

Estimated Quantities -- Letting June 25, 2021

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Contract ID CNV208 - HAMILTON

Contract ID: CNV208

Letting Date: June 25, 2021 10:00 AM

Projects: 33006-3136-44

STP-I-124-3(83)

Counties: HAMILTON

District:

DBE Goal Percent: 7.50

Description: The landscaping and accent lighting on I-124 (U.S. 27, S.R. 29) from the I-24 interchange (L.M. 1.15) to south of the Tennessee River (Olgiate) Bridge (L.M. 1.95).

Contract Time: DT - 6/30/2023

Item No.	Description	Quantity	Units
105-01	CONSTRUCTION STAKES, LINES AND GRADES	(1)	LS
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	101.000	C.Y.
203-07	FURNISHING & SPREADING TOPSOIL	79.000	C.Y.
209-05	SEDIMENT REMOVAL	400.000	C.Y.
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	630.000	L.F.
209-09.43	CURB INLET PROTECTION (TYPE 4)	1.000	EACH
209-40.33	CATCH BASIN PROTECTION (TYPE D)	16.000	EACH
303-10.01	MINERAL AGGREGATE (SIZE 57)	5.000	TON
705-20.25	TEMPORARY CRASH CUSHION (MASH TL-3)	3.000	EACH
709-05.05	MACHINED RIP-RAP (CLASS A-3)	700.000	TON
709-05.06	MACHINED RIP-RAP (CLASS A-1)	23.000	TON
712-01	TRAFFIC CONTROL	(1)	LS
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	1,450.000	L.F.
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	415.000	EACH
712-04.50	BARRIER RAIL DELINEATOR	75.000	EACH
712-06	SIGNS (CONSTRUCTION)	440.000	S.F.

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712-08.03	ARROW BOARD (TYPE C)	3.000	EACH
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	4.000	EACH
713-16.20	SIGNS (DESCRIPTION) (DO NOT MOW)	12.000	EACH
717-01	MOBILIZATION	(1)	LS
721-01.07	1" DRIP CONTROL VALVE (RAIN BIRD XCZ-100-PRB-COM)	29.000	EACH
721-01.08	1-1/2" CONTROL VALVE (RAIN BIRD XCZ-150-LCDR)	23.000	EACH
721-01.09	1/2" DRIPLINE FLUSH VALVE (HUNTER PLD-BV)	95.000	EACH
721-01.10	DRIP INDICATOR (HUNTER ECO-ID)	52.000	EACH
721-01.11	DRIP TREE RING (RAIN BIRD XFCV-06-18)	170.000	EACH
721-01.12	1" QUICK COUPLER VALVE (RAIN BIRD 44LRC)	31.000	EACH
721-01.13	ISOLATION VALVE (CLASS 125 BRONZE)	13.000	EACH
721-01.14	1-1/2" MASTER VALVE (BUCKNER-SUPERIOR 3100)	2.000	EACH
721-01.15	1-1/2" BACKFLOW PREVENTER	2.000	EACH
721-01.16	2-WIRE DECODER CONTROLLER (RAIN BIRD LXDIVM-LXMSS-LXMMPED)	2.000	EACH
721-01.17	FIELD DECODER (RAIN BIRD FD-101-TURF)	28.000	EACH
721-01.18	FIELD DECODER (RAIN BIRD FD-202-TURF)	11.000	EACH
721-01.19	FIELD DECODER (RAIN BIRD FD-401-TURF)	1.000	EACH
721-01.20	CELL DATA MODEM (RAIN BIRD IQ-NCC-IQ4)	2.000	EACH
721-01.21	SENSOR DECODER (RAIN BIRD SD-210-TURF)	2.000	EACH
721-01.22	WIRELESS RAIN/FREEZE SENSOR (RAIN BIRD WR2-RFS)	2.000	EACH
721-01.23	1.5" FLOW SENSOR (CREATIVE SENSOR TECHNOLOGY FSI-T15-001)	2.000	EACH
721-01.24	SURGE ARRESTOR AND 2-WIRE GROUNDING POINT (RAIN BIRD LSP01)	20.000	EACH
721-01.25	1-1/2" WATER METER	2.000	EACH
721-01.26	INLINE DRIP TUBING (RAIN BIRD XFCV-06-18)	144,600.000	L.F.
721-01.28	IRRIGATION LATERAL LINE (PVC CLASS 200 SDR 21 1")	11,225.000	L.F.
721-01.29	IRRIGATION LATERAL LINE (PVC CLASS 200 SDR 21 1-1/2")	1,534.000	L.F.

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721-01.30	IRRIGATION LATERAL LINE (PVC CLASS 200 SDR 21 2")	156.000	L.F.
721-01.33	IRRIGATION MAINLINE (PVC CLASS 200 SDR 21 1")	533.000	L.F.
721-01.34	IRRIGATION MAINLINE (PVC CLASS 200 SDR 21 1-1/2")	960.000	L.F.
721-01.35	IRRIGATION MAINLINE (PVC CLASS 200 SDR 21 2")	4,330.000	L.F.
721-01.36	IRRIGATION MAINLINE (PVC CLASS 200 SDR 21 3")	400.000	L.F.
721-01.37	4" PVC SCHEDULE 40 (DIRECTIONAL BORE)	470.000	L.F.
721-01.38	6" PVC SCHEDULE 40 (DIRECTIONAL BORE)	115.000	L.F.
721-01.39	1-1/4" PVC SCHEDULE 40 ELECTRICAL CONDUIT(DIRECT BURIAL)	5,855.000	L.F.
721-01.40	1-1/4" PVC SCHEDULE 40 ELECTRICAL CONDUIT(DIRECTIONAL BORE)	585.000	L.F.
721-01.41	CONTROL WIRE CABLE (RAIN BIRD MAXI-WIRE)	6,500.000	L.F.
721-01.42	IRRIGATION DRIPLINE HEADER (RAIN BIRD XQF-1, 1")	3,910.000	L.F.
724-01.01	CONDUIT (1" PVC SCHEDULE 80) (DIRECTIONAL BORE)	275.000	L.F.
724-01.02	CONDUIT (1-1/4" PVC SCHEDULE 80)	20.000	L.F.
724-01.03	CONDUIT (3/4" PVC SCHEDULE 80)	50.000	L.F.
724-01.04	CONDUIT (1-1/4" GALVANIZED STEEL)	40.000	L.F.
724-01.05	CONDUIT (3/4" GALVANIZED STEEL)	30.000	L.F.
724-01.06	CONDUIT(3/4" RIGID)	120.000	L.F.
724-01.07	CONDUIT (1/2" LIQUID TIGHT)	70.000	L.F.
724-01.08	CABLE (12/2 LOW VOLTAGE)	11,600.000	L.F.
724-01.09	CABLE (10/2 LOW VOLTAGE)	1,500.000	L.F.
724-01.10	CABLE (# 10 AWG STRANDED CABLE - BLACK 120V)	3,000.000	L.F.
724-01.11	CABLE (# 10 AWG STRANDED CABLE - WHITE 120V)	3,000.000	L.F.
724-01.12	CABLE (# 10 AWG STRANDED CABLE - GREEN 120V)	3,000.000	L.F.
724-01.13	CABLE (# 8 AWG STRANDED CABLE - BLACK 120V)	2,400.000	L.F.
724-01.14	CABLE (# 8 AWG STRANDED CABLE - WHITE 120V)	2,400.000	L.F.
724-01.15	CABLE (# 8 AWG STRANDED CABLE - GREEN 120V)	2,400.000	L.F.
724-01.16	WIRE (#4 AWG 600V RATED INSULATION)	240.000	L.F.

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Item No.	Description	Quantity	Units
724-01.17	WIRE (#8 AWG BARE)	150.000	L.F.
724-01.18	WIRE (#12 AWG 600V RATED INSULATION)	100.000	L.F.
724-01.19	WIRE (#6 AWG BARE)	20.000	L.F.
724-01.20	RELAY WIRING (14/2 CONTROLS WIRING)	30.000	L.F.
724-01.21	LUMINAIRES (FLOOD LIGHT)	142.000	EACH
724-01.22	LUMINAIRES (ACCENT SPOT LIGHT)	65.000	EACH
724-01.23	LUMINAIRES (GRAND ACCENT SPOT LIGHT)	39.000	EACH
724-01.24	ELECTRICAL CONNECTION	1.000	EACH
724-01.25	TRANSFORMER (360W IN-GROUND)	9.000	EACH
724-01.26	TRANSFORMER (500W IN-GROUND)	3.000	EACH
724-01.27	TRANSFORMER (840W IN-GROUND)	4.000	EACH
724-01.28	120V LARGE UNDERGROUND CONNECTION	2.000	EACH
724-01.29	120V MEDIUM UNDERGROUND CONNECTION	8.000	EACH
724-01.30	12V MEDIUM GREASE TUBE CONNECTOR	275.000	EACH
724-01.31	12V LARGE GREASE TUBE CONNECTOR	70.000	EACH
724-01.32	SMALL ELECTRICAL JUNCTION BOX	3.000	EACH
724-01.33	CIRCUIT BREAKERS (20A/1P 10K AIC)	24.000	EACH
724-01.34	CIRCUIT BREAKERS (60A/3P 10K AIC)	2.000	EACH
724-01.35	ENCLOSED PANELS (NEMA 3R RATED)	2.000	EACH
724-01.36	PHOTO CELL (NEMA 3R RATED)	2.000	EACH
724-01.37	LIGHTING CONTACTORS (NEMA 3R RATED) 4 POLE	8.000	EACH
724-01.38	WEATHERHEAD	1.000	EACH
724-01.39	GFI OUTLET	2.000	EACH
724-01.40	CONCRETE REINFORCED BOX (IN GRADE RATED 12X12X12)	18.000	EACH
724-01.41	WEATHERPROOF ENCLOSURE FOR RECEPTACLE	2.000	EACH
724-01.42	SOLID COPPER GROUND ROD TRIPOD SYSTEM (3/8" ROUND)	2.000	EACH
724-01.43	ANCHOR BOLTS	492.000	EACH
724-01.44	U-CHANNEL STRUCTURAL STEEL (1-5/8")	80.000	L.F.
724-01.45	CONCRETE (3000 PSI)	246.000	C.F.

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Item No.	Description	Quantity	Units
724-01.46	CONDUIT (1" PVC SCHEDULE 80) (DIRECT BURIAL)	2,500.000	L.F.
726-02.01	MAINTENANCE (1-YEAR) (IRRIGATION SYSTEM)	(1)	LS
726-02.02	MAINTENANCE (1-YEAR) (ACCENT LIGHTING SYSTEM)	(1)	LS
726-03.01	RECORD DRAWINGS (IRRIGATION SYSTEM)	(1)	LS
726-03.02	RECORD DRAWINGS (ACCENT LIGHTING SYSTEM)	(1)	LS
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	1,256.000	S.Y.
740-11.02	TEMPORARY SEDIMENT TUBE 12IN	8,020.000	L.F.
801-01.65	TEMPORARY MULCH	520.000	UNIT
801-06.10	SHREDDED HARDWOOD MULCH(LANDSCAPING)	3,610.000	C.Y.
802-01.10	TREES (DESCRIPTION) (ACER BUERGERIANUM 'AERYN')	45.000	EACH
802-01.11	TREES (DESCRIPTION) (AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE')	83.000	EACH
802-01.12	TREES (DESCRIPTION) (CEDRUS DEODARA')	44.000	EACH
802-01.13	TREES (DESCRIPTION) (CERCIS CANADENSIS 'FOREST PANSY')	65.000	EACH
802-01.14	TREES (DESCRIPTION) (CRATAEGUS VIRDIS 'WINTER KING')	82.000	EACH
802-01.15	TREES (DESCRIPTION) (CRYPTOMERIA JAPONICA)	30.000	EACH
802-01.16	TREES (DESCRIPTION) (ILEX 'NELLIE R. STEVENS')	119.000	EACH
802-01.17	TREES (DESCRIPTION) (JUNIPERUS VIRGINIANA 'BURKII')	312.000	EACH
802-01.18	TREES (DESCRIPTION) (LAGERSTROEMIA INDICA 'DYNAMITE')	92.000	EACH
802-01.19	TREES (DESCRIPTION) (LIRIODENDRON TULIPIFERA 'ARNOLD')	25.000	EACH
802-01.20	TREES (DESCRIPTION) (MAGNOLIA GRANDIFLORA 'D.D. BLANCHARD')	30.000	EACH
802-01.21	TREES (DESCRIPTION) (MAGNOLIA X SOULANGIANA)	50.000	EACH
802-01.22	TREES (DESCRIPTION) (NYSSA SYLVATICA 'DAVID ODOM')	26.000	EACH
802-03.01	SHRUBS (DESCRIPTION) (CALLICARPA AMERICANA)	167.000	EACH

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Item No.	Description	Quantity	Units
802-03.02	SHRUBS (DESCRIPTION) (HYDRANGEA QUERCIFOLIA 'ALICE')	51.000	EACH
802-03.03	SHRUBS (DESCRIPTION) (ILEX GLABRA 'COMPACTA')	90.000	EACH
802-03.04	SHRUBS (DESCRIPTION) (ITEA VIRGINICA 'HENRY'S GARNET')	168.000	EACH
802-04.70	GROUND COVER (DESCRIPTION) (AMSONIA TABERNAEMONTANA)	9,265.000	EACH
802-04.71	GROUND COVER (DESCRIPTION) (ANDROPOGON GERARDII 'RED OCTOBER')	2,587.000	EACH
802-04.72	GROUND COVER (DESCRIPTION) (PANICUM VIRGATUM 'NORTHWIND')	5,333.000	EACH
802-04.73	GROUND COVER (DESCRIPTION) (PERENNIAL MIX 1)	8,764.000	EACH
802-04.74	GROUND COVER (DESCRIPTION) (PERENNIAL MIX 2)	20,739.000	EACH
802-04.75	GROUND COVER (DESCRIPTION) (PERENNIAL MIX 3)	8,873.000	EACH
802-09.01	LANDSCAPE MAINTENANCE (1-YEAR)	(1)	LS
802-60.99	PLANTING BED (TREES, SHRUBS, PERENNIALS)	292,000.000	S.F.
802-70.99	PLANTING BED (WILDFLOWER AND PRAIRIE GRASS SEED MIX)	227,000.000	S.F.
803-01	SODDING (NEW SOD)	940.000	S.Y.
806-02.03	PROJECT MOWING	3.000	CYCL

() Item will be bid as lump sum.

