

Estimated Quantities -- Letting September 10, 2021

Quantities shown are for information only and should not be used for bidding purposes. The official bid files should be obtained from www.bidx.com

Contract ID CNV230 - BLOUNT

Contract ID: CNV230

Letting Date: September 10, 2021 10:00 AM

Projects: 05950-3542-04

NA

Counties: BLOUNT

District:

DBE Goal Percent:

Description: The grading, drainage and paving on a S.I.A. route (Singleton Station Road) serving Project Pearl.

Contract Time: DT - 11/15/2022

| Item No. | Description | Quantity | Units |
|-----------|---|------------|-------|
| 105-01 | CONSTRUCTION STAKES, LINES AND GRADES | (1) | LS |
| 201-01 | CLEARING AND GRUBBING | (1) | LS |
| 203-01 | ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) | 62,670.000 | C.Y. |
| 203-02.01 | BORROW EXCAVATION (GRADED SOLID ROCK) | 639.000 | TON |
| 203-04 | PLACING AND SPREADING TOPSOIL | 3,502.000 | C.Y. |
| 203-06 | WATER | 113.000 | M.G. |
| 204-08.01 | BACKFILL MATERIAL (FLOWABLE FILL) | 10.000 | C.Y. |
| 209-05 | SEDIMENT REMOVAL | 496.000 | C.Y. |
| 209-08.02 | TEMPORARY SILT FENCE (WITH BACKING) | 3,679.000 | L.F. |
| 209-08.07 | ROCK CHECK DAM | 72.000 | EACH |
| 209-08.08 | ENHANCED ROCK CHECK DAM | 8.000 | EACH |
| 209-40.34 | CATCH BASIN PROTECTION (TYPE E) | 10.000 | EACH |
| 303-01 | MINERAL AGGREGATE, TYPE A BASE, GRADING D | 27,027.000 | TON |
| 303-01.01 | GRANULAR BACKFILL (ROADWAY) | 1,084.000 | TON |
| 303-10.01 | MINERAL AGGREGATE (SIZE 57) | 45.000 | TON |

Contract ID CNV230 - BLOUNT

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 307-01.01 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A | 2,515.000 | TON |
| 307-01.08 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 | 3,124.000 | TON |
| 402-01 | BITUMINOUS MATERIAL FOR PRIME COAT (PC) | 45.000 | TON |
| 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | 12.000 | TON |
| 407-20.05 | SAW CUTTING ASPHALT PAVEMENT | 2,198.000 | L.F. |
| 411-01.10 | ACS MIX(PG64-22) GRADING D | 1,872.000 | TON |
| 415-01.01 | COLD PLANING BITUMINOUS PAVEMENT | 38.000 | TON |
| 607-03.02 | 18" CONCRETE PIPE CULVERT (CLASS III) | 823.000 | L.F. |
| 607-07.02 | 36" CONCRETE PIPE CULVERT (CLASS III) | 62.000 | L.F. |
| 607-37.08 | 54" CORRUGATED METAL PIPE CULVERT | 158.000 | L.F. |
| 607-39.03 | 24" PIPE CULVERT (SIDE DRAIN) | 66.000 | L.F. |
| 611-07.32 | 24IN ENDWALL (SIDE DRAIN) | 4.000 | EACH |
| 611-07.54 | 18IN ENDWALL (CROSS DRAIN) 3:1 | 7.000 | EACH |
| 611-07.56 | 18IN ENDWALL (CROSS DRAIN) 6:1 | 2.000 | EACH |
| 611-07.64 | 36IN ENDWALL (CROSS DRAIN) 4:1 | 2.000 | EACH |
| 611-38.01 | CATCH BASINS, TYPE 38, 0' - 4' DEPTH | 3.000 | EACH |
| 611-38.02 | CATCH BASINS, TYPE 38, > 4' - 8' DEPTH | 5.000 | EACH |
| 611-38.03 | CATCH BASINS, TYPE 38, > 8' - 12' DEPTH | 2.000 | EACH |
| 621-03.02 | 18" TEMPORARY DRAINAGE PIPE | 150.000 | L.F. |
| 701-02.06 | DETECTABLE WARNING SURFACE (REHABILITATION) | 120.000 | S.F. |
| 703-01 | PORTLAND CEMENT CONCRETE DITCH PAVING | 301.000 | C.Y. |
| 705-04.50 | PORTABLE BARRIER RAIL DELINEATOR | 28.000 | EACH |
| 705-20.25 | TEMPORARY CRASH CUSHION (MASH TL-3) | 2.000 | EACH |
| 708-02.01 | MARKERS (CONCRETE R.O.W. POSTS) | 35.000 | EACH |
| 709-05.05 | MACHINED RIP-RAP (CLASS A-3) | 382.000 | TON |
| 709-05.06 | MACHINED RIP-RAP (CLASS A-1) | 2,788.000 | TON |
| 712-01 | TRAFFIC CONTROL | (1) | LS |
| 712-02.10 | PORTABLE BARRIER RAIL (MASH TL-3) | 200.000 | L.F. |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 712-02.12 | PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3) | 360.000 | L.F. |
| 712-02.36 | REMOVE AND RELOCATE PORTABLE BARRIER RAIL | 420.000 | L.F. |
| 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | 92.000 | EACH |
| 712-05.01 | WARNING LIGHTS (TYPE A) | 4.000 | EACH |
| 712-06 | SIGNS (CONSTRUCTION) | 449.438 | S.F. |
| 712-07.03 | TEMPORARY BARRICADES (TYPE III) | 44.000 | L.F. |
| 712-08.03 | ARROW BOARD (TYPE C) | 1.000 | EACH |
| 713-01.01 | CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS) | 1.000 | C.Y. |
| 713-01.02 | STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS) | 293.000 | LB. |
| 713-11.02 | PERFORATED/KNOCKOUT SQUARE TUBE POST | 1,080.000 | LB. |
| 713-11.21 | P POST SLIP BASE | 13.000 | EACH |
| 713-13.02 | FLAT SHEET ALUMINUM SIGNS (0.080" THICK) | 140.000 | S.F. |
| 713-13.03 | FLAT SHEET ALUMINUM SIGNS (0.100" THICK) | 60.000 | S.F. |
| 713-14.21 | STREET NAME SIGN (RIGID 0.100IN THICK) | 48.000 | S.F. |
| 713-15.07 | SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK) | 4.000 | EACH |
| 713-15.35 | METAL BARRICADE (TYPE III) | 3.000 | EACH |
| 713-16.01 | CHANGEABLE MESSAGE SIGN UNIT | 2.000 | EACH |
| 716-02.03 | PLASTIC PAVEMENT MARKING (CROSS-WALK) | 109.000 | L.F. |
| 716-02.04 | PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING) | 18.000 | S.Y. |
| 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | 144.000 | L.F. |
| 716-02.06 | PLASTIC PAVEMENT MARKING (TURN LANE ARROW) | 17.000 | EACH |
| 716-02.08 | PLASTIC PAVEMENT MARKING (8" DOTTED LINE) | 182.000 | L.F. |
| 716-02.09 | PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK) | 82.000 | L.F. |
| 716-02.12 | PLASTIC PAVEMENT MARKING (8IN LINE) | 0.220 | L.M. |
| 716-03.01 | PLASTIC WORD PAVEMENT MARKING (ONLY) | 2.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 716-03.03 | PLASTIC WORD PAVEMENT MARKING (STOP AHEAD) | 2.000 | EACH |
| 716-05.01 | PAINTED PAVEMENT MARKING (4" LINE) | 2.000 | L.M. |
| 716-13.02 | SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE) | 3.460 | L.M. |
| 717-01 | MOBILIZATION | (1) | LS |
| 730-02.09 | SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) | 7.000 | EACH |
| 730-03.20 | INSTALL PULL BOX (TYPE A) | 10.000 | EACH |
| 730-03.24 | INSTALL PULL BOX (FIBER OPTIC-TYPE B) | 6.000 | EACH |
| 730-05.01 | ELECTRICAL SERVICE CONNECTION | 1.000 | EACH |
| 730-08.02 | SIGNAL CABLE - 5 CONDUCTOR | 445.000 | L.F. |
| 730-08.03 | SIGNAL CABLE - 7 CONDUCTOR | 815.000 | L.F. |
| 730-08.40 | INTERCONNECT CABLE - FIBER OPTIC (DESCRIPTION) (12-SM CABLE) | 3,400.000 | L.F. |
| 730-12.02 | CONDUIT 2" DIAMETER (PVC) | 3,025.000 | L.F. |
| 730-12.16 | CONDUIT (DESCRIPTION) (2"C SCHEDULE 80) | 905.000 | L.F. |
| 730-13.02 | VEHICLE DETECTOR (VIDEO) | 3.000 | EACH |
| 730-13.08 | VEHICLE DETECTOR (DESCRIPTION) (SHELF MOUNT 2 CH) | 2.000 | EACH |
| 730-14.01 | SHIELDED DETECTOR CABLE | 1,350.000 | L.F. |
| 730-14.03 | LOOP WIRE | 170.000 | L.F. |
| 730-15.07 | CABINET (DESCRIPTION) (DESCRIPTION) | 1.000 | EACH |
| 730-15.32 | CABINET (EIGHT PHASE BASE MOUNTED) | 1.000 | EACH |
| 730-16.04 | CONTROLLER (ATC) | 1.000 | EACH |
| 730-23.30 | PEDESTAL POLE (DESCRIPTION) (10 FT. PEDESTRIAN TYPE A) | 2.000 | EACH |
| 730-23.36 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 60') | 1.000 | EACH |
| 730-23.37 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (2 ARMS @ 75' & 45') | 1.000 | EACH |
| 730-26.11 | COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN | 2.000 | EACH |
| 730-35.06 | BATTERY BACK-UP AND POWER CONDITIONER | 1.000 | EACH |
| 740-06.01 | GEOMEMBRANE | 6,611.000 | S.Y. |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 740-10.03 | GEOTEXTILE (TYPE III)(EROSION CONTROL) | 1,192.000 | S.Y. |
| 740-10.04 | GEOTEXTILE (TYPE IV)(STABILIZATION) | 379.000 | S.Y. |
| 740-11.03 | TEMPORARY SEDIMENT TUBE 18IN | 8,513.000 | L.F. |
| 801-01.07 | TEMPORARY SEEDING (WITH MULCH) | 341.000 | UNIT |
| 801-02 | SEEDING (WITHOUT MULCH) | 304.000 | UNIT |
| 801-02.15 | FERTILIZER | 5.000 | TON |
| 801-03 | WATER (SEEDING & SODDING) | 107.000 | M.G. |
| 803-01 | SODDING (NEW SOD) | 4,169.000 | S.Y. |
| 805-12.01 | EROSION CONTROL BLANKET (TYPE I) | 33,697.000 | S.Y. |
| 806-02.03 | PROJECT MOWING | 4.000 | CYCL |
| 204-06.01 | FLOWABLE FILL (GENERAL) | 56.000 | C.Y. |
| 790-98.04 | REMOVE FIBER OPTIC CABLE | 460.000 | L.F. |
| 791-03.05 | 6IN HDPE GAS MAIN | 3,459.000 | L.F. |
| 791-06.09 | CONNECT TO __IN EX. PE MAIN (EACH) | 2.000 | EACH |
| 791-07.03 | 6IN PE GAS VALVE ASSEMBLY | 10.000 | EACH |
| 791-08.07 | 3/4IN PE SERVICE PIPE | 78.000 | L.F. |
| 791-08.40 | RECONNECT SERVICE ASSEMBLY | 3.000 | EACH |
| 791-08.41 | GAS MAIN REMOVAL | 2,142.000 | L.F. |
| 791-09.05 | RESTORE ASPHALT | 160.000 | S.Y. |
| 791-10.06 | RETIRE IN PLACE 6IN SERV CUT & PLUG | 2.000 | EACH |
| 793-11.19 | MARKER POST | 5.000 | EACH |
| 793-11.26 | HANDHOLE 30INX60INX30IN | 5.000 | EACH |
| 793-13.09 | 2IN SCHEDULE 40 PVC | 2,109.000 | L.F. |
| 795-01.03 | 6IN DIP RESTRAINED JOINT WATER LINE | 15.000 | L.F. |
| 795-01.05 | 8IN DIP RESTRAINED JOINT WATER LINE | 21.000 | L.F. |
| 795-01.09 | 12IN DIP RESTRAINED JOINT WATER LINE | 626.000 | L.F. |
| 795-01.10 | 12IN DIP SLIP JOINT WATER LINE | 3,190.000 | L.F. |
| 795-06.04 | CONNECT TO 6IN WATER LINE | 1.000 | EACH |
| 795-06.33 | CUT AND CAP 6IN WATER LINE | 1.000 | EACH |
| 795-06.37 | CUT AND CAP 12IN WATER LINE | 2.000 | EACH |

Contract ID CNV230 - BLOUNT

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 795-08.05 | 8IN GATE VALVE ASSEMBLY | 2.000 | EACH |
| 795-08.09 | 12IN GATE VALVE ASSEMBLY | 6.000 | EACH |
| 795-09.09 | RELOCATE/RECONNECT SERVICE ASSEMBLY | 1.000 | EACH |
| 795-10.05 | 2IN AUTO AIR RELEASE VALVE ASSEMBLY | 1.000 | EACH |
| 795-11.02 | FIRE HYDRANT ASSEMBLY | 2.000 | EACH |
| 795-11.12 | RETIRE IN PLACE EXISTING WATER MAIN | 2,430.000 | L.F. |
| 795-13.01 | DI FITTINGS | 5,400.000 | LB. |
| 797-02.07 | 6IN HDPE FORCE MAIN | 2,830.000 | L.F. |
| 797-06.90 | OPEN CUT 16IN STEEL CASING PIPE | 125.000 | L.F. |
| 797-07.02 | 48IN MANHOLE 4FT-6FT DEPTH | 1.000 | EACH |
| 797-07.80 | REMOVE SEWER MANHOLE | 2.000 | EACH |
| 797-08.03 | HDPE FITTINGS | 450.000 | LB. |
| 797-09.08 | 8IN PLUG VALVE ASSEMBLY | 1.000 | EACH |
| 797-09.26 | 2IN AIR/VAC VALVE ASSEMBLY | 2.000 | EACH |
| 797-09.40 | CUT AND CAP (ALL LINES) | 1.000 | EACH |
| 797-09.47 | CUT AND CAP 8IN FORCE MAIN | 1.000 | EACH |
| 797-10.10 | CONNECT EX.10-18IN SEWER TO NEW MANHOLE | 1.000 | EACH |
| 797-10.18 | CONNECT TO 8IN FORCE MAIN | 1.000 | EACH |
| 797-11.31 | RETIREIN PLACE EXISTING SEWER 8IN-14IN | 2,145.000 | L.F. |
| 797-11.35 | REMOVE EXISTING SEWER 8IN-14IN | 500.000 | L.F. |
| 797-11.38 | BY-PASS PUMPING | (1) | LS |

() Item will be bid as lump sum.

Contract ID CNV130 - BRADLEY

Contract ID: CNV130

Letting Date: September 10, 2021 10:00 AM

Projects: 06009-3246-14

NH-60(13)

Counties: BRADLEY

District:

DBE Goal Percent: 8.00

Description: The grading, drainage, construction of a concrete box beam bridge, retaining walls, signals and paving on S.R. 60 from the 4-lane north of I-75 (L.M. 17.20) to S.R. 306 (L.M. 19.89).

Contract Time: DT - 8/31/2025

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 105-01 | CONSTRUCTION STAKES, LINES AND GRADES | (1) | LS |
| 109-10.01 | TRAINEE | 6,280.000 | HOUR |
| 201-01 | CLEARING AND GRUBBING | (1) | LS |
| 202-01 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | (1) | LS |
| 202-04.01 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 18) | (1) | LS |
| 202-04.02 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 26) | (1) | LS |
| 202-04.03 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 34A) | (1) | LS |
| 202-04.04 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 34B) | (1) | LS |
| 202-04.05 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 35A) | (1) | LS |
| 202-04.06 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 37) | (1) | LS |
| 202-04.07 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 40) | (1) | LS |
| 202-04.08 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 51) | (1) | LS |
| 202-04.09 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 53) | (1) | LS |
| 202-04.10 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 67) | (1) | LS |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 202-04.11 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 84) | (1) | LS |
| 202-04.12 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 88) | (1) | LS |
| 202-04.13 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 94) | (1) | LS |
| 202-04.14 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 98) | (1) | LS |
| 202-04.15 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 103) | (1) | LS |
| 202-04.16 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 117) | (1) | LS |
| 202-04.17 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 118) | (1) | LS |
| 202-04.18 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 124) | (1) | LS |
| 202-04.19 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 127) | (1) | LS |
| 202-04.20 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 128) | (1) | LS |
| 202-04.21 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 129) | (1) | LS |
| 202-04.22 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 136) | (1) | LS |
| 202-04.50 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 140) | (1) | LS |
| 202-04.51 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 141) | (1) | LS |
| 202-04.52 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 144) | (1) | LS |
| 202-04.53 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (TRACT 147) | (1) | LS |
| 202-04.54 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (Tract 163) | (1) | LS |
| 203-01 | ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) | 168,533.000 | C.Y. |
| 203-02.01 | BORROW EXCAVATION (GRADED SOLID ROCK) | 26,750.000 | TON |
| 203-03 | BORROW EXCAVATION (UNCLASSIFIED) | 56,981.000 | C.Y. |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 203-04 | PLACING AND SPREADING TOPSOIL | 11,582.000 | C.Y. |
| 203-05 | UNDERCUTTING | 7,457.000 | C.Y. |
| 203-06 | WATER | 571.000 | M.G. |
| 203-50 | CONSTRUCTION OF HAUL ROAD | (1) | LS |
| 204-06.01 | FLOWABLE FILL (GENERAL) | 165.000 | C.Y. |
| 204-08 | FOUNDATION FILL MATERIAL | 74.000 | C.Y. |
| 209-02.07 | 18" TEMPORARY SLOPE DRAIN | 206.000 | L.F. |
| 209-03.20 | FILTER SOCK (8 INCH) | 243.000 | L.F. |
| 209-03.22 | FILTER SOCK (18 INCH) | 6,308.000 | L.F. |
| 209-03.23 | FILTER SOCK (24 INCH) | 814.000 | L.F. |
| 209-05 | SEDIMENT REMOVAL | 5,127.000 | C.Y. |
| 209-08.02 | TEMPORARY SILT FENCE (WITH BACKING) | 46,698.000 | L.F. |
| 209-08.03 | TEMPORARY SILT FENCE (WITHOUT BACKING) | 71,833.000 | L.F. |
| 209-08.07 | ROCK CHECK DAM | 610.000 | EACH |
| 209-08.08 | ENHANCED ROCK CHECK DAM | 203.000 | EACH |
| 209-09.03 | SEDIMENT FILTER BAG (15' X 15') | 4.000 | EACH |
| 209-09.41 | CURB INLET PROTECTION (TYPE 2) | 48.000 | EACH |
| 209-09.43 | CURB INLET PROTECTION (TYPE 4) | 297.000 | EACH |
| 209-40.30 | CATCH BASIN PROTECTION (TYPE A) | 17.000 | EACH |
| 209-40.31 | CATCH BASIN PROTECTION (TYPE B) | 14.000 | EACH |
| 209-40.32 | CATCH BASIN PROTECTION (TYPE C) | 13.000 | EACH |
| 209-40.33 | CATCH BASIN PROTECTION (TYPE D) | 98.000 | EACH |
| 209-40.34 | CATCH BASIN PROTECTION (TYPE E) | 1.000 | EACH |
| 209-40.41 | CATCH BASIN FILTER ASSEMBLY(TYPE 1) | 6.000 | EACH |
| 209-40.42 | CATCH BASIN FILTER ASSEMBLY(TYPE 2) | 84.000 | EACH |
| 209-40.46 | CATCH BASIN FILTER ASSEMBLY(TYPE 6) | 65.000 | EACH |
| 209-40.47 | CATCH BASIN FILTER ASSEMBLY(TYPE 7) | 12.000 | EACH |
| 209-40.48 | CATCH BASIN FILTER ASSEMBLY(TYPE 8) | 1.000 | EACH |
| 209-65.04 | TEMPORARY IN STREAM DIVERSION | 112.000 | L.F. |
| 303-01 | MINERAL AGGREGATE, TYPE A BASE, GRADING D | 104,342.000 | TON |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 303-01.01 | GRANULAR BACKFILL (ROADWAY) | 1,437.000 | TON |
| 303-10.01 | MINERAL AGGREGATE (SIZE 57) | 2,012.000 | TON |
| 307-01.01 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A | 572.000 | TON |
| 307-01.08 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 | 3,775.000 | TON |
| 307-01.21 | ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S | 17,677.000 | TON |
| 307-02.01 | ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A | 23,613.000 | TON |
| 307-02.08 | ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2 | 15,399.000 | TON |
| 402-01 | BITUMINOUS MATERIAL FOR PRIME COAT (PC) | 651.000 | TON |
| 402-02 | AGGREGATE FOR COVER MATERIAL (PC) | 2,573.000 | TON |
| 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | 230.000 | TON |
| 411-01.10 | ACS MIX(PG64-22) GRADING D | 2,392.000 | TON |
| 411-02.10 | ACS MIX(PG70-22) GRADING D | 9,543.000 | TON |
| 415-01.02 | COLD PLANING BITUMINOUS PAVEMENT | 161.000 | S.Y. |
| 604-01.01 | CLASS A CONCRETE (ROADWAY) | 145.000 | C.Y. |
| 604-01.02 | STEEL BAR REINFORCEMENT (ROADWAY) | 34,587.000 | LB. |
| 604-07.01 | RETAINING WALL (DESCRIPTION) (GRAVITY WALL) | 250.000 | S.F. |
| 604-07.02 | RETAINING WALL (DESCRIPTION) (32+75 - 34+00) | 738.000 | S.F. |
| 604-07.03 | RETAINING WALL (DESCRIPTION) (151+00 - 153+40) | 2,425.000 | S.F. |
| 607-03.02 | 18" CONCRETE PIPE CULVERT (CLASS III) | 14,134.000 | L.F. |
| 607-03.05 | 18" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 600.000 | L.F. |
| 607-05.02 | 24" CONCRETE PIPE CULVERT (CLASS III) | 5,296.000 | L.F. |
| 607-05.05 | 24" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 326.000 | L.F. |
| 607-06.02 | 30" CONCRETE PIPE CULVERT (CLASS III) | 2,176.000 | L.F. |
| 607-06.05 | 30" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 124.000 | L.F. |
| 607-07.02 | 36" CONCRETE PIPE CULVERT (CLASS III) | 522.000 | L.F. |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 607-07.05 | 36" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE | 84.000 | L.F. |
| 607-08.02 | 42" CONCRETE PIPE CULVERT (CLASS III) | 472.000 | L.F. |
| 607-08.05 | 42" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE | 78.000 | L.F. |
| 607-09.02 | 48" CONCRETE PIPE CULVERT (CLASS III) | 306.000 | L.F. |
| 607-09.05 | 48" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE | 304.000 | L.F. |
| 607-16.02 | 30"X 19" HORIZONTAL OVAL CONCRETE PIPE CULVERT | 36.000 | L.F. |
| 607-39.02 | 18" PIPE CULVERT (SIDE DRAIN) | 2,124.000 | L.F. |
| 607-39.03 | 24" PIPE CULVERT (SIDE DRAIN) | 242.000 | L.F. |
| 610-07.03 | 18" PIPE DRAIN (BRIDGE DRAIN) | 120.000 | L.F. |
| 611-01.02 | MANHOLES, > 4' - 8' DEPTH | 3.000 | EACH |
| 611-01.03 | MANHOLES, > 8' - 12' DEPTH | 1.000 | EACH |
| 611-01.04 | MANHOLES, > 12' - 16' DEPTH | 1.000 | EACH |
| 611-02.11 | JUNCTION BOX, TYPE 2 | 6.000 | EACH |
| 611-07.01 | CLASS A CONCRETE (PIPE ENDWALLS) | 8.000 | C.Y. |
| 611-07.02 | STEEL BAR REINFORCEMENT (PIPE ENDWALLS) | 360.000 | LB. |
| 611-07.54 | 18IN ENDWALL (CROSS DRAIN) 3:1 | 148.000 | EACH |
| 611-07.57 | 24IN ENDWALL (CROSS DRAIN) 3:1 | 20.000 | EACH |
| 611-07.60 | 30IN ENDWALL (CROSS DRAIN) 3:1 | 11.000 | EACH |
| 611-07.63 | 36IN ENDWALL (CROSS DRAIN) 3:1 | 2.000 | EACH |
| 611-07.66 | 42IN ENDWALL (CROSS DRAIN) 3:1 | 2.000 | EACH |
| 611-07.69 | 48IN ENDWALL (CROSS DRAIN) 3:1 | 3.000 | EACH |
| 611-10.02 | CATCH BASINS, TYPE 10, > 4' - 8' DEPTH | 3.000 | EACH |
| 611-12.01 | CATCH BASINS, TYPE 12, 0' - 4' DEPTH | 39.000 | EACH |
| 611-12.02 | CATCH BASINS, TYPE 12, > 4' - 8' DEPTH | 71.000 | EACH |
| 611-12.03 | CATCH BASINS, TYPE 12, > 8' - 12' DEPTH | 18.000 | EACH |
| 611-12.04 | CATCH BASINS, TYPE 12, > 12' - 16' DEPTH | 7.000 | EACH |
| 611-12.05 | CATCH BASINS, TYPE 12, > 16' - 20' DEPTH | 1.000 | EACH |
| 611-13.01 | CATCH BASINS, TYPE 13, 0' - 4' DEPTH | 2.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 611-13.02 | CATCH BASINS, TYPE 13, > 4' - 8' DEPTH | 6.000 | EACH |
| 611-14.01 | CATCH BASINS, TYPE 14, 0' - 4' DEPTH | 3.000 | EACH |
| 611-14.02 | CATCH BASINS, TYPE 14, > 4' - 8' DEPTH | 9.000 | EACH |
| 611-14.03 | CATCH BASINS, TYPE 14, > 8' - 12' DEPTH | 6.000 | EACH |
| 611-14.04 | CATCH BASINS, TYPE 14, > 12' - 16' DEPTH | 2.000 | EACH |
| 611-16.02 | CATCH BASINS, TYPE 16, > 4' - 8' DEPTH | 1.000 | EACH |
| 611-25.01 | CATCH BASINS, TYPE 25, 0' - 4' DEPTH | 1.000 | EACH |
| 611-25.02 | CATCH BASINS, TYPE 25, > 4' - 8' DEPTH | 1.000 | EACH |
| 611-38.01 | CATCH BASINS, TYPE 38, 0' - 4' DEPTH | 2.000 | EACH |
| 611-38.02 | CATCH BASINS, TYPE 38, > 4' - 8' DEPTH | 7.000 | EACH |
| 611-38.05 | CATCH BASINS, TYPE 38, > 16' - 20' DEPTH | 1.000 | EACH |
| 611-40.02 | CATCH BASINS, TYPE 40, > 4' - 8' DEPTH | 1.000 | EACH |
| 611-42.01 | CATCH BASINS, TYPE 42, 0' - 4' DEPTH | 17.000 | EACH |
| 611-42.02 | CATCH BASINS, TYPE 42, > 4' - 8' DEPTH | 19.000 | EACH |
| 620-05 | CONCRETE PARAPET WITH STRUCTURAL TUBING | 365.000 | L.F. |
| 620-10 | CONCRETE PARAPET WITH PEDESTRIAN RAILING | 51.000 | L.F. |
| 621-03.02 | 18" TEMPORARY DRAINAGE PIPE | 168.000 | L.F. |
| 621-03.03 | 24" TEMPORARY DRAINAGE PIPE | 224.000 | L.F. |
| 621-03.04 | 30" TEMPORARY DRAINAGE PIPE | 80.000 | L.F. |
| 621-03.05 | 36" TEMPORARY DRAINAGE PIPE | 76.000 | L.F. |
| 621-03.07 | 48" TEMPORARY DRAINAGE PIPE | 214.000 | L.F. |
| 621-05.01 | TEMPORARY SHORING | 600.000 | S.F. |
| 701-01.01 | CONCRETE SIDEWALK (4 ") | 153,460.000 | S.F. |
| 701-02 | CONCRETE DRIVEWAY | 46,921.000 | S.F. |
| 701-02.03 | CONCRETE CURB RAMP | 5,814.000 | S.F. |
| 701-03 | CONCRETE MEDIAN PAVEMENT | 9.000 | C.Y. |
| 702-01 | CONCRETE CURB | 133.000 | C.Y. |
| 702-03 | CONCRETE COMBINED CURB & GUTTER | 2,347.000 | C.Y. |
| 703-01 | PORTLAND CEMENT CONCRETE DITCH PAVING | 9.000 | C.Y. |
| 705-04.03 | GUARDRAIL TERMINAL (TYPE 13) | 1.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 705-04.09 | EARTH PAD FOR TYPE 38 GR END TREATMENT | 5.000 | EACH |
| 705-06.01 | W BEAM GR (TYPE 2) MASH TL-3 | 56.000 | L.F. |
| 705-06.20 | TANGENT ENERGY ABSORBING TERM MASH TL-3 | 5.000 | EACH |
| 705-06.25 | THRIE BEAM BRIDGE TRANSITION MASH TL-3 | 5.000 | EACH |
| 705-07.02 | CONC BARRIER CRASH CUSHION(NCHRP 350-TL3) | 3.000 | EACH |
| 705-08.51 | PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3 | 10.000 | EACH |
| 706-01 | GUARDRAIL REMOVED | 1,365.000 | L.F. |
| 706-06.03 | RADIUS RAIL | 24.000 | L.F. |
| 707-01.11 | CHAIN LINK FENCE (6 FOOT) | 1,569.000 | L.F. |
| 707-01.12 | END & CORNER POST ASSEMBLY(CHAIN-LINK FENCE 6') | 24.000 | EACH |
| 707-01.13 | GATE - CHAIN-LINK FENCE-6 FOOT (DESCRIPTION) (12 FT GATE) | 1.000 | EACH |
| 707-01.14 | GATE - CHAIN-LINK FENCE-6 FOOT (DESCRIPTION) (18 FT GATE) | 1.000 | EACH |
| 707-06.01 | REMOVAL OF FENCE (DESCRIPTION) (DESCRIPTION) | 7,582.000 | L.F. |
| 707-08.11 | HIGH-VISIBILITY CONSTRUCTION FENCE | 11,576.000 | L.F. |
| 708-02.01 | MARKERS (CONCRETE R.O.W. POSTS) | 123.000 | EACH |
| 709-05.05 | MACHINED RIP-RAP (CLASS A-3) | 801.000 | TON |
| 709-05.06 | MACHINED RIP-RAP (CLASS A-1) | 3,008.000 | TON |
| 709-05.08 | MACHINED RIP-RAP (CLASS B) | 800.000 | TON |
| 709-05.09 | MACHINED RIP-RAP (CLASS C) | 138.000 | TON |
| 710-02 | AGGREGATE UNDERDRAINS (WITH PIPE) | 30,420.000 | L.F. |
| 710-05 | LATERAL UNDERDRAIN | 900.000 | L.F. |
| 710-06.12 | LATERAL UNDERDRAIN ENDWALL (3:1) | 2.000 | EACH |
| 710-06.15 | LATERAL UNDERDRAIN ENDWALL (6:1) | 6.000 | EACH |
| 712-01 | TRAFFIC CONTROL | (1) | LS |
| 712-02.02 | INTERCONNECTED PORTABLE BARRIER RAIL | 3,827.000 | L.F. |
| 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | 1,098.000 | EACH |
| 712-04.50 | BARRIER RAIL DELINEATOR | 186.000 | EACH |
| 712-05.01 | WARNING LIGHTS (TYPE A) | 74.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 712-06 | SIGNS (CONSTRUCTION) | 2,481.000 | S.F. |
| 712-07.03 | TEMPORARY BARRICADES (TYPE III) | 2,232.000 | L.F. |
| 712-08.03 | ARROW BOARD (TYPE C) | 1.000 | EACH |
| 713-11.02 | PERFORATED/KNOCKOUT SQUARE TUBE POST | 5,930.000 | LB. |
| 713-13.02 | FLAT SHEET ALUMINUM SIGNS (0.080" THICK) | 527.000 | S.F. |
| 713-13.03 | FLAT SHEET ALUMINUM SIGNS (0.100" THICK) | 359.000 | S.F. |
| 713-15 | REMOVAL OF SIGNS, POSTS AND FOOTINGS | (1) | LS |
| 713-15.06 | MILE POST SIGN | 7.000 | EACH |
| 713-15.07 | SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK) | 10.000 | EACH |
| 713-16.01 | CHANGEABLE MESSAGE SIGN UNIT | 25.000 | EACH |
| 716-01.05 | TEMPORARY RAISED PAVEMENT MARKER | 287.000 | EACH |
| 716-01.14 | RAISED PAVEMENT MARKER REMOVAL | 287.000 | EACH |
| 716-01.21 | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR) | 480.000 | EACH |
| 716-01.22 | SNOWPLOWABLE RAISED PAVEMENT MARKERS (MONO-DIR)(1 COLOR) | 429.000 | EACH |
| 716-01.23 | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR) | 8.000 | EACH |
| 716-01.30 | REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER | 540.000 | EACH |
| 716-02.03 | PLASTIC PAVEMENT MARKING (CROSS-WALK) | 2,078.000 | L.F. |
| 716-02.04 | PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING) | 229.000 | S.Y. |
| 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | 912.000 | L.F. |
| 716-02.06 | PLASTIC PAVEMENT MARKING (TURN LANE ARROW) | 89.000 | EACH |
| 716-02.08 | PLASTIC PAVEMENT MARKING (8" DOTTED LINE) | 2,346.000 | L.F. |
| 716-02.12 | PLASTIC PAVEMENT MARKING (8IN LINE) | 1.000 | L.M. |
| 716-03.01 | PLASTIC WORD PAVEMENT MARKING (ONLY) | 3.000 | EACH |
| 716-04.01 | PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW) | 2.000 | EACH |
| 716-04.04 | PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER) | 624.000 | L.F. |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 716-04.05 | PLASTIC PAVEMENT MARKING (STRAIGHT ARROW) | 2.000 | EACH |
| 716-04.12 | PLASTIC PAVEMENT MARKING (YIELD LINE) | 30.000 | S.F. |
| 716-04.14 | PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW) | 2.000 | EACH |
| 716-05.02 | PAINTED PAVEMENT MARKING (8" BARRIER LINE) | 144.000 | L.F. |
| 716-05.05 | PAINTED PAVEMENT MARKING (STOP LINE) | 150.000 | L.F. |
| 716-05.06 | PAINTED PAVEMENT MARKING (TURN LANE ARROW) | 9.000 | EACH |
| 716-05.09 | PAINTED PAVEMENT MARKING(STRAIGHT-TURN ARROW) | 9.000 | EACH |
| 716-05.20 | PAINTED PAVEMENT MARKING (6" LINE) | 17.000 | L.M. |
| 716-12.02 | ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE) | 18.700 | L.M. |
| 717-01 | MOBILIZATION | (1) | LS |
| 730-01.02 | REMOVAL OF SIGNAL EQUIPMENT | 4.000 | EACH |
| 730-01.04 | MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT | (1) | LS |
| 730-01.08 | SCHOOL SPEED LIMIT FLASHING SIGNAL INSTALLED | 5.000 | EACH |
| 730-02.08 | SIGNAL HEAD ASSEMBLY (130 POLE MOUNTED) | 2.000 | EACH |
| 730-02.09 | SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) | 26.000 | EACH |
| 730-02.30 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (130 A3 WITH BACKPLATE) | 6.000 | EACH |
| 730-02.31 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (150 A2H WITH BACKPLATE) | 5.000 | EACH |
| 730-02.32 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (140 A1 WITH BACKPLATE) | 2.000 | EACH |
| 730-02.33 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (130 A3F WITH BACKPLATE) | 6.000 | EACH |
| 730-03.12 | AERIAL SPLICE ENCLOSURE | 2.000 | EACH |
| 730-03.21 | INSTALL PULL BOX (TYPE B) | 23.000 | EACH |
| 730-03.23 | INSTALL PULL BOX (FIBER OPTIC-TYPE A) | 6.000 | EACH |
| 730-03.33 | FIBER OPTIC SPLICE FUSION | 12.000 | EACH |
| 730-05.01 | ELECTRICAL SERVICE CONNECTION | 9.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 730-08.02 | SIGNAL CABLE - 5 CONDUCTOR | 5,640.000 | L.F. |
| 730-08.03 | SIGNAL CABLE - 7 CONDUCTOR | 6,535.000 | L.F. |
| 730-08.04 | SIGNAL CABLE - 9 CONDUCTOR | 535.000 | L.F. |
| 730-08.40 | INTERCONNECT CABLE - FIBER OPTIC (DESCRIPTION) (6 FIBER DROP CABLE) | 425.000 | L.F. |
| 730-11.01 | STEEL CONDUIT RISER ASSEMBLY | 3.000 | EACH |
| 730-12.02 | CONDUIT 2" DIAMETER (PVC) | 505.000 | L.F. |
| 730-12.03 | CONDUIT 3" DIAMETER (PVC) | 715.000 | L.F. |
| 730-12.08 | CONDUIT 2" DIAMETER (RGS) | 425.000 | L.F. |
| 730-12.09 | CONDUIT 3" DIAMETER (RGS) | 1,100.000 | L.F. |
| 730-13.08 | VEHICLE DETECTOR (DESCRIPTION) (GPS ACTIVATED PRIORITY CONTROL) | 4.000 | EACH |
| 730-13.09 | VEHICLE DETECTOR (DESCRIPTION) (RADAR- STOP LINE) | 16.000 | EACH |
| 730-13.10 | VEHICLE DETECTOR (DESCRIPTION) (RADAR- ADVANCE) | 11.000 | EACH |
| 730-15.07 | CABINET (DESCRIPTION) (POLE MOUNTED SCHOOL FLASHER) | 4.000 | EACH |
| 730-15.08 | CABINET (DESCRIPTION) (ATC BASE MOUNTED) | 1.000 | EACH |
| 730-15.32 | CABINET (EIGHT PHASE BASE MOUNTED) | 3.000 | EACH |
| 730-16.04 | CONTROLLER (ATC) | 4.000 | EACH |
| 730-16.14 | CONTROLLER (DESCRIPTION) (SCHOOL ZONE FLASHER) | 4.000 | EACH |
| 730-23.30 | PEDESTAL POLE (DESCRIPTION) (10' PEDESTRIAN TYPE A) | 12.000 | EACH |
| 730-23.31 | PEDESTAL POLE (DESCRIPTION) (18' TYPE B) | 1.000 | EACH |
| 730-23.64 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 30') | 1.000 | EACH |
| 730-23.72 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 35') | 1.000 | EACH |
| 730-23.80 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 40') | 1.000 | EACH |
| 730-23.88 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 45') | 4.000 | EACH |
| 730-24.92 | CANTILEVER SIGNAL SUPPORT (2 @ 45' & 60') | 1.000 | EACH |
| 730-25.01 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 50') | 1.000 | EACH |
| 730-25.03 | CANTILEVER SIGNAL SUPPORT (2 @ 50' & 55') | 1.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 730-25.11 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 60') | 1.000 | EACH |
| 730-25.14 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 70') | 2.000 | EACH |
| 730-25.16 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 80') | 4.000 | EACH |
| 730-25.17 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 85') | 1.000 | EACH |
| 730-26.11 | COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN | 28.000 | EACH |
| 740-07.04 | GEOGRID REINFORCEMENT TYPE 2 | 3,093.000 | S.Y. |
| 740-10.03 | GEOTEXTILE (TYPE III)(EROSION CONTROL) | 6,501.000 | S.Y. |
| 740-10.04 | GEOTEXTILE (TYPE IV)(STABILIZATION) | 21,906.000 | S.Y. |
| 740-11.03 | TEMPORARY SEDIMENT TUBE 18IN | 1,636.000 | L.F. |
| 740-11.04 | TEMPORARY SEDIMENT TUBE 20IN | 25,524.000 | L.F. |
| 801-01.07 | TEMPORARY SEEDING (WITH MULCH) | 253.000 | UNIT |
| 801-01.36 | SPECIAL WETLAND SEED MIXTURE | 44.000 | UNIT |
| 801-01.65 | TEMPORARY MULCH | 44.000 | UNIT |
| 801-02 | SEEDING (WITHOUT MULCH) | 18.000 | UNIT |
| 801-03 | WATER (SEEDING & SODDING) | 738.000 | M.G. |
| 802-12.02 | ACER RUBRUM (RED MAPLE SEEDLNG B.R.) | 97.000 | EACH |
| 802-12.11 | CERCIS CANADENSIS (REDBUD SEEDLNG B.R.) | 97.000 | EACH |
| 802-12.18 | LIQUIDAMBER STYRACIFLUA (SWEETGUM SEEDLNG B.R.) | 97.000 | EACH |
| 802-12.38 | QUERCUS PHELLOS (WILLOW OAK SEEDLNG B.R.) | 97.000 | EACH |
| 802-12.40 | SALIX NIGRA (BLACK WILLOW SEEDLNG B.R.) | 96.000 | EACH |
| 803-01 | SODDING (NEW SOD) | 70,824.000 | S.Y. |
| 805-01.01 | TURF REINFORCEMENT MAT (CLASS I) | 27.000 | S.Y. |
| 805-12.01 | EROSION CONTROL BLANKET (TYPE I) | 7,928.000 | S.Y. |
| 805-12.02 | EROSION CONTROL BLANKET (TYPE II) | 1,996.000 | S.Y. |
| 202-04.01 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (EXISTING BR. NO. 06-SR-18.57) | (1) | LS |
| 204-02.01 | DRY EXCAVATION (BRIDGES) | 316.000 | C.Y. |
| 204-05.01 | CORE DRILLING AND SAMPLING | 1,707.000 | L.F. |
| 303-01.02 | GRANULAR BACKFILL (BRIDGES) | 56.000 | TON |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 604-02.03 | EPOXY COATED REINFORCING STEEL | 511,088.000 | LB. |
| 604-03.01 | CLASS A CONCRETE (BRIDGES) | 790.000 | C.Y. |
| 604-03.02 | STEEL BAR REINFORCEMENT (BRIDGES) | 152,612.000 | LB. |
| 604-03.04 | PAVEMENT @ BRIDGE ENDS | 502.000 | S.Y. |
| 604-03.32 | CLASS DS CONCRETE | 1,610.000 | C.Y. |
| 604-04.01 | APPLIED TEXTURE FINISH (NEW STRUCTURES) | 3,056.000 | S.Y. |
| 604-04.41 | THREE STAR STATE EMBLEM | 4.000 | EACH |
| 604-05.31 | BRIDGE DECK GROOVING (MECHANICAL) | 5,424.000 | S.Y. |
| 606-03.03 | STEEL PILES (12 INCH) | 724.000 | L.F. |
| 606-03.06 | PILE TIPS (STEEL PILES, 12 INCH) | 30.000 | EACH |
| 610-10.45 | DECK DRAINS (DESCRIPTION) (GRATE TYPE 2) | 4.000 | EACH |
| 615-02.11 | PRESTRESSED CONCRETE BOX BEAM (33" X 48") | 7,386.000 | L.F. |
| 620-05 | CONCRETE PARAPET WITH STRUCTURAL TUBING | 1,133.000 | L.F. |
| 625-01.11 | CAMERA INSPECTION - DRILLED SHAFT (UNDERWATER) | 30.000 | EACH |
| 625-02.01 | DRILLED SHAFT-SOIL (DIA.) (3'-6" DIAMETER) | 597.000 | V.F. |
| 625-02.13 | DRILLED SHAFT-ROCK (DIA.) (3'-6" DIAMETER) | 511.000 | V.F. |
| 625-02.25 | DRILLED SHAFT CASING-PERMANENT (DIA.) (3'-6" INSIDE DIAMETER) | 897.000 | V.F. |
| 625-02.40 | DRILLED SHAFT (SH-SCC) CONCRETE | 395.000 | C.Y. |
| 625-02.43 | CONCRETE CORING | 1,138.000 | V.F. |
| 625-02.44 | DRILLED SHAFT REINFORCING STEEL | 86,163.000 | LB. |
| 710-09.01 | 6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM | 236.000 | L.F. |
| 710-09.02 | 6" PIPE UNDERDRAIN | 46.000 | L.F. |
| 714-01.01 | STRUCTURAL LIGHTING (BRIDGE NO.) (CANDIES CREEK BRIDGE) | (1) | LS |
| 714-02.01 | ENCASED CONDUIT (2" PVC, SCHEDULE 80) | 105.000 | L.F. |
| 714-03.01 | DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40) | 4,025.000 | L.F. |
| 714-05.04 | PULL BOXES (TYPE C) | 5.000 | EACH |
| 714-06.08 | CABLE (DESCRIPTION) (#2 AL UG TRIPLEX - RAMAPO) | 5,260.000 | L.F. |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 714-08.09 | LIGHT STANDARDS (DESCRIPTION) (45FT AL. W/T-BASE) | 5.000 | EACH |
| 714-08.10 | LIGHT STANDARDS (DESCRIPTION) (40FT AL. W/T-BASE) | 10.000 | EACH |
| 714-08.11 | LIGHT STANDARDS (DESCRIPTION) (26FT AL. W/T-BASE) | 2.000 | EACH |
| 714-08.20 | FOUNDATION (ONLY) FOR LIGHT STANDARD | 15.000 | EACH |
| 714-09.09 | LUMINAIRES (DESCRIPTION) (126 W LED OFFSET) | 45.000 | EACH |
| 714-09.10 | LUMINAIRES (DESCRIPTION) (180 W LED OFFSET) | 13.000 | EACH |
| 714-09.11 | LUMINAIRES (DESCRIPTION) (133 W COBRA HEAD W/10' ARM) | 4.000 | EACH |
| 714-09.12 | LUMINAIRES (DESCRIPTION) (133 W COBRA HEAD W/6' ARM) | 1.000 | EACH |
| 714-10.01 | OVERHEAD CONDUCTORS (GAUGE & TYPE) (#4 AL TPX - PERIWINKLE) | 6,661.000 | L.F. |
| 714-25.09 | ELECTRICAL CONNECTION (DESCRIPTION) | 43.000 | EACH |
| 714-25.22 | INSTALL SVC RISER (DESCRIPTION) (2 IN CONDUIT) | 7.000 | EACH |
| 790-01.04 | POLE 30FT CLASS 5 WOOD | 1.000 | EACH |
| 790-01.05 | POLE 30FT CLASS 6 WOOD | 6.000 | EACH |
| 790-03.03 | POLE 40FT CLASS 4 WOOD | 23.000 | EACH |
| 790-03.05 | POLE 40FT CLASS 1 METAL | 1.000 | EACH |
| 790-03.30 | POLE 40FT CLASS 1 WOOD | 1.000 | EACH |
| 790-03.31 | POLE 40FT CLASS 3 METAL | 1.000 | EACH |
| 790-04.02 | POLE 45FT CLASS 2 WOOD | 1.000 | EACH |
| 790-04.03 | POLE 45FT CLASS 3 WOOD | 4.000 | EACH |
| 790-04.04 | POLE 45FT CLASS 4 WOOD | 1.000 | EACH |
| 790-04.21 | POLE 45FT CLASS 3 METAL | 1.000 | EACH |
| 790-05.02 | POLE 50FT CLASS 2 WOOD | 5.000 | EACH |
| 790-05.05 | POLE 50FT CLASS 1 METAL | 1.000 | EACH |
| 790-05.16 | POLE 50FT CLASS 3 METAL | 3.000 | EACH |
| 790-06.05 | POLE 55 FT CLASS 1 METAL | 2.000 | EACH |
| 790-06.07 | POLE 55FT CLASS H1 METAL | 19.000 | EACH |
| 790-07.05 | POLE 60FT CLASS 1 METAL | 1.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 790-11.05 | POLE 80FT CLASS H2 METAL | 3.000 | EACH |
| 790-11.06 | POLE 80FT CLASS H3 METAL | 7.000 | EACH |
| 790-11.07 | POLE 80FT CLASS H4 METAL | 4.000 | EACH |
| 790-11.08 | POLE 80FT CLASS H5 METAL | 1.000 | EACH |
| 790-11.16 | POLE 80FT CLASS 1 METAL | 1.000 | EACH |
| 790-12.05 | POLE 85FT CLASS H2 METAL | 2.000 | EACH |
| 790-12.06 | POLE 85FT CLASS H3 METAL | 3.000 | EACH |
| 790-12.07 | POLE 85FT CLASS H4 METAL | 3.000 | EACH |
| 790-20.03 | POLE(SPECIFY POLE LENGTH, CLASS, AND MATERIAL) (55FT CLASS 3 STEEL) | 11.000 | EACH |
| 790-20.04 | POLE(SPECIFY POLE LENGTH, CLASS, AND MATERIAL) (85FT CLASS H1 STEEL) | 1.000 | EACH |
| 790-21.01 | 1PH SGL PRIMARY SUPPORT 15KV | 1.000 | EACH |
| 790-21.08 | 1PH DEADEND 15KV | 5.000 | EACH |
| 790-21.09 | 1PH PRIMARY TAP 15KV | 9.000 | EACH |
| 790-21.10 | 1PH VERTICAL DDE 15KV | 2.000 | EACH |
| 790-21.11 | 1PH CROSSARM DEADEND 15KV | 2.000 | EACH |
| 790-22.01 | 1PH SGL PRIMARY SUPPORT 25KV | 2.000 | EACH |
| 790-22.10 | 1PH SUSPENSION ANGLE 25KV | 1.000 | EACH |
| 790-22.13 | 1PH DEAD END 25KV | 8.000 | EACH |
| 790-22.14 | 1PH DEAD END TAP 25KV | 1.000 | EACH |
| 790-22.15 | 1PH DEAD END TAP W/ EXTENSION 25KV | 6.000 | EACH |
| 790-22.16 | 1PH DDE TANGENT 25KV | 4.000 | EACH |
| 790-22.18 | 1PH SGL DEAD END XARM 25KV | 7.000 | EACH |
| 790-24.08 | 2PH DEAD END CROSSARM 25KV | 1.000 | EACH |
| 790-25.02 | 3PH NARROW PROFILE SGL 15KV | 14.000 | EACH |
| 790-25.03 | 3PH NARROW PROFILE SGL LG COND 15KV | 20.000 | EACH |
| 790-25.16 | 3PH VERTICAL LRG COND 15KV | 1.000 | EACH |
| 790-25.20 | 3PH VERTICAL DEADEND LG COND 15KV | 1.000 | EACH |
| 790-25.21 | 3PH CROSSARM DEADEND SGL 15KV | 12.000 | EACH |
| 790-25.23 | 3PH CROSSARM DDE 15KV | 2.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 790-25.24 | 3PH CROSSARM DDE LRG COND 15KV | 4.000 | EACH |
| 790-25.56 | 3PH VERTICAL DBL DEADEND 15KV | 1.000 | EACH |
| 790-26.02 | 3PH CROSSARM DBL LRG COND 25KV | 4.000 | EACH |
| 790-26.03 | 3PH CROSSARM SGL LRG COND 25KV | 19.000 | EACH |
| 790-26.15 | 3PH XARM DBL 10FT LRG COND SM ANGLE 25KV | 10.000 | EACH |
| 790-26.25 | 3PH CROSSARM DDE 25KV | 4.000 | EACH |
| 790-26.26 | 3PH CROSSARM DEAD END 25KV | 2.000 | EACH |
| 790-26.27 | 3PH CROSSARM DBL DDE 25KV | 5.000 | EACH |
| 790-26.28 | 3PH DBL 10FT XARM DDE 25KV | 4.000 | EACH |
| 790-26.29 | 3PH DDE UNBALANCED LOAD 25KV | 2.000 | EACH |
| 790-30.03 | SECONDARY ASSEMBLIES DEADEND | 3.000 | EACH |
| 790-30.13 | SECONDARY CONDUCTOR 2 AL TRIPLEX | 1,432.000 | L.F. |
| 790-30.14 | SECONDARY CONDUCTOR 1/0 AL TRIPLEX | 137.000 | L.F. |
| 790-31.02 | SERVICE ASSEMBLY-POLE TYPE | 46.000 | EACH |
| 790-31.03 | SERVICE ASSEMBLY-MAST TYPE | 1.000 | EACH |
| 790-31.11 | SERVICE CONDUCTOR 2 AL TRIPLEX | 817.000 | L.F. |
| 790-32.01 | DOWN GUY - THROUGH BOLT TYPE | 43.000 | EACH |
| 790-32.02 | DOWN GUY - THROUGH BOLT TYPE HEAVY DUTY | 23.000 | EACH |
| 790-32.06 | DOWN GUY - INSULATED | 78.000 | EACH |
| 790-32.07 | OH GUY - THROUGH BOLT TYPE | 14.000 | EACH |
| 790-32.08 | OH GUY - THROUGH BOLT TYPE HEAVY DUTY | 11.000 | EACH |
| 790-32.23 | GUY GUARD | 136.000 | EACH |
| 790-33.04 | SCREW TYPE ANCHOR 10,000LB-12,000LB | 50.000 | EACH |
| 790-33.11 | SERVICE ANCHOR SCREW TYPE | 2.000 | EACH |
| 790-33.30 | SCREW TYPE ANCHOR 16,000LB (F1-2D-P) | 11.000 | EACH |
| 790-33.31 | SCREW TYPE ANCHOR 23,000LB (F1-5D-P) | 58.000 | EACH |
| 790-33.32 | SCREW TYPE ANCHOR 36,000LB (F1-6T-P) | 2.000 | EACH |
| 790-36.01 | SWITCH-900A-UNDERSLUNG | 1.000 | EACH |
| 790-36.02 | TRANSFER CAPACITOR BANK | 1.000 | EACH |
| 790-36.08 | TRANSFER SECONDARY/SERVICE ASSEMBLY | 12.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 790-40.03 | OH COND 1/0 6/1 ACSR RAVEN | 7,630.000 | L.F. |
| 790-40.05 | OH COND 3/0 6/1 ACSR PIGEON | 4,958.000 | L.F. |
| 790-40.36 | OH COND 1/0 7 AAC POPPY | 3,692.000 | L.F. |
| 790-40.38 | OH COND 3/0 7 AAC PHLOX | 3,525.000 | L.F. |
| 790-40.42 | OH COND 336.4 19 AAC TULIP | 31,220.000 | L.F. |
| 790-40.49 | OH COND 795 37 AAC ARBUTUS | 35,994.000 | L.F. |
| 790-40.76 | OH STATIC COND _____ (SEE PLANS) | 5,022.000 | L.F. |
| 790-41.03 | UG PRI COND 1/0 AL 15KV | 10,685.000 | L.F. |
| 790-41.13 | UG PRI COND 1/0 AL 25KV | 399.000 | L.F. |
| 790-41.47 | UG SEC COND 2/0 AL TPLX | 417.000 | L.F. |
| 790-41.49 | UG SEC COND 4/0 AL TPLX | 301.000 | L.F. |
| 790-42.08 | 2IN DIA PVC PIPE | 2,715.000 | L.F. |
| 790-42.09 | 3IN DIA PVC PIPE | 430.000 | L.F. |
| 790-42.16 | 1 DUCT @ 36IN-48IN DEPTH | 312.000 | L.F. |
| 790-42.17 | 2 DUCT BANK @ 36IN-48IN DEPTH | 30.000 | L.F. |
| 790-42.18 | 3 DUCT BANK @ 36IN-48IN DEPTH | 781.000 | L.F. |
| 790-43.01 | LOADBREAK ELBOW 200A 15KV | 22.000 | EACH |
| 790-43.47 | PRIMARY PULLBOX | 1.000 | EACH |
| 790-43.50 | SECONDARY RISER W/ 2IN CONDUIT | 4.000 | EACH |
| 790-43.53 | 1PH PRIMARY RISER W/ 3IN CONDUIT | 2.000 | EACH |
| 790-43.59 | SECONDARY RISER (DESCRIPTION) (SEE PLANS) | 5.000 | EACH |
| 790-43.60 | PRIMARY RISER (DESCRIPTION) (SEE PLANS) | 1.000 | EACH |
| 790-43.62 | 3PH PRIMARY RISER W/ 4IN CONDUIT | 8.000 | EACH |
| 790-46.02 | 1PH TRANSFORMER CONV W/POLE MTD FUSE & LA | 32.000 | EACH |
| 790-46.03 | 1PH TRANSFORMER CONV W/XARM MTD FUSE & LA | 14.000 | EACH |
| 790-52.01 | 1.5KVA 1PH OH XFORMER 7.2KV 120/240 | 1.000 | EACH |
| 790-52.03 | 10KVA 1PH OH XFORMER 7.2KV 120/240 | 16.000 | EACH |
| 790-52.05 | 15KVA 1PH OH XFORMER 7.2KV DUAL VOLTAGE | 1.000 | EACH |
| 790-52.08 | 25KVA 1PH OH XFORMER 7.2KV DUAL VOLTAGE | 8.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 790-52.12 | 50KVA 1PH OH XFORMER 7.2KV DUAL VOLTAGE | 3.000 | EACH |
| 790-58.06 | GOAB SWITCH 15KV | 2.000 | EACH |
| 790-60.02 | 1PH FUSE CUTOFF BRKT MOUNT 15KV | 5.000 | EACH |
| 790-60.03 | 1PH SECTIONALIZER OR RECLOSER 15KV | 2.000 | EACH |
| 790-60.10 | 3PH SECTLR OR RECL W/ BYPASS SW 15KV | 2.000 | EACH |
| 790-61.01 | 1PH FUSE CUTOFF XARM MOUNT 25KV | 4.000 | EACH |
| 790-62.06 | 1PH HYDR RECL 280A CONT 5000A INT 15KV | 1.000 | EACH |
| 790-62.11 | 3PH HYDR RECL 100A CONT 2000A INT 15KV | 1.000 | EACH |
| 790-62.16 | 3PH ELECTR RECL 560A CONT 12000A INT 15KV | 1.000 | EACH |
| 790-63.01 | 1PH HYDR RECL 100A CONT 2500A INT 25KV | 1.000 | EACH |
| 790-65.03 | LIGHTNING ARRESTER ARM MTD 9 KV | 12.000 | EACH |
| 790-65.05 | LIGHTNING ARRESTER ARM MTD 18 KV | 6.000 | EACH |
| 790-68.01 | POLE GROUND ROD TYPE | 8.000 | EACH |
| 790-68.10 | MISCELLANEOUS ASSEMBLIES | 12.000 | EACH |
| 790-69.09 | GND-ASSY GND ROD WITH ALUMINUM | 32.000 | EACH |
| 790-69.11 | GROUND-GROUND ROD FOR ST POLE | 46.000 | EACH |
| 790-69.12 | GROUND ASSEMBLY GROUND PLATE TYPE | 3.000 | EACH |
| 790-69.22 | POLE TOP PIN | 3.000 | EACH |
| 790-69.26 | EXTENSION LINK - EPOXY -1FT | 4.000 | EACH |
| 790-69.28 | EXTENSION LINK - EPOXY -6FT | 42.000 | EACH |
| 790-69.31 | STICK PIN | 6.000 | EACH |
| 790-69.32 | ARM PIN | 33.000 | EACH |
| 790-70.10 | FLOOD LIGHT | 2.000 | EACH |
| 790-70.20 | STREET LIGHT (DESCRIPTION) (70W LED) | 1.000 | EACH |
| 790-71.22 | TANGENT LN POST/SUSP INS 69KV MAX | 21.000 | EACH |
| 790-71.29 | MED VERT ANG 69KV MAX | 1.000 | EACH |
| 790-71.33 | DDE LRG VERT ANG 69KV MAX | 3.000 | EACH |
| 790-71.75 | VERTICAL DDE 69KV MAX | 1.000 | EACH |
| 790-72.07 | GUY FACTORY FORMED WITH THIMBLE CLEVIS | 36.000 | EACH |
| 790-72.15 | MEDIUM DUTY GUYING TEE | 12.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|-------------------------------------|-----------------|--------------|
| 790-73.03 | LINE POST | 3.000 | EACH |
| 790-74.08 | 96 FIBER(MATERIAL ONLY) | 10,953.000 | L.F. |
| 790-74.19 | 12-96 FIBER(INSTALLATION ONLY) | 11,016.000 | L.F. |
| 790-74.25 | FIBER SPLICE-12 FIBER RIBBON | 28.000 | EACH |
| 790-74.26 | FIBER OPTIC MAINTENANCE LOOP | 9.000 | EACH |
| 790-98.01 | REMOVE WIRE | 116,740.000 | L.F. |
| 790-98.02 | REMOVE POLES | 130.000 | EACH |
| 790-98.03 | REMOVE FRAMING/ASSOCIATED APPARATUS | 822.000 | EACH |
| 790-98.04 | REMOVE FIBER OPTIC CABLE | 10,110.000 | L.F. |
| 791-01.04 | 4IN STEEL GAS MAIN | 35.000 | L.F. |
| 791-02.02 | 2IN MDPE GAS MAIN | 1,420.000 | L.F. |
| 791-02.04 | 4IN MDPE GAS MAIN | 2,455.000 | L.F. |
| 791-02.05 | 6IN MDPE GAS MAIN | 4,185.000 | L.F. |
| 791-06.10 | CONNECT TO 2IN EX. STL MAIN | 4.000 | EACH |
| 791-06.11 | CONNECT TO 4IN EX. STL MAIN | 5.000 | EACH |
| 791-07.01 | 2IN PE GAS VALVE ASSEMBLY | 3.000 | EACH |
| 791-07.02 | 4IN PE GAS VALVE ASSEMBLY | 1.000 | EACH |
| 791-07.03 | 6IN PE GAS VALVE ASSEMBLY | 1.000 | EACH |
| 791-08.01 | 1/2IN SERVICE ASSEMBLY | 30.000 | EACH |
| 791-08.04 | 1-1/4IN SERVICE ASSEMBLY | 17.000 | EACH |
| 791-08.05 | 2IN SERVICE ASSEMBLY | 1.000 | EACH |
| 791-09.04 | REGULATOR STATION | 1.000 | EACH |
| 793-01.41 | ANCHOR 1IN | 31.000 | EACH |
| 793-11.10 | 12IN PEDESTAL | 1.000 | EACH |
| 793-11.20 | HANDHOLE 30INX48IN | 10.000 | EACH |
| 793-13.07 | 4IN SCHEDULE 40 PVC | 3,160.000 | L.F. |
| 793-13.17 | 2 DUCT FORMATION @ 36IN DEPTH | 1,580.000 | L.F. |
| 793-14.02 | CONCRETE ENCASEMENT PER DUCT | 340.000 | L.F. |
| 793-14.12 | 1 1/4IN INNERDUCT | 1,580.000 | L.F. |
| 793-14.21 | ROD DUCTS | 1,580.000 | L.F. |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 793-14.26 | UNDERGROUND TO OVERHEAD RISER | 19.000 | EACH |
| 793-16.01 | MH(RETIRE/REMOVE/GRAVEL BACKFILL) | 8.000 | EACH |
| 793-98.04 | REMOVE POLES ALL SIZES | 18.000 | EACH |
| 793-98.05 | RETIRE BURIED FACILITIES IN PLACE | 14,926.000 | L.F. |
| 793-98.06 | REMOVE PEDESTALS | 9.000 | EACH |
| 793-98.07 | REMOVE UNDERGROUND TO OVERHEAD RISER | 7.000 | EACH |
| 793-98.08 | REMOVE ANCHOR (ANY SIZE) | 7.000 | EACH |
| 795-01.03 | 6IN DIP RESTRAINED JOINT WATER LINE | 2,725.000 | L.F. |
| 795-01.04 | 6IN DIP SLIP JOINT WATER LINE | 3,250.000 | L.F. |
| 795-01.05 | 8IN DIP RESTRAINED JOINT WATER LINE | 1,885.000 | L.F. |
| 795-01.06 | 8IN DIP SLIP JOINT WATER LINE | 4,175.000 | L.F. |
| 795-01.09 | 12IN DIP RESTRAINED JOINT WATER LINE | 800.000 | L.F. |
| 795-01.10 | 12IN DIP SLIP JOINT WATER LINE | 1,700.000 | L.F. |
| 795-03.02 | 2IN PVC WATER LINE | 300.000 | L.F. |
| 795-05.65 | BORE/JACK 16IN STEEL CASING PIPE-UNCON. | 1,050.000 | L.F. |
| 795-05.68 | BORE/JACK 24IN STEEL CASING PIPE-UNCON. | 250.000 | L.F. |
| 795-06.01 | CONNECT TO 2IN WATER LINE | 3.000 | EACH |
| 795-06.04 | CONNECT TO 6IN WATER LINE | 1.000 | EACH |
| 795-06.05 | CONNECT TO 8IN WATER LINE | 2.000 | EACH |
| 795-06.07 | CONNECT TO 12IN WATER LINE | 1.000 | EACH |
| 795-07.01 | 4IN X 4IN TAPPING SLEEVE AND VALVE | 2.000 | EACH |
| 795-07.03 | 6IN X 6IN TAPPING SLEEVE AND VALVE | 18.000 | EACH |
| 795-07.06 | 8IN X 8IN TAPPING SLEEVE AND VALVE | 2.000 | EACH |
| 795-07.15 | 12IN X 12IN TAPPING SLEEVE AND VALVE | 3.000 | EACH |
| 795-08.04 | 6IN GATE VALVE ASSEMBLY | 14.000 | EACH |
| 795-08.05 | 8IN GATE VALVE ASSEMBLY | 13.000 | EACH |
| 795-08.09 | 12IN GATE VALVE ASSEMBLY | 5.000 | EACH |
| 795-09.09 | RELOCATE/RECONNECT SERVICE ASSEMBLY | 64.000 | EACH |
| 795-09.60 | 3/4IN PEXa SERVICE PIPE | 700.000 | L.F. |
| 795-09.62 | 1IN PEX SERVICE PIPE | 200.000 | L.F. |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 795-11.01 | BLOW-OFF ASSEMBLY | 4.000 | EACH |
| 795-11.02 | FIRE HYDRANT ASSEMBLY | 17.000 | EACH |
| 795-11.04 | RELOCATE FIRE HYDRANT | 1.000 | EACH |
| 795-13.01 | DI FITTINGS | 26,000.000 | LB. |
| 795-13.03 | PVC FITTINGS | 40.000 | LB. |
| 795-15.07 | 24IN STEEL CASING PIPE OPEN CUT METHOD | 100.000 | L.F. |
| 795-15.25 | 16IN STEEL CASING PIPE OPEN CUT METHOD | 75.000 | L.F. |
| 797-05.01 | 8IN DIP GRAVITY SEWER 0FT-6FT DEPTH | 75.000 | L.F. |
| 797-05.02 | 8IN DIP GRAVITY SEWER 6FT-12FT DEPTH | 980.000 | L.F. |
| 797-05.03 | 8IN DIP GRAVITY SEWER 12FT-18FT DEPTH | 1,265.000 | L.F. |
| 797-05.51 | 8IN PVC GRAVITY SEWER 0FT-6FT DEPTH | 490.000 | L.F. |
| 797-05.52 | 8IN PVC GRAVITY SEWER 6FT-12FT DEPTH | 310.000 | L.F. |
| 797-06.90 | OPEN CUT 16IN STEEL CASING PIPE | 130.000 | L.F. |
| 797-07.01 | 48IN MANHOLE 0FT-4FT DEPTH | 1.000 | EACH |
| 797-07.02 | 48IN MANHOLE 4FT-6FT DEPTH | 4.000 | EACH |
| 797-07.03 | 48IN MANHOLE 6FT-8FT DEPTH | 3.000 | EACH |
| 797-07.04 | 48IN MANHOLE 8FT-10FT DEPTH | 1.000 | EACH |
| 797-07.05 | 48IN MANHOLE 10FT-12FT DEPTH | 3.000 | EACH |
| 797-07.06 | 48IN MANHOLE 12FT-14FT DEPTH | 3.000 | EACH |
| 797-07.08 | 48IN MANHOLE 16FT-20FT DEPTH | 3.000 | EACH |
| 797-07.09 | 48IN MANHOLE 20FT-24FT DEPTH | 1.000 | EACH |
| 797-07.56 | MANHOLE DROP CONNECTION ASSEMBLY | 2.000 | EACH |
| 797-07.80 | REMOVE SEWER MANHOLE | 6.000 | EACH |
| 797-08.02 | PVC FITTINGS | 175.000 | LB. |
| 797-08.04 | 4IN PVC PIPE FOR SERVICE LATERAL | 450.000 | L.F. |
| 797-10.02 | CONNECT 8IN SEWER TO EXIST. MANHOLE | 4.000 | EACH |
| 797-10.05 | CONNECT 4IN LATERAL TO SEWER LINE | 15.000 | EACH |
| 797-10.09 | CONNECT EX. 8IN SEWER TO NEW MANHOLE | 2.000 | EACH |
| 797-11.20 | 48IN MH ADJUSTMENT DECREASE HEIGHT | 2.000 | V.F. |
| 797-11.25 | RETIRED IN PLACE 48IN MANHOLE | 5.000 | EACH |

Contract ID CNV130 - BRADLEY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 797-11.35 | REMOVE EXISTING SEWER 8IN-14IN | 3,120.000 | L.F. |
| 797-11.38 | BY-PASS PUMPING | (1) | LS |
| 798-06.48 | FIBER STORAGE LOOP | 2.000 | EACH |
| 798-06.56 | FIBER OPTIC CABLE ENCLOSURE (INSTALLATION ONLY) | 2.000 | EACH |
| 798-08.02 | TRANSFER CABLE / FIBER | 6.000 | EACH |
| 798-13.03 | STRAND TANGENT ASSEMBLY | 3.000 | EACH |
| 798-13.07 | STRAND DOUBLE DEADEND ASSEMBLY | 3.000 | EACH |

() Item will be bid as lump sum.

Contract ID CNV284 - PUTNAM

Contract ID: CNV284

Letting Date: September 10, 2021 10:00 AM

Projects: 71012-3231-14

STP/NHFP-136(8)

Counties: PUTNAM

District:

DBE Goal Percent: 9.00

Description: The grading, drainage, construction of concrete box bridges and a retaining wall, signals and paving on S.R. 136 from north of the S.R. 111 interchange to south of the I-40 interchange.

Contract Time: DT - 9/30/2024

| Item No. | Description | Quantity | Units |
|-----------|---|------------|-------|
| 105-01 | CONSTRUCTION STAKES, LINES AND GRADES | (1) | LS |
| 109-10.01 | TRAINEE | 5,240.000 | HOUR |
| 201-01 | CLEARING AND GRUBBING | (1) | LS |
| 202-01 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | (1) | LS |
| 202-03 | REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC. | 1,080.000 | S.Y. |
| 202-03.01 | REMOVAL OF ASPHALT PAVEMENT | 8,187.000 | S.Y. |
| 202-04.01 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (65 LF 4'x4' CONC. BOX CULV., STA. 75+38.) | (1) | LS |
| 202-06.01 | REMOVAL OF BUILDINGS (TRACT NO.) (TRACT NO. 8) | (1) | LS |
| 202-06.02 | REMOVAL OF BUILDINGS (TRACT NO.) (TRACT NO. 17) | (1) | LS |
| 202-06.03 | REMOVAL OF BUILDINGS (TRACT NO.) (TRACT NO. 47) | (1) | LS |
| 202-06.04 | REMOVAL OF BUILDINGS (TRACT NO.) (TRACT NO. 52) | (1) | LS |
| 203-01 | ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) | 18,574.000 | C.Y. |
| 203-02.01 | BORROW EXCAVATION (GRADED SOLID ROCK) | 16,000.000 | TON |
| 203-03 | BORROW EXCAVATION (UNCLASSIFIED) | 20,842.000 | C.Y. |
| 203-05 | UNDERCUTTING | 820.000 | C.Y. |
| 203-06 | WATER | 5,058.000 | M.G. |
| 203-07 | FURNISHING & SPREADING TOPSOIL | 14,582.000 | C.Y. |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 203-08 | CHANNEL EXCAVATION (UNCLASSIFIED) | 2,350.000 | C.Y. |
| 203-20.01 | CHANNEL SUBSTRATE | 1,450.000 | C.Y. |
| 204-06.01 | FLOWABLE FILL (GENERAL) | 20.000 | C.Y. |
| 204-08 | FOUNDATION FILL MATERIAL | 549.000 | C.Y. |
| 204-08.01 | BACKFILL MATERIAL (FLOWABLE FILL) | 155.000 | C.Y. |
| 209-02.05 | 12" TEMPORARY SLOPE DRAIN | 57.000 | L.F. |
| 209-02.07 | 18" TEMPORARY SLOPE DRAIN | 280.000 | L.F. |
| 209-03.36 | STREAM MITIGATION-STEP POOL | 49.000 | EACH |
| 209-03.41 | STREAM MITIGATION - BOULDER RIFFLE | 220.000 | L.F. |
| 209-03.42 | STREAM MITIGATION - LIVE BRUSH LAYERING | 475.000 | L.F. |
| 209-03.47 | STREAM MITIGATION - LONGITUDINAL STONE TOE (DESCRIP) | 10.000 | C.Y. |
| 209-05 | SEDIMENT REMOVAL | 935.000 | C.Y. |
| 209-08.02 | TEMPORARY SILT FENCE (WITH BACKING) | 42,963.000 | L.F. |
| 209-08.07 | ROCK CHECK DAM | 151.000 | EACH |
| 209-08.08 | ENHANCED ROCK CHECK DAM | 31.000 | EACH |
| 209-08.09 | FILTER SOCK CHECK DAM | 40.000 | EACH |
| 209-09.01 | SANDBAGS | 500.000 | BAG |
| 209-09.04 | SEDIMENT FILTER BAG(15' X 10') | 2.000 | EACH |
| 209-09.22 | POLYACRYLAMIDE POWDER | 451.000 | LB. |
| 209-09.43 | CURB INLET PROTECTION (TYPE 4) | 130.000 | EACH |
| 209-10.01 | TEMPORARY DEWATERING STRUCTURE | 596.000 | C.Y. |
| 209-20.03 | POLYETHYLENE SHEETING (6 MIL. MINIMUM) | 1,250.000 | S.Y. |
| 209-40.30 | CATCH BASIN PROTECTION (TYPE A) | 7.000 | EACH |
| 209-40.33 | CATCH BASIN PROTECTION (TYPE D) | 48.000 | EACH |
| 209-40.41 | CATCH BASIN FILTER ASSEMBLY(TYPE 1) | 106.000 | EACH |
| 209-40.47 | CATCH BASIN FILTER ASSEMBLY(TYPE 7) | 9.000 | EACH |
| 209-40.48 | CATCH BASIN FILTER ASSEMBLY(TYPE 8) | 1.000 | EACH |
| 209-65.04 | TEMPORARY IN STREAM DIVERSION | 620.000 | L.F. |
| 303-01 | MINERAL AGGREGATE, TYPE A BASE, GRADING D | 73,299.000 | TON |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 303-01.01 | GRANULAR BACKFILL (ROADWAY) | 13,121.000 | TON |
| 303-10.01 | MINERAL AGGREGATE (SIZE 57) | 4,203.000 | TON |
| 307-01.01 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A | 109.000 | TON |
| 307-01.08 | ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 | 2,162.000 | TON |
| 307-01.21 | ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S | 11,857.000 | TON |
| 307-02.01 | ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A | 15,450.000 | TON |
| 307-02.08 | ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2 | 11,850.000 | TON |
| 313-03 | TREATED PERMEABLE BASE | 9,051.000 | S.Y. |
| 402-01 | BITUMINOUS MATERIAL FOR PRIME COAT (PC) | 154.000 | TON |
| 402-02 | AGGREGATE FOR COVER MATERIAL (PC) | 547.000 | TON |
| 403-01 | BITUMINOUS MATERIAL FOR TACK COAT (TC) | 87.000 | TON |
| 411-01.07 | ACS MIX (PG64-22) GRADING E SHOULDER | 450.000 | TON |
| 411-01.10 | ACS MIX(PG64-22) GRADING D | 2,411.000 | TON |
| 411-02.10 | ACS MIX(PG70-22) GRADING D | 6,219.000 | TON |
| 415-01.02 | COLD PLANING BITUMINOUS PAVEMENT | 5,574.000 | S.Y. |
| 501-01.03 | PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10" | 9,051.000 | S.Y. |
| 502-04.01 | SAWING CONCRETE PAVEMENT (FULL DEPTH) | 90.000 | L.F. |
| 604-07.01 | RETAINING WALL (DESCRIPTION) (PIGEON ROOST CREEK) | 1,202.000 | S.F. |
| 606-24.13 | TEMPORARY SHEET PILES | (1) | LS |
| 607-03.02 | 18" CONCRETE PIPE CULVERT (CLASS III) | 11,318.000 | L.F. |
| 607-03.05 | 18" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 520.000 | L.F. |
| 607-05.02 | 24" CONCRETE PIPE CULVERT (CLASS III) | 1,809.000 | L.F. |
| 607-05.05 | 24" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 315.000 | L.F. |
| 607-06.02 | 30" CONCRETE PIPE CULVERT (CLASS III) | 889.000 | L.F. |
| 607-06.05 | 30" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 64.000 | L.F. |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 607-07.02 | 36" CONCRETE PIPE CULVERT (CLASS III) | 150.000 | L.F. |
| 607-07.05 | 36" CONCRETE PIPE CULVERT(CLASS IV)JACKED- IN-PLACE | 66.000 | L.F. |
| 607-08.02 | 42" CONCRETE PIPE CULVERT (CLASS III) | 12.000 | L.F. |
| 607-37.02 | 18" CORRUGATED METAL PIPE CULVERT | 300.000 | L.F. |
| 607-37.03 | 24" CORRUGATED METAL PIPE CULVERT | 150.000 | L.F. |
| 607-39.02 | 18" PIPE CULVERT (SIDE DRAIN) | 371.000 | L.F. |
| 607-39.03 | 24" PIPE CULVERT (SIDE DRAIN) | 40.000 | L.F. |
| 607-39.04 | 30" PIPE CULVERT (SIDE DRAIN) | 92.000 | L.F. |
| 607-50.12 | PRECAST CONCRETE BOX CULVERT (SIZE) (SIZE) | 417.000 | L.F. |
| 611-01.02 | MANHOLES, > 4' - 8' DEPTH | 5.000 | EACH |
| 611-01.03 | MANHOLES, > 8' - 12' DEPTH | 3.000 | EACH |
| 611-01.20 | ADJUSTMENT OF EXISTING MANHOLE | 1.000 | EACH |
| 611-02.02 | SPRING DRAIN BOX, TYPE 2A | 1.000 | EACH |
| 611-07.01 | CLASS A CONCRETE (PIPE ENDWALLS) | 29.000 | C.Y. |
| 611-07.02 | STEEL BAR REINFORCEMENT (PIPE ENDWALLS) | 1,584.000 | LB. |
| 611-07.54 | 18IN ENDWALL (CROSS DRAIN) 3:1 | 10.000 | EACH |
| 611-07.55 | 18IN ENDWALL (CROSS DRAIN) 4:1 | 2.000 | EACH |
| 611-07.56 | 18IN ENDWALL (CROSS DRAIN) 6:1 | 1.000 | EACH |
| 611-07.57 | 24IN ENDWALL (CROSS DRAIN) 3:1 | 4.000 | EACH |
| 611-07.60 | 30IN ENDWALL (CROSS DRAIN) 3:1 | 4.000 | EACH |
| 611-07.63 | 36IN ENDWALL (CROSS DRAIN) 3:1 | 2.000 | EACH |
| 611-07.65 | 36IN ENDWALL (CROSS DRAIN) 6:1 | 2.000 | EACH |
| 611-09.04 | CATCHBASIN RETROFIT | 4.000 | EACH |
| 611-10.01 | CATCH BASINS, TYPE 10, 0' - 4' DEPTH | 2.000 | EACH |
| 611-12.01 | CATCH BASINS, TYPE 12, 0' - 4' DEPTH | 40.000 | EACH |
| 611-12.02 | CATCH BASINS, TYPE 12, > 4' - 8' DEPTH | 55.000 | EACH |
| 611-12.03 | CATCH BASINS, TYPE 12, > 8' - 12' DEPTH | 8.000 | EACH |
| 611-12.04 | CATCH BASINS, TYPE 12, > 12' - 16' DEPTH | 2.000 | EACH |
| 611-14.01 | CATCH BASINS, TYPE 14, 0' - 4' DEPTH | 1.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 611-14.02 | CATCH BASINS, TYPE 14, > 4' - 8' DEPTH | 8.000 | EACH |
| 611-16.02 | CATCH BASINS, TYPE 16, > 4' - 8' DEPTH | 1.000 | EACH |
| 611-42.01 | CATCH BASINS, TYPE 42, 0' - 4' DEPTH | 7.000 | EACH |
| 611-42.02 | CATCH BASINS, TYPE 42, > 4' - 8' DEPTH | 5.000 | EACH |
| 611-42.03 | CATCH BASINS, TYPE 42, > 8' - 12' DEPTH | 1.000 | EACH |
| 701-01.01 | CONCRETE SIDEWALK (4 ") | 97,175.000 | S.F. |
| 701-02 | CONCRETE DRIVEWAY | 888.000 | S.F. |
| 701-02.03 | CONCRETE CURB RAMP | 3,151.000 | S.F. |
| 702-01.02 | CONCRETE CURB | 250.000 | L.F. |
| 702-03 | CONCRETE COMBINED CURB & GUTTER | 1,628.000 | C.Y. |
| 705-06.01 | W BEAM GR (TYPE 2) MASH TL-3 | 2,262.000 | L.F. |
| 705-06.02 | W BEAM GR (TYPE 2) MASH TL-3 (LONG POST) | 1,147.000 | L.F. |
| 705-06.10 | GR TERMINALTRAILING END (TYPE 13) MASH TL-3 | 3.000 | EACH |
| 705-06.20 | TANGENT ENERGY ABSORBING TERM MASH TL-3 | 5.000 | EACH |
| 705-06.30 | GR TERMINAL (ENERGY ABSORBING) MASH TL-2 | 4.000 | EACH |
| 705-20.25 | TEMPORARY CRASH CUSHION (MASH TL-3) | 76.000 | EACH |
| 706-01 | GUARDRAIL REMOVED | 2,361.000 | L.F. |
| 707-03.01 | STOCK FENCE | 1,821.000 | L.F. |
| 707-03.02 | END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE) | 13.000 | EACH |
| 707-08.11 | HIGH-VISIBILITY CONSTRUCTION FENCE | 3,648.000 | L.F. |
| 708-02.01 | MARKERS (CONCRETE R.O.W. POSTS) | 64.000 | EACH |
| 709-05.06 | MACHINED RIP-RAP (CLASS A-1) | 2,958.000 | TON |
| 709-05.08 | MACHINED RIP-RAP (CLASS B) | 2,195.000 | TON |
| 709-05.09 | MACHINED RIP-RAP (CLASS C) | 1,610.000 | TON |
| 709-05.81 | ROCK RIFFLES | (1) | LS |
| 710-02 | AGGREGATE UNDERDRAINS (WITH PIPE) | 23,800.000 | L.F. |
| 710-05 | LATERAL UNDERDRAIN | 184.000 | L.F. |
| 710-06.15 | LATERAL UNDERDRAIN ENDWALL (6:1) | 4.000 | EACH |
| 712-01 | TRAFFIC CONTROL | (1) | LS |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 712-02.02 | INTERCONNECTED PORTABLE BARRIER RAIL | 13,605.000 | L.F. |
| 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | 350.000 | EACH |
| 712-04.50 | BARRIER RAIL DELINEATOR | 8.000 | EACH |
| 712-05.01 | WARNING LIGHTS (TYPE A) | 300.000 | EACH |
| 712-06 | SIGNS (CONSTRUCTION) | 3,060.000 | S.F. |
| 712-07.03 | TEMPORARY BARRICADES (TYPE III) | 10.000 | L.F. |
| 712-08.03 | ARROW BOARD (TYPE C) | 3.000 | EACH |
| 713-11.01 | "U" SECTION STEEL POSTS | 1,870.000 | LB. |
| 713-11.02 | PERFORATED/KNOCKOUT SQUARE TUBE POST | 1,070.000 | LB. |
| 713-11.21 | P POST SLIP BASE | 27.000 | EACH |
| 713-11.22 | U POST SLIP BASE | 46.000 | EACH |
| 713-13.02 | FLAT SHEET ALUMINUM SIGNS (0.080" THICK) | 494.000 | S.F. |
| 713-13.03 | FLAT SHEET ALUMINUM SIGNS (0.100" THICK) | 34.000 | S.F. |
| 713-15 | REMOVAL OF SIGNS, POSTS AND FOOTINGS | (1) | LS |
| 713-16.01 | CHANGEABLE MESSAGE SIGN UNIT | 3.000 | EACH |
| 713-16.20 | SIGNS (DESCRIPTION) (DESCRIPTION) | 111.000 | EACH |
| 714-08.09 | LIGHT STANDARDS (DESCRIPTION) (ALUMINUM, ROUND TAPERED, 35' M.H.) | 12.000 | EACH |
| 714-08.20 | FOUNDATION (ONLY) FOR LIGHT STANDARD | 12.000 | EACH |
| 714-09.09 | LUMINAIRES (DESCRIPTION) (T2) | 64.000 | EACH |
| 714-09.10 | LUMINAIRES (DESCRIPTION) (T4W) | 9.000 | EACH |
| 714-09.11 | LUMINAIRES (DESCRIPTION) (T4FT) | 3.000 | EACH |
| 714-10.01 | OVERHEAD CONDUCTORS (GAUGE & TYPE) (4AWG AL TRIPLEX) | 12,756.000 | L.F. |
| 714-25 | ELECTRICAL CONNECTION | 5.000 | EACH |
| 716-01.05 | TEMPORARY RAISED PAVEMENT MARKER | 300.000 | EACH |
| 716-01.21 | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR) | 343.000 | EACH |
| 716-01.22 | SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR) | 372.000 | EACH |
| 716-02.04 | PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING) | 2,354.000 | S.Y. |

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| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | 827.000 | L.F. |
| 716-02.06 | PLASTIC PAVEMENT MARKING (TURN LANE ARROW) | 58.000 | EACH |
| 716-02.08 | PLASTIC PAVEMENT MARKING (8" DOTTED LINE) | 1,065.000 | L.F. |
| 716-02.09 | PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK) | 810.000 | L.F. |
| 716-02.12 | PLASTIC PAVEMENT MARKING (8IN LINE) | 1.000 | L.M. |
| 716-03.01 | PLASTIC WORD PAVEMENT MARKING (ONLY) | 2.000 | EACH |
| 716-04.01 | PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW) | 3.000 | EACH |
| 716-04.12 | PLASTIC PAVEMENT MARKING (YIELD LINE) | 36.000 | S.F. |
| 716-05.01 | PAINTED PAVEMENT MARKING (4" LINE) | 10.000 | L.M. |
| 716-05.02 | PAINTED PAVEMENT MARKING (8" BARRIER LINE) | 12,000.000 | L.F. |
| 716-05.04 | PAINTED PAVEMENT MARKING (CHANNELIZATION STRIPING) | 25.000 | S.Y. |
| 716-05.05 | PAINTED PAVEMENT MARKING (STOP LINE) | 250.000 | L.F. |
| 716-05.06 | PAINTED PAVEMENT MARKING (TURN LANE ARROW) | 20.000 | EACH |
| 716-05.21 | PAINTED PAVEMENT MARKING(4"DOTTED LINE) | 325.000 | L.F. |
| 716-13.02 | SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE) | 14.000 | L.M. |
| 716-13.05 | SPRAY THERMO PVMT MRKNG (60 mil) (6IN DOTTED LINE) | 400.000 | L.F. |
| 717-01 | MOBILIZATION | (1) | LS |
| 730-01.02 | REMOVAL OF SIGNAL EQUIPMENT | 4.000 | EACH |
| 730-01.05 | REMOVE & RELOCATE SCHOOL SIGNAL EQUIPMENT | (1) | LS |
| 730-02.09 | SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) | 26.000 | EACH |
| 730-02.17 | SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) | 4.000 | EACH |
| 730-02.30 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (130 A3 WITH BACKPLATE) | 6.000 | EACH |
| 730-03.20 | INSTALL PULL BOX (TYPE A) | 5.000 | EACH |
| 730-03.21 | INSTALL PULL BOX (TYPE B) | 19.000 | EACH |
| 730-03.23 | INSTALL PULL BOX (FIBER OPTIC-TYPE A) | 4.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 730-05.01 | ELECTRICAL SERVICE CONNECTION | 1.000 | EACH |
| 730-08.01 | SIGNAL CABLE - 3 CONDUCTOR | 1,515.000 | L.F. |
| 730-08.02 | SIGNAL CABLE - 5 CONDUCTOR | 2,540.000 | L.F. |
| 730-08.03 | SIGNAL CABLE - 7 CONDUCTOR | 3,170.000 | L.F. |
| 730-08.40 | INTERCONNECT CABLE - FIBER OPTIC (DESCRIPTION) (24 FIBER MULTI-MODE) | 9,000.000 | L.F. |
| 730-11.01 | STEEL CONDUIT RISER ASSEMBLY | 4.000 | EACH |
| 730-12.01 | CONDUIT 1" DIAMETER (PVC) | 1,485.000 | L.F. |
| 730-12.02 | CONDUIT 2" DIAMETER (PVC) | 290.000 | L.F. |
| 730-12.13 | CONDUIT 2" DIAMETER (JACK AND BORE) | 1,840.000 | L.F. |
| 730-13.03 | VEHICLE DETECTOR (4 - CHANNEL, RACK MOUNT) | 6.000 | EACH |
| 730-13.06 | VEHICLE DETECTOR (OPTICALLY ACTIVATED PRIORITY CONTROL) | 4.000 | EACH |
| 730-14.01 | SHIELDED DETECTOR CABLE | 6,965.000 | L.F. |
| 730-14.02 | SAW SLOT | 2,760.000 | L.F. |
| 730-14.03 | LOOP WIRE | 2,900.000 | L.F. |
| 730-15.32 | CABINET (EIGHT PHASE BASE MOUNTED) | 4.000 | EACH |
| 730-15.41 | EIGHT PH ACTUATED CONTROLLER (FIBER) | 4.000 | EACH |
| 730-23.20 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 50') | 2.000 | EACH |
| 730-23.36 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 60') | 2.000 | EACH |
| 730-23.37 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 65') | 2.000 | EACH |
| 730-23.38 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 70') | 2.000 | EACH |
| 730-23.39 | CANTILEVER SIGNAL SUPPORT (DESCRIPTION) (1 ARM @ 75') | 1.000 | EACH |
| 730-23.80 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 40') | 1.000 | EACH |
| 730-23.88 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 45') | 5.000 | EACH |
| 730-26.11 | COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN | 12.000 | EACH |
| 730-40 | TEMPORARY TRAFFIC SIGNAL SYSTEM | 4.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 740-10.03 | GEOTEXTILE (TYPE III)(EROSION CONTROL) | 12,973.000 | S.Y. |
| 740-10.04 | GEOTEXTILE (TYPE IV)(STABILIZATION) | 9,258.000 | S.Y. |
| 740-11.01 | TEMPORARY SEDIMENT TUBE 8IN | 41,485.000 | L.F. |
| 740-11.02 | TEMPORARY SEDIMENT TUBE 12IN | 8,600.000 | L.F. |
| 801-01.08 | SEEDING (SPECIAL MIXTURE) WITH MULCH | 450.000 | UNIT |
| 801-01.65 | TEMPORARY MULCH | 1,900.000 | UNIT |
| 801-02 | SEEDING (WITHOUT MULCH) | 508.000 | UNIT |
| 801-03 | WATER (SEEDING & SODDING) | 634.000 | M.G. |
| 802-02.30 | CUTTINGS: SALIX NIGRA (18IN-24IN LENGTH) | 335.000 | EACH |
| 802-02.31 | CUTTINGS: SALIX SERICEA (18IN-24IN) | 335.000 | EACH |
| 802-02.32 | CUTTINGS: CORNUS AMOMUM (18IN-24IN) | 335.000 | EACH |
| 802-02.33 | CUTTINGS: SAMBUCUS CANADENSIS (18IN-24IN) | 335.000 | EACH |
| 802-12.07 | BETULA NIGRA (RIVER BIRCH SEEDLNG B.R.) | 239.000 | EACH |
| 802-12.11 | CERCIS CANADENSIS (REDBUD SEEDLNG B.R.) | 48.000 | EACH |
| 802-12.19 | LIRIODENDRON TULIPIFERA (TULIP POPLAR SEEDLNG B.R.) | 72.000 | EACH |
| 802-12.21 | NYSSA SYLVATICA (BLCKGUM SEEDLNG B.R.) | 72.000 | EACH |
| 802-12.22 | OSTRYA VIRGINIANA (IRONWOOD SEEDLNG B.R.) | 48.000 | EACH |
| 802-12.26 | PLATANUS OCCIDENTALIS (SYCAMORE SEEDLNG B.R.) | 239.000 | EACH |
| 802-12.33 | QUERCUS MICHAUXII (SWMP CHSTNT OAK SEEDLNG B.R.) | 239.000 | EACH |
| 802-12.38 | QUERCUS PHELLOS (WILLOW OAK SEEDLNG B.R.) | 239.000 | EACH |
| 802-12.51 | CORNUS AMOMUM (SILKY DOGWOOD SEEDLING B.R.) | 398.000 | EACH |
| 802-13.59 | LINDERA BENZOIN (SPICEBUSH SDLNG BARE ROOT) | 398.000 | EACH |
| 802-13.62 | ILEX VERTICILLATA (CMMN WINTERBERRY SDLNG B.R.) | 398.000 | EACH |
| 803-01 | SODDING (NEW SOD) | 74,000.000 | S.Y. |
| 805-12.02 | EROSION CONTROL BLANKET (TYPE II) | 29,000.000 | S.Y. |
| 805-12.08 | 700 GRAM COIR FIBER EROSION BLANKET | 2,100.000 | S.Y. |
| 806-02.03 | PROJECT MOWING | 8.000 | CYCL |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 202-04.50 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (103 LF 3 X 10'X10' CONC. BOX BRIDGE, STA. 26+00.) | (1) | LS |
| 202-04.51 | REMOVAL OF STRUCTURES (DESCRIPTION, STA.) (100 LF 3 X 5'X5' CONC. BOX CULV., STA. 26+67.) | (1) | LS |
| 604-02.01 | CLASS A CONCRETE (BOX BRIDGES) | 1,271.000 | C.Y. |
| 604-02.02 | STEEL BAR REINFORCEMENT (BOX BRIDGES) | 301,735.000 | LB. |
| 790-01.04 | POLE 30FT CLASS 5 WOOD | 4.000 | EACH |
| 790-02.04 | POLE 35FT CLASS 5 WOOD | 3.000 | EACH |
| 790-03.03 | POLE 40FT CLASS 4 WOOD | 8.000 | EACH |
| 790-03.31 | POLE 40FT CLASS 3 METAL | 1.000 | EACH |
| 790-04.03 | POLE 45FT CLASS 3 WOOD | 5.000 | EACH |
| 790-05.01 | POLE 50FT CLASS 1 WOOD | 1.000 | EACH |
| 790-05.02 | POLE 50FT CLASS 2 WOOD | 3.000 | EACH |
| 790-05.05 | POLE 50FT CLASS 1 METAL | 7.000 | EACH |
| 790-05.07 | POLE 50FT CLASS H1 METAL | 1.000 | EACH |
| 790-06.02 | POLE 55FT CLASS 2 WOOD | 1.000 | EACH |
| 790-06.05 | POLE 55 FT CLASS 1 METAL | 34.000 | EACH |
| 790-06.07 | POLE 55FT CLASS H1 METAL | 14.000 | EACH |
| 790-07.01 | POLE 60FT CLASS 1 WOOD | 1.000 | EACH |
| 790-07.05 | POLE 60FT CLASS 1 METAL | 3.000 | EACH |
| 790-07.07 | POLE 60FT CLASS H1 METAL | 5.000 | EACH |
| 790-08.14 | POLE 65FT CLASS H1 METAL | 1.000 | EACH |
| 790-08.32 | POLE 65FT CLASS 1 METAL | 1.000 | EACH |
| 790-09.05 | POLE 70FT CLASS H2 METAL | 1.000 | EACH |
| 790-21.01 | 1PH SGL PRIMARY SUPPORT 15KV | 2.000 | EACH |
| 790-21.05 | 1PH DBL PRIMARY SUPPORT 15KV | 1.000 | EACH |
| 790-21.07 | 1PH PRIMARY LG ANGLE 15KV | 2.000 | EACH |
| 790-21.08 | 1PH DEADEND 15KV | 2.000 | EACH |
| 790-21.09 | 1PH PRIMARY TAP 15KV | 15.000 | EACH |
| 790-21.10 | 1PH VERTICAL DDE 15KV | 1.000 | EACH |
| 790-23.08 | 2PH CROSSARM CONST DEADEND (DBL) 15KV | 1.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 790-25.01 | 3PH CROSSARM SGL 15KV | 32.000 | EACH |
| 790-25.21 | 3PH CROSSARM DEADEND SGL 15KV | 2.000 | EACH |
| 790-25.37 | 3PH 8FT FIBERGLASS CROSSARM DEADEND 15kV | 26.000 | EACH |
| 790-25.39 | 3PH 8FT FIBERGLASS DOUBLE DEADEND 15kV | 15.000 | EACH |
| 790-25.41 | 3PH FIBERGLASS 8FT CROSSARM DOUBLE SUPPORT | 10.000 | EACH |
| 790-25.42 | 3PH CROSSARM DOUBLE SMALL ANGLE 15kV | 2.000 | EACH |
| 790-25.43 | 3PH FIBERGLASS DOUBLE 10FT LARGE CONDUCTOR 15kV | 3.000 | EACH |
| 790-25.44 | 3PH FIBERGLASS DOUBLE DEADEND 15kV | 2.000 | EACH |
| 790-25.46 | 3PH FIBERGLASS WITH NEUTRAL ON ARM | 2.000 | EACH |
| 790-25.62 | 3PH FIBERGLASS DEADEND TRIPLE ARM 15kV | 9.000 | EACH |
| 790-30.06 | SECONDARY CONDUCTOR 6 AL DUPLEX | 800.000 | L.F. |
| 790-30.12 | SECONDARY CONDUCTOR 4 AL TRIPLEX | 120.000 | L.F. |
| 790-30.13 | SECONDARY CONDUCTOR 2 AL TRIPLEX | 120.000 | L.F. |
| 790-30.14 | SECONDARY CONDUCTOR 1/0 AL TRIPLEX | 100.000 | L.F. |
| 790-30.22 | SECONDARY CONDUCTOR 1/0 AL QPLEX | 180.000 | L.F. |
| 790-31.02 | SERVICE ASSEMBLY-POLE TYPE | 51.000 | EACH |
| 790-32.01 | DOWN GUY - THROUGH BOLT TYPE | 44.000 | EACH |
| 790-32.04 | DOWN GUY - WRAP TYPE | 68.000 | EACH |
| 790-32.07 | OH GUY - THROUGH BOLT TYPE | 11.000 | EACH |
| 790-32.23 | GUY GUARD | 55.000 | EACH |
| 790-33.25 | SCREW TYPE ANCHOR 15,000LB | 3.000 | EACH |
| 790-33.26 | SCREW TYPE ANCHOR 28,000LB | 37.000 | EACH |
| 790-33.27 | SCREW TYPE ANCHOR 32,000LB | 18.000 | EACH |
| 790-36.01 | SWITCH-900A-UNDERSLUNG | 3.000 | EACH |
| 790-36.04 | TRANSFER SERVICE | 20.000 | EACH |
| 790-36.06 | TRANSFER LIGHT | 11.000 | EACH |
| 790-36.14 | TRANSFER CONDUCTOR | 50.000 | EACH |
| 790-40.42 | OH COND 336.4 19 AAC TULIP | 5,200.000 | L.F. |
| 790-40.49 | OH COND 795 37 AAC ARBUTUS | 45,000.000 | L.F. |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 790-40.81 | OVERHEAD CONDUCTOR 2 7 AAAC AMES | 12,000.000 | L.F. |
| 790-41.03 | UG PRI COND 1/0 AL 15KV | 1,000.000 | L.F. |
| 790-42.09 | 3IN DIA PVC PIPE | 1,184.000 | L.F. |
| 790-42.19 | 4 DUCT BANK @ 36IN-48IN DEPTH | 296.000 | L.F. |
| 790-43.01 | LOADBREAK ELBOW 200A 15KV | 6.000 | EACH |
| 790-43.06 | LOADBREAK JUNCTION 4 PT 200A 15KV | 3.000 | EACH |
| 790-43.50 | SECONDARY RISER W/ 2IN CONDUIT | 6.000 | EACH |
| 790-43.57 | 3PH PRIMARY RISER W/ 3IN CONDUIT | 8.000 | EACH |
| 790-46.01 | 1PH TRANSFORMER | 26.000 | EACH |
| 790-49.02 | 3PH XFMR BNK POLE MTD W/ FUSE/ARRESTERS | 7.000 | EACH |
| 790-58.04 | HOOK STICK SWITH LINE TENSION, SNGL 15KV | 9.000 | EACH |
| 790-60.01 | 1PH FUSE CUTOFF XARM MOUNT 15KV | 24.000 | EACH |
| 790-60.14 | 3PH SECTIONALIZING CABINET 15KV | 1.000 | EACH |
| 790-65.04 | LIGHTNING ARRESTER POLE MTD 9 KV | 16.000 | EACH |
| 790-65.16 | 3PH CAPACITOR ASSEMBLY SWITCHED 15KV | 1.000 | EACH |
| 790-69.11 | GROUND-GROUND ROD FOR ST POLE | 76.000 | EACH |
| 790-69.12 | GROUND ASSEMBLY GROUND PLATE TYPE | 18.000 | EACH |
| 790-69.27 | EXTENSION LINK - EPOXY -4FT | 7.000 | EACH |
| 790-69.30 | POLE TOP PIN FOR ST POLE | 8.000 | EACH |
| 790-69.32 | ARM PIN | 68.000 | EACH |
| 790-98.01 | REMOVE WIRE | 80,400.000 | L.F. |
| 790-98.02 | REMOVE POLES | 108.000 | EACH |
| 790-98.03 | REMOVE FRAMING/ASSOCIATED APPARATUS | 646.000 | EACH |
| 791-01.02 | 2IN STEEL GAS MAIN | 5,010.000 | L.F. |
| 791-01.04 | 4IN STEEL GAS MAIN | 9,300.000 | L.F. |
| 791-01.06 | 8IN STEEL GAS MAIN | 1,680.000 | L.F. |
| 791-04.20 | HDD 2IN STEEL PIPE - UNCONSOLIDATED | 375.000 | L.F. |
| 791-04.22 | HDD 4IN STEEL PIPE - UNCONSOLIDATED | 345.000 | L.F. |
| 791-04.24 | HDD 8IN STEEL PIPE - UNCONSOLIDATED | 220.000 | L.F. |
| 791-04.29 | HDD 2IN STEEL PIPE - ROCK | 500.000 | L.F. |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 791-04.31 | HDD 4IN STEEL PIPE - ROCK | 500.000 | L.F. |
| 791-04.33 | HDD 8IN STEEL PIPE - ROCK | 400.000 | L.F. |
| 791-06.09 | CONNECT TO __IN EX. PE MAIN (1) | 2.000 | EACH |
| 791-06.10 | CONNECT TO 2IN EX. STL MAIN | 1.000 | EACH |
| 791-06.17 | CONNECT TO __IN EX. STL MAIN (1) | 4.000 | EACH |
| 791-06.31 | CONNECT TO 2IN EX. STL MAIN W/ STOPPLE | 16.000 | EACH |
| 791-06.32 | CONNECT TO 4IN EX. STL MAIN W/ STOPPLE | 3.000 | EACH |
| 791-06.34 | CONNECT TO 8IN EX. STL MAIN W/ STOPPLE | 2.000 | EACH |
| 791-06.47 | CONNECT TO 3/4IN EX. PE MAIN | 12.000 | EACH |
| 791-06.48 | CONNECT TO 3/4IN EX. STEEL MAIN | 29.000 | EACH |
| 791-07.09 | 2IN STEEL GAS VALVE ASSEMBLY | 12.000 | EACH |
| 791-07.10 | 4IN STEEL GAS VALVE ASSEMBLY | 5.000 | EACH |
| 791-07.16 | (_)IN STEEL GAS VALVE ASSEMBLY (1) | 4.000 | EACH |
| 791-07.21 | EXCESS FLOW VALVE (EFV) | 28.000 | EACH |
| 791-07.25 | 1IN PE GAS VALVE ASSEMBLY | 4.000 | EACH |
| 791-08.02 | 3/4IN SERVICE ASSEMBLY | 23.000 | EACH |
| 791-08.03 | 1IN SERVICE ASSEMBLY | 2.000 | EACH |
| 791-08.07 | 3/4IN PE SERVICE PIPE | 315.000 | L.F. |
| 791-08.08 | 1IN PE SERVICE PIPE | 145.000 | L.F. |
| 791-08.12 | 3/4IN STEEL SERVICE PIPE | 315.000 | L.F. |
| 791-08.13 | 1IN STEEL SERVICE PIPE | 90.000 | L.F. |
| 791-08.18 | HDD 1IN PE SERVICE PIPE | 80.000 | L.F. |
| 791-08.22 | HDD 3/4IN STEEL SERVICE PIPE | 260.000 | L.F. |
| 791-08.23 | HDD 1IN STEEL SERVICE PIPE | 590.000 | L.F. |
| 791-08.41 | GAS MAIN REMOVAL | 5,565.000 | L.F. |
| 791-09.05 | RESTORE ASPHALT | 200.000 | S.Y. |
| 791-09.06 | RESTORE CONCRETE | 200.000 | S.Y. |
| 791-09.07 | RESTORE GRAVEL | 200.000 | S.Y. |
| 791-09.09 | REGULATOR STATION TIE-IN ONLY | 1.000 | EACH |
| 791-10.01 | RETIRE IN PLACE 3/4IN SERV CUT & PLUG | 41.000 | EACH |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 791-10.02 | RETIRE IN PLACE 1IN SERV CUT & PLUG | 6.000 | EACH |
| 791-10.04 | RETIRE IN PLACE 2IN SERV CUT & PLUG | 9.000 | EACH |
| 791-10.05 | RETIRE IN PLACE 4IN SERV CUT & PLUG | 7.000 | EACH |
| 791-10.10 | RETIRE GAS MAIN | (1) | LS |
| 793-01.40 | ANCHOR 3/4IN | 20.000 | EACH |
| 793-02.08 | GUY WIRE 10M OR 3/8IN | 21.000 | EACH |
| 793-02.92 | OVERHEAD GUY WIRE (DESCRIPTION) (3/8IN) | 3.000 | EACH |
| 793-02.99 | INSTALL GUY GUARD | 20.000 | EACH |
| 793-03.03 | 10M STRAND | 12,706.000 | L.F. |
| 793-03.40 | INSTALL STRAND BOND | 57.000 | EACH |
| 793-04.01 | RELASH/DELASH CABLE | 1,150.000 | L.F. |
| 793-04.07 | AERIAL SPLICE CLOSURE | 25.000 | EACH |
| 793-07.01 | 12 FIBER (MATERIAL ONLY) | 3,254.000 | L.F. |
| 793-07.04 | 48 FIBER(MATERIAL ONLY) | 10,988.000 | L.F. |
| 793-07.05 | 96 FIBER(MATERIAL ONLY) | 4,876.000 | L.F. |
| 793-07.16 | 12-96 FIBER(INSTALLATION ONLY) | 24,220.000 | L.F. |
| 793-07.25 | SINGLE FIBER OPTIC CABLE SPLICE | 252.000 | EACH |
| 793-07.31 | SINGLE FIBER AERIAL DROP | 530.000 | L.F. |
| 793-07.41 | HOT SPLICE EXISTING FIBER CABLES | 594.000 | EACH |
| 793-07.51 | 72 FIBER (MATERIAL ONLY) | 5,622.000 | L.F. |
| 793-07.91 | REARRANGE EXISTING FIBER STORAGE BRACKET | 1.000 | EACH |
| 793-10.02 | BURIED CABLE @ 36IN DEPTH | 520.000 | L.F. |
| 793-10.08 | BURIED CABLE @ ___IN DEPTH | 650.000 | L.F. |
| 793-10.20 | EXPOSE EXISTING CABLE/CONDUIT (ALL DEPTHS) | 10.000 | L.F. |
| 793-11.13 | BURIED RISER GUARD | 7.000 | EACH |
| 793-11.50 | REARRANGE EXISTING SPLICE CASE | 1.000 | EACH |
| 793-15.01 | TRANSFER CABLE ATTACHMENT | 6.000 | EACH |
| 793-15.02 | TRANSFER DROP ATTACHMENT | 9.000 | EACH |
| 793-15.03 | TRANSFER OH GUY ATTACHMENT | 1.000 | EACH |
| 793-98.01 | REMOVE AERIAL CABLE AND WIRE | 12,112.000 | L.F. |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 793-98.04 | REMOVE POLES ALL SIZES | 6.000 | EACH |
| 793-98.08 | REMOVE ANCHOR (ANY SIZE) | 18.000 | EACH |
| 793-98.09 | REMOVE DOWN GUY | 20.000 | EACH |
| 795-01.01 | 4IN DIP RESTRAINED JOINT WATER LINE | 130.000 | L.F. |
| 795-01.03 | 6IN DIP RESTRAINED JOINT WATER LINE | 860.000 | L.F. |
| 795-01.04 | 6IN DIP SLIP JOINT WATER LINE | 4,340.000 | L.F. |
| 795-01.05 | 8IN DIP RESTRAINED JOINT WATER LINE | 100.000 | L.F. |
| 795-01.06 | 8IN DIP SLIP JOINT WATER LINE | 1,025.000 | L.F. |
| 795-01.07 | 10IN DIP RESTRAINED JOINT WATER LINE | 820.000 | L.F. |
| 795-01.08 | 10IN DIP SLIP JOINT WATER LINE | 10,770.000 | L.F. |
| 795-01.19 | 24IN DIP RESTRAINED JOINT WATER LINE | 110.000 | L.F. |
| 795-01.20 | 24IN DIP SLIP JOINT WATER LINE | 925.000 | L.F. |
| 795-02.34 | 8IN HDPE WATER LINE (HDD) | 235.000 | L.F. |
| 795-03.02 | 2IN PVC WATER LINE | 410.000 | L.F. |
| 795-05.14 | HDD __IN HDPE CASING PIPE-UNCON (2) | 1,680.000 | L.F. |
| 795-05.63 | BORE/JACK 12IN STEEL CASING PIPE-UNCON. | 690.000 | L.F. |
| 795-05.66 | BORE/JACK 18IN STEEL CASING PIPE-UNCON. | 765.000 | L.F. |
| 795-05.70 | BORE/JACK 36IN STEEL CASING PIPE-UNCON. | 80.000 | L.F. |
| 795-06.01 | CONNECT TO 2IN WATER LINE | 6.000 | EACH |
| 795-06.02 | CONNECT TO 3IN WATER LINE | 3.000 | EACH |
| 795-06.03 | CONNECT TO 4IN WATER LINE | 3.000 | EACH |
| 795-06.04 | CONNECT TO 6IN WATER LINE | 16.000 | EACH |
| 795-06.05 | CONNECT TO 8IN WATER LINE | 6.000 | EACH |
| 795-06.06 | CONNECT TO 10IN WATER LINE | 3.000 | EACH |
| 795-06.12 | CONNECT TO 24IN WATER LINE | 2.000 | EACH |
| 795-07.10 | 10IN X 10IN TAPPING SLEEVE AND VALVE | 1.000 | EACH |
| 795-08.01 | 2IN GATE VALVE ASSEMBLY | 4.000 | EACH |
| 795-08.03 | 4IN GATE VALVE ASSEMBLY | 6.000 | EACH |
| 795-08.04 | 6IN GATE VALVE ASSEMBLY | 30.000 | EACH |
| 795-08.05 | 8IN GATE VALVE ASSEMBLY | 10.000 | EACH |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|--|-----------------|--------------|
| 795-08.06 | 10IN GATE VALVE ASSEMBLY | 20.000 | EACH |
| 795-08.19 | 24IN BUTTERFLY VALVE ASSEMBLY | 2.000 | EACH |
| 795-08.31 | WATER VALVE EXTENSION ROD | 40.000 | L.F. |
| 795-09.01 | 3/4IN WATER SERVICE METER ASSEMBLY | 44.000 | EACH |
| 795-09.02 | 1IN WATER SERVICE METER ASSEMBLY | 17.000 | EACH |
| 795-09.04 | 2IN WATER SERVICE METER ASSEMBLY | 7.000 | EACH |
| 795-09.09 | RELOCATE/RECONNECT SERVICE ASSEMBLY | 1.000 | EACH |
| 795-09.22 | 2IN PVC SERVICE PIPE | 150.000 | L.F. |
| 795-09.51 | RECONNECT SERVICE ASSEMBLY | 82.000 | EACH |
| 795-09.62 | 1IN PEX SERVICE PIPE | 2,520.000 | L.F. |
| 795-10.03 | 1IN AUTO AIR RELEASE VALVE ASSEMBLY | 2.000 | EACH |
| 795-10.09 | 4IN AUTO AIR RELEASE VALVE ASSEMBLY | 1.000 | EACH |
| 795-10.31 | 2IN BLOW-OFF ASSEMBLY | 2.000 | EACH |
| 795-11.02 | FIRE HYDRANT ASSEMBLY | 19.000 | EACH |
| 795-11.12 | RETIRE IN PLACE EXISTING WATER MAIN | 5,485.000 | L.F. |
| 795-12.01 | REMOVE FIRE HYDRANT | 12.000 | EACH |
| 795-12.02 | REMOVAL OF EXISTING LINE | (1) | LS |
| 795-13.01 | DI FITTINGS | 86,000.000 | LB. |
| 795-13.05 | CREEK CROSSING (DESCRIPTION) (# 1) | (1) | LS |
| 795-14.01 | CLASS A CONCRETE | 25.000 | C.Y. |
| 795-14.05 | CONCRETE ENCASEMENT | 30.000 | L.F. |
| 795-14.08 | RESTORE ASPHALT | 200.000 | S.Y. |
| 795-14.09 | RESTORE CONCRETE | 100.000 | S.Y. |
| 795-14.10 | RESTORE GRAVEL | 400.000 | S.Y. |
| 795-15.02 | 12IN STEEL CASING PIPE OPEN CUT METHOD | 160.000 | L.F. |
| 795-15.04 | 18IN STEEL CASING PIPE OPEN CUT METHOD | 215.000 | L.F. |
| 795-15.11 | 36IN STEEL CASING PIPE OPEN CUT METHOD | 20.000 | L.F. |
| 795-21.01 | RETIRE WATER METER ASSEMBLIES | (1) | LS |
| 795-70.01 | POLYETHYLENE PIPE PROTECT - 8" | 200.000 | L.F. |
| 795-70.02 | POLYETHYLENE PIPE PROTECT - 12" | 4,450.000 | L.F. |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 797-01.18 | 16IN EPOXY COATED DIP FORCE MAIN | 480.000 | L.F. |
| 797-03.08 | 6IN PVC FORCE MAIN | 710.000 | L.F. |
| 797-05.01 | 8IN DIP GRAVITY SEWER 0FT-6FT DEPTH | 60.000 | L.F. |
| 797-05.02 | 8IN DIP GRAVITY SEWER 6FT-12FT DEPTH | 250.000 | L.F. |
| 797-05.03 | 8IN DIP GRAVITY SEWER 12FT-18FT DEPTH | 40.000 | L.F. |
| 797-05.51 | 8IN PVC GRAVITY SEWER 0FT-6FT DEPTH | 760.000 | L.F. |
| 797-05.52 | 8IN PVC GRAVITY SEWER 6FT-12FT DEPTH | 4,630.000 | L.F. |
| 797-05.53 | 8IN PVC GRAVITY SEWER 12FT-18FT DEPTH | 1,480.000 | L.F. |
| 797-06.62 | BORE/JACK 12IN STEEL CASING PIPE-UNCON. | 120.000 | L.F. |
| 797-06.65 | BORE/JACK 18IN STEEL CASING PIPE-UNCON. | 378.000 | L.F. |
| 797-06.67 | BORE/JACK 24IN STEEL CASING PIPE-UNCON. | 110.000 | L.F. |
| 797-06.91 | OPEN CUT 18IN STEEL CASING PIPE | 216.000 | L.F. |
| 797-06.93 | OPEN CUT 24IN STEEL CASING PIPE | 135.000 | L.F. |
| 797-07.02 | 48IN MANHOLE 4FT-6FT DEPTH | 3.000 | EACH |
| 797-07.03 | 48IN MANHOLE 6FT-8FT DEPTH | 7.000 | EACH |
| 797-07.04 | 48IN MANHOLE 8FT-10FT DEPTH | 12.000 | EACH |
| 797-07.05 | 48IN MANHOLE 10FT-12FT DEPTH | 12.000 | EACH |
| 797-07.06 | 48IN MANHOLE 12FT-14FT DEPTH | 8.000 | EACH |
| 797-07.07 | 48IN MANHOLE 14FT-16FT DEPTH | 2.000 | EACH |
| 797-07.08 | 48IN MANHOLE 16FT-20FT DEPTH | 5.000 | EACH |
| 797-07.18 | 60IN MANHOLE 14FT-16FT DEPTH | 1.000 | EACH |
| 797-07.56 | MANHOLE DROP CONNECTION ASSEMBLY | 1.000 | EACH |
| 797-07.80 | REMOVE SEWER MANHOLE | 4.000 | EACH |
| 797-08.01 | DI FITTINGS | 5,300.000 | LB. |
| 797-08.02 | PVC FITTINGS | 600.000 | LB. |
| 797-08.04 | 4IN PVC PIPE FOR SERVICE LATERAL | 200.000 | L.F. |
| 797-08.05 | 6IN PVC PIPE FOR SERVICE LATERAL | 570.000 | L.F. |
| 797-08.08 | 6IN CLEAN OUT ASSEMBLY | 38.000 | EACH |
| 797-08.62 | 6IN GATE VALVE ASSEMBLY | 2.000 | EACH |
| 797-08.67 | 16IN GATE VALVE ASSEMBLY | 2.000 | EACH |

Contract ID CNV284 - PUTNAM

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 797-10.02 | CONNECT 8IN SEWER TO EXIST. MANHOLE | 5.000 | EACH |
| 797-10.06 | CONNECT 6IN LATERAL TO SEWER LINE | 40.000 | EACH |
| 797-10.09 | CONNECT EX. 8IN SEWER TO NEW MANHOLE | 14.000 | EACH |
| 797-10.10 | CONNECT EX.10-18IN SEWER TO NEW MANHOLE | 3.000 | EACH |
| 797-10.17 | CONNECT TO 6IN FORCE MAIN | 2.000 | EACH |
| 797-10.21 | CONNECT TO 16IN FORCE MAIN | 2.000 | EACH |
| 797-11.15 | 48IN MH ADJUSTMENT INCREASE HEIGHT | 34.000 | V.F. |
| 797-11.20 | 48IN MH ADJUSTMENT DECREASE HEIGHT | 12.000 | V.F. |
| 797-11.25 | RETIREIN PLACE 48IN MANHOLE | 32.000 | EACH |
| 797-11.30 | RETIREIN PLACE EXISTING SEWER <8IN | 600.000 | L.F. |
| 797-11.31 | RETIREIN PLACE EXISTING SEWER 8IN-14IN | 5,390.000 | L.F. |
| 797-11.32 | RETIREIN PLACE EXISTING SEWER 15IN-24IN | 100.000 | L.F. |
| 797-11.34 | REMOVE EXISTING SEWER <8IN | 920.000 | L.F. |
| 797-11.35 | REMOVE EXISTING SEWER 8IN-14IN | 1,505.000 | L.F. |
| 797-11.36 | REMOVE EXISTING SEWER 15IN-24IN | 370.000 | L.F. |
| 797-11.38 | BY-PASS PUMPING | (1) | LS |
| 797-11.40 | RESTORE ASPHALT | 100.000 | S.Y. |
| 797-11.41 | RESTORE CONCRETE | 100.000 | S.Y. |
| 797-11.42 | RESTORE GRAVEL | 200.000 | S.Y. |
| 797-40.01 | CONCRETE ENCASEMENT | 120.000 | L.F. |
| 604-01.01 | CLASS A CONCRETE (ROADWAY) | 301.000 | C.Y. |
| 604-01.02 | STEEL BAR REINFORCEMENT (ROADWAY) | 69,389.000 | LB. |

() Item will be bid as lump sum.

Contract ID CNV260 - SHELBY

Contract ID: CNV260

Letting Date: September 10, 2021 10:00 AM

Projects: 79961-3529-94

HSIP-2875(4)

Counties: SHELBY

District:

DBE Goal Percent: 5.00

Description: The miscellaneous safety improvements and installation of signals on Sycamore View Road from near Shelby Oaks Drive to U.S. 70 (S.R. 1, Summer Avenue) in Memphis.

Contract Time: CD - 60

| Item No. | Description | Quantity | Units |
|-----------|---|----------|-------|
| 202-03 | REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC. | 45.000 | S.Y. |
| 209-05 | SEDIMENT REMOVAL | 1.000 | C.Y. |
| 209-09.43 | CURB INLET PROTECTION (TYPE 4) | 4.000 | EACH |
| 407-20.05 | SAW CUTTING ASPHALT PAVEMENT | 235.000 | L.F. |
| 604-04.20 | PAINTING CONCRETE SURFACES | 185.000 | S.F. |
| 701-01.01 | CONCRETE SIDEWALK (4 ") | 400.000 | S.F. |
| 701-02.01 | CONCRETE CURB RAMP (RETROFIT) | 700.000 | S.F. |
| 705-02.02 | SINGLE GUARDRAIL (TYPE 2) | 10.000 | L.F. |
| 705-04.09 | EARTH PAD FOR TYPE 38 GR END TREATMENT | 1.000 | EACH |
| 705-04.21 | GUARDRAIL DELINEATION ENHANCEMENT | 120.000 | L.F. |
| 705-06.20 | TANGENT ENERGY ABSORBING TERM MASH TL-3 | 1.000 | EACH |
| 706-01 | GUARDRAIL REMOVED | 60.000 | L.F. |
| 712-01 | TRAFFIC CONTROL | (1) | LS |
| 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | 25.000 | EACH |
| 712-06 | SIGNS (CONSTRUCTION) | 395.000 | S.F. |
| 712-07.03 | TEMPORARY BARRICADES (TYPE III) | 72.000 | L.F. |
| 713-02.21 | SIGN POST DELINEATION ENHANCEMENT | 35.000 | L.F. |
| 713-11.02 | PERFORATED/KNOCKOUT SQUARE TUBE POST | 158.000 | LB. |
| 713-13.02 | FLAT SHEET ALUMINUM SIGNS (0.080" THICK) | 167.000 | S.F. |

Contract ID CNV260 - SHELBY

| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 713-14.21 | STREET NAME SIGN (RIGID 0.100IN THICK | 48.000 | S.F. |
| 713-15 | REMOVAL OF SIGNS, POSTS AND FOOTINGS | (1) | LS |
| 713-15.07 | SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK) | 8.000 | EACH |
| 713-16.50 | REMOVE AND REPLACE SIGN (DESCRIPTION) (VARIOUS) | 29.000 | EACH |
| 716-01.11 | RAISED PVTM MARKERS (BI-DIRECTIONAL) (1 COLOR LENS) | 22.000 | EACH |
| 716-01.21 | SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR) | 95.000 | EACH |
| 716-01.22 | SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR) | 165.000 | EACH |
| 716-02.05 | PLASTIC PAVEMENT MARKING (STOP LINE) | 180.000 | L.F. |
| 716-02.06 | PLASTIC PAVEMENT MARKING (TURN LANE ARROW) | 13.000 | EACH |
| 716-02.09 | PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK) | 352.000 | L.F. |
| 716-03.01 | PLASTIC WORD PAVEMENT MARKING (ONLY) | 7.000 | EACH |
| 716-04.12 | PLASTIC PAVEMENT MARKING (YIELD LINE) | 13.000 | S.F. |
| 716-04.15 | PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED | 4.000 | EACH |
| 716-12.01 | ENHANCED FLATLINE THERMO PVTM MRKNG (4IN LINE) | 3.600 | L.M. |
| 716-12.03 | ENHANCED FLATLINE THERMO PVTM MRKNG (8IN BARRIER LINE) | 1,900.000 | L.F. |
| 716-12.09 | ENHANCED FLAT LINE THERMO (12IN LINE) | 250.000 | L.F. |
| 717-01 | MOBILIZATION | (1) | LS |
| 730-01.02 | REMOVAL OF SIGNAL EQUIPMENT | 1.000 | EACH |
| 730-01.04 | MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT | (1) | LS |
| 730-02.09 | SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) | 8.000 | EACH |
| 730-02.17 | SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) | 2.000 | EACH |
| 730-02.18 | SIGNAL HEAD ASSEMBLY (150 A2V) | 2.000 | EACH |

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| Item No. | Description | Quantity | Units |
|-----------------|---|-----------------|--------------|
| 730-02.30 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (130 A2 WITH BACKPLATE) | 2.000 | EACH |
| 730-02.31 | SIGNAL HEAD ASSEMBLY (DESCRIPTION) (130 A2) | 2.000 | EACH |
| 730-03.21 | INSTALL PULL BOX (TYPE B) | 4.000 | EACH |
| 730-03.24 | INSTALL PULL BOX (FIBER OPTIC-TYPE B) | 1.000 | EACH |
| 730-05.01 | ELECTRICAL SERVICE CONNECTION | 1.000 | EACH |
| 730-08.02 | SIGNAL CABLE - 5 CONDUCTOR | 565.000 | L.F. |
| 730-08.03 | SIGNAL CABLE - 7 CONDUCTOR | 1,865.000 | L.F. |
| 730-08.04 | SIGNAL CABLE - 9 CONDUCTOR | 780.000 | L.F. |
| 730-12.03 | CONDUIT 3" DIAMETER (PVC) | 220.000 | L.F. |
| 730-12.14 | CONDUIT 3" DIAMETER (JACK AND BORE) | 575.000 | L.F. |
| 730-13.08 | VEHICLE DETECTOR (DESCRIPTION) (VIDEO/RADAR) | 2.000 | EACH |
| 730-13.09 | VEHICLE DETECTOR (DESCRIPTION) (VIDEO) | 2.000 | EACH |
| 730-13.10 | VEHICLE DETECTOR (DESCRIPTION) (OPTICALLY ACTIVATED PREEMPTION) | 4.000 | EACH |
| 730-15.32 | CABINET (EIGHT PHASE BASE MOUNTED) | 1.000 | EACH |
| 730-16.04 | CONTROLLER (ATC) | 1.000 | EACH |
| 730-23.30 | PEDESTAL POLE (DESCRIPTION) (10' TYPE A PEDESTRIAN) | 3.000 | EACH |
| 730-23.31 | PEDESTAL POLE (DESCRIPTION) (PUSHBUTTON POST) | 1.000 | EACH |
| 730-25.11 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 60') | 1.000 | EACH |
| 730-25.13 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 65') | 1.000 | EACH |
| 730-25.14 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 70') | 1.000 | EACH |
| 730-25.17 | CANTILEVER SIGNAL SUPPORT (1 ARM @ 85') | 1.000 | EACH |
| 730-26.11 | COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN | 8.000 | EACH |
| 730-35.06 | BATTERY BACK-UP AND POWER CONDITIONER | 1.000 | EACH |

() Item will be bid as lump sum.

