

**Alabama Department of Transportation
Proposal Item Summary**

004. RPF-IMF-NHF-I059(387)

TUSCALOOSA COUNTY

Contract Time: 7/31/2020 Completion Date

DBE Goal Percent: 7.00

for constructing the Additional Lanes and Bridge Replacement (Grading, Drainage, Base, Pavement, Bridges, Concrete Barrier Rail, Lighting, and Signals) on I-59 from 0.250 mile south of the SR-6 (US-82/McFarland Boulevard) Interchange to 0.750 mile south of the Buttermilk Road Interchange in Tuscaloosa. Length 4.165 mi.

The Bracket Estimate on this project is from \$61,211,181 to \$74,813,666.

A Bidding Proposal may be purchased for \$5.00. Plans may be purchased for \$248.00 per set.

The Principal Items of work are approximately as follows:

A MANDATORY pre-bid conference is scheduled for 10:00 a.m. on Wednesday, September 20, 2017, at the West Central Region Training Facility, 2015 McFarland Boulevard East, Tuscaloosa, AL 35401 Any qualified bidder wishing to bid this proposal is required to have a company representative present at this MANDATORY pre-bid conference. Proposals issued to bidders who fail to attend the MANDATORY pre-bid conference and/or register their attendance will be voided and their bids will not be received nor considered.

Item No.	Quantity	Units	Description
201A002	1	LS	Clearing And Grubbing (Maximum Allowable Bid \$ \$4,000.00 Per Acre) (Approximately 59 Acres)
201B001	3	Acre	Selective Clearing
206A000	1	LS	Removal Of Old Bridge, Station 99+96.00
206A001	1	LS	Removal Of Old Bridge, Station 100+25.00
206A002	1	LS	Removal Of Old Bridge, Station 256+90.09 NBL
206A003	1	LS	Removal Of Old Bridge, Station 256+90.09 SBL
206C000	1,005	SQYD	Removing Concrete Sidewalk
206C001	2,088	SQYD	Removing Concrete Pavement
206C002	925	SQYD	Removing Concrete Slope Paving
206C003	8,849	SQYD	Removing Concrete Flumes
206C010	328	SQYD	Removing Concrete Driveway
206C013	432	SQYD	Removing Bridge End Slab
206C016	2,275	SQYD	Removing Concrete Slope Paving (Under Bridges)
206D000	1,261	LF	Removing Pipe
206D001	33,493	LF	Removing Guardrail
206D002	3,556	LF	Removing Curb
206D003	3,268	LF	Removing Curb And Gutter
206D005	223	LF	Removing Gutter
206D011	575	LF	Removing Fence
206E000	11	Each	Removing Headwalls
206E001	53	Each	Removing Inlets
206E002	3	Each	Removing Junction Boxes
206E003	1	Each	Removing Manholes
206E008	54	Each	Removing Guardrail End Anchor (All Type)
206E020	1	Each	Removing Existing Overhead Sign Structure
206E050	6	Each	Removing Slope Paved Headwall
210A000	144,492	CUYD	Unclassified Excavation
210D011	80,416	CUYD	Borrow Excavation (A4 Or Better)
210D101	1,347	CUYD	Borrow Excavation (Sand Fill, Complete In Place)
210F002	4,507	Ton	Borrow Excavation (Underwater Backfill) (ALDOT #57)
214A000	14,740	CUYD	Structure Excavation
214B001	5,091	CUYD	Foundation Backfill, Commercial
215A000	568	CUYD	Unclassified Bridge Excavation
215B000	1	LS	Cofferdams Or Sheet Piling And Shoring, Station 256+77.10 NBL

Item No.	Quantity	Units	Description
215B001	1	LS	Cofferdams Or Sheeting And Shoring, Station 256+77.10 SBL
215B002	1	LS	Cofferdams Or Sheeting And Shoring, Station 100+11.51
243A020	11,010	SQYD	Geosynthetic Reinforcement For Reinforced Slopes, Type 1
243A035	3,096	SQYD	Geosynthetic Reinforcement For Soft Soil Stabilization, Type 3
260A000	7	CUYD	Cement Mortar Flowable Backfill, Mix 1
301A012	457,714	SQYD	Crushed Aggregate Base Course, Type B, Plant Mixed, 6" Compacted Thickness
305B071	985	Ton	Coarse Aggregate, Section 801, For Miscellaneous Use
305B077	1,366	Ton	Crushed Aggregate, Section 825, For Miscellaneous Use
327C021	20,481	Ton	Plant Mix Bituminous Base, Leveling, Mix 2
327E000	24,310	Ton	Permeable Asphalt Treated Base
401A000	36,516	SQYD	Bituminous Treatment A
401A043	121,550	SQYD	Bituminous Treatment AE
405A000	48,936	Gal	Tack Coat
407B000	57	Mile	Joint Sealant For Hot Mix Asphalt Pavement
408A052	241,637	SQYD	Planing Existing Pavement (Approximately 1.10" Thru 2.0" Thick)
408A053	82,057	SQYD	Planing Existing Pavement (Approximately 2.10" Thru 3.0" Thick)
410H000	1	Each	Material Remixing Device
410I000	1	Each	Smoothness Testing, Certified Inertial Profiler
423A003	30,980	Ton	Stone Matrix Asphalt Wearing Layer, 1/2" Maximum Aggregate Size
423B002	23,517	Ton	Stone Matrix Asphalt Binder Layer, 3/4" Maximum Aggregate Size
424A280	12,851	Ton	Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range E
424A286	10,756	Ton	Superpave Bituminous Concrete Wearing Surface Layer, Leveling, 1/2" Maximum Aggregate Size Mix, ESAL Range E
424A289	200	Ton	Superpave Bituminous Concrete Wearing Surface Layer, Widening, 1/2" Maximum Aggregate Size Mix, ESAL Range E
424B280	5,306	Ton	Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range E
424B285	358	Ton	Superpave Bituminous Concrete Upper Binder Layer, Patching, 1" Maximum Aggregate Size Mix, ESAL Range E
424B288	11,923	Ton	Superpave Bituminous Concrete Upper Binder Layer, Leveling, 3/4" Maximum Aggregate Size Mix, ESAL Range E
424B291	661	Ton	Superpave Bituminous Concrete Upper Binder Layer, Widening, 3/4" Maximum Aggregate Size Mix, ESAL Range E
424B581	78,556	Ton	Superpave Bituminous Concrete Lower Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range E
424B585	250	Ton	Superpave Bituminous Concrete Lower Binder Layer, Patching, 1" Maximum Aggregate Size Mix, ESAL Range E
424B588	10,986	Ton	Superpave Bituminous Concrete Lower Binder Layer, Leveling, 3/4" Maximum Aggregate Size Mix, ESAL E
424B589	11,938	Ton	Superpave Bituminous Concrete Lower Binder Layer, Leveling, 1" Maximum Aggregate Size Mix, ESAL Range E
424B592	614	Ton	Superpave Bituminous Concrete Lower Binder Layer, Widening, 1" Maximum Aggregate Size Mix, ESAL Range E
424C280	12,418	Ton	Superpave Bituminous Concrete Base Layer, 1" Maximum Aggregate Size Mix, ESAL Range E
424C290	1,955	Ton	Superpave Bituminous Concrete Base Layer, Widening, 1" Maximum Aggregate Size Mix, ESAL Range E
428A001	17	Mile	Scoring Bituminous Pavement Surface
430B043	60,426	Ton	Aggregate Surfacing (1" Down, Crusher Run)
430B050	6,848	Ton	Aggregate Surfacing(ALDOT#1)
450A001	4,002	SQYD	Plain Cement Concrete Pavement,10 Inches Thick
450B000	1,050	SQYD	Reinforced Cement Concrete Bridge End Slab
502A000	782,575	LB	Steel Reinforcement
502B000	1	LS	Steel Reinforcement For Bridge Superstructure, Station 100+11.51 SBL, Approximately 302,400 Pounds
502B001	1	LS	Steel Reinforcement For Bridge Superstructure, Station 256+77.10, NBL, Approximately 157,600 Pounds

Item No.	Quantity	Units	Description
502B002	1	LS	Steel Reinforcement For Bridge Superstructure, Station 256+77.10 SBL, Approximately 157,600 Pounds
505A002	2	Each	Steel Test Piles (HP 12x53)
505B057	2	Each	Static Loading Tests (HP 12x53)
505B087	2	Each	Dynamic Loading Tests (HP 12x53)
505M002	7,245	LF	Steel Piling Furnished And Driven (HP 12x53)
506A000	2,190	LF	Drilled Shaft Excavation, 4'-6" Diameter
506C043	2,190	LF	Drilled Shaft Construction, 4'-6" Diameter, Class DS1 Concrete
506G003	30	Each	Crosshole Sonic Logging, 4'-6" Diameter
508A000	19,280	LB	Structural Steel
508B000	1	Each	Structural Steel Superstructure, (Includes Arch Ribs) Station 100+11.51, Approximately 2,384,860 Pounds
510A007	2,588	CUYD	Bridge Substructure Concrete
510C051	1	LS	Bridge Concrete Superstructure, Station 100+11.51 SBL, Approximately 1,229 Cubic Yards
510C052	1	LS	Bridge Concrete Superstructure, Station 256+77.10, NBL, Approximately 864 Cubic Yards
510C053	1	LS	Bridge Concrete Superstructure, Station 256+77.10 SBL, Approximately 865 Cubic Yards
510E000	8,026	SQYD	Grooving Concrete Bridge Decks
511A083	136	Each	Elastomeric Bearing Type 4 (Mark VB4 Modified)
513B015	5,820	LF	Pretensioned-Prestressed Concrete Girders, Type BT-54 (Specialty Item)
517G000	306	LF	Ornamental Metal Fence
522J000	136	LF	Strip Seal Expansion Joint
524B011	125	CUYD	Culvert Concrete Extension (Cast In Place)
529A020	2,862	SQFT	Retaining Wall # 1
529A021	2,923	SQFT	Retaining Wall # 2
529A022	4,488	SQFT	Retaining Wall # 3
529A023	4,297	SQFT	Retaining Wall # 4
529A024	1,628	SQFT	Retaining Wall # 5
529A025	1,917	SQFT	Retaining Wall # 6
529A026	1,988	SQFT	Retaining Wall # 7
529A027	1,733	SQFT	Retaining Wall # 8
530A001	1,346	LF	18" Roadway Pipe (Class 3 R.C.)
530A002	44	LF	24" Roadway Pipe (Class 3 R.C.)
530A003	28	LF	30" Roadway Pipe (Class 3 R.C.)
530A004	12	LF	36" Roadway Pipe (Class 3 R.C.)
530A100	36	LF	15" Roadway Pipe (Class 3 R.C.) (Extension)
530A102	144	LF	24" Roadway Pipe (Class 3 R.C.) (Extension)
530A103	8	LF	30" Roadway Pipe (Class 3 R.C.) (Extension)
530A818	13	LF	15" Roadway Pipe (14 Gauge C.C.M.) (Stack Pipe)(No Bedding Required) (Extension)
530B001	219	LF	22" Span, 14" Rise Roadway Pipe (Class 3 R.C.)
530B011	8	LF	18" Span, 11" Rise Roadway Pipe (Class 3 R.C.) (Extension)
530C002	207	LF	24" Roadway Pipe, Jacked Installation (Smooth Steel)
532A067	2,632	LF	18" 14 Gauge CS Spiral-Rib Slotted Drain Pipe (Modified)
532E002	31	Each	Cleanout Box For Slotted Drain (18")
533A098	795	LF	18" Storm Sewer Pipe (Class 3 R.C.)
533A099	14,144	LF	24" Storm Sewer Pipe (Class 3 R.C.)
533A100	312	LF	30" Storm Sewer Pipe (Class 3 R.C.)
533A101	14	LF	36" Storm Sewer Pipe (Class 3 R.C.)
533A102	13	LF	42" Storm Sewer Pipe (Class 3 R.C.)
533A855	40	LF	12" Storm Sewer Pipe
533A856	60	LF	15" Storm Sewer Pipe
533A870	150	LF	18" Storm Sewer Pipe(14 Gauge CS Spiral-Rib)
533B098	30	LF	22" Span, 14" Rise Storm Sewer Pipe (Class 3 R.C.)
533B099	22	LF	29" Span, 18" Rise Storm Sewer Pipe (Class 3 R.C.)
534E001	4,952	LF	Cleaning Existing Pipe (Less Than Or Equal To 48" Horizontal Opening)
534F000	2,250	LF	Cleaning Existing Culvert (Greater Than 48" Horizontal Opening)

Item No.	Quantity	Units	Description
572B030	1,793	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 1
572B031	2,919	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 2
572B032	1,121	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 3
572B033	1,505	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 4
572B034	3,735	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 5
572B035	2,248	SQFT	Soldier Pile Retaining Wall,with Permanent Ground Anchors, No. 6
578A000	1	LS	Hanger Assemblies
579A000	8	Each	Disc-Type Expansion Bearing Assembly (NE)
579A001	1	Each	Disc-Type Expansion Bearing Assembly (GEL)
579A010	1	Each	Disc-Type Expansion Bearing Assembly (F)
600A000	1	LS	Mobilization
601A000	1	Each	Furnishing Base, Soil And Structure Laboratories
605A002	6,262	LF	Pavement Edge Drain (Aggregate Filled Underdrain)
605A004	23,591	LF	Pavement Median Drain
605B000	9	Each	Special Underdrain Outlet, Type A
605B001	88	Each	Special Underdrain Outlet, Type B
606A000	3,345	LF	6" Underdrain Pipe
608A000	12,518	SQYD	Separation Geotextile
609A000	19,958	SQYD	Aggregate Slope Protection
609B000	19,958	SQYD	Geotextile Filter For Aggregate Slope Protection
610C000	610	Ton	Loose Riprap, Class 1
610C001	105	Ton	Loose Riprap, Class 2
610D003	7,349	SQYD	Filter Blanket, Geotextile
614A000	810	CUYD	Slope Paving
614A001	318	CUYD	Slope Paving (Under Bridges)
618A000	969	SQYD	Concrete Sidewalk, 4" Thick
618B003	178	SQYD	Concrete Driveway, 6" Thick (Includes Wire Mesh)
619A002	7	Each	18" Roadway Pipe End Treatment, Class 1
619A003	5	Each	24" Roadway Pipe End Treatment, Class 1
619A004	1	Each	30" Roadway Pipe End Treatment, Class 1
619A053	2	Each	24" Roadway Pipe End Treatment, Class 2
619A055	2	Each	36" Roadway Pipe End Treatment, Class 2
619A056	1	Each	42" Roadway Pipe End Treatment, Class 2
620A000	103	CUYD	Minor Structure Concrete
621A004	1	Each	Junction Boxes, Type 4
621A011	33	Each	Junction Boxes, Type 1 Or 1P
621B011	6	Each	Junction Box Units, Type 1 Or 1P
621C002	6	Each	Inlets, Type C, P1 Or P3
621C008	10	Each	Inlets, Type E
621C015	11	Each	Inlets, Type S1 Or S3 (1 Wing)
621C017	4	Each	Inlets, Type S1 Or S3 (2 Wing)
621C020	1	Each	Inlets, Type Y
621C054	86	Each	Inlets, Type E2
621C100	31	Each	Inlets, Type PR
621C109	4	Each	Inlets, Type PD
621D008	12	Each	Inlet Units, Type E
621D015	4	Each	Inlet Units, Type S1 Or S3
621D022	7	Each	Inlet Units, Type C, P1 Or P3
621D038	2	Each	Inlet Units, Type PR
621D041	122	Each	Inlet Units, Type E2
621D109	1	Each	Inlet Units, Type PD
623A003	485	LF	Concrete Gutter (4' 0" Wide)
623B000	2,231	LF	Concrete Curb, Type N
623B002	144	LF	Concrete Curb, Type A
623C000	4,480	LF	Combination Curb & Gutter, Type C

Item No.	Quantity	Units	Description
629A005	94	LF	Concrete Median Or Safety Barrier, Type 4A (Reinforced)
629A080	17,516	LF	Concrete Median Or Safety Barrier, Type CSF-56
629A081	4,290	LF	Concrete Median Or Safety Barrier, CSF-56 SE
629A082	175	LF	Concrete Median Or Safety Barrier, CSF-56 PP
630A001	9,656	LF	Steel Beam Guardrail, Class A, Type 2
630C001	25	Each	Guardrail End Anchor, Type 8
630C003	12	Each	Guardrail End Anchor, Type 13
630C050	23	Each	Guardrail End Anchor, Type 20 Series
630C070	9	Each	Guardrail End Anchor, Type 10 Series
635A001	563	LF	Woven Wire Fence (Metal Posts)
650A000	13,213	CUYD	Topsoil
652A100	59	Acre	Seeding
652A110	1	Acre	Seeding(Wetland Mix)
652C000	354	Acre	Mowing
654A001	36,172	SQYD	Solid Sodding (Bermuda)
656A010	59	Acre	Mulching
657E000	180	LF	Step Pool Conveyance
659C001	24,664	SQYD	Erosion Control Product, Type S3
659C004	1,027	SQYD	Erosion Control Product, Type C2
659C005	1,659	SQYD	Erosion Control Product, Type C4
659C006	115	SQYD	Erosion Control Product, Type C6
665A000	59	Acre	Temporary Seeding
665B001	531	Ton	Temporary Mulching
665C010	1,703	LF	Temporary Pipe
665D001	27	Each	Temporary Pipe End Treatment
665E000	1,650	SQYD	Polyethylene
665F000	500	Each	Hay Bales
665G000	18,441	Each	Sand Bags
665H005	1,083	LF	Flow Baffle
665I000	970	Ton	Temporary Riprap, Class 2
665J002	24,087	LF	Silt Fence
665N000	1,134	Ton	Temporary Coarse Aggregate,ALDOT Number 1
665N001	148	Ton	Temporary Coarse Aggregate,ALDOT Number 4
665O001	24,087	LF	Silt Fence Removal
665P005	121	Each	Inlet Protection, Stage 3 Or 4
665Q002	12,960	LF	Wattle
665T000	7,424	LF	Temporary Earth Berms
665X000	5	Each	Basin Dewatering Device
666A001	59	Acre	Pest Control Treatment
672C100	694	Each	Flocculant Application, Ditch Check
672C102	250	Each	Flocculant Application, Sedimentation Basin
672D000	1	Each	Contractor Retained Tubidimeter
680A001	1	LS	Geometric Controls
698A000	1	LS	Construction Fuel (Maximum Bid Limited to \$ 5,127,500.00)
701A227	12	Mile	Solid White, Class 2, Type A Traffic Stripe (5" Wide)
701A230	11	Mile	Solid Yellow, Class 2, Type A Traffic Stripe (5" Wide)
701A239	20	Mile	Broken White, Class 2, Type A Traffic Stripe (5" Wide)
701B063	5,842	LF	Dotted, Class 2, Type A Traffic Stripe(Lane Drop 10" Wide)
701B207	12,682	LF	Dotted, Class 2, Type A Traffic Stripe (5" Wide)
701C000	21	Mile	Broken Temporary Traffic Stripe
701C001	92	Mile	Solid Temporary Traffic Stripe
701D005	38	Mile	Solid Traffic Stripe Removed
701D009	1	Mile	Solid Traffic Stripe Removed (Tape)
701D013	14	Mile	Broken Traffic Stripe Removed
701E006	11,610	LF	Solid Temporary Traffic Stripe (Removable Tape)

Item No.	Quantity	Units	Description
701F000	21,070	LF	Dotted Temporary Traffic Stripe
701G142	3,055	LF	Broken White, Class W, Type A Traffic Stripe (5" Wide)
701G146	2,759	LF	Solid White, Class W, Type A Traffic Stripe (5"Wide)
701G154	2,449	LF	Solid Yellow, Class W, Type A Traffic Stripe (5" Wide)
701G256	927	LF	Broken Yellow, Class 2, Type A Traffic Stripe (5" Wide)
703A002	12,995	SQFT	Traffic Control Markings, Class 2, Type A
703A011	415	SQFT	Traffic Control Markings, Class W, Type A
703B002	837	SQFT	Traffic Control Legends, Class 2, Type A
703B011	68	SQFT	Traffic Control Legends, Class W, Type A
703D002	1,885	SQFT	Temporary Traffic Control Markings (Paint)
703H000	288	SQFT	Specialty Traffic Control Markings
705A011	93,300	Each	Pavement Markers, Class C, Type 1-A
705A012	39,000	Each	Pavement Markers, Class C, Type 1-B
705A022	5,900	Each	Pavement Markers, Class C, Type 2-C
705A030	918	Each	Pavement Markers, Class A-H, Type 2-C
705A031	2,190	Each	Pavement Markers, Class A-H, Type 1-A
705A032	216	Each	Pavement Markers, Class A-H, Type 1-B
707A007	50	Each	Type 2, Clear Delineator Installation
707G000	2,203	Each	Barrier Rail Mounted Delineator (Mono-Directional)
709A000	10	Each	Milepost, Type A
710A115	489	SQFT	Class 4, Aluminum Flat Sign Panels 0.08" Thick Or Steel Flat Sign Panels 14 Gauge (Type III Or Type IV Background)
710A126	86	SQFT	Class 8, Aluminum Flat Sign Panels 0.08" Thick Or Steel Flat Sign Panels 14 Gauge (Type IX Background)
710A140	7,192	SQFT	Class 6, Aluminum Multiple Flat Sign Panels 0.125" Thick Or Steel Multiple Flat Sign Panels 12 Gauge(Ty. III Background)
710A141	273	SQFT	Class 6, Aluminum Flat Sign Panels 0.125" Thick Or Steel Flat Sign Panels 12 Gauge (Type III Background)
710A144	216	SQFT	Class 2A , Aluminum Flat Sign Panels 0.125" Thick or Steel Flat Sign Panels 12 Gauge (Type III, IV, Or VIII Bckgd)
710B006	147	LF	Roadway Sign Post (S4 x 7.7 Steel Beam)
710B007	107	LF	Roadway Sign Post (W6 x 15 Steel Beam)
710B008	780	LF	Roadway Sign Post (W8 x 18 Steel Beam)
710B010	63	LF	Roadway Sign Post (W6 x 9 Steel Beam)
710B011	133	LF	Roadway Sign Post (W6 x 12 Steel Beam)
710B012	196	LF	Roadway Sign Post (W8 x 21 Steel Beam)
710B021	812	LF	Roadway Sign Post (#3 U Channel, Galvanized Steel or 2", 14 Ga Square Tubular Steel)
710C000	1	LS	Removal Of Existing Roadway Signs
711A000	1	LS	Roadway Sign Relocation
715A000	1	LS	Overhead Roadway Sign Structure No. OHSB-1
715A001	1	LS	Overhead Roadway Sign Structure No. OHSB-2
715A002	1	LS	Overhead Roadway Sign Structure No. OHSB-3
715A003	1	LS	Overhead Roadway Sign Structure No. OHSB-4
715A004	1	LS	Overhead Roadway Sign Structure No. DMS W67
715A005	1	LS	Overhead Roadway Sign Structure No. DMS E81
717A000	1	LS	Overhead Roadway Sign Structure No. OHC -1, Renovation
717A001	1	LS	Overhead Roadway Sign Structure No. OHSB-5, Renovation
720A026	1	Each	Vehicular Impact Attenuator Assembly (Bi-directional,TL-3)
726A000	41,485	LF	Portable Concrete Safety Barriers, Type 6
726A001	2,800	LF	Portable Concrete Safety Barriers, Type 6-A
726D025	20	Each	Portable Impact Attenuator Assembly (Unidirectional,TL-3)
730A000	1	LS	Removal Of Existing Traffic Control Unit (I-20/59 at SR-6/US-82)
730A001	1	LS	Removal Of Existing Traffic Control Unit (I-20/59 at SR-6/US-82)
730A002	1	LS	Removal Of Existing Traffic Control Unit (SR-6/US-82 at 31st Street East)
730A003	1	LS	Removal Of Existing Traffic Control Unit (SR-6/US-82 at 37th Street East)
730C000	1	LS	Furnishing And Installing Traffic Control Unit (I-20/59 at SR-6/US-82)

Item No.	Quantity	Units	Description
730C001	1	LS	Furnishing And Installing Traffic Control Unit (SR-6/US-82 at 31st Street East)
730C002	1	LS	Furnishing And Installing Traffic Control Unit (SR-6/US-82 at 37th Street East)
730E000	8	Each	Metal Traffic Signal Pole Foundation
730G001	8	Each	Metal Traffic Signal Strain Pole
730K000	12	Each	Traffic Signal Junction Box
730L002	75	LF	1", Metallic, Conduit
730L004	1,290	LF	2", Metallic, Conduit
730L005	2,420	LF	2", Non-Metallic, Conduit
730N010	8	Each	Luminaire Extension Assembly, 15 Feet
730P022	42	Each	Vehicular Signal Head, 12 Inch, 3 Section, Type LED
730P023	8	Each	Vehicular Signal Head, 12 Inch, 4 Section, Type LED
730Q011	8	Each	Pedestrian Signal Head, Type LED
730R022	3	Each	Controller Assembly, Type III, 8 Phase
730R500	1	LS	Adaptive Traffic Signal Control System (SR-6/US-82, 3 Intersections)
730U450	1	LS	Magnetometer Detection System (I-20/59 at SR-6/US-82)
730U451	1	LS	Magnetometer Detection System (SR-6/US-82 at 31st Street East)
730U452	1	LS	Magnetometer Detection System (SR-6/US-82 at 37th Street East)
734A017	4,080	LF	Cable OSP, Loose Tube, 144F SM
734B007	100	LF	Drop Cable OSP 12F SM Central Core
734E000	610	LF	Detectable Tape System
734E005	9	Each	Marker Post
734E021	2,255	LF	Buried Duct HDPE SDR11 2 Inch
734E100	1,320	LF	Buried Duct HDPE SDR11 2 x 2 Inch
734F002	1	Each	Distribution Hardware SFDU 12 Fiber
734G001	4	Each	Connector ST Termination SM
734G005	1	Each	Splice Closure, Aerial With Trays
734G009	136	Each	Splicing, Fusion
734G100	1	Each	Splice Closure, Undergrade, 12 Fiber
734G140	1	Each	Splice Closure, Undergrade, 144 Fiber
734H011	4	Each	Patch Cord Simplex SM ST 2 Meter
734H070	1	Each	Fanout Kit, SM
734I902	4	Each	ITS Cabinet, 336S Pole Mount
734J000	13	Each	Commbox F1
734J001	7	Each	Commbox F2
734K007	2,360	LF	Conductor, #6 AWG
734K009	1,000	LF	Conductor, #2 AWG
734K011	3,580	LF	Conductor, #1/0 AWG
734M000	1	Each	Riser Assembly
734N053	8	Each	Ethernet Field Switch, Type C
734U090	4	Each	Wood Pole
734U100	4	Each	Power Source
737A105	2	Each	Dynamic Message Sign, Front Access (Type B)
737B000	1	LS	Dynamic Message Sign Factory Acceptance Test
737T110	1	LS	Testing, Dynamic Message Sign
737T120	1	LS	Training, Dynamic Message Sign
738A000	6	Each	CCTV Camera, PTZ
738B015	2	Each	Pole, Concrete,(50 FT AGL)
738T110	1	LS	Testing, CCTV
738T120	1	LS	Training, CCTV
739B000	2	Each	Vehicle Detection Unit, Radar
739D000	9	Each	Vehicle Detection Unit, Bluetooth (Type A)
739T110	1	LS	Testing, Radar Vehicle Detection
739T111	1	LS	Testing, Bluetooth Vehicle Detection
739T120	1	LS	Training, Radar Vehicle Detection
739T121	1	LS	Training, Bluetooth Vehicle Detection

Item No.	Quantity	Units	Description
740B000	3,447	SQFT	Construction Signs
740C000	152	SQFT	Special Construction Signs
740D000	2,100	Each	Channelizing Drums
740E000	100	Each	Cones (36 Inches High)
740F002	12	Each	Barricades, Type III
740I002	14	Each	Warning Lights, Type B
740L004	800	Each	Vertical Panel, Type II (Single-Sided)
740M001	100	Each	Ballast For Cone
741C010	4	Each	Portable Sequential Arrow And Chevron Sign Unit
742A001	6	Each	Portable Changeable Message Sign, Type 2
750B582	28	Each	Roadway Luminaire Assembly with One, LED Low Profile Underpass Surface Mount, 250 Watt Equivalent Luminaire
750B583	96	Each	Roadway Luminaire Assembly with One, LED Low Profile Underpass Surface Mount, 400 Watt Equivalent Luminaire
750B601	44	Each	Roadway Luminaire Assembly with One, LED, 250 Watt Equivalent Luminaire
750B607	2	Each	Roadway Luminaire Assembly with Two, LED, 400 Watt Equivalent Luminaire
750C010	46	Each	Pole Foundation,Roadway
750C011	34	Each	Pole Foundation, High Mast
750D200	60	Each	Electrical Junction Box,Type 1
750D201	98	Each	Electrical Junction Box, Type 2
750E123	1,500	LF	Conduit, 3/4 Inch, Rigid Metallic
750E124	4,530	LF	Conduit, 1 Inch, Rigid Metallic
750E125	50	LF	Conduit, 1 1/4 Inch, Rigid Metallic
750E126	2,670	LF	Conduit, 1 1/2 Inch, Rigid Metallic
750E127	1,400	LF	Conduit, 2 Inch, Rigid Metallic
750F022	4,506	LF	Conductor, #10 AWG
750F024	12,400	LF	Conductor, #6 AWG
750F025	7,200	LF	Conductor, #4 AWG
750F026	100	LF	Conductor, #2 AWG
750F027	2,600	LF	Conductor, #1/0 AWG
750G010	17,810	LF	Combined Duct And Cable,2 #6 AWG/ 1 #6 AWG GND
750G030	20,970	LF	Combined Duct and Cable, 2 #2 AWG/ 1 #6 AWG GND
750G040	5,760	LF	Combined Duct and Cable, 2 #1/0 AWG/ 1 #6 AWG GND
750G142	250	LF	Combined Duct And Cable, 4 #3/0 AWG/ 1 #2 AWG GND
750H005	4	Each	Service Pole
750I015	2	Each	Lighting Control Center
750I016	2	Each	Lighting Control Center, Special
750I017	1	Each	Lighting Control Center, Data
750T010	334	Each	Decorative LED Linear Luminaire
750V000	20	Each	Luminaire Data Power Hub
751G025	84	Each	Remove & Store Roadway Luminaire Assembly
751J005	1	Each	Remove Luminaire Pole Foundation, High Mast
751J006	84	Each	Remove Luminaire Pole Foundation, Concrete
751L002	3	Each	Remove Lighting Control Center, 6 Circuit
751L015	3	Each	Remove Service Pole
751L037	1	Each	Remove High Mast Luminaire Assembly
756A020	3,400	LF	2" Electrical Conduit, 1 Line, Type 5 Installation
756A022	2,690	LF	4" Electrical Conduit, 1 Line, Type 5 Installation
756A027	45	LF	6" Electrical Conduit, 1 Line, Type 1 Installation
756A028	2,105	LF	6" Electrical Conduit, 1 Line, Type 5 Installation
756A042	250	LF	6 Inch Electrical Conduit, 2 Lines, Type 5 Installation
756A043	505	LF	8 Inch Electrical Conduit, 3 Lines, Type 5 Installation
761A000	1	LS	Smart Work Zone System
761B000	24	Each	Smart Work Zone System, Operational Month
770L005	12	Each	Bollard,Complete In Place

Item No.	Quantity	Units	Description
999 000	2,800	HOUR	Trainee Hours At 80 Cents Per Hour
750A262 AA1	13	Each	High Mast Luminaire Assembly with Four, LED, 400 Watt Equivalent Luminaires
750A263 AA1	17	Each	High Mast Luminaire Assembly with Five, LED, 400 Watt Equivalent Luminaires
750A264 AA1	4	Each	High Mast Luminaire Assembly with Six, LED, 400 Watt Equivalent Luminaires
750A260 AA2	6	Each	High Mast Luminaire Assembly with Two, LED, 400 Watt Equivalent Luminaires
750A261 AA2	28	Each	High Mast Luminaire Assembly with Three, LED, 400 Watt Equivalent Luminaires