

State of Delaware
Department of Transportation
Project No: T201011302

Desc: US 13 AND PORT PENN ROAD INTERSECTION IMPROVEMENTS

Item	Description	UOM	Quantity
201000	CLEARING AND GRUBBING	LS	1.00
202000	EXCAVATION AND EMBANKMENT	CY	67,748.00
202515	COMPACTING INSITU MATERIAL	SY	20,130.00
207000	EXCAVATION AND BACKFILL FOR STRUCTURES	CY	75.00
208000	EXCAVATION AND BACKFILLING FOR PIPE TREN	CY	1,289.00
208001	FLOWABLE FILL	CY	20.00
209001	BORROW, TYPE A	CY	11,402.00
209004	BORROW, TYPE D	CY	929.00
210000	FURN BORRY C FOR PIPE UTILITY TREN & STR	CY	5,868.00
211000	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LS	1.00
272500	SKIMMER DEWATERING DEVICE	EACH	3.00
302007	GRADED AGGREGATE BASE COURSE, TYPE B	CY	6,749.00
302011	DELAWARE NO. 3 STONE	TON	10.00
302012	DELAWARE NO. 57 STONE	TON	509.00
302514	MILLED HOT-MIX BASE COURSE	CY	0.00
304501	PERMEABLE TREATED BASE, 4"	SY	4,676.00
304502	SOIL CEMENT BASE COURSE, 6"	SY	4,676.00
304506	PORTLAND CEMENT	TON	100.00
401813	BIT CONC, SP, TY B, 160 GYRA, PG 70-22	TON	8,096.00
401819	BIT CONC, SP, BCBC, 160 GYRA, PG 64-22	TON	8,187.00
401824	BIT CONC, SP, TY C, 160 GY, PG 64-22, WE	TON	174.00
401830	BIT CONC, SP, TY C, 160 GYRA, PG 70-22	TON	8,325.00
402000	BIT CON &/OR COLD LAID BIT (TRM)	TON	500.00
501006	PORTLAND CEMENT CONCRETE PAVEMENT, 12"	SY	4,676.00
503001	PATCHING P.C.C. PAVEMENT, 6' TO 15', TYP	SY	85.00
601506	MAINTENANCE OF STREAM FLOW	LS	1.00
602001	PORT CEMENT CONCRETE MASONRY, CLASS A	CY	62.00
602002	PORT CEMENT CONCRETE MASONRY, CLASS B	CY	100.00
602522	PRECAST CONCRETE CULVERT	LF	240.00
602742	DRILLING FOR CONC SHAFT (IN SOIL), 48" D	LF	25.00
602747	DRILLING FOR CONC SHAFT (IN ROCK), 48" D	LF	10.00
604000	BAR REINFORCEMENT, EPOXY COATED	LB	10,800.00
605501	GROUND MOUNT BREAKAWAY TYPE SIGN SUPPORTS AND FOUNDATION	LS	1.00
605730	PREFABRICATED EXPANSION JOINT SYSTEM, 1"	LF	55.00
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	LF	593.00
612022	REINFORCED CONCRETE PIPE, 18", CLASS IV	LF	3,473.00
612023	REINFORCED CONCRETE PIPE, 24", CLASS IV	LF	797.00
612034	REINFORCED CONCRETE PIPE, 36", CLASS IV	LF	15.00
612205	REIN CON ELLIPT PIPE, 19"X30", CLASS IV	LF	141.00
612216	REINFORCED CONCRETE ELLIPTICAL PIPE, 14"	LF	40.00
614508	WATERMAIN AND ACCESSORIES	LS	1.00

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617002	R.C. FLARED END SECTION, 15"	EACH	6.00
617003	R.C. FLARED END SECTION, 18"	EACH	8.00
617005	R.C. FLARED END SECTION, 24"	EACH	3.00
617165	R.C. FLARED END SECTION, 14"X23"	EACH	2.00
617515	HEADWALL	EACH	2.00
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	LF	748.00
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	LF	6,730.00
701016	IPCC CURB & GUTTER, TYPE 1-4	LF	3,524.00
705001	P.C.C. SIDEWALK, 4"	SF	183.00
705002	P.C.C. SIDEWALK, 6"	SF	55.00
707005	UNDERDRAIN OUTLET	EACH	8.00
708050	DRAINAGE INLET, 34" X 18"	EACH	18.00
708051	DRAINAGE INLET, 34" X 24"	EACH	16.00
708052	DRAINAGE INLET, 48" X 30"	EACH	15.00
708053	DRAINAGE INLET, 48" X 48"	EACH	8.00
708111	MANHOLE, 48" X 30"	EACH	2.00
708112	MANHOLE, 48" X 48"	EACH	4.00
708583	PERSONNEL GRATE FOR PIPE INLET	EACH	2.00
708585	JUNCTION BOX, 48" X 30"	EACH	1.00
712005	RIPRAP, R-4	SY	295.00
712006	RIPRAP, R-5	SY	375.00
713002	GEOTEXTILES, SEPARATION	SY	721.00
713003	GEOTEXTILES, RIPRAP	SY	1,538.00
715001	PERFORATED PIPE UNDERDRAINS, 6"	LF	11,235.00
715504	UNDERDRAIN OUTLET PIPE, 8"	LF	289.00
716000	CONVERTING EXISTING CATCH BASIN TO JUNCT	EACH	8.00
720050	GALVANIZED STEEL BEAM GUARDRAIL, TY 1-31	LF	1,536.00
720051	GALVANIZED STEEL BEAM GUARDRAIL, TY 2-31	LF	100.00
720052	GALVANIZED STEEL BEAM GUARDRAIL, TY 3-31	LF	3,754.00
720055	CURVED GUARDRAIL SECTION	LF	56.00
720057	GUARDRAIL OVER CULVERTS, TYPE 3-31	EACH	75.00
720544	REFLECTORS WHITE, CONCRETE	EACH	14.00
720545	REFLECTORS YELLOW, CONCRETE	EACH	9.00
720559	POST MOUNTED DELINEATORS	EACH	135.00
720586	GUARDRAIL END TREATMENT ATTEN., TY 2-31	EACH	4.00
720588	GUARDRAIL END TREATMENT ATTEN., TY 3-31	EACH	2.00
720629	BIFURCATED CONCRETE MEDIAN BARRIER	LF	1,050.00
720633	CONC MEDIAN BARRIER MOUNTED SIGN SUPPORT	EACH	3.00
725001	GUARDRAIL TO BARRIER CONN. (EXIT TY 31)	EACH	3.00
725002	G/R TO BARR. CONN., APPROACH TY 1-31	EACH	2.00
726001	END ANCHORAGE 31	EACH	3.00

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Item	Description	UOM	Quantity
726004	ENTRANCE SPECIAL END ANCHORAGE	EACH	1.00
727000	RIGHT-OF-WAY FENCE	LF	1,297.00
727552	RESOURCE PROTECTION FENCE	LF	1,040.00
743000	MAINTENANCE OF TRAFFIC	LS	1.00
743003	ARROWPANELS, TYPE C	EADY	325.00
743004	FURN & MAINT PORT CHANGEABLE MESSAGE SIG	EADY	400.00
743005	FURN & MAINT PORT LIGHT ASSEMBLY	EADY	125.00
743006	PLASTIC DRUMS	EADY	82,000.00
743007	TRAFFIC OFFICERS	HOURL	1,550.00
743008	REFLECTOR PANELS	EACH	350.00
743010	FURNISH & MAIN. TMA, TYPE II	EADY	245.00
743015	FURN AND MAIN PORT PCC SAFETY BARRIER	LF	12,400.00
743016	RELOCATING PORTABLE SAFETY BARRIER	LF	10,400.00
743023	TEMPORARY BARRICADES, TYPE III	LFDY	75,000.00
743024	TEMPORARY WARNING SIGNS AND PLAQUES	EADY	13,250.00
743025	INSTALL TEMPORARY IMPACT ATTENUATOR	EACH	15.00
743029	FURN TEMP IMPACT ATTEN NON-GATING, REDIR	EACH	15.00
743030	RELOCATE TEMPORARY IMPACT ATTENUATOR	EACH	16.00
743031	ATSSA CERTIFIED TRAFFIC CONTROL SUPERVIS	HOURL	1,600.00
743050	FLAGGER, NEW CASTLE COUNTY	HOURL	875.00
743062	FLAGGER, NEW CASTLE COUNTY, STATE, OVERT	HOURL	225.00
744506	CONDUIT JUNCTION WELL, TYPE 7, PRECAST	EACH	3.00
744530	CONDUIT JUNCTION WELL, TYPE 11, PRECAST CONCRETE/POLYMER LID	EACH	22.00
744531	CONDUIT JUNCTION WELL, TYPE 14, PRECAST CONCRETE/POLYMER LID	EACH	10.00
744544	ADJUST OR REPAIR EXISTING CONDUIT JUNCTI	EACH	5.00
745602	FURNISH & INSTALL UP TO 4" SCHEDULE 80 HDPE CONDUIT (BORE)	LF	2,375.00
745603	FURNISH & INSTALL UP TO 4" SCHEDULE 80 HDPE CONDUIT (OPEN CUT)	LF	550.00
745604	FURNISH & INSTALL UP TO 4" SCHEDULE 80 HDPE CONDUIT (TRENCH)	LF	9,300.00
745606	FURNISH & INSTALL UP TO 4" GALVANIZED STEEL CONDUIT (TRENCH)	LF	300.00
746518	ALUM. LIGHT STD. W/SINGLE DAVIT ARM, 35'	EACH	20.00
746537	RELOCATING EXISTING LIGHT STANDARDS	EACH	1.00
746590	FURNISH & INSTALL GROUND ROD	EACH	24.00
746847	POLE BASE, TYPE 3	EACH	4.00
746852	POLE BASE, TYPE 6	EACH	1.00
746872	LIGHTING CONTROL AND DISTRIBUTION ENCLOS	EACH	1.00
746898	REMOVE AND RESET EXISTING LIGHT POLE	LS	1.00
746899	LIGHTING STANDARD POLE BASE	EACH	20.00
746907	FURNISH AND INSTALL 1-CONDUCTOR #2 AWG STRANDED COPPER	LF	8,875.00
746908	FURNISH AND INSTALL 1-CONDUCTOR #4 AWG STRANDED COPPER	LF	4,225.00
746909	FURNISH AND INSTALL 1-CONDUCTOR #6 AWG STRANDED COPPER	LF	8,650.00
746910	FURNISH AND INSTALL 1-CONDUCTOR #8 AWG STRANDED COPPER	LF	1,100.00

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Item	Description	UOM	Quantity
746911	FURNISH AND INSTALL 1-CONDUCTOR #10 AWG STRANDED COPPER	LF	950.00
746926	FURNISH AND INSTALL ELECTRICAL UTILITY SERVICE EQUIPMENT	EA	1.00
746941	TRAFFIC CONTROL DEVICE EQUIPMENT TURN ON, PICK UP, REMOVAL &	EA	8.00
746942	INSTALLATION OF LIGHTING POLE, WITH ARM AND LUMINAIRE	EA	1.00
747515	CABINET BASE TYPE M	EA	1.00
747516	CABINET BASE TYPE P	EA	1.00
748015	PERM PAVT STRIP SYM/LEG ALKYD THERMOPLAS	SF	700.00
748019	TEMPORARY MARKINGS, PAINT, 4"	LF	52,000.00
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	SF	400.00
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERM	LF	100.00
748502	RAISED/RECESSED PAVEMENT MARKER	EACH	250.00
748505	TEMPORARY RAISED PAVEMENT MARKERS	EACH	450.00
748530	REMOVAL OF PAVEMENT STRIPING	SF	25,000.00
748548	PERM PAVT STRIPING, EPOXY, 5"	LF	44,600.00
748549	PERM PAVT STRIPING, EPOXY, 10"	LF	1,000.00
748553	PREFORMED RETROREFLECTIVE THERMO PVMT MA	EACH	8.00
748557	PERM PVMT STRIPING, EPOXY RESIN PAINT, B	LF	1,650.00
748564	RETROREF PREFORM PATT MARKINGS, 5"	LF	3,325.00
749532	SUPP OF FLAT SHEET ALUMIN SGN PNL TY IX	SF	45.00
749534	SUPP OF EXTRUD ALUMIN SGN PNL, TYPE IX	SF	500.00
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN	EACH	116.00
749689	INSTALLATION OF 4" DIA HOLE, GREATER THA	EACH	2.00
749690	INSTALLATION OR REMOVAL OF TRAFFIC SIGNS	SF	1,175.00
753515	INSTALL. SANI. SEWER (FORCE MAIN), PVC,	LF	1.00
758000	REMOVAL EXIST. PCC PAV'T CURB SIDEWALK	SY	181.00
760003	PVM'T MILLING, HOT MIX, (VARIABLE DEPTH	SY	1,856.00
760006	PAVEMENT - MILLING, HOT-MIX, 2" DEPTH	SY	81,993.00
760016	RUMBLE STRIPS, HOT-MIX	LF	10,055.00
760017	RUMBLE STRIPS, CONCRETE	LF	3,129.00
762001	SAW CUTTING, BITUMINOUS CONCRETE	LF	15,764.00
762002	SAW CUTTING, CONCRETE (FULL DEPTH)	LF	155.00
763000	INITIAL EXPENSE	LS	1.00
763501	CONSTRUCTION ENGINEERING	LS	1.00
763508	PROJECT CONTROL SYSTEM DEVELOPMENT PLN	LS	1.00
763509	CPM SCHEDULE UPDATES AND/OR REVISIONS	EAMO	24.00
763597	UTILITY CONSTRUCTION ENGINEERING	HOOR	250.00
763659	DUMPSTER ENCLOSURE	LS	1.00
900500	ENVIRONMENTAL PERFORMANCE INCENTIVE	LS	1.00
905001	SILT FENCE	LF	850.00
905003	SEDIMENT TRAP	CY	2,800.00
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	EACH	90.00

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Item	Description	UOM	Quantity
906002	DEWATERING BAG	EACH	5.00
906003	SUMP PIT, TYPE 1	EACH	15.00
907011	STONE CHECK DAM	TON	225.00
907015	TEMPORARY SLOPE DRAIN, 24"	LF	50.00
907500	TEMPORARY SWALE, TYPE A-1	LF	50.00
907504	PERIMETER DIKE SWALE, TYPE A-1	LF	170.00
907506	EARTH DIKE, TYPE A-1	LF	1,400.00
908010	TOPSOILING (6" DEPTH)	SY	101,256.00
908014	PERMANENT GRASS SEEDING, DRY GROUND	SY	109,065.00
908015	PERMANENT GRASS SEEDING, WET GROUND	SY	5,128.00
908017	TEMPORARY GRASS SEEDING, DRY GROUND	SY	103,000.00
908020	SOIL RETENTION BLANKET MULCH, TYPE 5	SY	16,000.00
908023	STABILIZED CONSTRUCTION ENTRANCE	TON	600.00
908502	WET GROUND EROSION CONTROL GRASS SEEDING	SY	44.00
909001	SANDBAG DIKES	CY	20.00
910007	OUTLET STRUCTURE	LS	1.00
XXXXXX	ELECTRICAL SERVICE RELOCATION	LS	1.00

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NOT FOR BIDDING
AUGUST 2015