

INVITATION TO BID
OFFICE OF THE ORLANDO-ORANGE COUNTY
EXPRESSWAY AUTHORITY
ORLANDO, FLORIDA

Sealed Bids will be received in the office of the Orlando-Orange County Expressway Authority, 4974 ORL Tower Road Orlando, Florida 32807 until 1:30 p.m. (Orlando local time) on January 7, 2013, for the work generally described below.

**S.R. 528 AIRPORT MAINLINE PLAZA CONVERSION TO EXPRESS LANES
PROJECT NO. 528-405; CONTRACT NO. 000864**

The work consists of providing all labor, materials, equipment and incidentals necessary to replace the existing mainline barrier plaza with a split-plaza mainline configuration equipped with express lanes in Orange County, Florida (the "Project").

The Contract time for this project will be 750 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 required certificates may result in rejection of the Bid. Bidder shall use prequalified subcontractors for all classes of work under Rule 14-22 for which the Bidder is not prequalified that exceed \$250,000 in value.

It is also a requirement that the toll plaza work be performed by a company certified at the time of Bid submittal by the State of Florida Department of Business and Professional Regulation Construction Industry Licensing Board as either a Certified General Contractor or Certified Building Contractor. This can be the Bidder, a subcontractor, a joint venture member or a partner. A copy of the current Certificate of Qualification shall be submitted with the Bid. Failure to submit the certificate may result in rejection of the Bid.

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

The Orlando-Orange County 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 Business Development 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 Orlando-Orange County 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 Orlando-Orange County 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 Intent to Award or Notice of Intent to Reject.

The Bidding Documents for this Project consist of the specifications and the construction plans set which may be downloaded from www.ocea.com/DoingBusinessWithUs/Procurement/ProcurementAccountLogineProcurementRegistrati.aspx, commencing November 19, 2012. Registration is required in order to download.

A pre-bid meeting will be held on December 6, 2012, 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:

constructionproject528-405@oocea.com

Proposals must be accompanied by a Proposal Guaranty or Cashier's Check, made payable to the Orlando-Orange County 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.

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY

Claude Miller
Director of Procurement

* ORIGINAL QUANTITIES *

OOCEA PROJECT NO. 528-405; CONTRACT NO. 000864

S.R. 528 AIRPORT MAINLINE PLAZA CONVERSION TO EXPRESS LANES

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
101-1	1	LS	MOBILIZATION
101-1W	1	LS	MOBILIZATION(OUC WATER)
102-1	1	LS	MAINTENANCE OF TRAFFIC
102-2-1	1	LS	SPECIAL DETOUR
102-99	1,460	ED	CHANGEABLE VARIABLE MESSAGE SIGN-TEMP
102-E1	250	HR	MOT FOR ROADWAY REPAIR CONTINGENCY
104-20	1	LS	EROSION AND SEDIMENT CONTROL
107-2	1	LS	MOWING
110-1-1	1	LS	CLEARING & GRUBBING
110-3	1	LS	REMOVAL OF EXISTING STRUCTURES
110-4	4,768	SY	PAVEMENT REMOVAL OF EXISTING CONCRETE
120-1	150,248	CY	EXCAVATION REGULAR
120-6	196,882	CY	EMBANKMENT
160-4	124,769	SY	STABILIZATION TYPE B
285-701	4,632	SY	LIMEROCK BASE (BASE GROUP 1) (4" LBR 100) W/PRIME
285-704	40,149	SY	LIMEROCK BASE (BASE GROUP 4) (6" LBR 100) W/PRIME
285-711	73,544	SY	LIMEROCK BASE (BASE GROUP 11) (10" LBR 100) W/PRIME
327-70-1	39,082	SY	MILLING EXISTING PAVEMENT (1" AVG DEPTH)
327-70-13	81,757	SY	MILLING EXISTING PAVEMENT (1 3/4 " AVG DEPTH)
334-1-13	23,599	TN	SUPERPAVE ASPHALTIC CONC, TRAFFIC C
334-1-23	18,833.2	TN	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (PG 76-22)
334-1-E3	1,000	TN	ROADWAY REPAIR CONTINGENCY
337-7-22	4,697.6	TN	ASPHALTIC CONCRETE FRICTION COURSE- INC BIT/ PG 76-22, FC-5
337-7-30	1,685.4	TN	ASPHALTIC CONCRETE FRICTION COURSE- INC BIT/ RUBBER, FC-9.5
339-1	1,085	TN	MISCELLANEOUS ASPHALTIC PAVEMENT
400-1-2	20.4	CY	CONCRETE CLASS I, END WALLS
400-2-2	13.7	CY	CONCRETE CLASS II, END WALLS
400-2-4	560.8	CY	CLASS II CONCRETE (SUPERSTRUCTURE)
400-2-5	212.8	CY	CLASS II CONCRETE (SUBSTRUCTURE)
400-2-10	304.4	CY	CLASS II CONCRETE (APPROACH SLABS)
400-2-11	317.9	CY	CLASS III CONCRETE (RETAINING WALLS)
400-2-25	29	CY	CLASS II CONCRETE (MASS-SUBSTRUCTURE)
400-4-1	546.7	CY	CONCRETE CLASS IV, CULVERTS
400-7	370	SY	BRIDGE DECK GROOVING (DECK THICKNESS < 8.5")
400-9	1,761	SY	BRIDGE DECK GROOVING (DECK THICKNESS > 8.5")
400-10	1	LS	PRECAST PANELS (ARCHITECTURAL)
400-147	11.4	CF	COMPOSITE NEOPRENE PADS
415-1-1	74,082	LB	REINF STEEL- ROADWAY
415-1-3	28,171	LB	REINFORCING STEEL (RETAINING WALLS)
415-1-4	145,665	LB	REINFORCING STEEL (SUPERSTRUCTURE)
415-1-5	43,482	LB	REINFORCING STEEL (SUBSTRUCTURE)
415-1-9	60,407	LB	REINFORCING STEEL (APPROACH SLABS)
425-1-351	1	EA	INLETS, CURB, TYPE P-5, <10'
425-1-451	1	EA	INLETS, CURB, TYPE J-5, <10'

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425-1-461	1	EA	INLETS, CURB, TYPE J-6, <10'
425-1-481	2	EA	INLETS, CURB, TYPE P-8, <10'
425-1-501	2	EA	INLETS (DT BOT) (TYPE A) (<10')
425-1-503	3	EA	INLETS (DT BOT) (TYPE A) (J-BOT)(<10')
425-1-511	9	EA	INLETS (DT BOT) (TYPE B) (<10')
425-1-513	3	EA	INLETS (DT BOT) (TYPE B) (J-BOT)(<10')
425-1-517	1	EA	INLETS (DT BOT) (TYPE B) (SPECIAL)
425-1-521	2	EA	INLETS (DT BOT) (TYPE C) (<10')
425-1-551	2	EA	INLETS (DT BOT) (TYPE E) (<10')
425-1-555	1	EA	INLETS (DT BOT) (PARTIAL)(< 10')
425-1-561	4	EA	INLETS (DT BOT) (TYPE F) (<10')
425-1-701	1	EA	INLETS (GUTTER) (TYPE S) (<10')
425-1-841	5	EA	INLETS (BARRIER WALL)(TYPE 3) (<10')
425-1-843	1	EA	INLETS (BARRIER WALL)(TYPE 3)(J-BOT) (<10')
425-1-851	1	EA	INLETS (BARRIER WALL)(TYPE 4)(<10')
425-1-891	41	EA	INLETS (BARRIER WALL) (<10')
425-1-892	2	EA	INLETS (BARRIER WALL) (>10')
425-1-893	5	EA	INLETS (BARRIER WALL)(J-BOT)(<10')
425-2-41	2	EA	MANHOLES (P-7)(<10')
425-2-61	1	EA	MANHOLES (P-8)(<10')
425-2-91	1	EA	MANHOLES (J-8)(<10')
425-2-93	7	EA	MANHOLES (J-8)(PARTIAL)(<10')
425-3-83	3	EA	MANHOLES (JUNCTION BOX)(PARTIAL)
430-173-118	120	LF	PIPE CULVERT BCCMP (ROUND) (GUTTER DRAIN)(18")
430-174-124	54	LF	PIPE CULVERT RCP (ROUND) (24" SD)
430-175-115	136	LF	PIPE CULVERT RCP (ROUND) (15" SS)
430-175-118	4,991	LF	PIPE CULVERT RCP (ROUND) (18" SS)
430-175-130	604	LF	PIPE CULVERT RCP (ROUND) (30" SS)
430-175-136	555	LF	PIPE CULVERT RCP (ROUND) (36" SS)
430-175-160	112	LF	PIPE CULVERT RCP (ROUND) (60" SS)
430-611-123	1	EA	U-ENDWALL WITH BAFFLES (1:4 SLOPE) (15")
430-611-125	2	EA	U-ENDWALL WITH BAFFLES (1:4 SLOPE) (18")
430-611-129	1	EA	U-ENDWALL WITH BAFFLES (1:4 SLOPE) (24")
430-611-225	3	EA	U-ENDWALL WITH BAFFLES (1:3 SLOPE) (18")
430-611-229	1	EA	U-ENDWALL WITH BAFFLES (1:3 SLOPE) (24")
430-611-233	2	EA	U-ENDWALL WITH BAFFLES (1:3 SLOPE) (30")
430-830	20	CY	PIPE FILLING AND PLUGGING - PLACE OUT OF SERVICE
430-950	209	CY	DESILTING CONCRETE BOX CULVERT
430-982-125	2	EA	MITERED END SECTION (OPTIONAL ROUND) (18" CD)
430-982-138	1	EA	MITERED END SECTION (OPTIONAL ROUND) (36" CD)
430-984-129	4	EA	MITERED END SECTION (OPTIONAL ROUND) (24" SD)
430-999	5,630	LF	VIDEO INSPECT EXISTING PIPE
436-1-1	1,075	LF	TRENCH DRAIN (STANDARD)
440-1-50	4,918	LF	UNDERDRAIN (TYPE V)

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440-73-2	95	LF	UNDERDRAIN OUTLET PIPE (6")
440-73-3	140	LF	UNDERDRAIN OUTLET PIPE (8")
450-2-54	2,155	LF	PRESTRESSED BEAM (TYPE FIB-54)
455-34-3	4,995	LF	PRESTRESSED CONCRETE PILING (18" SQ)
455-143-3	775	LF	TEST PILES PRESTRESSED CONCRETE (18" SQ)
458-1-11	297	LF	BRIDGE DECK EXPANSION JOINT (NEW CONSTR.-F&R) POUR JOINT
459-71	569	SY	PILES, POLYETHYLENE SHEETING
520-1-10	372	LF	CONCRETE CURB AND GUTTER TYPE F
520-6	317	LF	SHOULDER GUTTER CONCRETE
521-1	2,859	LF	BARRIER WALL, CONCRETE (MEDIAN)
521-1-1	945	LF	BARRIER WALL, CONCRETE (MEDIAN PRECAST)
521-5-1	985	LF	CONCRETE TRAFFIC RAILINGS - BRIDGE (32" F-SHAPE)
521-8-1	4,364	LF	BARRIER WALL, CONCRETE TRAFFIC RAILING- W/ JUNCTION SLAB
521-72-3	4,992	LF	BARRIER WALL, CONCRETE (RIGID SHOULDER)
522-1	30	SY	CONCRETE SIDEWALK (4")
522-2	16	SY	CONCRETE SIDEWALK (6")
530-1	22.1	TN	RIPRAP (SAND CEMENT)
530-3-4	557	TN	RIPRAP (RUBBLE)(DITCH LINING)
536-1-1	18,750	LF	GUARDRAIL (ROADWAY)
536-7	6	EA	SPECIAL GUARDRAIL POST
536-8	9	EA	GUARDRAIL BRIDGE ANCHORAGE ASSEMBLY
536-73	15,327	LF	GUARDRAIL (REMOVAL)
536-85-22	7	EA	GUARDRAIL END ANCHORAGE ASSEMBLY (FLARED) (SRT-350 ONLY)
536-85-24	1	EA	GUARDRAIL END ANCHORAGE ASSEMBLY (PARALLEL) (ET-2000 ONLY)
536-85-25	6	EA	GUARDRAIL END ANCHORAGE ASSEMBLY (TYPE II)
539-75-111	602	LF	GLARE SCREEN, (F & I)(MODULAR)(18")
544-75-14	3	EA	CRASH CUSHION - VEHICULAR IMPACT ATTENUATOR, QUADGUARD OR TAU II
546-72-51	5.63	PM	RUMBLE STRIPS (GROUND-IN)(16" MIN)
548-12	90,092	SF	RETAINING WALLS SYSTEM- (PERMANENT) EXCLUDING SLEEPER
550-10-212	3,362	LF	FENCING, TYPE B (4' HIGH)(BLACK VINYL)
550-10-222	3,323	LF	FENCING, TYPE B (6' HIGH)(BLACK VINYL)
550-60-224	3	EA	FENCE GATE, TYPE B (DBL, 20' OPENING)
555-1	884	LF	DIRECTIONAL BORE (F & I)
555-1-1	2,300	LF	DIRECTIONAL BORE (LESS THAN 6")
555-1-2	240	LF	DIRECTIONAL BORE (6" TO 12")
556-1-5	163	LF	JACK AND BORE, CASING DIAMETER 24" TO <36"
560-3	2	EA	SIGN STRUCTURE PAINTING
570-1-2	129,316	SY	PERFORMANCE TURF (SOD)(BAHIA)
603A-100	1	LS	CONTINUOUS OPERATION OF EXISTING ITS INVENTORY
612-100	1	LS	GEOLOCATION OF ITS EQUIPMENT AND INFRASTRUCTURE
630-1-12	3,085	LF	SIGNALS- CONDUIT (F&I) (UNDERGROUND)
630-1-14	1,235	LF	SIGNALS- CONDUIT (F&I) (UNDERGROUND - JACKED)
631-100	3	EA	FIBER OPTIC CABLE INVENTORY
631-101	2	EA	FIBER OPTIC SPLICE HOUSING INVENTORY

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ITEM NO.	QUANTITY	UNIT	DESCRIPTION
632-7-1	2	PI	SIGNALS - CABLE (F&I)
633-121-2	2,269	LF	FIBER OPTIC CABLE (F&I) (SINGLE MODE) (72 FIBERS)
633-121-4	44,941	LF	FIBER OPTIC CABLE (F&I) (SINGLE MODE) (144 FIBERS)
633-121-4T	19,392	LF	TEMP FIBER OPTIC CABLE (F&I) (SINGLE MODE) (144 FIBERS)
633-123-3	755	LF	SIGNALS - FIBER OPTIC CABLE (F&I) (UG) (49 TO 96 FIBERS)
633-141-3	16	EA	FIBER OPTIC FUSION SPLICE ENCLOSURE(72 SPLICE)(F& I)
633-141-3A	1	EA	FIBER OPTIC FUSION SPLICE ENCLOSURE(EXISTING RE-ENTRY)
633-141-3B	1	EA	FIBER OPTIC FUSION SPLICE ENCLOSURE(144 SPLICE)(F& I)
633-141-3T	12	EA	TEMP FIBER OPTIC FUSION SPLICE ENCLOSURE(72 SPLICE)(F& I)
633-141-4	788	EA	FIBER OPTIC FUSION SPLICE
633-141-4T	1,152	EA	TEMP FIBER OPTIC FUSION SPLICE
635-1-11	66	EA	PULL & JUNCTION BOXES (F&I) (PULL BOX)
635-1-15	10	EA	SMALL PULL BOX (F&I) (FIBER OPTIC)
635-1-15T	1	EA	TEMP SMALL PULL BOX (F&I) (FIBER OPTIC)
635-1-16	1	EA	LARGE PULL BOX (F&I) (FIBER OPTIC)
635-1-16T	8	EA	TEMP LARGE PULL BOX (F&I) (FIBER OPTIC)
638-001-0211	1,104	LF	FIBER OPTIC CONDUIT (2-1" HDPE/SDR II) (TRENCH)
638-001-0311T	2,982	LF	TEMP FIBER OPTIC CONDUIT (2-1" HDPE/SDR II) (TRENCH)
638-001-0911	12,940	LF	FIBER OPTIC CONDUIT (9-1" HDPE/SDR II) (TRENCH OR PLOW)
638-001-0313T	670	LF	TEMP FIBER OPTIC CONDUIT (6" BSP W/3-1" HDPE/SDR II) (DIRECTIONAL BORE)
638-161-0413	330	LF	FIBER OPTIC CONDUIT (4-1" HDPE/SDR II) (DIRECTIONAL BORE)
638-161-0913	1,471	LF	FIBER OPTIC CONDUIT (9-1" HDPE/SDR II) (DIRECTIONAL BORE)
638-261-0211	16	LF	FIBER OPTIC 6" BSP SPLIT OUTER DUCT W/CONDUIT 2-1" HDPE/SDT II, TRENCH
638-261-0911	1,107	LF	FIBER OPTIC 6" BSP SPLIT OUTER DUCT W/CONDUIT 9-1" HDPE/SDT II, TRENCH
638-341-0211	11	LF	FIBER OPTIC 4" PVC OUTER DUCT W/CONDUIT 2-1" HDPE/SDR II, TRENCH
638-341-0411	100	LF	FIBER OPTIC 4" PVC OUTER DUCT W/CONDUIT 4-1" HDPE/SDR II, TRENCH
638-361-0911	160	LF	FIBER OPTIC 6" PVC OUTER DUCT W/CONDUIT 9-1" HDPE/SDR 13.5, TRENCH
638-461-0914	253	LF	FIBER OPTIC 6" BRFG OUTER DUCT W/9-1" HDPE/SDR II, INSTELL ON BRIDGE
639-1-12	1	AS	SIGNALS - ELECTRICAL POWER SERVICE (OVERHEAD) (PURCHASE)
639-1-22	7	EA	ELECTRICAL POWER SERVICE (UNDERGROUND)(F&I)
639-1-23	1	EA	SIGNALS - ELECTRICAL POWER SERVICE (UNDERGROUND)
639-2-1	345	LF	SIGNALS - ELECTRICAL SERVICE WIRE (F&I)
639-3-11	17	EA	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE)
641-2-12	2	EA	PRESTRESSED CONCRETE POLE (F & I)(TYPE P-1 SERVICE POLE)
641-11-110	1	EA	CONCRETE POLE (F&I)(TYPE N-11)(10')
646-1-11	2	EA	ALUMINUM SIGNALS POLE (F & I)(PEDESTAL)
649-31-202	1	EA	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM)
649-31-203	1	EA	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM)
649-31-204	1	EA	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM)
649-31-208	1	EA	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM W/ LUMINAIRE)
649-31-299	1	EA	STEEL MAST ARM ASSEMBLY (F&I) (CUSTOM W/ LUMINAIRE)
650-1-311	16	AS	TRAFFIC SIGNAL (F&I) (3 SECTION) (1 DIRECTION)
650-1-511	1	AS	TRAFFIC SIGNAL (F&I) (5 SECTION) (1 DIRECTION)
659-109	16	EA	CONCRETE PEDESTAL POLES (F&I)

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660-1-103	12	EA	LOOP DETECTOR, INDUCTIVE (F&I) (TYPE 3, 1 CH, SS, S)
660-1-106	2	EA	LOOP DETECTOR, INDUCTIVE (F&I) (TYPE 6, 1 CH, SS, S, TD)
660-2-102	11	AS	LOOP ASSEMBLY (F&I) (TYPE B)
660-2-106	13	AS	LOOP ASSEMBLY (F&I) (TYPE F) (6' X 40')
663-74-144	1	EA	DATA COLLECTION SENSORS (4 LANE) (F&I)
663-74-145	1	EA	DATA COLLECTION SENSORS (5 LANES) (F&I)
664-1-140A	7	EA	TRAFFIC MONITORING STATION - POLE MOUNTED, RELOCATE
664-1-140B	4	EA	TRAFFIC MONITORING STATION - POLE MOUNTED, ADJUST
664-3-140	1	EA	TRAFFIC MONITORING STATION, 26' POLE, F & I
668-13	9	EA	TYPE 170 CABINET (POLE MOUNTED)(F &I)
670-5-110	1	AS	TRAFFIC CONTROLLER ASSEMBLY (F&I) (NEMA) (NONE)
670-5-410	2	AS	TRAFFIC CONTROLLER ASSEMBLY (MODIFY) (NEMA) (NONE)
678-1-111	4	EA	TRANSFORMER (120V/480V) (F&I)
683-101	12	EA	ETHERNET SWITCH (F&I)
683-103	9	EA	TERMINAL SERVER (F & I)
683-105	9	EA	FIBER OPTIC PATCH PANEL(12 PORT) (F&I)
683-106	8	EA	FIBER OPTIC PATCH PANEL(72 PORT) (F&I)
683-110	340	LF	CUT-TO-LENGTH FIBER OPTIC JUMPERS (F&I)
685-101	9	EA	UNINTERRUPTABLE POWER SUPPLY (F&I)
685-101A	6	EA	REMOTE POWER MANAGER (F&I)
685-102	2	EA	COMMUNICATION RACK INSTALLATION (F & I)
685-103	10	EA	CABINET / ENVIROMENTAL MONITOR (F & I)
686-101	3	EA	CCTV FIELD ASSEMBLY (F&I)
686-103	3	EA	CCTV EQUIPMENT ENCODER (F&I)
686-104	3	EA	CCTV MAINTENANCE UNIT (F&I)
686-105	1	EA	CAMERA LOWERING SYSTEM (50' POLE) (F&I)
686-105D	1	EA	CAMERA LOWERING SYSTEM (25' POLE) (F&I)
686-105E	1	EA	CAMERA LOWERING SYSTEM (23' POLE) (F&I)
686-303	1	EA	VIDEO ENCODER (RELOCATE)
690-10	10	EA	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY
690-34-1	4	EA	COMPLETE POLE REMOVAL (DEEP)
690-50	1	EA	REMOVE CONTROLLER ASSEMBLY
690-80	2	EA	REMOVE SPAN WIRE ASSEMBLY
690-90	3	PI	REMOVE CABLING & CONDUIT
690-100	5	PI	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT
699-1-1	6	EA	INTERNALLY ILLUMINATED SIGN (F&I) (STREET NAME)
700-20-11	5	AS	SINGLE POST SIGN (F&I) (LESS THAN 12 SF)
700-20-12	37	AS	SINGLE POST SIGN (F&I) (12-20 SF)
700-20-14	34	AS	SINGLE POST SIGN (F&I) (21-30 SF)
700-20-40	7	AS	SINGLE POST SIGN (RELOCATE)
700-20-60	52	AS	SINGLE POST SIGN (REMOVE)
700-21-11	2	AS	MULTI-POST SIGN (50 OR LESS SF)
700-21-12	2	AS	MULTI-POST SIGN (51-100 SF)
700-21-17	1	AS	MULTI-POST SIGN (>300 SF)

*** ORIGINAL QUANTITIES ***

OOCEA PROJECT NO. 528-405; CONTRACT NO. 000864

S.R. 528 AIRPORT MAINLINE PLAZA CONVERSION TO EXPRESS LANES

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
700-21-40	5	AS	MULTI-POST SIGN (RELOCATE)
700-21-60	5	AS	MULTI-POST SIGN (REMOVE)
700-22-122	1	AS	OVERHEAD TRUSS SPAN SIGN (F&I) (51-100) (301-500)
700-22-123	1	AS	OVERHEAD TRUSS SPAN SIGN (F&I) (51-100) (501-700)
700-22-134	1	AS	OVERHEAD TRUSS SPAN SIGN (F&I) (101-150) (>700)
700-22-144	2	AS	OVERHEAD TRUSS SPAN SIGN (F&I) (151-200) (>700)
700-22-153	1	AS	OVERHEAD TRUSS SPAN SIGN (F&I) (OVER 200) (501-700)
700-22-600	5	AS	OVERHEAD TRUSS SPAN SIGN (REMOVE)
700-23-111	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (30 OR LESS) (< 100)
700-23-112	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (30 OR LESS) (101-200)
700-23-122	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (31-40) (101-200)
700-23-124	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (31-40) (>300)
700-23-132	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (41-50) (101-200)
700-23-134	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (41-50) (>300)
700-23-142	3	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (OVER 50) (101-200)
700-23-143	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (OVER 50) (201-300)
700-23-144	1	AS	OVERHEAD TRUSS CANTILEVER SIGN (F&I) (OVER 50) (>300)
700-23-600	5	AS	OVERHEAD TRUSS CANTILEVER SIGN (REMOVE)
700-46-26	1	AS	EXISTING SIGN (RELOCATE) (BRIDGE MOUNT)
700-48-38	5	EA	SIGN PANEL (OVERLAY) (15 OR LESS SF)
700-48-43	1	EA	SIGN PANEL (RELOCATE) (201-300 SF)
700-48-49	1	EA	SIGN PANEL (RELOCATE) (16-100 SF)
700-89-12	4	EA	DYNAMIC MESSAGE SIGN SYSTEM (LED)(1 LINE)(F &I)
700-89-12 SP	4	EA	DYNAMIC MESSAGE SIGN SYSTEM (SPARE PARTS KIT)
705-11-1	102	EA	DELINEATOR (FLEXIBLE TUBULAR)
706-3	3,981	EA	RETRO-REFLECTIVE PAVEMENT MARKER
711-11-111	1,354	NM	THERMOPLASTIC (STD.) (WHITE) (SOLID) (6")
711-11-122	2,470	LF	THERMOPLASTIC (STD.) (WHITE) (SOLID) (8")
711-11-123	204	LF	THERMOPLASTIC (STD.) (WHITE) (SOLID) (12")
711-11-124	1,076	LF	THERMOPLASTIC (STD.) (WHITE) (SOLID) (18")
711-11-125	329	LF	THERMOPLASTIC (STD.) (WHITE) (SOLID) (24")
711-11-131	0.829	GM	THERMOPLASTIC (STD.) (WHITE) (SKIP 10'-30') (6")
711-11-133	0.104	GM	THERMOPLASTIC (STD.) (WHITE) (SKIP 3'-9') (12")
711-11-151	467	LF	THERMOPLASTIC (STD.) (WHITE) (SKIP 6'-10') (6")
711-11-160	35	EA	THERMOPLASTIC (STD.) (WHITE) (MESSAGE)
711-11-170	55	EA	THERMOPLASTIC (STD.) (WHITE) (ARROWS)
711-11-180	30	LF	THERMOPLASTIC (STD.) (WHITE) (YIELD LINE)
711-11-211	1,483	NM	THERMOPLASTIC (STD.) (YELLOW) (SOLID) (6")
711-11-224	660	LF	THERMOPLASTIC (STD.) (YELLOW) (SOLID) (18")
713-102-112	1,838	NM	PAVEMENT MARKING - PREFORMED TAPE (HP) (WHITE) (SOLID) (8")
713-102-124	1,774	LF	PAVEMENT MARKING - PREFORMED TAPE (HP) (WHITE) (SOLID) (12")
713-102-125	3,045	LF	PAVEMENT MARKING - PREFORMED TAPE (HP) (WHITE) (SOLID) (18")
713-102-134	2,110	GM	PAVEMENT MARKING - PREFORMED TAPE (HP) (WHITE) (SKIP 3'-12') (12")
713-102-211	5,745	NM	PAVEMENT MARKING - PREFORMED TAPE (HP) (YELLOW) (SOLID) (6")

*** ORIGINAL QUANTITIES ***
OOCEA PROJECT NO. 528-405; CONTRACT NO. 000864
S.R. 528 AIRPORT MAINLINE PLAZA CONVERSION TO EXPRESS LANES

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
713-102-222	1,866	LF	PAVEMENT MARKING - PREFORMED TAPE (HP) (YELLOW) (SOLID) (8")
713-102-225	585	LF	PAVEMENT MARKING - PREFORMED TAPE (HP) (YELLOW) (SOLID) (18")
713-102-513	5,710	NM	PAVEMENT MARKING - PREFORMED TAPE (HP) (CONTRAST) (SOLID) (9")
713-102-533	9,549	GM	PAVEMENT MARKING - PREFORMED TAPE (HP) (CONTRAST) (SKIP 10'-30') (9")
713-102-644	618	LF	PAVEMENT MARKING - PREFORMED TAPE (HP) (ALT. WHITE/BLACK) (SKIP 3'-3'-9) (12")
715-1-11	8,250	LF	LIGHTING - CONDUCTORS (FURNISH & INSTALL) (NO. 10 OR SMALLER)
715-1-12	128,320	LF	LIGHTING - CONDUCTORS (FURNISH & INSTALL) (NO. 8 TO NO. 6)
715-1-13	28,805	LF	LIGHTING - CONDUCTORS (FURNISH & INSTALL) (NO. 4 TO NO. 2)
715-1-15	660	LF	LIGHTING - CONDUCTORS (FURNISH & INSTALL) (1/0 - 3/0)
715-1-60	7,650	LF	LIGHTING CONDUCTORS (REMOVE & DISPOSE)
715-1-113	1,263	LF	CONDUCTORS(F & I)(INSULATED)(NO. 6)
715-1-114	2,553	LF	CONDUCTORS(F & I)(INSULATED)(NO. 4)
715-1-115	330	LF	CONDUCTORS(F & I)(INSULATED)(NO. 2)
715-1-116	1,899	LF	CONDUCTORS(F & I)(INSULATED)(NO. 1)
715-1-119	3,933	LF	CONDUCTORS(F & I)(INSULATED)(NO. 3/0)
715-1-120	4,989	LF	CONDUCTORS(F & I)(INSULATED)(NO. 4/0)
715-2-11	39,300	LF	LIGHTING CONDUIT (FURNISH & INSTALL) (UNDERGROUND)
715-2-13	3,190	LF	LIGHTING CONDUIT (FURNISH & INSTALL) (SURFACE MOUNT)
715-2-115	3,933	LF	CONDUIT (F & I)(UNDERGROUND)(2" SCH 40 PVC)
715-2-334	240	LF	CONDUIT (F & I)(SURFACE MOUNT)(RGS)(1 1/2")
715-2-335	90	LF	CONDUIT (F & I)(SURFACE MOUNT)(RGS)(2")
715-4-121	2	EA	LIGHT POLE COMPLETE (FURNISH & INSTALL) STD. POLE, STD. FDN. (130 MPH) (40')
715-4-122	69	EA	LIGHT POLE COMPLETE (FURNISH & INSTALL) STD. POLE, STD. FDN. (130 MPH) (45')
715-4-129	45	EA	LIGHT POLE COMPLETE (FURNISH & INSTALL) STD. POLE, STD. FDN. (130 MPH) (CUSTOM HEIGHT)
715-7-11	11	EA	LOAD CENTER (F & I)(SECONDARY VOLTAGE)
715-11-126	11	EA	LUMINAIRE (UNDERDECK) (PENDANT HUNG)
715-11-129	42	EA	LUMINAIRE (UNDERDECK) (SPECIAL)
715-11-500	18	EA	LUMINAIRE (REMOVE)
715-14-11	350	EA	LIGHTING - PULL BOX (FURNISH & INSTALL) (ROADSIDE)
715-14-14	15	EA	LIGHTING - PULL BOX (FURNISH & INSTALL) (SURFACE MOUNT)
715-19-600	15	EA	HIGH MAST LIGHT POLE, REMOVE
715-500-1	247	EA	LIGHT POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL)
715-500-3	30	EA	LIGHT POLE CABLE DISTRIBUTION SYSTEM (WALL MOUNTED)
715-512-150	12	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (DBL ARM, SHLDR MOUNT) (ALUMINUM) (50')
715-513-135	7	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (SINGLE ARM, WALL MOUNT) (ALUMINUM) (35')
715-516-115	136	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (POLE TOP) (ALUMINUM) (15')
715-518-115	6	EA	LIGHT POLE COMPLETE, SPECIAL DESIGN (F&I) (DBL ARM, POLE TOP MOUNT) (ALUMINUM) (15')
735-73	1	LS	ARCHITECTURAL WORK(INC. MISC. ITEMS)
735-74-1	1	LS	RAMP PLAZA- RAMP C-C
735-74-2	1	LS	MAINLINE EAST BOUND
735-74-3	1	LS	MAINLINE WESTBOUND
741-70-111	14	EA	TMS SITE, CLASS II (F&I) (TYPE I) (HALF LANE WIDTH)
743-70-11	2	AS	TMS SITE, SPEED/CLASSIFICATION UNIT (F&I) (UNIT W/ CABLE)
744-70-11	2	AS	TMS SITE, SOLAR POWER UNIT (F&I) (NEW POLE)

*** ORIGINAL QUANTITIES ***
OOCEA PROJECT NO. 528-405; CONTRACT NO. 000864
S.R. 528 AIRPORT MAINLINE PLAZA CONVERSION TO EXPRESS LANES

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
745-70-12	28	AS	TMS SITE, INDUCTIVE LOOP ASSEMBLY (F&I) (2 LOOPS/LANE)
746-71-112	2	EA	TMS SITE, CABINET (F&I) (TYPE III) (BASE) (TWO)
783-8-1	512	LF	TRAFFIC MONITORING STATION COMPOSITE CABLE, F&I
1050-11-221	40	LF	UTILITY PIPE, F & I, PVC, WATER/ SEWER(0"-1.9")
1050-11-222	2,021	LF	UTILITY PIPE, F & I, PVC, WATER/ SEWER(2"-4.9")
1050-11-324	45	LF	UTILITY PIPE, F & I, PE, WATER/ SEWER(8"-19.9")
1050-11-414	40	LF	UTILITY PIPE, F & I, DI/CI, WATER/ SEWER(8"-19.9")
1050-11-422	60	LF	UTILITY PIPE, F & I, DI/CI, WATER/ SEWER(2"-4.9")
1050-11-425W	2,192	LF	UTILITY PIPE, F & I, DI, WATER (20")
1050-11-512	13	LF	UTILITY PIPE, F & I, STEEL, CASING/ CONDUIT(2"-4.9")
1050-11-514	250	LF	UTILITY PIPE, F & I, STEEL, CASING/ CONDUIT(8"-19.9")
1050-11-515W	363	LF	UTILITY PIPE, F & I, STEEL, CASING/ CONDUIT(30")
1050-15-005W	4	EA	UTILITY PIPE, ADJUST AND MODIFY (20")
1050-16-005W	1,995	LF	UTILITY PIPE, REMOVE AND DISPOSE(20")
1055-11-465W	7.475	TN	UTILITY FITTING, F & I, DI, (20")
1080-11-53W	4	EA	UTILITY FIXTURES, F & I, DI, TAPPING SADDLE/SLEEVE, (20")
1080-11-59W	658	LF	UTILITY FIXTURES, F & I, DI, MECHANICAL JOINT RESTRAINT
1080-11-101	1	EA	UTILITY FIXTURES, F & I, 0"-1.9", VALVE/METER BOX
1080-11-102	1	EA	UTILITY FIXTURES, F & I, 0"-1.9", BACKFLOW ASSEMBLY
1080-11-201W	1	EA	UTILITY FIXTURES, F & I, 2", VALVE/ METER BOX
1080-11-202	2	EA	UTILITY FIXTURES, F & I, 2"-4.9", BACKFLOW ASSEMBLY
1080-11-203	1	EA	UTILITY FIXTURES, F & I, 2"-4.9", TAPPING SADDLE/SLEEVE
1080-11-204	1	EA	UTILITY FIXTURES, F & I, 2"-4.9", VALVE ASSEMBLY
1080-11-206	3	EA	UTILITY FIXTURES, F & I, 2"-4.9", VAC/AIR ASSEMBLY
1080-11-507W	2	EA	UTILITY FIXTURES, F & I, 20", LINE STOP ASSEMBLY
1080-12-504W	4	EA	UTILITY FIXTURES, F & I, 20", VALVE ASSEMBLY
4210-11	25	EA	4'X4'X4' CONCRETE MANHOLE (F&I)
4210-13	3	EA	4'X6.5'X6.5' CONCRETE MANHOLE (DOGHOUSE) (F&I)
4210-13T	1	EA	TEMP 4'X6.5'X6.5' CONCRETE MANHOLE (DOGHOUSE) (F&I)
4210-60	4	EA	MANHOLE (REMOVE)
4230-1	13	EA	TUBULAR ROUTE MARKER

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.