	1,925.00	2,530.00
12	545	831574	12	LF	Furnish and Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut	5.50	5.30	3.50	66.00	63.60	42.00
12	635	842501	1	EA	Furnish & Install Electrical Utility Service Equipment (100 AMP)	1800.00	3180.00	2525.00	1,800.00	3,180.00	2,525.00
13	650	830001	3	EA	Conduit Junction Well, Type 1, 20"x20" Precast Concrete	1100.00	1100.00	1300.00	3,300.00	3,300.00	3,900.00
14	655	830002	1	EA	Conduit Junction Well, Type 4, 20"x42.5" Precast Concrete	1400.00	1300.00	1825.00	1,400.00	1,300.00	1,825.00
15	710	802003	25	EA-DY	Arrow Panels, Type C	45.00	41.00	40.00	1,125.00	1,025.00	1,000.00
31	715	803001	40	EA-DY	Furnish & Maintain Portable Changeable Message Board	145.00	165.00	125.00	5,800.00	6,600.00	5,000.00
16	720	804001	6	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	390.00	100.00	1,350.00	2,340.00	600.00
17	725	805001	540	EA-DY	Plastic Drums	4.00	2.87	4.00	2,160.00	1,549.80	2,160.00
20	730	806001	32	HR	Traffic Officers	75.00	75.00	75.00	2,400.00	2,400.00	2,400.00
18	735	808002	23	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	250.00	500.00	5,060.00	5,750.00	11,500.00
19	745	810001	100	EA-DY	Temporary Warning Signs and Plaques	18.00	18.00	25.00	1,800.00	1,800.00	2,500.00
21	750	811001	64	HR	Flagger, New Castle County, State	84.00	74.85	67.00	5,376.00	4,790.40	4,288.00
22	840	834003	2	EA	Pole Base Type 3B	4900.00	4740.00	7600.00	9,800.00	9,480.00	15,200.00
23	850	834005	2	EA	Pole Base Type 4	900.00	700.00	950.00	1,800.00	1,400.00	1,900.00
24	885	836502	2	EA	Furnish and Install Pedestal Pole	1350.00	930.00	1510.00	2,700.00	1,860.00	3,020.00
25	890	836504	1	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00	1580.00	2200.00	2,000.00	1,580.00	2,200.00
26	895	836500	1	EA	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	4500.00	3100.00	1632.00	4,500.00	3,100.00	1,632.00
27	970	837002	18	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	345.00	400.00	6,120.00	6,210.00	7,200.00
29	985	837007	6	EA	Furnish & Install Signal Head Backplate	325.00	300.00	445.00	1,950.00	1,800.00	2,670.00
28	995	844001	4	EA	Furnish & Install Opticom Emergency Preemption Detector	950.00	735.00	1525.00	3,800.00	2,940.00	6,100.00
30	1135	822500	2	EA	Install Overhead Sign	300.00	22.00	50.00	600.00	44.00	100.00
33	1415	817002	150	SF	Permanent Pavement Striping, Symbol/Legend Alkyd-Thermoplastic	12.00	12.00	11.50	1,800.00	1,800.00	1,725.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	→	87,469.55	87,422.90	102,741.50

INTERSECTION # 1: **N-837 Mill Creek Fire Company, Sta. 21**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	2020	999421	1	EA	Complete P Cabinet w/12 Channel EPAC Controller(includes Mounting Rack w/Power Supply, 5-4 C	13450.00	13450.00	13450.00	13,450.00	13,450.00	13,450.00
2	2050	999427	1	EA	Base Extension (split) Aluminum w/Natural Mill Finish	550.00	550.00	550.00	550.00	550.00	550.00
3	2175	999489	1	EA	Steel Round Mast Arm Pole, TYPE B (45' - 60' Arm Length or 2-60' Arms)	8818.16	8818.16	8818.16	8,818.16	8,818.16	8,818.16
4	2180	999490	1	EA	Steel Round Mast Arm Pole, TYPE C (70' - 90' Arm Length)	10885.68	10885.68	10885.68	10,885.68	10,885.68	10,885.68
5	2230	999500	1	EA	55' (16.8m) Steel Round Mast Arm	8641.36	8641.36	8641.36	8,641.36	8,641.36	8,641.36
6	2240	999502	1	EA	70' (21.3m) Steel Round Mast Arm	12776.40	12776.40	12776.40	12,776.40	12,776.40	12,776.40
7	2535	999621	1	EA	CDMA	1200.00	1200.00	1200.00	1,200.00	1,200.00	1,200.00
8	2435	999601	4	EA	Rouleau Sign Brackets (2 per average sign, 3 per longer sign)	115.00	115.00	115.00	460.00	460.00	460.00
9											
10											
TOTAL TRAFFIC SUPPLY ITEMS						→		→	56,781.60	56,781.60	56,781.60
TOTAL PROJECT CONTRACTOR ITEMS						→	→	→			
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	→	87,469.55	87,422.90	102,741.50
TOTAL TRAFFIC SUPPLY ITEMS						→	→	→	56,781.60	56,781.60	56,781.60
CONTINGENCIES						→	→	→	14,425.12	14,420.45	15,952.31
TOTAL COST						→	→	→	158,676.27	158,624.95	175,475.41

MULTIPLE INTERSECTION SUMMARY

Intersection #1:

N-837 Mill Creek Fire Company, Sta. 21

TOTAL PROJECT CONTRACTOR ITEMS	→	→	→	→			
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	→	→	87,469.55	87,422.90	102,741.50
TOTAL TRAFFIC SUPPLY ITEMS	→	→	→	→	56,781.60	56,781.60	56,781.60
CONTINGENCIES	→	→	→	→	14,425.12	14,420.45	15,952.31
TOTAL	→	→	→	→	158,676.27	158,624.95	175,475.41

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL ESTIMATE
E. 4th Street @ N. Church Street (2016 HEP, Site N)

CONTRACT #: T201800402
 F.A.P. #: ESTP-2018(10)
 PROJECT: E. 4th Street @ N. Church Street (2016 HEP, Site N)

INTERSECTION # 1: W771 - E. 4th Street @ N. Church Street					UNIT COST			TOTAL COST			
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→		→			

INTERSECTION # 1: **W771 - E. 4th Street @ N. Church Street**

LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	UNIT COST			TOTAL COST		
						BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	15	835003	1	EA	Cabinet Base Type P	1200.00	1200.00	3400.00	1,200.00	1,200.00	3,400.00
2	65	832008	845	LF	Furnish & Install 1-Conductor #6 AWG Stranded Copper	2.30	2.30	2.50	1,943.50	1,943.50	2,112.50
3	95	832029	140	LF	Furnish & Install #8/2 Wire UF W/ground	4.55	4.95	5.00	637.00	693.00	700.00
4	105	832032	1310	LF	Furnish & Install 14/4 Traffic Control Cable	2.50	2.60	5.00	3,275.00	3,406.00	6,550.00
5	110	832507	765	LF	Furnish & Install 14/5 Traffic Control Cable	2.65	2.75	4.00	2,027.25	2,103.75	3,060.00
6	115	832033	365	LF	Furnish & Install 14/9 Traffic Control Cable	3.20	3.20	5.00	1,168.00	1,168.00	1,825.00
7	125	832504	100	LF	Furnish & Install #8 THHN Stranded Copper	1.55	2.00	1.00	155.00	200.00	100.00
8	250	705002	900	SF	Portland Cement Concrete Sidewalk, 6"	28.00	38.00	21.00	25,200.00	34,200.00	18,900.00
9	255	705007	36	SF	Sidewalk Surface Detectable Warning System	57.00	65.00	57.00	2,052.00	2,340.00	2,052.00
10	265	705009	750	SF	Curb Ramp, Type 2, 3 and/or 4	33.00	45.00	92.00	24,750.00	33,750.00	69,000.00
11	275	211001	95	SY	Removal of Existing Portland Cement Concrete Pavement, Curb, Sidewalk, Etc.	110.00	185.00	115.00	10,450.00	17,575.00	10,925.00
12	285	762001	225	LF	Saw Cutting, Concrete, Full Depth	10.00	13.80	6.00	2,250.00	3,105.00	1,350.00
13	305	831545	660	LF	Furnish & Install 4" HDPE SDR-13.5 Conduit (Bore)	29.00	34.00	24.00	19,140.00	22,440.00	15,840.00
14	325	831503	45	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Open Cut)	105.00	97.00	57.50	4,725.00	4,365.00	2,587.50
15	335	831501	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Open Cut)	105.00	97.00	57.50	1,050.00	970.00	575.00
16	355	831514	50	LF	Furnish & Install 2-1/2" Schedule 80 PVC Conduit (Trench)	11.50	13.00	14.00	575.00	650.00	700.00
17	360	831515	75	LF	Furnish & Install 3" Schedule 80 PVC Conduit (Trench)	12.00	13.00	15.00	900.00	975.00	1,125.00
18	365	831516	10	LF	Furnish & Install 4" Schedule 80 PVC Conduit (Trench)	13.50	13.00	15.00	135.00	130.00	150.00
19	440	831523	65	LF	Furnish & Install 2" Galvanized Steel Conduit (Trench)	18.50	20.20	22.50	1,202.50	1,313.00	1,462.50
20	290	831542	120	LF	Furnish & Install 2" HDPE SDR-13.5 Conduit (Bore)	26.50	33.00	24.00	3,180.00	3,960.00	2,880.00
21	500	831538	30	LF	Furnish & Install 2" Galvanized Steel Conduit (On Structure)	21.50	38.35	29.00	645.00	1,150.50	870.00
22	545	831574	20	LF	Furnish & Install Second and Subsequent Additional 4" PVC Conduits in Trench or Open Cut	5.50	5.30	3.50	110.00	106.00	70.00
23	580	831581	10	LF	Furnish & Install Second and Subsequent Additional 2" Galvanized Steel Conduit in Trench or Open C	12.65	16.00	10.00	126.50	160.00	100.00
24	635	842501	1	EA	Furnish & Install Electric Utility Service Equipment (100 AMP)	1800.00	3180.00	2525.00	1,800.00	3,180.00	2,525.00
25	650	830001	8	EA	Conduit Junction Well, Type 1, 20" x 20" Precast Concrete	1100.00	1100.00	1300.00	8,800.00	8,800.00	10,400.00
26	655	830002	1	EA	Conduit Junction Well, Type 4, 20" x 42-1/2" Precast Concrete	1400.00	1300.00	1825.00	1,400.00	1,300.00	1,825.00
27	835	834002	3	EA	Pole Base Type 3A	3700.00	4325.00	6500.00	11,100.00	12,975.00	19,500.00
28	850	834005	7	EA	Pole Base Type 4A	900.00	700.00	950.00	6,300.00	4,900.00	6,650.00
29	860	834006	2	EA	Pole Base Type 6	1000.00	900.00	1545.00	2,000.00	1,800.00	3,090.00
30	885	836502	9	EA	Furnish & Install Pedestal Pole	1350.00	930.00	1510.00	12,150.00	8,370.00	13,590.00
31	890	836504	3	EA	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	2000.00	1580.00	2200.00	6,000.00	4,740.00	6,600.00
32	970	837002	39	EA	Furnish & Install 12" LED Signal Head Section Rigid Mount	340.00	345.00	400.00	13,260.00	13,455.00	15,600.00
33	985	837007	6	EA	Furnish & Install Signal Head Backplate	325.00	300.00	445.00	1,950.00	1,800.00	2,670.00
34	1000	837008	6	EA	Furnish & Install 16" LED Countdown Pedestrian Signal	650.00	650.00	925.00	3,900.00	3,900.00	5,550.00
35	1010	837010	1	EA	Furnish & Install Pedestrian Pushbutton with Sign	250.00	240.00	350.00	250.00	240.00	350.00
36	1070	844521	1	EA	Install Video Detection Device	500.00	900.00	565.00	500.00	900.00	565.00
37	1135	822500	5	EA	Install Overhead Sign	300.00	22.00	50.00	1,500.00	110.00	250.00
38	1210	838009	220	LF	Removal of Messenger Wire, Cable and Hardware	5.00	2.10	1.00	1,100.00	462.00	220.00
39	1225	830010	3	EA	Removal of Existing Junction Well	300.00	210.00	545.00	900.00	630.00	1,635.00
40	1235	832035	350	LF	Removal of Cable from Conduit or Traffic/Lighting Pole	1.50	1.10	0.50	525.00	385.00	175.00
41	1240	834501	5	CY	Partial Removal of Concrete Pole Bases and Cabinet Foundations	900.00	900.00	500.00	4,500.00	4,500.00	2,500.00
42	1250	836006	5	EA	Remove Pedestal Pole	1500.00	47.00	272.00	7,500.00	235.00	1,360.00
43	1255	836503	3	EA	Remove Steel Pole (Equal to or Greater than 15' and Less than 40')	275.00	390.00	550.00	825.00	1,170.00	1,650.00
44	1260	837500	6	EA	Removal of Signal Head or Pedestrian Head from Pole or Pedestal	150.00	47.00	135.00	900.00	282.00	810.00
45	1270	838504	7	EA	Removal of Signal Head or Opticom Detector from Span Wire or Mast Arm	225.00	41.00	136.00	1,575.00	287.00	952.00
46	1295	847001	1	EA	Installation or Removal of Pole or Post Mounted Cabinet	225.00	390.00	2000.00	225.00	390.00	2,000.00
47	1300	847002	1	EA	Installation or Removal of Base or Pad Mounted Cabinet	300.00	400.00	2500.00	300.00	400.00	2,500.00
48	1415	817002	810	SF	Permanent Pavement Striping, Symbol/Legend Alkyd - Thermoplastic	12.00	12.00	11.50	9,720.00	9,720.00	9,315.00
49	1470	817013	205	LF	Permanent Pavement Striping, Epoxy Resin Paint, White or Yellow, 5"	2.00	1.35	1.15	410.00	276.75	235.75
50	1535	817031	300	SF	Removal of Pavement Striping	7.00	7.00	7.00	2,100.00	2,100.00	2,100.00
51	715	802003	60	EA-DY	Arrow Panels, Type C	45.00	41.00	40.00	2,700.00	2,460.00	2,400.00
52	720	803001	30	EA-DY	Furnish & Maintain Portable Changeable Message Board	145.00	165.00	125.00	4,350.00	4,950.00	3,750.00
53	725	804001	2	EA-DY	Furnish & Maintain Portable Light Assembly (Flood Lights)	225.00	390.00	100.00	450.00	780.00	200.00
54	730	805001	1200	EA-DY	Plastic Drums	4.00	2.87	4.00	4,800.00	3,444.00	4,800.00
55	735	806001	20	HR	Traffic Officers	75.00	75.00	75.00	1,500.00	1,500.00	1,500.00
56	740	808002	30	EA-DY	Furnish & Maintain Truck Mounted Attenuator, Type II	220.00	250.00	500.00	6,600.00	7,500.00	15,000.00
57	745	810001	360	EA-DY	Temporary Warning Signs and Plaques	18.00	18.00	25.00	6,480.00	6,480.00	9,000.00
58	750	811001	180	HR	Flagger, New Castle County, State	84.00	74.85	67.00	15,120.00	13,473.00	12,060.00
59	765	811013	40	HR	Flagger, New Castle County, State, Overtime	122.00	112.30	100.00	4,880.00	4,492.00	4,000.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→	→	→	255,266.75	270,290.50	313,662.25

DELAWARE DEPARTMENT OF TRANSPORTATION
TRAFFIC ITMS ESTIMATE
E. 4th Street @ N. Church Street (2016 HEP, Site N)

CONTRACT # T201800402
 F.A.P. # ESTP-2018(10)
 PROJECT: E. 4th Street @ N. Church Street (2016 HEP, Site N)

ITMS						UNIT COST			TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (PROJECT CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
TOTAL PROJECT CONTRACTOR ITEMS						→			0.00	0.00	0.00

ITMS						UNIT COST			TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC CONTRACTOR ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1		N.I.B.	1	EA	Relocate Bluetooth Monitoring Device	1000.00	1000.00	1000.00	1,000.00	1,000.00	1,000.00
TOTAL TRAFFIC CONTRACTOR ITEMS						→			1,000.00	1,000.00	1,000.00

ITMS						UNIT COST			TOTAL COST		
LINE	#	ITEM #	QTY	UOM	DESCRIPTION - (TRAFFIC SUPPLY ITEMS)	BYERS	KRISS	ROMMEL	BYERS	KRISS	ROMMEL
1	2535	999621	1	EA	CDMA	1200.00	1200.00	1200.00	1,200.00	1,200.00	1,200.00
2	2545	999623	1	EA	Camera/RWIS/Bluetooth Comm - AC Power	2000.00	2000.00	2000.00	2,000.00	2,000.00	2,000.00
3	2490	999612	1	EA	Camera (Includes Lowering Device, Controller, and Video Encoder)	12461.00	12461.00	12461.00	12,461.00	12,461.00	12,461.00
4	2495	999613	1	EA	Strain Pole Camera Mounting Adapter (Includes Cable Assembly)	741.00	741.00	741.00	741.00	741.00	741.00
TOTAL TRAFFIC SUPPLY ITEMS						→			16,402.00	16,402.00	16,402.00

TOTAL PROJECT CONTRACTOR ITEMS	→	→	0.00	0.00	0.00
TOTAL TRAFFIC CONTRACTOR ITEMS	→	→	1,000.00	1,000.00	1,000.00
TOTAL TRAFFIC SUPPLY ITEMS	→	→	16,402.00	16,402.00	16,402.00
CONTINGENCIES	→	→	1,740.20	1,740.20	1,740.20
TOTAL COST	→	→	19,142.20	19,142.20	19,142.20