

INVITATION TO BID  
OFFICE OF THE CENTRAL FLORIDA EXPRESSWAY AUTHORITY  
ORLANDO, FLORIDA

Sealed Bids for the work generally described below will be received on September 9, 2015, in the headquarters office of the Central Florida Expressway Authority, 4974 ORL Tower Road Orlando, Florida 32807 until 1:30 p.m., Orlando local time, as shown on the time/date stamp clock at the receptionist's desk in the lobby. The clock will serve as the official instrument to determine when a bid is received. A submittal that is received after the date/time specified will be rejected. Rejection of a submittal under those circumstances shall not be the basis of a protest pursuant to the Authority's Procedure for Resolution of Protests.

**S.R. 408/S.R. 417 INTERCHANGE IMPROVEMENTS PHASE 1  
PROJECT NO. 253F; CONTRACT NO. 001118**

The work consists of providing all labor, materials, equipment and incidentals necessary to construct the six lane widening of S.R. 417 from south of Curry Ford Road to S.R. 408, including bridge widenings over Lake Underhill Road and Econlockhatchee Trail, along with construction of sound walls, MSE walls and highway lighting in Orange County, Florida.

The Contract time for this project will be 480 calendar days.

At the time of Bid submittal, Bidder as the "prime" contractor must be prequalified by the Florida Department of Transportation under Administrative Rule 14-22, Florida Administrative Code, in the combination of Grading, Drainage, and Flexible Paving. A copy of the Bidder's current Certificate of Qualification in the specified classes of work shall be submitted with the Bid. Failure to submit the certificates may result in rejection of the Bid. Prequalification is required irrespective of the contract amount.

Bidder shall comply with the applicable provisions of the Fair Labor Standards Act.

The Central Florida Expressway Authority, in accordance with the Provisions of Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e et seq., the Florida Civil Rights Act of 1992, as amended, § 760.10 et seq., Fla. Stat. (1996), and other federal and state discrimination statutes, prohibits discrimination on the basis of race, color, sex, age, national origin, religion, and disability or handicap. The Authority notifies all Bidders and individuals it requires and encourages equal employment opportunity for minority and women as employees and subcontractors.

The Authority notifies all Bidders it encourages small, minority and women owned businesses to have full opportunity to submit Bids in response to this invitation and Bidders will not be discriminated against on the basis of sex, race, color, national origin, religion or disability, or other protected status. The Authority will require efforts be made to encourage participation of local minority and women business enterprises on contracts considered for an award. Bidders requiring assistance or information

with regard to DBE/MBE/WBE certification and utilization may contact the Authority's Supplier Diversity Department at (407) 690-5000.

The M/WBE participation objective for this project is fifteen percent (15%). Only M/WBEs certified by one or more of the following agencies at the time the Bid is submitted may be counted toward the objective: Orange County, Florida; the City of Orlando, Florida; Florida Department of Transportation. Firms certified by the Florida Department of Transportation as a Disadvantaged Business Enterprise (DBE) will be accepted but must be a minority or women owned business.

Bidders are advised that assistance in obtaining M/WBE contractors for Bid solicitations may be obtained from the following sources:

1. Florida Department of Transportation  
Minority Affairs Office  
Phone 850/414-4750
  
2. Orange County M/WBE Department  
69 East Pine Street  
Orlando, Florida 32801  
Phone 407/836-7317
  
3. City of Orlando  
Minority Business Enterprises  
City Hall, Seventh Floor  
400 South Orange Avenue  
Orlando, Florida 32801  
Phone 407/246-2623

The Authority's Executive Director may grant a partial or complete waiver of the M/WBE objectives for any contract due to consideration of property, public safety, and health, including financial impact to the Authority.

From the first date of publication of this invitation, no person may contact any Authority Board Member, Officer or Employee with respect to this invitation or the services to be provided. Reference is made to the lobbying guidelines of the Authority for further information regarding this Non-Solicitation Provision.

All work shall be done in accordance with the Bidding Documents of the Central Florida Expressway Authority.

It is the Authority's intent to award the project to the lowest responsive and responsible Bidder. The Authority specifically reserves the right to take a Bidder's past performance with the Authority (and others) into consideration in determining whether the Bidder and Bid are responsive, responsible and qualified and most advantageous to the Authority.

By submitting its Bid, the Bidder is signifying its awareness and understanding that the Bid process will be subject in all respects to the provisions of applicable laws, rules and regulations and the policies of the Authority (as they may be amended or modified from time to time).

Pursuant to Florida Statutes, Section 119.07(1), upon the earlier to occur of (i) Authority's Notice of Award of the contract, or (ii) thirty days after Bid opening, all Bids submitted pursuant to this Invitation to Bid (including all components thereof and all other materials submitted in connection therewith) shall become public records. Thereafter (with very limited exceptions) all Bids, proposals, documents, letters, software and other materials submitted to the Authority by on behalf of any Bidder (including material that a Bidder may consider confidential or proprietary) may be inspected, examined and copied by any person desiring to do so in accordance with Florida Statutes, Chapter 119. It is not necessary for any person to obtain the consent of the Authority, or the Bidder, to exercise its right under Chapter 119.

Any Bidder adversely affected by: (i) Bid specifications, (ii) a notice of an intended decision (including, but not limited to, a Notice of Intent to Award or Notice of Intent to Reject), or (iii) a decision (including, but not limited to a Notice of Award of Contract), who desires to protest must comply with the proper procedures in the Central Florida Expressway Authority's Procedure for Resolution of Protests, Rule Chapter 3-1, which is available for review upon request at the Authority's Office, 4974 ORL Tower Road, Orlando, Florida. Failure to comply with Rule Chapter 3-1 shall constitute a waiver of any right to initiate protest proceedings. A protest bond in the amount of \$5,000.00 is required to protest the Bid package or Bid solicitation. A protest bond in the amount of \$5,000.00, or 1% of the lowest bid submitted, whichever is greater, will be required to protest a Notice of Award or Notice of Rejection of Bids.

The Bidding Documents for this Project consist of the specifications and the construction plans set which may be downloaded from Doing Business With Us at [www.cfxway.com/DoingBusinessWithUs/Procurement/ProcurementAccountLogineProcurementRegistrati.aspx](http://www.cfxway.com/DoingBusinessWithUs/Procurement/ProcurementAccountLogineProcurementRegistrati.aspx), commencing August 3, 2015. Registration is required in order to download.

A pre-bid meeting will be held on August 17, 2015, beginning at 10:00 a.m., in the Authority's office at the address shown above. The purpose of the meeting will be to discuss requirements of the project in an open forum. Although not mandatory, attendance at the pre-bid meeting is highly recommended.

Each Bid must be submitted in a separate sealed envelope with the name of the Bidder, Bidder's address, and the project number written on the outside. For information and question submission concerning this project during the Bidding process, email: [Constructionproject253F@cfxway.com](mailto:Constructionproject253F@cfxway.com)

Proposals must be accompanied by a Proposal Guaranty or Cashier's Check, made payable to the Central Florida Expressway Authority, of not less than five percent (5%) of the total Bid. The Guaranty shall be forfeited as liquidated damages if the Proposal is accepted and the Successful

Bidder fails to execute the Contract under the conditions of the Proposal and said guaranty will be returned to the Successful Bidder upon the delivery of a satisfactory Public Construction Bond.

All Bids shall remain open for acceptance by the Authority for ninety (90) calendar days after the day of the Bid opening. The right is reserved by the Authority to reject any or all Bids.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Claude Miller  
Director of Procurement

**\* ORIGINAL QUANTITIES \***  
**CFX PROJECT NO. 408-253F; CONTRACT NO. 001118**  
**S.R. 408/S.R. 417 INTERCHANGE IMPROVEMENTS PHASE I**

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
101-1	1	LS	MOBILIZATION
102-1	1	LS	MAINTENANCE OF TRAFFIC
102-71-14	426	LF	BARRIER WALL, TEMPORARY, F&I, TYPE K
102-99	100	ED	PORTABLE CHANGEABLE MESSAGE SIGN (TEMPORARY)
104-20	1	LS	EROSION AND SEDIMENT CONTROL
107-2	1	LS	MOWING
110-1-1	1	LS	CLEARING & GRUBBING
110-20	5,877	SF	REMOVAL OF EXISTING WALL
110-3	3,706	SF	REMOVAL OF EXISTING STRUCTURE
120-1	63,054	CY	REGULAR EXCAVATION
120-6	183,930	CY	EMBANKMENT
160-4	77,801	SY	STABILIZATION TYPE B
270-13	1,094	SY	SOIL CEMENT BASE, PRIMED, 13" 300 PSI
285-702	537	SY	BASE, BASE GROUP 2 (5" LIMEROCK LBR 100)
285-705	5,161	SY	BASE, BASE GROUP 5 (7" LIMEROCK LBR 100)
285-707	23,702	SY	BASE, BASE GROUP 7 (8.5" LIMEROCK LBR 100)
285-708	1,388	SY	BASE, BASE GROUP 8 (9.5" LIMEROCK LBR 100)
285-709	38,717	SY	BASE, BASE GROUP 9 (10" LIMEROCK LBR 100)
327-70-1	4,693	SY	MILLING EXISTING ASPHALT PAVT (1" AVG DEPTH)
327-70-17	30,751	SY	MILLING EXISTING ASPHALT PAVT (3 1/4" AVG DEPTH)
327-70-19	1,597	SY	MILLING EXISTING ASPHALT PAVT (3/4" AVG DEPTH)
327-70-6	2,457	SY	MILLING EXISTING ASPHALT PAVT (1 1/2" AVG DEPTH)
334-1-13	1,924.0	TN	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)
334-1-14	10,199.6	TN	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC D)
334-1-23	1,182.4	TN	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C) (PG 76-22)
334-1-24	12,045.1	TN	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC D) (PG 76-22)
337-7-22	3,669.9	TN	ASPHALT CONCRETE FRICTION COURSE - FC-5 (PG 76-22) (BLACK GRANITE)
337-7-32	335.5	TN	ASPHALT CONCRETE FRICTION COURSE - TRAFFIC C / RUBBER, FC-9.5
339-1	476.1	TN	MISCELLANEOUS ASPHALT PAVEMENT (100 LB/SY)
400-1-2	19.2	CY	CONCRETE CLASS I (ENDWALLS)

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400-143	34,283	SF	CLEAN AND COAT CONCRETE SURFACE, CLASS 5
400-147	39	CF	COMPOSITE NEOPRENE BEARING PADS
400-2-10	576	CY	CONCRETE CLASS II (APPROACH SLABS)
400-2-4	1,212	CY	CONCRETE CLASS II (SUPERSTRUCTURE)
400-4-25	292	CY	CONCRETE CLASS IV (MASS SUBSTRUCTURE)
400-4-5	553	CY	CONCRETE CLASS IV (SUBSTRUCTURE)
400-7	2,829	SY	BRIDGE DECK GROOVING - DECK THICKNESS < 8.5"
400-9	1,812	SY	BRIDGE DECK GROOVING AND PLANING
415-1-4	286,483	LBS	REINFORCING STEEL (SUPERSTRUCTURE)
415-1-5	166,501	LBS	REINFORCING STEEL (SUBSTRUCTURE)
415-1-9	107,410	LBS	REINFORCING STEEL (APPROACH SLABS)
425-11	2	EA	DRAINAGE STRUCTURE - MODIFY EXISTING (MANHOLE J-8)
425-1-529	1	EA	INLETS (TYPE C DITCH BOTTOM)(MODIFY)(<10')
425-1-549	1	EA	INLETS (TYPE D DITCH BOTTOM)(MODIFY)(<10')
425-1-551	6	EA	INLETS (TYPE E DITCH BOTTOM)(<10')
425-1-552	1	EA	INLETS (TYPE E DITCH BOTTOM)(>10')
425-1-553	4	EA	INLETS (TYPE E DITCH BOTTOM)(J BOT <10')
425-1-701	12	EA	INLETS (GUTTER TYPE S)(<10')
425-1-702	1	EA	INLETS (GUTTER TYPE S)(>10')
425-1-703	4	EA	INLETS (GUTTER TYPE S)(J BOT <10')
425-1-704	2	EA	INLETS (GUTTER TYPE S)(J BOT >10')
425-1-801	3	EA	INLETS (MEDIAN BARRIER TYPE 1)(<10')
425-1-803	14	EA	INLETS (MEDIAN BARRIER TYPE 1)(J BOT <10')
425-1-804	3	EA	INLETS (MEDIAN BARRIER TYPE 1)(J BOT >10')
425-1-811	1	EA	INLETS (MEDIAN BARRIER TYPE 2)(<10')
425-1-813	1	EA	INLETS (MEDIAN BARRIER TYPE 2)(J BOT <10')
425-1-891	7	EA	INLETS (BARRIER WALL INLET)(<10')
425-1-892	2	EA	INLETS (BARRIER WALL INLET)(>10')
425-1-893	5	EA	INLETS (BARRIER WALL INLET)(J BOT <10')
425-1-894	5	EA	INLETS (BARRIER WALL INLET)(J BOT >10')

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425-2-61	1	EA	MANHOLES (P-8)(<10')
425-2-62	1	EA	MANHOLES (P-8)(>10')
425-2-72	1	EA	MANHOLES (J-7)(>10')
425-2-91	2	EA	MANHOLES (J-8)(<10')
425-2-92	10	EA	MANHOLES (J-8)(>10')
430-175-115	13	LF	PIPE CULVERT (SRCP) (STORM AND CROSS DRAIN) (ROUND) (15")
430-175-118	4,567	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(18")
430-175-118A	359	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(INCL SLEEVE)(18")
430-175-124	2,498	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(24")
430-175-124A	95	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(INCL SLEEVE)(24")
430-175-130	260	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(30")
430-175-136	341	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(36")
430-175-142	1,462	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(42")
430-175-148	175	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(48")
430-175-148A	259	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(INCL SLEEVE)(48")
430-175-172	272	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(72")
430-175-272	33	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ELLIPTICAL)(58"X91")
430-185-130	516	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(JACK & BORE)(30")
430-185-142	264	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(JACK & BORE)(42")
430-185-166	946	LF	PIPE CULVERT (SRCP)(STORM AND CROSS DRAIN)(ROUND)(JACK & BORE)(66")
430-611-125	1	EA	U-ENDWALL (STD 261)(BAFFLES)(1:4)(18")
430-611-225	1	EA	U-ENDWALL (STD 261)(BAFFLES)(1:3)(18")
430-94-1	915	LF	DESILTING PIPE, 0 - 24"
430-94-2	911	LF	DESILTING PIPE, 25 - 36"
430-94-3	341	LF	DESILTING PIPE, 37 - 48"
430-982-125	4	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(18")
430-982-129	2	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(24")
430-982-133	1	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(30")
430-982-138	1	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(36")
430-982-140	3	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(42")

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430-982-141	1	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(48")
430-982-145	1	EA	MITERED END SECTION (CROSS DRAIN)(OPTIONAL ROUND)(72")
430-984-645	1	EA	MITERED END SECTION (SIDE DRAIN)(OPTIONAL ELLIPTICAL)(58"X91")
430-999	2,167	LF	VIDEO TAPE EXISTING DRAINAGE STRUCTURES
450-1-4	2,293	LF	PRESTRESSED BEAM (AASHTO TYPE V)
450-2-45	1,018	LF	PRESTRESSED BEAM (FL I-BEAM)(45")
450-2-63	1,114	LF	PRESTRESSED BEAM (FL I-BEAM)(63")
455-133-2	48,919	SF	STEEL SHEET PILING (TEMPORARY - CRITICAL)
455-143-3	405	LF	TEST PILES (CONCRETE) (18" SQUARE)
455-143-5	505	LF	TEST PILES (CONCRETE) (24" SQUARE)
455-144-8	678	LF	TEST PILES (STEEL) (HP 14 X 117)
455-18	4	EA	PROTECTION OF EXISITING STRUCTURES
455-34-3	3,665	LF	PRESTRESSED CONCRETE PILING (18" SQUARE)
455-34-5	2,942	LF	PRESTRESSED CONCRETE PILING (24" SQUARE)
455-35-8	5,591	LF	PILING, STEEL (HP 14 X 117)
458-1-11	459	LF	BRIDGE DECK EXPANSION JOINT, NEW (POURED)
458-1-12	120	LF	BRIDGE DECK EXPANSION JOINT, NEW (STRIP SEAL JOINT SYSTEM)
458-1-21	335	LF	BRIDGE DECK EXPANSION JOINT, REHAB (POURED)
458-1-22	173	LF	BRIDGE DECK EXPANSION JOINT, REHAB (STRIP SEAL JOINT SYSTEM)
459-71	1,010	SY	POLYETHYLENE SHEETING ON CONCRETE PILES
520-1-10	66	LF	CONCRETE CURB & GUTTER, TYPE F
520-6	3,035	LF	SHOULDER GUTTER, CONCRETE
521-1	4,678	LF	MEDIAN CONCRETE BARRIER WALL
521-5-1	2,729	LF	CONCRETE TRAFFIC RAILING, BRIDGE (32" F-SHAPE)
521-7-1	1,091	LF	CONCRETE TRAFFIC RAILING BARRIER RETAINING WALL SYSTEM, F SHAPE WITH NOISE WALL, 8'
521-72-11	964	LF	SHOULDER CONCRETE BARRIER WALL, RIGID SHOULDER 54"
521-72-22	707	LF	SHOULDER CONCRETE BARRIER WALL, F SHAPED, WITH 12' SOUND/NOISE WALL
521-72-3	1,933	LF	SHOULDER CONCRETE BARRIER WALL, RIGID-SHOULDER
521-8-1	1,619	LF	CONCRETE TRAFFIC RAILING BARRIER WITH JUNCTION SLAB, 32" F SHAPE
522-1	483	SY	CONCRETE SIDEWALK & DRIVEWAYS, 4" THICK



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ITEM NO.	QUANTITY	UNIT	DESCRIPTION
524-1-1	1,970	SY	CONCRETE DITCH PAVEMENT, NON REINFORCED, 3"
524-2-2	518	SY	CONCRETE SLOPE PAVT, NON REINFORCED, 4"
534-72-100	26	SF	SOUND BARRIER-INC FOUNDATION, ARCHITECTURAL COLUMNS
534-72-101	53,470	SF	SOUND BARRIER-INC FOUNDATION, PERM
536-1-1	6,486.2	LF	GUARDRAIL (ROADWAY)
536-1-3	1,725	LF	GUARDRAIL (DOUBLEFACE) (ROADWAY)
536-73	10,431	LF	GUARDRAIL (REMOVAL)
536-8	4	EA	GUARDRAIL (BRIDGE ANCHORAGE ASSEMBLY)
536-82	12	EA	GUARDRAIL (CONC BARRIER ANCHORAGE ASSEMBLY)
536-85-22	4	EA	GUARDRAIL END ANCHORAGE ASSEMBLY - FLARED
536-85-25	3	EA	GUARDRAIL END ANCHORAGE ASSEMBLY - TYPE II
544-75-1	4	EA	CRASH CUSHION OPTIONAL
546-72-51	3.9	PM	RUMBLE STRIP (GROUND-IN) (16" MIN WIDTH)
548-12	99,133	SF	RETAINING WALL SYSTEM (PERMANENT)
548-13	459	SF	RETAINING WALL SYSTEM (TEMPORARY)
550-10-212	2,740	LF	FENCING, TYPE B, 0'-5.0', W/VINYL COATING
550-10-220	5,873	LF	FENCING, TYPE B, 5.1'-6.0', STANDARD
550-60-211	1	EA	FENCE GATE, TYPE B, SINGLE, 0'-6.0' OPENING
550-60-212	1	EA	FENCE GATE, TYPE B, SINGLE, 6.1'-12.0' OPENING
550-60-222	3	EA	FENCE GATE, TYPE B, DOUBLE, 6.1'-12.0' OPENING
570-1-2	122,039	SY	PERFORMANCE TURF, SOD
600-100	1	EA	INSPECTOR TRAINING FOR TRAFFIC MONITORING STATION
600-101	1	EA	INSPECTOR TRAINING FOR DATA COLLECTION SENSORS
600-102	1	EA	INSPECTOR TRAINING FOR CCTV AND CAMERA LOWERING DEVICE
600-104	1	EA	INSPECTOR TRAINING FOR FIBER OPTIC NETWORK
600-105	1	EA	INSPECTOR TRAINING FOR SYSTEM AUXILIARIES
603A-100	1	LS	CONTINUOUS OPERATION OF EXISTING ITS DEVICES
612-100	1	LS	GEOLOCATION OF ITS EQUIPMENT AND INFRASTRUCTURE
630-2-11	12,832	LF	CONDUIT (F&I) (OPEN TRENCH)
630-2-12	501	LF	CONDUIT (F&I) (DIRECTIONAL BORE)

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630-2-15	1,383	LF	CONDUIT (F&I) (BRIDGE MOUNT)
631-100	8	EA	FIBER OPTIC CABLE INVENTORY
631-101	7	EA	FIBER OPTIC SPLICE HOUSING INVENTORY
633-121-2	1,717	LF	FIBER OPTIC CABLE (SINGLE MODE, 12 FIBER) (F&I)
633-121-4	46,606	LF	FIBER OPTIC CABLE (SINGLE MODE, 72 FIBER) (F&I)
633-121-4T	6,308	LF	TEMPORARY FIBER OPTIC CABLE (SINGLE MODE, 72 FIBER) (F&I)
633-141-3	9	EA	F.O. SPLICE ENCLOSURE(72 SPLICE)(F&I)
633-141-3A	4	EA	EXIST. F.O. SPLICE ENCLOSURE RE-ENTRY (INSTALL)
633-141-3B	1	EA	FIBER OPTIC SPLICE ENCLOSURE (144 SPLICE) (F&I)
633-141-4	655	EA	FIBER OPTIC FUSION SPLICE
633-141-4T	194	EA	TEMPORARY FIBER OPTIC SPLICE
635-1-11	18	EA	PULL BOX (F&I)
635-1-15	6	EA	SMALL FIBER OPTIC PULL BOX (F&I)
635-1-16	16	EA	LARGE FIBER OPTIC PULL BOX (F&I)
635-1-16T	1	EA	TEMPORARY LARGE FIBER OPTIC PULL BOX (F&I)
635-1-60	5	EA	PULL BOX (REMOVE)
635-2-11	78	EA	PULL BOX (F&I) (13"X24")
635-3-11	14	EA	JUNCTION BOX (F&I) (AERIAL)
638-001-0211	1,282	LF	F.O.C.,2-1" HDPE/SDR 11(TRENCH OR PLOW)(F&I)
638-001-0911	10,697	LF	F.O.C., 9-1" HDPE/SDR 11 (TRENCH OR PLOW) (F&I)
638-002-0111	6,472	LF	F.O.C.,1-2" HDPE/SDR 11(TRENCH OR PLOW)(F&I)
638-002-0113	550	LF	1-2" HDPE/SDR 11(BORE)(F&I)
638-140-0011	10	LF	F.O.C.,4" BSP SLEEVE (TRENCH OR PLOW)(F&I)
638-141-0213	300	LF	F.O.C.,4" BSP W/2-1"HDPE/SDR 11(BORE)(F&I)
638-142-0113	1,022	LF	F.O.C., 4" BSP W/1-2" HDPE/SDR 11 (BORE) (F&I)
638-142-0113	240	LF	TEMPORARY F.O.C., 4" BSP W/1-2" HDPE/SDR 11 (BORE) (F&I)
638-161-0413	40	LF	F.O.C., 6" BSP W/4-1" HDPE/SDR 11 (BORE) (F&I)
638-161-0913	2,987	LF	F.O.C., 6" BSP W/9-1" HDPE/SDR 11 (BORE) (F&I)
638-260-0011	10	LF	F.O.C., 6" BSP SPLIT SLEEVE (TRENCH & PLOW)(F&I)
639-1-22	3	AS	ELECTRICAL POWER SERVICE ASSEMBLY (F&I)

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639-1-620	4	AS	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND
639-3-11	6	EA	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT
659-109	6	EA	PRESTRESSED CONCRETE POLE (TYPE II) (12')
663-74-343	1	EA	DATA COLLECTION SENSORS (3-LANE) (RELOCATE)
664-1-140	1	EA	TRAFFIC MONITORING STATION - POLE MOUNTED (F&I)
664-1-140A	4	EA	TRAFFIC MONITORING STATION (RELOCATE)
664-1-140B	1	EA	TRAFFIC MONITORING STATION - POLE MOUNTED (ADJUST)
664-3-140	1	EA	TRAFFIC MONITORING STATION (30' POLE) (F&I)
668-13	3	EA	TYPE 170 CABINET (POLE MOUNTED) (F&I)
668-13B	2	EA	TYPE 170 CABINET (POLE MOUNTED) (RELOCATE)
668-16B	1	EA	TYPE 170 CABINET (BASE MOUNTED) (RELOCATE)
668-60	3	EA	TYPE 170 CABINET (REMOVE)
678-1-11	4	EA	DRY-TYPE STEP UP/DOWN TRANSFORMER (F&I)
683-101	2	EA	ETHERNET FIELD SWITCH (F&I)
683-101A	3	EA	ETHERNET FIELD SWITCH (RELOCATE)
683-103	2	EA	HARDENED TERMINAL SERVER (F&I)
683-103B	3	EA	HARDENED TERMINAL SERVER (RELOCATE)
683-105A	3	EA	FIBER OPTIC PATCH PANEL - 12 PORT (RELOCATE)
683-110A	12	EA	CUT-TO-LENGTH FIBER OPTIC JUMPER (RELOCATE)
685-101	2	EA	UNINTERRUPTIBLE POWER SUPPLY (F&I)
685-101A	6	EA	REMOTE POWER MANAGER/ENVIRONMENTAL SENSOR (F&I)
685-101B	3	EA	UNINTERRUPTIBLE POWER SUPPLY (RELOCATE)
686-101	4	EA	CCTV FIELD ASSEMBLY (F&I)
686-105	1	EA	CCTV LOWERING SYSTEM (50' POLE) (F&I)
686-105B	2	EA	CCTV LOWERING SYSTEM (50' POLE) (RELOCATE)
690-32-1	4	EA	POLE REMOVAL, SHALLOW, DIRECT BURIAL
700-1-11	6	AS	SINGLE POST SIGN, F&I , UP TO 12 SF
700-1-12	8	AS	SINGLE POST SIGN, F&I , 12-20 SF
700-1-13	1	AS	SINGLE POST SIGN, F&I , SPECIAL ES-1A
700-1-22	4	AS	SINGLE POST SIGN, F&I, WALL MOUNT (INDEX 11871),12-20SF

**\* ORIGINAL QUANTITIES \***  
**CFX PROJECT NO. 408-253F; CONTRACT NO. 001118**  
**S.R. 408/S.R. 417 INTERCHANGE IMPROVEMENTS PHASE I**

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
700-1-50	3	AS	SINGLE POST SIGN, RELOCATE
700-1-60	6	AS	SINGLE POST SIGN, REMOVE
700-1-74	1	AS	SINGLE POST SIGN, F&I, 31 + SF, SPECIAL RCM
700-2-13	2	AS	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-50 SF
700-2-16	1	AS	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF
700-2-50	1	AS	MULTI- POST SIGN, F&I GROUND MOUNT,RELOCATE
700-2-60	3	AS	MULTI-POST SIGN, REMOVE
700-3-102	2	EA	SIGN PANEL, F&I, GROUND MOUNT, 12-20 SF
700-3-104	2	EA	SIGN PANEL, F&I, GROUND MOUNT, 31-50 SF
700-3-203	2	EA	SIGN PANEL, F&I, OH MOUNT, 21-30 SF
700-3-204	1	EA	SIGN PANEL, F&I, OH MOUNT, 31-50 SF
700-3-206	2	EA	SIGN PANEL, F&I, OH MOUNT, 101-200 SF
700-3-507	2	EA	SIGN PANEL, RELOCATE, 201-300 SF
700-3-604	3	EA	SIGN PANELS, REMOVE, 31-50 SF
700-3-606	2	EA	SIGN PANELS, REMOVE, 101-200 SF
700-4-114DS	1	EA	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT
700-4-125	2	EA	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 51-100 FT
700-4-125DS	1	EA	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 51-100 FT
700-4-620	2	EA	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN
700-48-32	1	EA	SIGN PANELS, OVERLAY, 201-300 SF
700-48-39	6	EA	SIGN PANELS, OVERLAY, 16-100SF
705-11-1	245	EA	DELINEATOR, FLEXIBLE TUBULAR
706-3	2,950	EA	RETRO-REFLECTIVE PAVEMENT MARKER
711-11-102	1.100	GM	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"
711-11-124	2,389	LF	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"
711-11-224	1,300	LF	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"
711-15-101	0.409	GM	THERMOPLASTIC, STD. OPEN GRADED , WHITE, SOLID, 6"
711-15-101A	1.600	GM	THERMOPLASTIC, STD. OPEN GRADED , WHITE, SOLID, 9"
711-15-131	0.352	GM	THERMOPLASTIC, STD. OPEN GRADED , WHITE, SKIP, 9", 10'-30' SKIP
711-15-133	0.227	GM	THERMOPLASTIC, STD. OPEN GRADED , WHITE, SKIP, 12"

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ITEM NO.	QUANTITY	UNIT	DESCRIPTION
711-15-201	1.110	GM	THERMOPLASTIC, STD. OPEN GRADED , YELLOW, SOLID, 6"
711-16-133	0.079	GM	THERMOPLASTIC, STD. OPEN GRADED , WHITE, SKIP, 12", 3'-9' SKIP
713-101-160	18	EA	PREFORMED TAPE , STD., WHITE, MESSAGE
713-101-170	21	EA	PREFORMED TAPE , STD., WHITE, ARROWS
713-102-122	3,900	LF	PREFORMED TAPE, HP, WHITE, SOLID, 8"
713-102-125	778	LF	PREFORMED TAPE, HP, WHITE, SOLID, 18"
713-102-134	1.074	GM	PREFORMED TAPE, HP, WHITE, SKIP , 12"
713-102-211	5.554	NM	PREFORMED TAPE, HP, YELLOW, SOLID, 6"
713-102-222	3,630	LF	PREFORMED TAPE, HP, YELLOW, SOLID, 8"
713-102-225	818	LF	PREFORMED TAPE, HP, YELLOW, SOLID, 18"
713-102-513	4.836	NM	PREFORMED TAPE, HP, WHITE/BLACK CONTRAST, SOLID, 9"
713-102-533	11.326	GM	PREFORMED TAPE, HP, WHITE/BLACK CONTRAST, SKIP, 9"
713-102-538	0.092	GM	PREFORMED TAPE, HP, WHITE/BLACK CONTRAST, SKIP , 12"
713-107	17,596	SF	PREFORMED TAPE, REMOVE
715-1-11	4,486	LF	LIGHTING CONDUCTORS, (F&I), INSUL.. NO. 10 OR <
715-1-12	17,203	LF	LIGHTING CONDUCTORS, (F&I), INSUL.. NO. 8-6
715-1-13	26,073	LF	LIGHTING CONDUCTORS, (F&I), INSUL.. NO. 4-2
715-1-14	7,636	LF	LIGHTING CONDUCTORS, (F&I), INSUL. NO. 1-0
715-1-15	21,747	LF	LIGHTING CONDUCTORS, (F&I), INSUL. NO. 1/0-3/0
715-1-60	7,184	LF	LIGHTING-CONDUCTORS (REMOVE & DISPOSE)
715-1-110	1,905	LF	CONDUCTORS (F&I) (INSULATED) #12 AWG
715-1-113	1,563	LF	CONDUCTORS (F&I) (INSULATED) #6 AWG
715-1-114	5,851	LF	CONDUCTORS (F&I) (INSULATED) #4 AWG
715-1-115	195	LF	CONDUCTORS (F&I) (INSULATED) #2 AWG
715-2-115	3,268	LF	CONDUIT 2" SCHEDULE 40 PVC (UNDERGROUND)(F&I)
715-4-121	9	EA	LIGHT POLE COMPLETE (F&I)(130)(40)
715-4-122	42	EA	LIGHT POLE COMPLETE (F&I)(130)(45)
715-4-600	20	EA	LIGHT POLE COMPLETE (REMOVE)
715-7-11	1	EA	LOAD CENTER (F&I) (SECONDARY VOLTAGE)
715-7-41	3	EA	LOAD CENTER (REMOVE) (SECONDARY VOLTAGE)

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**S.R. 408/S.R. 417 INTERCHANGE IMPROVEMENTS PHASE I**

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
715-11-126	60	EA	LUMINAIRE (F&I) (UNDERDECK) (PENDANT HUNG)
715-11-500	40	EA	LUMINAIRE (REMOVE)
715-16-5	14	EA	LIGHTING, BALLAST REPLACE
715-500-1	56	EA	LIGHT POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL)
715-500-3	16	EA	LIGHT POLE CABLE DISTRIBUTION SYSTEM (WALL MOUNTED)
715-511-120	5	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I)(SINGLE ARM SHOULDER MOUNT)(AL. 20')
715-511-135	7	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I)(SINGLE ARM SHOULDER MOUNT)(AL. 35')
715-513-145	5	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I)(SINGLE ARM WALL MOUNT)(AL. 45')
715-514-145	1	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (DOUBLE ARM WALL MOUNT)(AL. 45')
715-515-135	1	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I)(SINGLE ARM BRIDGE MOUNT)(AL. 35')
715-515-145	2	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I)(SINGLE ARM BRIDGE MOUNT)(AL. 45')
715-517-145	1	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (DOUBLE ARM BRIDGE MOUNT)(AL. 45')
783-8-1	1,090	LF	COMPOSITE CABLE
4210-11	4	EA	FIBER OPTIC M.H. (4'L X 4'W X 4'H) (F&I)
4210-11T	2	EA	TEMPORARY FIBER OPTIC M.H. (4'L X 4'W X 4'H) (F&I)
4210-13	3	EA	CONCRETE M.H. (DOGHOUSE) (4'L X 6.5'W X 6.5'H) (F&I)
4210-13T	2	EA	TEMPORARY M.H. (DOGHOUSE) (4'L X 6.5'W X 6.5'H) (F&I)
4210-60	6	EA	FIBER OPTIC M.H. (4'L X 4'W X 4'H) (REMOVE)
4230-1A	33	EA	TUBULAR ROUTE MARKER (FIBER)
4230-1B	6	EA	TUBULAR ROUTE MARKER (POWER)
999-1	N/A	N/A	ALLOWANCE FOR DISPUTES REVIEW BOARD
999-2	N/A	N/A	WORK ORDER ALLOWANCE

This information is being provided strictly for the convenience of potential bidders, suppliers and other interested parties and is not to be used for bidding purposes. The item numbers, quantities and descriptions provided herein have been taken from the original bidding documents, will not be updated and do not reflect any changes that may have been made by addendum.