

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE _____ OF _____ PAGES

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY _____ CODE _____	7. ADMINISTERED BY <i>(If other than Item 6)</i> _____ CODE _____		

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(X)	9A. AMENDMENT OF SOLICIATION NO.
		9B. DATED <i>(SEE ITEM 11)</i>
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED <i>(SEE ITEM 11)</i>
CODE _____ FACILITY CODE _____		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>		<i>(Signature of Contracting Officer)</i>	

Item 14. Continued.

CHANGES TO TABLE OF CONTENTS

1. A revised Project Table of Contents is issued with this amendment.

CHANGES TO THE BIDDING SCHEDULE

2. Bidding Schedule.- Replace the Bidding Schedule with the accompanying new Bidding Schedule (pages 00010-1 through 00010-24), bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0015."

WRITE-IN CHANGES TO SECTIONS 00100 and 00700

3. Section 00100, page 100-8 - Delete paragraph "**52.217-5 EVALUATION OF OPTIONS (JUL 1990)**"

4. Section 00700, page 00700-14, paragraph 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT, subparagraph c – Revise subparagraph c, to read as follows:

"(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 60 months."

CHANGES TO THE SPECIFICATIONS

5. New Sections – The following new sections, bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0015" shall be added to and become a part of the contract documents and shall be added to the table of contents:

SECTION 01020 DESCRIPTIONS OF BID ITEMS AND DRAWING DETAILS
SECTION 01415 METRIC MEASUREMENTS

CHANGES TO THE DRAWINGS

6. New Drawings – The following new drawings shall be added to and become a part of the contract documents:

Seq01.cal	Seq 1	AM_1 "TYPE ""A"" INLET"
Seq02.cal	Seq 2	AM_1 "TYPE ""B"" INLET"
Seq03.cal	Seq 3	AM_1 "TYPE ""B-B"" INLET"
Seq04.cal	Seq 4	AM_1 "TYPE ""C"" INLET"
Seq05.cal	Seq 5	AM_1 "PRECAST ALTERNATE TYPE ""C"" INLET"
Seq06.cal	Seq 6	AM_1 "TYPE ""D"" INLET"
Seq07.cal	Seq 7	AM_1 BEEHIVE INLET
Seq08.cal	Seq 8	AM_1 HEADWALL FOR SINGLE PIPE
Seq09.cal	Seq 9	AM_1 DITCH/SWALE INTERCEPTOR STRUCTURE
Seq10.cal	Seq 10	AM_1 BACKSLOPE INTERCEPTOR STRUCTURE
Seq11.cal	Seq 11	AM_1 STORM SEWER SHALLOW MANHOLE
Seq12.cal	Seq 12	AM_1 STORM SEWER 1219MM DIA. PRECAST CONC. MANHOLE
Seq13.cal	Seq 13	AM_1 MANHOLE FRAME AND COVER
Seq14.cal	Seq 14	AM_1 INLET FRAME AND GRATE
Seq15_6.cal	Seq 15	AM_1 STORM SEWER SATISFACTORY SOIL CONDITIONS
Seq16.cal	Seq 16	AM_1 STORM SEWER UNSATISFACTORY SOIL CONDITIONS

Seq17.cal	Seq 17	AM_1 "BORE, JACK & AUGER PIPE"
Seq18.cal	Seq 18	AM_1 ASPHALTIC PAVEMENT REPAIR
Seq19.cal	Seq 19	AM_1 HOT MIX ASPHALTIC CONCRETE PAVEMENT
Seq20.cal	Seq 20	AM_1 CONCRETE CURB AND GUTTER
Seq21.cal	Seq 21	AM_1 CONCRETE PAVEMENT REPAIR
Seq22.cal	Seq 22	AM_1 REINFORCED CONCRETE PAVEMENT
Seq23.cal	Seq 23	AM_1 CONCRETE SIDEWALK
Seq24.cal	Seq 24	AM_1 SIDEWALK UNDER DRAIN DETAIL AND COVER
Seq25.cal	Seq 25	AM_1 "CONCRETE SWALE TYPE ""A"""
Seq26.cal	Seq 26	AM_1 "CONCRETE SWALE TYPE ""B"""
Seq27.cal	Seq 27	AM_1 GRASS SWALE
Seq28.cal	Seq 28	AM_1 CONCRETE TRAPEZOIDAL DITCH
Seq29.cal	Seq 29	AM_1 GRASS TRAPEZOIDAL DITCH
Seq30.cal	Seq 30	AM_1 CHAIN LINK FENCE
Seq31.cal	Seq 31	AM_1 CHAIN LINK FENCE AND CONCRETE CURB
Seq32.cal	Seq 32	AM_1 WOOD FENCE
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Seq36.cal	Seq 36	AM_1 "CONCRETE RETAINING WALL TYPE ""A"" WITH WOOD FENCE"
Seq37.cal	Seq 37	AM_1 "CONCRETE RETAINING WALL TYPE ""B"" WITH CHAIN LINK FENCE"
Seq38.cal	Seq 38	AM_1 "CONCRETE RETAINING WALL TYPE ""B"" WITH WOOD FENCE"
Seq39.cal	Seq 39	AM_1 "CONCRETE RETAINING WALL TYPE ""C"" WITH CHAIN LINK FENCE"
Seq40.cal	Seq 40	AM_1 "INTERLOCKING MASONRY UNITS TYPE ""D1"""
Seq41.cal	Seq 41	AM_1 "INTERLOCKING MASONRY UNITS TYPE ""D2"""
Seq42.cal	Seq 42	AM_1 "INTERLOCKING MASONRY UNITS TYPE ""D3"""
Seq43.cal	Seq 43	AM_1 "TYPE ""E"" RETAINING WALL AT OFFSET FLOOR SLAB"
Seq44.cal	Seq 44	AM_1 REINFORCED DRILL SHAFTS
Seq45.cal	Seq 45	AM_1 FLEXIBLE CONCRETE REVENTMENT
Seq46.cal	Seq 46	AM_1 SLOPE PAVEMENT
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Seq57.cal	Seq 57	AM_1 CONCRETE PAVEMENT DETAIL
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Seq59.cal	Seq 59	AM_1 CONCRETE PAVEMENT DETAILS
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Seq63.cal	Seq 63	AM_1 STREAM GAGE DETAIL
Seq64.cal	Seq 64	AM_1 SILT FENCE DETAIL
Seq65.cal	Seq 65	AM_1 SIGN DETAILS
Seq66.cal	Seq 66	AM_1 PIPE CULVERT HEADWALL DETAILS

Seq67.cal	Seq 67	AM_1 FLARED WINGS FOR ZERO DEGREE SKEW BOX CULVERTS
Seq68.cal	Seq 68	AM_1 FLARED WINGS FOR ZERO DEGREE SKEW BOX CULVERTS
Seq69.cal	Seq 69	AM_1 FLARED WINGS FOR FIFTEEN DEGREE SKEW BOX CULVERTS
Seq70.cal	Seq 70	AM_1 FLARED WINGS FOR FIFTEEN DEGREE SKEW BOX CULVERTS
Seq71.cal	Seq 71	AM_1 FLARED WINGS FOR THIRTY DEGREE SKEW BOX CULVERTS
Seq72.cal	Seq 72	AM_1 FLARED WINGS FOR THIRTY DEGREE SKEW BOX CULVERTS
Seq73.cal	Seq 73	AM_1 FLARED WINGS FOR FORTY FIVE DEGREE SKEW BOX
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Seq74.cal	Seq 74	AM_1 FLARED WINGS FOR FORTY FIVE DEGREE SKEW BOX
		CULVERTS
Seq75.cal	Seq 75	AM_1 "MULTIPLE BOX CULVERTS 2,700mm SPAN - 4M MAX FILL"
Seq76.cal	Seq 76	AM_1 "MULTIPLE BOX CULVERTS 3,000mm SPAN - 7M MAX FILL"
Seq77.cal	Seq 77	AM_1 SINGLE BOX CULVERTS CAST IN PLACE
Seq78.cal	Seq 78	AM_1 SINGLE BOX CULVERTS CAST IN PLACE
Seq79.cal	Seq 79	AM_1 SINGLE BOX CULVERTS PRECAST
Seq80.cal	Seq 80	AM_1 SINGLE BOX CULVERTS PRECAST
Seq81.cal	Seq 81	AM_1 CHAIN-LINK SECURITY FENCE DETAILS
Seq82.cal	Seq 82	AM_1 CHAIN-LINK FENCE GATE DETAILS

END OF AMENDMENT

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**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROADS AND DRAINAGE
 PRIMARILY FORT POLK, LOUISIANA**

BIDDING SCHEDULE
 (To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0001	Storm Water Pollution Plan Per Task Order (DO NOT INCLUDE PRICE IN BID SCHEDULE)	*****	***	*****	*****
0002	Earth Berms	250	LF	_____	_____
0003	Install and Remove Hay Bales	250	EA	_____	_____
0004	Sediment Basins	100	EA	_____	_____
0005	Dust Control	100	HR	_____	_____
0006	Temporary Mulch	10	AC	_____	_____
0007	Survey Crew	150	HR	_____	_____
0008	Remove Concrete Curb	20	LF	_____	_____
0009	Remove Concrete Curb & Gutter	11	LF	_____	_____
0010	Miscellaneous Sawcut Concrete Pavement	15	LF	_____	_____
0011	Miscellaneous Sawcut Asphalt Pavement	8	LF	_____	_____
0012	Remove Concrete Pavement (25 - 254mm (1 - 10 inches))	100	SY	_____	_____
0013	Remove Asphalt Pavement (25 - 254mm (1 - 10 inches))	99	SY	_____	_____
0014	Remove Concrete/Masonry Structures	14	CF	_____	_____
0015	Perform Bush Hogging	279	AC	_____	_____
0016	Remove Concrete Sidewalk	210	SF	_____	_____
0017	Remove Concrete Driveway	100	SF	_____	_____
0018	Remove Storm Sewer (305 - 457mm (18 inches) (12-18 inches))	5	LF	_____	_____
0019	Remove Storm Sewer (610 - 914mm (24 - 36 inches))	21	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0020	Remove Existing Tree Stump	8	EA	_____	_____
0021	Remove 10 or less Trees < 152mm (6 inches))	10	EA	_____	_____
0022	Remove 10 or less Trees ≥ 152mm but < 305mm (6 inches but < 12 inches))	10	EA	_____	_____
0023	Remove 10 or less Trees ≥ 305mm but < 610mm (12 inches but < 24 inches)	10	EA	_____	_____
0024	Remove 10 or less Trees ≥ 610mm but < 914mm (24 inches but < 36 inches)	10	EA	_____	_____
0025	Remove 10 or less Trees Near Structure < 152mm (6 inches)	10	EA	_____	_____
0026	Remove 10 or less Trees Near Structure ≥ 152mm but < 305mm (6 inches but < 12 inches)	10	EA	_____	_____
0027	Remove between 11 to 20 Trees < 152mm (6 inches)	40	EA	_____	_____
0028	Remove between 11 to 20 Trees ≥ 152mm but < 305mm (6 inches but < 12 inches)	40	EA	_____	_____
0029	Remove between 11 to 20 Trees ≥ 305mm but < 610mm (12 inches but < 24 inches)	40	EA	_____	_____
0030	Remove between 11 to 20 Trees ≥ 610mm but < 914mm (24 inches but < 36 inches)	40	EA	_____	_____
0031	Remove between 11 to 20 Trees Near Structure < 152mm (6 inches)	40	EA	_____	_____
0032	Remove between 11 to 20 Trees Near Structure ≥ 152mm but < 305mm (6 inches but < 12 inches)	40	EA	_____	_____
0033	Remove between 21 to 50 Trees < 152mm (6 inches)	100	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0034	Remove between 21 to 50 Trees \geq 152mm but < 305mm (6 inches but < 12 inches)	100	EA	_____	_____
0035	Remove between 21 to 50 Trees \geq 305mm but < 610mm (12 inches but < 24 inches)	100	EA	_____	_____
0036	Remove between 21 to 50 Trees \geq 610mm but < 914mm (24 inches but < 36 inches)	100	EA	_____	_____
0037	Remove between 21 to 50 Trees Near Structure < 152mm (6 inches)	100	EA	_____	_____
0038	Remove between 21 to 50 Trees Near Structure \geq 152mm but < 305mm (6 inches but < 12 inches)	100	EA	_____	_____
0039	Clearing and Grubbing - Burning Allowed	100	AC	_____	_____
0040	Clearing and Grubbing - Offsite Removal	100	AC	_____	_____
0041	Clearing and Grubbing - for New Roads (Lay outside of R.O.W.)	100	AC	_____	_____
0042	Remove Shrub	100	EA	_____	_____
0043	Perform General Site Excavation with Cut/Fill Balance	2000	CY	_____	_____
0044	Place Select Backfill from offsite borrow source	2000	CY	_____	_____
0045	Offsite Disposal of Excess Excavated Material	4000	CY	_____	_____
0046	Desilt Existing Storm Sewer and Structures	80	SY	_____	_____
0047	Install Geotextiles for Erosion Control	100	SY	_____	_____
0048	Install Soil Retention Blanket for Erosion Control	200	SY	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0049	Install Geogrid GB 265 for Soil Stabilization	100	SY	_____	_____
0050	Install Geogrid GB 350 for Soil Stabilization	100	SY	_____	_____
0051	Install Geogrid GU 570 for Soil Stabilization	100	SY	_____	_____
0052	Install Geogrid GU 950 for Soil Stabilization	100	SY	_____	_____
0053	Install Geogrid GU 1900 for Soil Stabilization	100	SY	_____	_____
0054	Install Geogrid GU 2500 for Soil Stabilization	100	SY	_____	_____
0055	Construct Type A Inlet	25	EA	_____	_____
0056	Construct Type B Inlet	10	EA	_____	_____
0057	Construct Type BB Inlet	10	EA	_____	_____
0058	Construct Type C-1 Inlet	8	EA	_____	_____
0059	Construct Type C-2 Inlet	10	EA	_____	_____
0060	Construct Type C-3 Inlet	10	EA	_____	_____
0061	Construct Type C-4 Inlet	10	EA	_____	_____
0062	Construct Type C-5 Inlet	10	EA	_____	_____
0063	Construct Type C-6 Inlet	10	EA	_____	_____
0064	Construct Type D Inlet	10	EA	_____	_____
0065	Construct Type A Beehive Inlet	1	EA	_____	_____
0066	Construct Type B Beehive Inlet	1	EA	_____	_____
0067	Construct Type C Beehive Inlet	1	EA	_____	_____
0068	Construct Concrete Headwall (305 - 457mm (12 - 18 inches) Pipe)	10	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0069	Construct Concrete Headwall (610 - 762mm (24 - 30 inches) Pipe)	5	EA	_____	_____
0070	Construct Concrete Headwall (914 - 1219mm (36 - 48 inches) Pipe)	5	EA	_____	_____
0071	Construct Ditch/Swale Inlet Structure	10	EA	_____	_____
0072	Construct Backslope Interceptor Structure	1	EA	_____	_____
0073	Construct Concrete Manhole (0 - 1.5M (0 - 5 ft) depth)	10	EA	_____	_____
0074	Construct Concrete Manhole (1.5 - 2.4M (5 - 8 ft) depth)	10	EA	_____	_____
0075	Construct Manhole Extra Depth (over 2.4M (8 feet) (am#1))	1	VF	_____	_____
0076	Install Manhole Frame and Cover	1	EA	_____	_____
0077	Install Inlet Frame and Grate	1	EA	_____	_____
0078	Adjust Inlet Ring and Grate to New Grade	1	EA	_____	_____
0079	Adjust Manhole Ring and Lid to New Grade	1	EA	_____	_____
0080	Install 305mm (12 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0081	Install 381mm (15 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0082	Install 457mm (18 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0083	Install 533mm (21 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0084	Install 610mm (24 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0085	Install 686mm (27 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0086	Install 762mm (30 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0087	Install 838mm (33 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0088	Install 914mm (36 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0089	Install 991mm (39 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0090	Install 1067mm (42 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0091	Install 1143mm (45 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0092	Install 1219mm (48 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0093	Install 305mm (12 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0094	Install 381mm (15 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0095	Install 457mm (18 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0096	Install 533mm (21 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0097	Install 610mm (24 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0098	Install 686mm (27 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0099	Install 762mm (30 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0100	Install 838mm (33 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0101	Install 914mm (36 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0102	Install 991mm (39 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0103	Install 1067mm (42 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0104	Install 1143mm (45 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0105	Install 1219mm (48 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0106	Install 305mm (12 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0107	Install 381mm (15 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0108	Install 457mm RCP (3.7 - 6.1M Cut in Satisfactory Soil)	100	LF	_____	_____
0109	Install 533mm (21 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0110	Install 610mm (24 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0111	Install 686mm (27 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0112	Install 762mm (30 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0113	Install 838mm (33 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0114	Install 914mm (36 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0115	Install 991mm (39 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

**BIDDING SCHEDULE
(To be attached to SF 1442)**

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0116	Install 1067mm (42 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0117	Install 1143mm (45 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0118	Install 1219mm (48 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Satisfactory Soil)	100	LF	_____	_____
0119	Install 305mm (12 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0120	Install 381mm (15 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0121	Install 457mm (18 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0122	Install 533mm (21 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0123	Install 610mm (24 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0124	Install 686mm (27 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0125	Install 762mm (30 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0126	Install 838mm (27 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0127	Install 914mm (36 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0128	Install 991mm (39 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0129	Install 1067mm (42 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0130	Install 1143mm (45 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0131	Install 1219mm (48 inches) RCP (0 - 1.8M (0 - 6 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0132	Install 305mm (12 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0133	Install 381mm (15 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0134	Install 457mm (18 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0135	Install 533mm (21 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0136	Install 610mm (24 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0137	Install 686mm (27 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0138	Install 762mm (30 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0139	Install 838mm (33 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0140	Install 914mm (36 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0141	Install 991mm (39 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0142	Install 1067mm (42 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0143	Install 1143mm (45 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0144	Install 1219mm (48 inches) RCP (1.8 - 3.7M (6 - 12 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0145	Install 305mm (12 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0146	Install 381mm (15 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0147	Install 457mm (18 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0148	Install 533mm (21 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0149	Install 610mm (24 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0150	Install 686mm (27 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0151	Install 762mm (30 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0152	Install 838mm (33 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0153	Install 914mm (36 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0154	Install 991mm (39 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0155	Install 1067mm (42 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0156	Install 1143mm (45 inches) RCP (3.7 - 6.1M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0157	Install 1219mm (48 inches) RCP (3.7 - 6.1 M (12 - 20 ft) Cut in Unsatisfactory Soil)	100	LF	_____	_____
0158	Install 102 - 254mm (2 - 10 inches) PVC Pipe (0 - 1.8M (0 - 6 ft) Cut)	70	LF	_____	_____
0159	Install 305 - 457mm (12 - 18 inches) PVC Pipe (0 - 1.8M (0 - 6 ft) Cut)	112	LF	_____	_____
0160	Install 610mm (24 inches) PVC Pipe (0 - 1.8M (0 - 6 ft) Cut)	100	LF	_____	_____
0161	Install 102 -254mm (4 - 10 inches) PVC Pipe (1.8 - 3.7M (6 - 12 ft) Cut)	100	LF	_____	_____
0162	Install 305 - 457mm (12 - 18 inches) PVC Pipe (1.8 - 3.7M (6 - 12 ft) Cut)	65	LF	_____	_____
0163	Install 610mm (24 inches) PVC Pipe (1.8 - 3.7M (6 - 12 ft) Cut)	100	LF	_____	_____
0164	Auger 102 - 254mm (4 - 10 inches) PVC Pipe (0 - 3.7M (0 - 12 ft) Auger Depth)	100	LF	_____	_____
0165	Auger 305 - 457mm (12 - 18 inches) PVC Pipe (0 - 3.7M (0 - 12 ft) Auger Depth)	100	LF	_____	_____
0166	Auger 610mm (24 inches) PVC Pipe (0 - 3.7M (0 - 12 ft) Auger Depth)	100	LF	_____	_____
0167	Bore and Jack 305mm (12 inches) RCP (0 - 3.7M (0 - 12 ft) Depth)	100	LF	_____	_____
0168	Bore and Jack 457mm (18 inches) RCP (0 - 3.7M (0 - 12 ft) Depth)	100	LF	_____	_____
0169	Bore and Jack 610mm (24 inches) RCP (0 - 3.7M (0 - 12 ft) Depth)	100	LF	_____	_____
0170	Repair Asphaltic Concrete Pavement	297	SY	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0171	Place less than 4180 SM (5,000 sy) Asphaltic Concrete Pavement (51mm (2 inches))	1000	SY	_____	_____
0172	Place between 4180 & 8360 SM (5000 & 10,000 sy) Asphaltic Concrete Pavement (51mm (2 inches))	2000	SY	_____	_____
0173	Place between 8361 & 16720 SM (5000 & 20,000 sy) Asphaltic Concrete Pavement (51mm (2 inches))	3000	SY	_____	_____
0174	Install Reinforced Concrete Curb and Gutter	14	LF	_____	_____
0175	Repair Reinforced Concrete Pavement	20	SY	_____	_____
0176	Construct Reinforced Concrete Pavement (152mm (6 inches))	20	SY	_____	_____
0177	Construct Reinforced Concrete Pavement (203mm (8 inches))	20	SY	_____	_____
0178	Construct Reinforced Concrete Pavement (254mm (10 inches))	20	SY	_____	_____
0179	Construct Reinforced Concrete Sidewalk	225	SY	_____	_____
0180	Construct Sidewalk Underdrain and Cover	1	EA	_____	_____
0181	Construct Concrete Swale - Type A	4	LF	_____	_____
0182	Construct Concrete Swale - Type B	60	SF	_____	_____
0183	Construct Grass Swale	180	LF	_____	_____
0184	Construct Concrete Trapezoidal Ditch	100	SF	_____	_____
0185	Construct Grass Trapezoidal Ditch	100	SF	_____	_____
0186	Place less than 4180 SM (5000 sy) of Topsoil	2000	SY	_____	_____
0187	Place between 4180 & 8360 SM (5000 & 10,000 sy) of Topsoil	1000	SY	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0188	Place between 8361 & 16722 SM (10,000 & 20,000 sy) of Topsoil	2000	SY	_____	_____
0189	Place less than 4180 SM (5000 sy) of Hydromulch Seeding	2000	SY	_____	_____
0190	Place between 4180 & 8360 SM (5000 & 10,000 sy) of Hydromulch Seeding	5000	SY	_____	_____
0191	Place between 8361 & 16722 SM (10,000 & 20,000 sy) of Hydromulch Seeding	10000	SY	_____	_____
0192	Place less than 4180 SM (5000 sy) for Establishment of Turf	2000	SY	_____	_____
0193	Place between 4180 & 8360 SM (5000 & 10,000 sy) for Establishment of Turf	5000	SY	_____	_____
0194	Place between 8361 & 16722 SM (10,000 & 20,000 sy) for Establishment of Turf	10000	SY	_____	_____
0195	Place ≤ 836 SM (1000 sy) of Solid Sodding	100	SY	_____	_____
0196	Place > 836 SM (1000 sy) of Solid Sodding	1000	SY	_____	_____
0197	Point Repair Storm Sewer (305 - 610mm (12 -24 inches))	4	EA	_____	_____
0198	Point Repair Storm Sewer (762 - 1372mm (30 - 54 inches))	5	EA	_____	_____
0199	Remove Chain Link Fence	1000	LF	_____	_____
0200	Install Chain Link Fence	1000	LF	_____	_____
0201	Install Chain Link Fence and Concrete Curb	1000	LF	_____	_____
0202	Remove Wooden Fence	70	LF	_____	_____
0203	Install Wooden Fence	5	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0204	Install Wooden Fence and Concrete Curb	500	LF	_____	_____
0205	Construct Type A Retaining Wall	500	LF	_____	_____
0206	Construct Type A Retaining Wall and Chain Link Fence	200	LF	_____	_____
0207	Construct Type A Retaining Wall and Wood Fence	200	LF	_____	_____
0208	Construct Type B Retaining Wall and Chain Link Fence	200	LF	_____	_____
0209	Construct Type B Retaining Wall and Wood Fence	200	LF	_____	_____
0210	Construct Type C Retaining Wall and Chain Link Fence	200	LF	_____	_____
0211	Construct Type D1 Retaining Wall	1000	LF	_____	_____
0212	Construct Type D2 Retaining Wall	1000	LF	_____	_____
0213	Construct Type D3 Retaining Wall	100	LF	_____	_____
0214	Construct Type E Retaining Wall at Offset Floor Slabs	10	LF	_____	_____
0215	Construct Drilled Shafts (305mm (12 inches) diameter)	10	VF	_____	_____
0216	Construct Drilled Shafts (457mm (18 inches) diameter)	10	VF	_____	_____
0217	Construct Drilled Shafts (610mm (24 inches) diameter)	10	VF	_____	_____
0218	Place Rip Rap	175	CY	_____	_____
0219	Place Flexible Concrete Revetment	500	SY	_____	_____
0220	Construct Reinforced Concrete Slope Paving (101mm (4 inches))	10	SY	_____	_____
0221	Seal Cracks in Existing Concrete Structures	10	LF	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0222	Install Welded Steel Handrail	10	LF	_____	_____
0223	Place Miscellaneous Steel Reinforcing	238	LB	_____	_____
0224	Place Miscellaneous Structural Concrete	2	CY	_____	_____
0225	Adjust Sanitary Sewer Cleanout to Grade	6	EA	_____	_____
0226	Install Sanitary Sewer Service Line	12	LF	_____	_____
0227	Install Water Service Line (19mm - 38mm (3/4 - 1 1/2 inches))	100	LF	_____	_____
0228	Install Water Service Line (51mm - 101mm (2 - 4 inches))	1	LF	_____	_____
0229	Install Gas Service Line (13mm - 25mm (1/2 - 1 inch))	100	LF	_____	_____
0230	Install Gas Service Line (31mm - 51mm (1 1/4 - 2 inches))	100	LF	_____	_____
0231	Place Splash Block	20	EA	_____	_____
0232	Plant Tree - Type A	5	EA	_____	_____
0233	Plant Tree - Type B	5	EA	_____	_____
0234	Plant Tree - Type C	5	EA	_____	_____
0235	Plant Tree - Type D	5	EA	_____	_____
0236	Plant Tree - Type E	5	EA	_____	_____
0237	Plant Tree - Type F	5	EA	_____	_____
0238	Remove and Transplant Tree w/1015mm Tree Spade	1	EA	_____	_____
0239	Remove and Transplant Tree w/1524mm Tree Spade	1	EA	_____	_____
0240	Remove and Transplant Tree w/2286mm Tree Spade	1	EA	_____	_____
0241	Plant Shrub - Type A	5	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

**BIDDING SCHEDULE
(To be attached to SF 1442)**

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0242	Plant Shrub - Type B	5	EA	_____	_____
0243	Plant Shrub - Type C	5	EA	_____	_____
0244	Plant Shrub - Type D	5	EA	_____	_____
0245	Remove and Reinstall Playground Equipment	2	EA	_____	_____
ROAD CONSTRUCTION					
0246	150mm (6 inches) Depth Gravel Road Surface Course	10000	SY	_____	_____
0247	150mm (6 inches) Depth Glauconite Road Surface Course	50000	SY	_____	_____
0248	150mm (6 inches) Depth Aggregate Road Surface Course	50000	SY	_____	_____
0249	Separation/Filtration Geotextile Material	1000	SY	_____	_____
0250	250mm (10 inches) Process Depth for Fine Grained Subgrade Material	10000	SY	_____	_____
0251	450mm (18 inches) Process Depth for Course Grained Subgrade Material	10000	SY	_____	_____
0252	250mm (10 inches) Process Subgrade Depth with 3-percent Lime by Weight	10000	SY	_____	_____
0253	450mm (18 inches) Process Subgrade Depth with 3-percent Lime by Weight	10000	SY	_____	_____
0254	200mm (8 inches) Process Subgrade Depth with 6-percent Portland Cement	10000	SY	_____	_____
0255	250mm (10 inches) Process Subgrade Depth with 6-percent Portland Cement	10000	SY	_____	_____
0256	450mm (18 inches) Process Subgrade Depth with 6-percent Portland Cement	10000	SY	_____	_____
0257	Proof Rolling	5	AC	_____	_____
0258	Earthwork for Typical Roadways with Cut/Fill Balance	5	MI	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0259	Earthwork for Overtopping roadway Section with Cut/Fill Balance	4	MI	_____	_____
0260	Fill material from onsite borrow area 1.6 to 4.8 KM (1 to 3 miles) haul	1000	CY	_____	_____
0261	Fill material from onsite borrow area 4.8 to 8.0 KM (3 to 5 miles) haul	1000	CY	_____	_____
0262	Fill Material from Offsite Borrow Pit	1000	CY	_____	_____
0263	Overexcavate soft material and backfill with 600mm (24 inches) depth crushed rock	1000	SY	_____	_____
0264	300mm (12 inches) Depth Concrete for Turning Pad or Hardened Bottom	1000	SY	_____	_____
0265	450mm (18 inches) Depth Concrete Toe for Hardened Bottom Section	100	LF	_____	_____
0266	150mm (6 inches) Depth Crushed Rock Base for Concrete Pavement	50	SY	_____	_____
0267	Guard Posts	50	EA	_____	_____
0268	Stream Gages	10	EA	_____	_____
0269	Silt Fences	100	LF	_____	_____
0270	Traffic Signs	10	EA	_____	_____
0271	Culvert Headwall for 2-472mm (18.5 inches) Pipe	10	EA	_____	_____
0272	Culvert Headwall for 2-610mm (24 inches) Pipe	10	EA	_____	_____
0273	Culvert Headwall for 2-914mm (36 inches) Pipe	10	EA	_____	_____
0274	Culvert Headwall for 2-1220mm (48 inches) Pipe	10	EA	_____	_____
0275	Culvert Headwall for 2-1524mm (60 inches) Pipe	10	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0276	Cast In Place Reinforced Concrete Multiple Box Culverts 4m (13 ft) Maximum Fill	10	CY	_____	_____
0277	Cast In Place Reinforced Concrete Multiple Box Culverts 7m (23 ft) Maximum Fill	50	CY	_____	_____
0278	Cast in Place Reinforced Concrete Single Box Culverts 9m (30 ft) Maximum Fill	50	CY	_____	_____
0279	Cast In Place Reinforced Concrete Box Culvert Flared Wings	10	CY	_____	_____
0280	450mm (18-inches) Crushed Rock Bedding for Box Culverts	100	SF	_____	_____
0281	3000x1500mm (10 x 5 ft) Precast Box Culvert 0.6 M (2 ft) Fill	20	LF	_____	_____
0282	3000x2100mm (10 x 7 ft) Precast Box Culvert 0.6 M (2 ft) Fill	20	LF	_____	_____
0283	3000x2700mm (10 x 9 ft) Precast Box Culvert 0.6 M (2 ft) Fill	20	LF	_____	_____
0284	3000x1500mm (10 x 5 ft) Precast Box Culvert 2.4 M (8 ft) Fill	20	LF	_____	_____
0285	3000x2100mm (10 x 7 ft) Precast Box Culvert 2.4 M (8 ft) Fill	20	LF	_____	_____
0286	3000x2700mm (10 x 9 ft) Precast Box Culvert 2.4 M (8 ft) Fill	20	LF	_____	_____
ROAD MAINTENANCE					
0287	Grading of Existing Roads (5.5 to 7.3 M (18 to 24 ft) width)	10	MI	_____	_____
0288	Grading of Road Ditches (up to 5 M (16 ft) width)	10	MI	_____	_____
0289	472mm (18.5 inches) Corrugated Metal Culvert Pipe - 6M Joint	5	EA	_____	_____
0290	610mm (24 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

**BIDDING SCHEDULE
(To be attached to SF 1442)**

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0291	914mm (36 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0292	1220mm (48 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0293	1524mm (60 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0294	1828mm (72 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0295	2134mm (84 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0296	2438mm (96 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0297	3048mm (120 inches) Corrugated Metal Culvert Pipe - 6M (20 ft) Joint	5	EA	_____	_____
0298	472mm (18.5 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0299	610mm (24 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0300	914mm (36 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0301	1220mm (48 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0302	1524mm (60 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0303	1828mm (72 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0304	2134mm (84 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0305	2438mm (96 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0306	3048mm (120 inches) Corrugated Metal Culvert Pipe - 9M (30 ft) Joint	5	EA	_____	_____
0307	472mm (18.5 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0308	610mm (24 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0309	914mm (36 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0310	1220mm (48 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0311	1524mm (60 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0312	1828mm (72 inches) Corrugated Metal Culvert Pipe - 12M (40 ft) Joint	5	EA	_____	_____
0313	2134mm (84 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0314	2438mm (96 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0315	3048mm (120 inches) Corrugated Metal Culvert Pipe -12M (40 ft) Joint	5	EA	_____	_____
0316	153mm (6 inches) Corrugated Polyethylene Culvert Pipe	20	LF	_____	_____
0317	305mm (12 inches) Corrugated Polyethylene Culvert Pipe	20	LF	_____	_____
0318	457mm (18 inches) Corrugated Polyethylene Culvert Pipe	20	LF	_____	_____
0319	4-Strand Barb Wire Fence	100	LF	_____	_____
0320	Install 7 Foot Chain Link Security Fence W/3 Strands Barbed Wire	1000	LF	_____	_____
0321	Install 6 Foot Chain Link Security Fence W/3 Strands Barbed Wire	1000	LF	_____	_____
0322	7' Gates 4' to 8' Long	50	EA	_____	_____
0323	6' Gates 4' to 8' Long	50	EA	_____	_____
0324	7' Gates 8' to 12' Long	50	EA	_____	_____
0325	6' Gates 8' to 12' Long	50	EA	_____	_____

**INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT FOR ROAD AND DRAINAGE
FORT POLK, LOUISIANA**

BIDDING SCHEDULE
(To be attached to SF 1442)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EST. EXTENDED AMOUNT
0326	7' Gates > 12' to 20' Long	25	EA	_____	_____
0327	6' Gates > 12' to 20' Long	25	EA	_____	_____
0328	Additional Grounding	50	EA	_____	_____
0329	Gate Keeper	50	EA	_____	_____
0330	Rod and Lock Keeper	50	EA	_____	_____
0331	Double Arm W/6 Strands of Barbed Wire	1000	LF	_____	_____
0332	Concrete Cores (102mm x 305mm (4 x 12 inches))	100	EA	_____	_____
0333	Concrete Cores (203mm x 305mm (8 x 12 inches))	100	EA	_____	_____
0334	Tack Weld Support Arms to Fence Post	5000	LF	_____	_____
0335	Concrete Wheel Stops	150	EA	_____	_____

PERFORMANCE AND PAYMENT BONDING

0336	Initial Bonding				
0337AA	Performance Bond - \$100,000 Payment Bond - \$100,000 (am#1)	1	LS	*****	_____
0337AB	Additional Bonding Per \$1,000 to be specified on each Task Order	1000	1K	_____	_____

TOTAL BASE PERIOD BID (LINE ITEMS
0001 THRU 0336)

IDIO Construction Contract For Roads and Drainage
Primarily Fort Polk, Louisiana And Military And Civil Projects Within The U.S. Army Corps Of Engineers
(Southwestern Division) Geographic Boundaries

Solicitation No.DACA63-03-B-0015

BIDDING SCHEDULE

NOTES:

1. ARITHMETIC DISCREPANCIES (EFARS 14.407-2)

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bidding schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) In case of discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected; and
- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. If a modification to a bid based on unit prices is submitted, which provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment to each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

3. Bidders must bid on all items.

4. Costs attributable to Division 01 - General Requirements are assumed to be prorated among bid items listed.

5. Responders are advised that this requirement may be delayed, cancelled or revised at any time during the solicitation, selection, evaluation, negotiation and/or final award process based on decisions related to DOD changes in force structure and disposition of the Armed Forces.

6. For the purpose of this solicitation, the word "item" shall be considered to mean "schedule" as used in Provision 52.214-0019, CONTRACT AWARD--SEALED BIDDING--CONSTRUCTION, in Section 00100 INSTRUCTIONS, CONDITIONS, AND NOTICES TO BIDDERS.

IDIQ Construction Contract For Roads and Drainage
Primarily Fort Polk, Louisiana And Military And Civil Projects Within The U.S. Army Corps Of Engineers
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BIDDING SCHEDULE

NOTES: (cont)

7. ABBREVIATIONS

For the purpose of this solicitation, the units of measure are represented as follows:

- a. AC (acre)
- b. EA (each)
- c. GAL (gallons)
- d. CF (cubic feet)
- e. CY (cubic yard)
- f. MI (mile)
- g. SF (square feet)
- h. SY (square yard)
- i. LS (lump sum)
- j. MM (millimeters)
- k. LM (length in linear meters)
- l. LF (length in linear feet) (Am#1)**
- m. HR (hour) (Am#1)**
- n. VF (vertical feet) (Am#1)**
- o. ft (feet) (Am#1)**
- p. LB (pounds) (Am#1)**

(Am#1) 8. EVALUATION OF OPTIONS USING ECONOMIC PRICE ADJUSTMENT FACTOR

Cost and price evaluation of proposals, for purposes of contract award, will be based upon the Base Period only (including the documentation provided to support the prices proposed for that period). By submitting a proposal on this solicitation, offeror agrees to be bound by the economic price adjustment factor for the Option Periods when they are exercised. (Explanation of calculation follows):

ECONOMIC PRICE ADJUSTMENT FACTOR FOR OPTION YEARS

Adjustment to the Base Period unit prices for all Option Periods will be in accordance with the following equation:

$$\underline{P \times f = P1}$$

Where P1 - New Unit Price

P - Unit Price for Base Period of contract

f - Index Factor

The index factor, "T", is the Skilled Labor Index as published in the ENR Magazine under Skilled Labor Index Review. ENR Magazine was formerly called Engineering News Record. The Skilled Labor Index Review is published monthly. The change in the index will be applied to all labor rates specified in the

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BIDDING SCHEDULE

Bid Schedule of the contract at the time the Option(s) is(are) exercised. Any Offeror who submits a proposal in response to this Invitation for Bid (IFB) agrees, by that submission, to be bound by this index. Example Calculation:

Base Period Contract awarded: February 1996
Option Period exercised: November 1996
Unit Price for Base Period was: \$1.50

Skilled Labor Index (Feb 96): 5020
Skilled Labor Index (Nov 96): 5141
P = \$1.50

5141 (Date 2)
f = ----- = 1.024
5020 (Date 1)

\$1.50 (P) x 1.024 (f) = \$1.54 (P1) per unit

If the number was negative (-1.24), then the labor rates would be adjusted to show a decrease in the labor rate. Factor will be applied to all line items under the Base Period rates (for calculation of Option Period One rates) and all line items under the Option Period One rates (for calculation of Option Period Two rates). No new General Wage Decisions will be incorporated during the life of the contract, so construction wage rates will not be revised during the life of the contract except for adjusting relating to the Economic Price Adjustment Factor which governs the price if the contract for the Option Periods. However, service rates may be further revised (after the factor has been applied) if the Department of Labor issues revised Wage Rates Determinations that require an adjustment be made to the contract.

(Am#1) 9. OPTIONS: The Government reserves the right to exercise the option periods in the following ways:

a. From the original twelve (12) months (base) period, followed by a period of twelve (12) months (Option Period 1).

b. From the conclusion of the first twelve (12) months option period, followed by a second option period of twelve (12) months (Option Period 2), followed by a third option period of twelve (12) months (Option Period 3), and followed then by a fourth and final option period of twelve (12) months (Option Period 4).

c. This will result in a base period with four (4) option periods, not-to-exceed sixty (60) months.

It should be noted that if the estimated maximum base period or option period contract amount is reached before the completion of the base period and/or option period, the Government reserves the right to exceed the estimated maximum base period and/or option period amount. However, the Government will not exceed the total contract not-to-exceed amount.

END OF BIDDING SCHEDULE

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SECTION 01020
DESCRIPTIONS OF BID ITEMS AND DRAWING DETAILS

General Requirements

It is anticipated that costs for all general requirements of the proposed construction contract are included in each bid item. The Contractor's costs for each bid item are expected to include furnishing all labor, materials, equipment, insurance, bond, administrative, supervisory, scheduling, quality control, incidental services, support operations, temporary facilities and controls, temporary utilities, safety measures, control of ground water and surface water, site preparation, removal and off post disposal of materials and debris, clean up and site restoration as required by the contract documents to perform all work for the full completion of each bid item incorporated into the contract for this project.

Further, the costs are expected to include, but are not limited to, furnishing off post facilities for offices; for delivery, storage, laydown, and staging areas for construction materials and equipment; and parking space for employees, subcontractors, and vendors. It also includes all requirements for the necessary safeguards and protection of persons from danger within and near the work areas.

Bid Items

The following is a brief description of the proposed construction bid items to assist in making clear the actual scope of the work within each one, including specific work elements that are part of the item, identification of other related work, and the method of payment.

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BID ITEM 1

Drawing: none

STORM WATER POLLUTION PREVENTION PLAN (DO NOT INCLUDE PRICE IN BID SCHEDULE)

This Bid Item consists of labor, materials, equipment and incidentals necessary to provide erosion and sediment control for the duration of the construction period including furnishing, installing and maintaining erosion and sediment control structures and procedures along with the proper removal when no longer required. This Bid Item consists of all costs associated with adhering to all State, Federal and Local requirements associated with necessary Storm Water Pollution Plan. Payment for this Bid Item will be Lump Sum and negotiated for each delivery order.

BID ITEM 2

Drawing: None

EARTH BERMS

This bid item is for the construction and temporary turbing of earthen berms used as erosion control devices. Payment for this Bid Item will be per linear feet of earthen berm.

BID ITEM 3

Drawing: None

INSTALL AND REMOVE HAY BALES

This bid item consists of providing and staking down square hay bales used as erosion control devices. This item also includes the removal after use. Payment for this Bid Item will be per bale of hay.

BID ITEM 4

Drawing: None

SEDIMENT BASINS

This bid item consists of excavation of pits. The excavated material will be used to construct an earthen berm on two sides of the pit. Two to three hay bales will be staked at the back side. These will be used at the end of the turn-out and ditches as erosion control devices. Payment for this Bid item will be per sediment basin.

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BID ITEM 5
DUST CONTROL

Drawing: None

This bid item will consist of the watering of the site. This watering will be done by way of a water truck. The water is to be furnished by the government. Payment for this Bid Item will be per hour.

BID ITEM 6
TEMPORARY MULCH

Drawing: None

This bid item will be used for the temporary stabilization of soil for erosion control. it will include the blowing and crimping of hay. Payment for this Bid Item will be by the acre.

BID ITEM 7
SURVEY CREW

Drawing: None

This bid item will consist of the services of a three-man survey crew. It will include all equipment and material necessary to do surveys in the field. Payment for this Bid item will be per hour.

BID ITEMS 8
REMOVE CONCRETE CURB

Drawing: none

This Bid Item consists of removing existing doweled on curb on pavement or other simple concrete curbs that need to be replaced because of damage due to erosion or because of access for other work. Two saw cuts and disposal of the broken concrete debris are incidental and included in this item. Payment will be by linear feet.

BID ITEM 9
REMOVE CONCRETE CURB AND GUTTER

Drawing: none

This Bid Item consists of removing existing integral concrete curb and gutter sections, typical for asphaltic pavements, that need to be replaced because of damage due to erosion or because of access for other work to be done. Any damage to the adjacent asphaltic pavement, vegetation, or other elements will be repaired or replaced as a part of this bid item. Disposal of the broken concrete debris is incidental and included in this item. Payment will be by linear feet.

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BID ITEM 10

Drawing: none

MISCELLANEOUS CONCRETE SAW CUT

This Bid Item consists of saw cuts in existing concrete pavements for streets, driveways, walkways, and other slabs where portions need to be removed because of damage due to erosion or because of access for other work to be done. The actual demolition and removal of the concrete is included in another bid item. Payment will be by linear feet.

BID ITEM 11

Drawing: none

MISCELLANEOUS ASPHALTIC SAW CUT

This Bid Item consists of sawcuts in existing asphaltic pavements for streets, driveways, walkways, and other slabs where portions need to be removed because of damage due to erosion or because of access for other work to be done. The actual demolition and removal of the asphaltic pavement is included in another bid item. Payment will be by linear feet.

BID ITEM 12

Drawing: none

REMOVE CONCRETE PAVEMENT (1-10 inches)

This Bid Item consists of removing existing concrete pavements for streets and other slabs where portions need to be removed because of damage due to erosion or because of access for other work to be done. Disposal of the broken concrete and other debris is incidental and included in this item. Payment will be by the square yard.

BID ITEM 13

Drawing: none

REMOVE ASPHALTIC PAVEMENT (1-10 inches)

This Bid Item consists of removing existing asphaltic pavements for streets, driveways, walkways, and other locations where portions need to be removed because of damage due to erosion or because of access for other work to be done. Disposal of the broken asphaltic pavement and other debris is incidental and included in this item. Payment will be by the square yard.

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BID ITEM 14

Drawing: none

REMOVE CONCRETE / MASONRY STRUCTURES

This Bid Item consists of removing existing concrete structures, including but not limited to concrete swales, slope pavement, inlets, headwalls and aprons, rubble, and any other broken concrete and structures not specifically identified, but need to be removed because of damage due to erosion or because of access for other work to be done. Disposal of the broken concrete and other debris is incidental and included in this item. Payment will be by the cubic feet of concrete in place.

BID ITEM 15

Drawing: none

BUSH HOGGING

This Bid Item consists of mowing and clearing of brush and vegetative growth within an area of work, generally within road right-of-ways. Trees larger than 1 inch caliper will be removed under separate bid items. Also, individual trees may be selected within the area to be saved and will be protected. Payment for bush hogging will be by the acre.

BID ITEM 16

Drawing: none

REMOVE CONCRETE SIDEWALK

This Bid Item consists of removing existing concrete sidewalks where portions need to be removed because of damage due to erosion or because of access for other work to be done. Disposal of the broken concrete and other debris is incidental and included in this item. Payment will be by the square feet.

BID ITEM 17

Drawing: none

REMOVE CONCRETE DRIVEWAY

This Bid Item consists of removing existing concrete driveways where portions need to be removed because of damage due to erosion, grades are incorrect and causing drainage problems, or because of access for other work to be done. Disposal of the broken concrete and other debris is incidental and included in this item. Payment will be by the square feet.

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BID ITEM 18 AND 19

Drawing: none

REMOVE STORM SEWER (12-18 inches) and (24-36 inches)

These Bid Items consist of removing existing storm sewers of different sizes where portions need to be removed because of damage due to erosion, grades are incorrect and causing drainage problems, because of access for other work to be done, or because of needing replacement by larger pipes. Storm sewers to be removed may be reinforced concrete pipe or corrugated metal pipe. Disposal of the pipe and other debris is incidental and included in this item. Payment will be by the linear feet.

BID ITEM 20

Drawing: none

REMOVE EXISTING TREE STUMP

This Bid Item consists of removal and disposal of any existing tree stump and all roots that are in the area of work. Backfilling of any holes is included in this item as incidental to this work. Payment will be by each location for any size.

BID ITEMS 21 - 38

Drawing: none

REMOVE TREES

These Bid Items consist of removal and disposal of various size trees within the calipers indicated. Removal and off site disposal of each tree, stump, all roots larger than 4 inches in diameter, and backfilling of any holes are all included in this item as incidental to this work. Payment will be by each tree within the caliper range indicated.

BID ITEMS 39 - 41

Drawing: none

CLEARING AND GRUBBING

These Bid Items are for three different situations; 1) burning allowed, 2) offsite removal with no burning allowed, and 3) new road construction on US Forest Service land. Cleared vegetation on US Forest Service land is to be laid outside the right of way limits as specified. Payment will be per acre.

BID ITEM 42

Drawing: none

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REMOVE SHRUB

This Bid Item consists of removal and off post disposal of any shrub as indicated on the drawings. These shrubs. Payment will be for each shrub removed.

BID ITEM 43

Drawing: none

PROVIDE GENERAL EXCAVATION (CUT/FILL BALANCE)

This Bid Item consists of all common site excavation that is not incidental and included in other bid items. Excavation will be unclassified regardless of the nature of material encountered. It may include either a small amount or possibly a large amount of earth material removal. Payment will be by the cubic yard of material in place. The extent of excavation will be shown on the detailed site drawings as required for the existing conditions and proposed drainage improvements and erosion control.

BID ITEM 44

Drawing: none

CONSTRUCT SELECT BACKFILL

This Bid Item consists of specified and approved select fill material from an offsite borrow site or pit and placed in loose lifts not to exceed 8 inches and compacted as specified. Payment will be by the cubic yard of material in place.

BID ITEM 45

DISPOSE EXCESS EXCAVATED MATERIAL

This Bid Item consists of the offsite hauling and disposal of excess unclassified material from general site excavation projects. Payment will be by the cubic yard of material.

BID ITEM 46

Drawing: none

DESILT EXISTING STORM SEWER STRUCTURES

This Bid Item consists of removal and disposal of silt, vegetation, and debris out of existing earthen or concrete lined drainage channel or structure. Payment will be by the square yard of material up to 6 inches deep, as determined to be present within the structure and indicated on the drawings.

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BID ITEM 47

Drawing: none

INSTALL GEOTEXTILES FOR EROSION CONTROL

This Bid Item consists of the installation of geotextiles in accordance with Technical Specification 02274 used for separation and filter applications beneath erosion control structures, such as riprap and precast concrete block systems in open channels or other locations. Payment will be by square yard.

BID ITEM 48

Drawing: none

INSTALL SOIL RETENTION BLANKET

This Bid Item consists of the installation of soil retention blankets in accordance with Texas Department of Transportation Specification Item 169. Payment will be by square yard.

BID ITEM 49 - 54

Drawing: none

INSTALL GEOGRID FOR SOIL STABILIZATION

This Bid Item consists of the installation of geogrids for soil stabilization purposes in conjunction with roadways and parking areas and in soft ground stabilization techniques for embankment construction in accordance with Technical Specification 02265. Payment will be by the square yard.

BID ITEM 55

Sequence No. 1

CONSTRUCT TYPE "A" INLET

This Bid Item consists of the complete installation of a new Type A drainage inlet. It may be a new location or the replacement of an existing one. This item includes all excavation, form work, reinforcing steel, concrete, mortar fill, cast iron frame and grate, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under another bid item. There may be a need for this type of area inlet in some locations where other inlets are not appropriate or practical. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location.

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BID ITEM 56

Sequence No. 2

CONSTRUCT TYPE "B" INLET

This Bid Item consists of the complete installation of a new Type B drainage inlet. It may be a new location or the replacement of an existing one. This item includes all excavation, form work, reinforcing steel, concrete, mortar fill, cast iron frame and grate, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under another bid item, nor does it include cutting and removal of pavement and curbs for a new location. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location.

BID ITEM 57

Sequence No. 3

CONSTRUCT TYPE "BB" INLET

This Bid Item consists of the complete installation of a new Type B-B drainage inlet that is similar to the Type B, but is a double inlet and twice the size. It may be a new location or the replacement of an existing one. This item includes all excavation, form work, reinforcing steel, concrete, mortar fill, cast iron frame and grate, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under another bid item, nor does it include cutting and removal of pavement and curbs for a new location. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location.

BID ITEMS 58 - 63

Sequence No. 4 and Sequence No. 5

CONSTRUCT TYPE "C-1", "C-2", "C-3", "C-4", "C-5", "C-6" INLET

These Bid Items consist of the complete installation of new Type C-1, C-2, C-3, C-4, C-5, or C-6 drainage inlets. The variations are the size and number of openings in the curb. It may be a new location or the replacement of an existing one. The Contractor has the option of installing cast-in-place concrete or precast units. This item includes all excavation, prefabrication, form work, reinforcing steel, concrete, mortar fill, cast iron manhole frame and cover, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under

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another bid item, nor does it include cutting and removal of pavement and curbs for a new location. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location for each type.

BID ITEM 64

Sequence No. 6

CONSTRUCT TYPE "D" INLET

This Bid Item consists of the complete installation of a new Type D drainage inlet. It may be a new location or the replacement of an existing one. This item includes all excavation, form work, reinforcing steel, concrete, mortar fill, cast iron manhole frame and cover, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under another bid item. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location.

BID ITEMS 65 - 67

Sequence No. 7

CONSTRUCT TYPE "A", "B", "C" BEEHIVE INLET

These Bid Items consist of the complete installation of a new beehive Type A, B, or C drainage inlet. The variations are the sizes of the cast iron inlet grate. It may be a new location or the replacement of an existing one. This item includes all excavation, form work, reinforcing steel, concrete, mortar fill, cast iron inlet frame and gate, specified backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The item does not include removal of an existing drainage inlet which is provided under another bid item, nor does it include cutting and removal of pavement and curbs for a new location. The depth of each inlet may vary depending upon the size of the largest pipe. Payment will be for each location for each type.

BID ITEMS 68 - 70

Sequence No. 8

CONSTRUCT CONCRETE HEADWALL (12-18 inches PIPE) (24-30 inches PIPE)
(36-48 inches PIPE)

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These Bid Items consist of cast-in-place reinforced concrete headwalls for storm drainage piping in two size groups as indicated. It includes all excavation, stabilizing subgrade, forms, reinforcing steel, concrete, finishing, curing, and testing. Payment will be by each location complete for each size pipe.

BID ITEM 71

Sequence No. 9

CONSTRUCT DITCH / SWALE INLET STRUCTURE

This Bid Item consists of a concrete inlet structure located at the end of a ditch or swale to transfer water into an underground pipe or to transfer water from an upper level to a lower level. Payment will be for each complete structure.

BID ITEM 72

Sequence No. 10

CONSTRUCT BACKSLOPE INTERCEPTOR STRUCTURE

This Bid Item consists of a concrete inlet structure similar to the ditch/swale interceptor structure except it will be located within a ditch/swale. Payment will be for each complete structure.

BID ITEM 73

Sequence No. 11

CONSTRUCT CONCRETE MANHOLE (0-5 feet DEPTH)

This Bid Item consists of shallow depth concrete manholes up to five feet deep. The Contractor has the option of installing cast-in-place concrete or precast units. Each manhole will be for any size of pipes within the pipe groups indicated. The bid item includes all excavation, prefabrication and shipping, forming, reinforcement, concrete, accessories, manhole frame and cover, cement stabilized and other backfill materials, mortar, and all incidentals necessary to complete the installation. Payment will be for each one installed complete.

BID ITEM 74

Sequence No. 12

CONSTRUCT CONCRETE MANHOLE (< 5-8 feet DEPTH)

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This Bid Item consists of deep concrete manholes greater than 5 and up to 8 feet deep. The Contractor has the option of installing cast-in-place concrete or precast units. Each manhole will be for any size of pipes. The bid item includes all excavation, prefabrication and shipping, forming, reinforcement, concrete, accessories, manhole frame and cover, cement stabilized and other backfill materials, mortar, and all incidentals necessary to complete the installation. Payment will be for each one installed complete.

BID ITEM 75

Drawing: none

CONSTRUCT MANHOLE EXTRA DEPTH

This Bid Item consists of extra depth of concrete manholes greater than 8 feet deep. Payment will be a unit price for each additional foot of depth greater than 8 feet.

BID ITEM 76

Sequence No. 13

INSTALL MANHOLE FRAME & COVER

This Bid Item consists of a standard manhole frame and cover that may be needed for a special structure not included in other bid items. Payment will be for each one used.

BID ITEM 77

Drawing: No. 14

INSTALL INLET FRAME & COVER

This Bid Item consists of a standard drainage inlet frame and grate, similar to the one used for Drainage Inlet - Type A, that may be needed for a special structure not included in other bid items. Payment will be for each one used.

BID ITEM 78

Drawing: none

ADJUST INLET RING & GRATE TO NEW GRADE

This Bid Item consists of removing the top of an existing drainage inlet and a section of the inlet in order to lower or raise it to a new grade. Payment will be by each location.

BID ITEM 79

Drawing: none

ADJUST MANHOLE RING & LID TO NEW GRADE

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This Bid Item consists of removing the top of an existing manhole and a section of the manhole in order to lower or raise to a new grade. Payment will be by each location.

BID ITEMS 80 - 92

Sequence No. 15

INSTALL RCP (0 – 6 ft CUT IN SATISFACTORY SOIL)

These Bid Items consist of several different sizes of RCP installed in satisfactory soil conditions up to 6 feet deep as indicated on the drawings. It includes all excavation, backfill, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 93 - 105

Sequence No. 15

INSTALL RCP IN SATISFACTORY SOIL (BETWEEN 6-12 ft CUT)

These Bid Items consist of several different sizes of RCP installed in satisfactory soil conditions, as indicated on the drawings, for depths over 6 and up to 12 feet deep. It includes all excavation and backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 106 - 118

Sequence No. 15

INSTALL RCP IN SATISFACTORY SOIL (BETWEEN 12-20 ft CUT)

These Bid Items consist of several different sizes of RCP installed in satisfactory soil conditions as indicated on the drawings for depths over 12 and up to 20 feet deep. It includes all excavation and backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 119 - 131

Sequence No. 16

INSTALL RCP IN UNSATISFACTORY SOIL (0 – 6 ft CUT)

These Bid Items consist of several different sizes of RCP installed in unsatisfactory soil conditions as indicated on the drawings. It includes all excavation and backfill, reinforced concrete seal slab, and pipe. Payment will be by linear feet for each size of pipe indicated.

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BID ITEMS 132 - 144

Sequence No. 16

INSTALL RCP IN UNSATISFACTORY SOIL (6-12 feet CUT)

These Bid Items consist of several different sizes of RCP installed in unsatisfactory soil conditions as indicated on the drawings. It includes all excavation and backfill, reinforced concrete seal slab, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 145 - 157

Sequence No. 16

INSTALL RCP IN UNSATISFACTORY SOIL (12-20 ft CUT)

These Bid Items consist of several different sizes of RCP installed in unsatisfactory soil conditions as indicated on the drawings. It includes all excavation and backfill, reinforced concrete seal slab, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 158 - 160

Similar to Sequence No. 15

INSTALL PVC PIPE (0 – 6 ft CUT)

These Bid Items consist of several different sizes of PVC pipe installed in satisfactory soil conditions up to 1.8 meters deep as indicated on the drawings. It includes all excavation and backfill, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEMS 161 - 163

Similar to Sequence No. 15

INSTALL PVC PIPE (OVER 6-12 ft CUT)

These Bid Items consist of several different sizes of RCP installed in satisfactory soil conditions as indicated on the drawings. It includes all excavation and backfill, additional precautions because of trench depths, reinforced concrete seal slab, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 164

Sequence No. 17

AUGER 4-10 inches PVC PIPE (0-12 feet AUGER PIT DEPTH)

This Bid Item consists of 4 to 10 inches PVC pipe installed under pavements by the auger method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill,

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additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 165

Sequence No. 17

AUGER 12-18 inches PVC PIPE (0-12 ft AUGER PIT DEPTH)

This Bid Item consists of 12 to 18 inches PVC pipe installed under pavements by the auger method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 166

Sequence No. 17

AUGER 24 inches PVC PIPE (0-12 ft AUGER PIT DEPTH)

This Bid Item consists of 24 inches PVC pipe installed under pavements by the auger method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 167

Similar to Sequence No. 17

BORE & JACK 12 inches RCP PIPE (0-12 ft PIT DEPTH)

This Bid Item consists of 12 inches Reinforced Concrete Pipe installed under pavements by the bore & jack method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 168

Similar to Sequence No. 17

BORE & JACK 18 inches RCP PIPE (0-12 ft PIT DEPTH)

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This Bid Item consists of 18 inches Reinforced Concrete Pipe installed under pavements by the bore & jack method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 169

Similar to Sequence No. 17

BORE & JACK 24 inches RCP PIPE (0-12 ft PIT DEPTH)

This Bid Item consists of 24 inches Reinforced Concrete Pipe installed under pavements by the bore & jack method to maintain streets open for traffic, emergencies, and fire protection. It includes all excavation, backfill, additional precautions because of trench depths, and pipe. Payment will be by linear feet for each size of pipe indicated.

BID ITEM 170

Sequence No. 18

REPAIR ASPHALTIC PAVEMENT

This Bid Item consists of asphaltic pavement repair where there is an open cut for a pipe crossing, or other location. The installation of pipe under the pavement is a separate bid item. Payment for asphaltic pavement repair is on the square yard basis.

BID ITEMS 171 - 173

Sequence No. 19

PLACE ASPHALTIC PAVEMENT

Thess Bid Items consist of prime coat, tack coat, and pavement surface course of a compacted mixture of graded coarse and fine aggregates and asphaltic material as specified. Payment is on the square yard basis.

BID ITEM 174

Sequence No. 20

INSTALL REINFORCED CONCRETE CURB & GUTTER

This Bid Item includes either the reinforced concrete monolithic curb and gutter and the mountable curb type. It includes preparation of subgrade, forms, reinforcing steel, expansion joint materials, concrete, finishing, and curing. Payment will be by linear feet.

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BID ITEM 175

Sequence No. 21

REPAIR REINFORCED CONCRETE PAVEMENT

This Bid Item consists of concrete pavement repair where there is an open cut for a pipe crossing, or other location. This item includes saw cutting, concrete removal, new concrete, reinforcing steel, and joint sealant. The installation of pipe under the pavement is a separate bid item. Payment for concrete pavement repair is on the square yard basis.

BID ITEMS 176 - 178

Sequence No. 22

CONSTRUCT REINFORCED CONCRETE PAVEMENT 6, 8, and 10 inches depth

These Bid Items consist of portland cement concrete pavements (excluding turning pads and low water crossings covered in other Bid Items) in several thicknesses as indicated on the drawing and as specified. Included are all side forms, reinforcing steel and supports, dowels for curbs, expansion joint materials, control joints, finishing, curing, and testing. Payment is on the square yard basis for each thickness indicated.

BID ITEM 179

Sequence No. 23

CONSTRUCT REINFORCED CONCRETE SIDEWALK

This Bid Item consists of reinforced portland cement concrete walks along streets and in other locations. It includes preparation of the graded and compacted subgrade, cement stabilized sand base, all side forms, reinforcing steel and supports, expansion and contraction joints, control joints, finishing, curing, and testing. Payment is on the square yard basis.

BID ITEM 180

Sequence No. 24

CONSTRUCT SIDEWALK UNDERDRAIN & COVER

This Bid Item consists of the construction of a special section of cast-in-place reinforced concrete with a steel plate cover for drainage under a sidewalk. Payment will be for each location.

BID ITEM 181

Sequence No. 25

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CONSTRUCT CONCRETE SWALE - Type "A"

This Bid Item consists of a cast-in-place reinforced concrete swale as shown on the drawings. Payment will be by linear feet.

BID ITEM 182

Sequence No. 26

CONSTRUCT CONCRETE SWALE - TYPE "B"

This Bid Item consists of a cast-in-place reinforced concrete swale that varies in width. Payment will be by the square feet.

BID ITEM 183

Sequence No. 27

CONSTRUCT GRASS SWALE

This Bid Item consists of grading of a drainage swale within the housing area as located on the detailed site drawings. Payment will be by the linear feet. Solid sod grass is included in this pay item.

BID ITEM 184

Sequence No. 28

CONSTRUCT CONCRETE TRAPEZOIDAL DITCH

This bid item consist of grading and constructing the drainage ditch in accordance with the drawings. Payment is by the square feet.

BID ITEM 185

Sequence No. 29

CONSTRUCT GRASS TRAPEZOIDAL DITCH

This bid item consist of grading and constructing the drainage ditch in accordance with the drawings. Payment is by the square feet.

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BID ITEMS 186 - 188
PLACE TOPSOIL

Drawing: none

These Bid Items consist of furnishing and spreading topsoil in all areas designated by the drawings for separate bid items and the detailed site drawing. Payment will be by the square yard for the placed and compacted into place.

BID ITEMS 189 - 191
PLACE HYDROMULCH SEEDING

Drawing: none

These Bid Items consist of seeding, fertilizing, mulching, and maintaining of areas as specified and as indicated on the detailed site drawings. It includes verification of placement and raking for preparation of topsoil before applying the hydromulch seeding. Payment will be on a square yard basis.

BID ITEMS 192 - 194
ESTABLISHMENT OF TURF

Drawing: None

These Bid Items consist of seeding, fertilizing, mulching, and maintaining of areas as specified and as indicated on the detailed site drawings. It includes verification of placement and raking for preparation of topsoil before establishment of turf. Payment will be on a square yard basis.

BID ITEMS 195 - 196
PLACE SOLID SODDING

Drawing: none

These Bid Items consist of furnishing and installing solid sod grass in areas that are disturbed by other work or designated on the drawings to receive solid sod. It includes verification of placement and raking for preparation of topsoil, furnishing and applying bank sand, fertilizer, tamping and rolling, watering and mowing as specified. Payment will be on a square yard basis.

BID ITEM 197

Drawing: none

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POINT REPAIR STORM SEWER (12-24 inches)

This Bid Item consists of excavation and repair of broken or open joints in 12-24 inches RCP, and backfill in accordance with section 02763 of the specifications. Payment will be for each location.

BID ITEM 198

Drawing: none

POINT REPAIR STORM SEWER (30-54 inches)

This Bid Item consists of excavation and repair of broken or open joints in 30-54 inches RCP, and backfill in accordance with section 02763 of the specifications. Payment will be for each location.

BID ITEM 199

Drawing: none

REMOVE CHAIN-LINK FENCE

This Bid Item consists of the removal of existing chain-link fences in order to prepare for new grading elevations for proper drainage of yard areas. Payment for removal and disposal of existing chain-link fencing will be done by linear feet of fence. Replacement of the fence will be done by a separate bid item listed elsewhere.

BID ITEM 200

Sequence No. 30

INSTALL CHAIN LINK FENCE

This Bid Item consists of the installation of chain-link fencing, including new posts set into concrete footings, diamond mesh, gate, and all other work adjacent and incidental that is required for a complete and finished installation. This detail will be used where a limited amount of fence is to be replaced. Payment will be by linear feet of fence.

BID ITEM 201

Sequence No. 31

INSTALL CHAIN LINK FENCE & CONCRETE CURB

This Bid Item consists of the installation of chain-link fencing, including new posts set into concrete footings, a continuous reinforced concrete curb set flush with the ground, diamond mesh, gate, and all other work adjacent and incidental that is required for a complete and finished installation. Payment will be by linear feet of fence.

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BID ITEM 202

Drawing: none

REMOVE WOODEN FENCE

This Bid Item consists of the removal of existing wood fencing and posts, including any concrete supports, to allow for other work to be done for the drainage and erosion control. Off post disposal of all materials is the responsibility of the Contractor. Replacement of the fence will be done by a separate bid item listed elsewhere. Payment for removal and disposal of the entire existing wood fencing system will be done by linear feet of fence.

BID ITEM 203

Sequence No. 32

INSTALL WOODEN FENCE

This Bid Item consists of the installation of new wood fencing, including new steel posts set into concrete footings, gate, and all other work adjacent and incidental that is required for a complete and finished installation. This item detail is similar to the bid item for chain link fencing. While the steel posts are identical, the only difference is the wood shadow box instead of diamond mesh. Payment will be by linear feet of fence.

BID ITEM 204

Sequence No. 33

INSTALL WOODEN FENCE WITH CONCRETE CURB

This Bid Item consists of the installation of new wood fencing, including new steel posts set into concrete footings, a continuous reinforced concrete curb, gate, and all other work adjacent and incidental that is required for a complete and finished installation. This item detail is similar to the bid item for chain link fencing. While the concrete curb and the steel posts are identical, the only difference is the wood shadow box instead of diamond mesh. Payment will be by linear feet.

BID ITEM 205

Sequence No. 34

CONSTRUCT TYPE "A" CONCRETE RETAINING WALL

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This Bid Item consists of the installation of a low concrete retaining walls. The item includes all excavation, form work, reinforcing steel, concrete, filter fabric and drainage fill or prefabricated geotechnical foundation drainage system, weep holes, select backfill, as indicated on the drawings, and all other work adjacent and incidental that is required for a complete and finished installation. Payment will be by linear feet.

BID ITEM 206

Sequence No. 35

CONSTRUCT CONCRETE TYPE "A" RETAINING WALL & CHAIN LINK FENCE

This Bid Item is identical to the Type "A" Concrete Retaining Wall, except that a chain link fence is included consisting of new steel posts and new diamond mesh. Payment will be by linear feet.

BID ITEM 207

Sequence No. 36

CONSTRUCT TYPE "A" CONCRETE RETAINING WALL & WOOD FENCE

This Bid Item includes a wood fence. Payment will be by linear feet.

BID ITEM 208

Sequence No. 37

CONSTRUCT TYPE "B" CONCRETE RETAINING WALL & CHAIN LINK FENCE

This Bid Item is similar except that the concrete retaining wall is higher where it may be needed. The chain link fence is only 0.9 meters high and primarily functions as a safety barrier. Payment will be by linear feet.

BID ITEM 209

Sequence No. 38

CONSTRUCT TYPE "B" CONCRETE RETAINING WALL & WOOD FENCE

This Bid Item includes a wood fence. Payment will be by linear feet.

BID ITEM 210

Sequence No. 39

CONSTRUCT TYPE "C" CONCRETE RETAINING WALL & CHAIN LINK FENCE

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This Bid Item consists of a cast-in-place reinforced concrete retaining wall that incorporates a drainage channel at the top to intercept water flowing from the hillside above. It includes all excavation, form work, reinforcing steel, concrete, filter fabric and drainage fill or prefabricated geotechnical foundation drainage system, weep holes, select backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The height of the wall may vary between 4 and 6 feet high. Payment will be by linear feet of wall.

BID ITEM 211

Sequence No. 40

CONSTRUCT TYPE "D1" RETAINING WALL

This Bid Item consists of a system of prefabricated concrete masonry units interlocked together to form low retaining walls of different heights. At least six manufacturers are known to be available and furnish competitive systems that are similar but vary according to proprietary designs. The bid item includes all excavation, reinforced concrete foundation, precast concrete masonry units and all accessories, cap stone, drainage fill, select backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The height of the wall may vary where it is used for tree root protection to avoid erosion on steep slopes and other locations. Payment will be by linear feet of wall.

BID ITEM 212

Sequence No. 41

CONSTRUCT TYPE "D2" RETAINING WALL

This Bid Item consists of a system of prefabricated concrete masonry units interlocked together to form retaining walls of different heights from four to six feet that include structural synthetic, or geotechnical fabric, reinforcement within a coherent mass of select structural fill material and ground water drainage. At least six manufacturers are known to be available and furnish competitive systems that are similar but vary according to proprietary designs. This bid item includes all excavation, reinforced concrete foundation, precast concrete masonry units and all accessories, cap stone, drainage fill, structural synthetic fabric reinforcement, select backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The height of the wall may vary where it is used for tree root protection on steep slopes and other locations. Payment will be by linear feet of wall.

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BID ITEM 213

Sequence No. 42

CONSTRUCT TYPE "D3" RETAINING WALL

This Bid Item consists of a system of prefabricated concrete masonry units interlocked together to form retaining walls of different heights from seven to nine feet that include structural synthetic, or geotechnical fabric, reinforcement within a coherent mass of select structural fill material and ground water drainage. At least six manufacturers are known to be available and furnish competitive systems that are similar but vary according to proprietary designs. This bid item includes all excavation, reinforced concrete foundation, precast concrete masonry units and all accessories, cap stone, drainage fill, structural synthetic fabric reinforcement, select backfill, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. The height of the wall may vary where it is used for tree root protection on steep slopes and other locations. Payment will be by linear feet of wall.

BID ITEM 214

Sequence No. 43

CONSTRUCT TYPE "E" RETAINING WALL AT OFFSET FLOOR SLABS

This Bid Item consists of a retaining wall and drainage. Payment will be by linear feet of wall.

BID ITEMS 215 - 217

Sequence No. 44

CONSTRUCT DRILLED SHAFTS (12 inches DIAMETER), (18 inches DIAMETER) (24 inches DIAMETER)

These Bid Items consist of drilled and reinforced concrete shafts in several different diameters, as may be needed, for foundations under structures because of certain subsurface soils conditions. Payment will be by vertical feet for each of the diameters as indicated.

BID ITEM 218

Drawing: none

CONSTRUCT RIPRAP

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This Bid Item consists of broken concrete or stone blocks, generally in cubic form. It includes any excavation required and preparation of the subgrade for placing the riprap to slopes, lines, and grades as shown on the drawings. Payment will be by the cubic yard.

BID ITEM 219

Sequence No. 45

CONSTRUCT FLEXIBLE CONCRETE REVETMENT

This Bid Item consists of a flexible erosion control system comprised of precast, three directional interlocking concrete components overlaying a geotextile. The bid item includes subgrade preparation, geotextile, precast concrete components, infilling the spaces with topsoil to cover the exposed geotextile and to facilitate the growth of grass, and seeding. Payment for the flexible concrete revetment and all related work will be by the square yard.

BID ITEM 220

Sequence No. 46

CONSTRUCT REINFORCED CONCRETE SLOPE PAVEMENT (4 inches)

This Bid Item consists of cast-in-place reinforced concrete paving on slopes to prevent erosion. It includes slope preparation and compaction, reinforcement, joints, weep holes and portland cement concrete in accordance with the drawings and specifications. Excavation will be under a separate bid item. Payment will be by square yard.

BID ITEM 221

Drawing: none

SEAL CRACKS/JOINTS IN REINFORCED CONCRETE STRUCTURES

This Bid Item consists of sealing of cracks/joints in existing reinforced concrete structures such as existing headwalls, aprons, slope paving, swales, etc., in accordance with section 02523 of the specifications. Payment will be by linear feet.

BID ITEM 222

Sequence No. 47

INSTALL WELDED STEEL HANDRAIL

This Bid Item consists of a welded steel handrail. Payment will be by linear feet.

BID ITEM 223

Drawing: none

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CONSTRUCT STEEL REINFORCING FOR CONCRETE STRUCTURES

This Bid Item consists of reinforcing steel for any concrete structures not included in other bid items and must be designed for special conditions. Payment will be by the pounds of reinforcing steel.

BID ITEM 224

Drawing: none

CONSTRUCT STRUCTURAL CONCRETE

This Bid Item consists of concrete and all form work for any cast-in-place structures not included in other bid items that must be designed for special conditions. Payment will be by the cubic yard of concrete. Reinforcing steel, excavation, and any other items are included in separate bid items.

BID ITEM 225

Sequence No. 48

ADJUST SANITARY SEWER CLEAN-OUT TO GRADE

This Bid Item consists of removal of an existing sanitary sewer clean-out and the installation of a new clean-out at an elevation consistent with the new drainage grades. It includes all excavation, cutting the existing pipe, replacement with all new fittings and new sanitary sewer pipe vertical adjustment. It also includes compacted backfill, topsoil and solid sodding, and all other work adjacent and incidental that may not already be included in general conditions to provide for a complete and finished installation. Payment will be for each location.

BID ITEM 226

Sequence No. 49

INSTALL SANITARY SEWER SERVICE LINE

This Bid Item consists of replacement of sanitary sewer pipes that need to be relocated because of development of plans for storm drainage or erosion control. Payment will be by linear feet.

BID ITEMS 227 - 228

Drawing: none

INSTALL WATER SERVICE LINE (3/4 – 1 ½ inch) and (2 – 4 inches)

These Bid Items consist of replacement of underground water pipes to be relocated because of development of plans for drainage or erosion control. The bid item will be for copper, iron, or PVC pipe,

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because the new pipe will be the same as the pipe being replaced. It includes all excavation, backfill, pipe and fittings. Payment will be by linear feet.

BID ITEMS 229 - 230

Drawing: none

INSTALL GAS SERVICE LINE (1/2 - 1 inch) and (1 ¼ - 2 inches)

These Bid Items consist of replacement of underground gas pipes to be relocated because of development of plans for drainage or erosion control. The bid item will be for black iron or polyethylene pipe because the new pipe will be the same as the pipe being replaced. It includes all excavation, backfill, pipe and fittings. Payment will be by linear feet.

BID ITEM 231

Sequence No. 50

INSTALL SPLASH BLOCK

This Bid Item consists of precast concrete splash blocks to be placed at roof drainage downspouts in locations to control erosion and prevent damage to new work. Payment will be for each splash block in place.

BID ITEMS 232 - 234

Sequence No. 51

PROVIDE & PLANT TREE - TYPE "A", "B", and "C"

These Bid Items consist of providing and planting several different types of trees according to the schedule in locations as shown on the detailed site drawings. Payment will be for each tree of each type planted.

BID ITEMS 235 - 237

Sequence No. 52

PROVIDE & PLANT TREE - TYPE "D", "E", and "F"

These Bid Items consist of providing and planting several different types of trees according to the schedule in locations as shown on the detailed site drawings. Payment will be for each tree of each type planted.

BID ITEMS 238 - 240

Similar to Sequence No. 52

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REMOVE AND TRANSPLANT TREE

These Bid Items consist of removing and transplanting several different sizes of trees using the appropriate mechanized tree spade. The method for relocating and planting an existing tree is similar to that for new trees. Payment will be for each tree of each size that is transplanted to a new location.

BID ITEMS 241 - 244

Sequence No. 53

PROVIDE & PLANT SHRUB - TYPE "A", "B", "C", and "D"

These Bid Items consist of providing and planting the several different types of shrubs according to the schedule and detailed site drawings. Payment will be by each shrub of each type planted.

The Bid Item for Type A consists of removing an existing shrub and transplanting it to another location, including "healing in", maintenance, and protection if the shrub is not immediately planted in the new location. The method for planting an existing shrub is similar to that for new shrubs. Payment will be for each shrub transplanted to a new location.

BID ITEM 245

Drawing: none

REMOVE AND REPLACE PLAYGROUND EQUIPMENT

This Bid Item consists of the removal, salvage, and protection of any contiguous unit of playground equipment, including but not limited to swing sets, slide sets, merry-go-round, climber, sandbox, or other playground unit that needs to be removed for work on drainage and erosion control. The bid item also includes the complete reinstallation of the unit of playground equipment in the original location or a location nearby as indicated on the site detailed drawings. Payment will be for each unit.

BID ITEM 246

Sequence No. 54

GRAVEL ROAD SURFACE COURSE

This Bid Item consists of providing the material and construction of 6 inches depth gravel road surface course in accordance with Technical Specification 02544. Payment will be per square yard.

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BID ITEM 247 Sequence No. 54
GLAUCONITE ROAD SURFACE COURSE

This Bid Item consists of providing the material and construction of 6 inches depth glauconite road surface course in accordance with Technical Specification 02545. Payment will be per square yard.

BID ITEM 248 Sequence No. 54
AGGREGATE ROAD SURFACE COURSE

This Bid Item consists of providing the material and construction of 6 inches depth aggregate road surface course in accordance with Technical Specification 02546. Payment will be per square yard.

BID ITEM 249 Sequence No. 54
SEPARATION/FILTRATION GEOTEXTILE MATERIAL

This Bid Item consists of providing and installing geotextile material in accordance with Technical Specification 02272. Payment will be per square yard.

BID ITEM 250 Sequence No. 54
PROCESS FINE GRAIN SUBGRADE MATERIAL

This Bid Item consists of processing 10 inches depth of fine grain subgrade in accordance with Technical Specification 02226 "EARTHWORK FOR ROADWAYS". Payment will be per square yard.

BID ITEM 251 Sequence No. 54
PROCESS COURSE GRAINED SUBGRADE MATERIAL

This Bid Item consists of processing 18 inches depth of course grain subgrade in accordance with Technical Specification 02226. Payment will be per square yard.

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BID ITEMS 252 - 253

Sequence No. 54

PROCESS SUBGRADE MATERIAL WITH LIME

These Bid Items consist of processing various depths of subgrade with 3-percent lime by weight in accordance with Technical Specification 02240. Payment will be per square yard.

BID ITEMS 254 - 256

Sequence No. 54

PROCESS SUBGRADE MATERIAL WITH CEMENT

These Bid Items consist of processing various depths of subgrade with 6-percent cement in accordance with Technical Specification 02239. Payment will be per square yard.

BID ITEM 257

Sequence No. 54

PROOF ROLLING

This Bid Item consists of proof rolling in accordance with Technical Specification 02226. Payment will be by the acre.

BID ITEM 258

Sequence No. 54

EARTHWORK FOR TYPICAL ROADWAYS

This Bid Item consists of unclassified excavation, hauling, filling and compaction within an average right-of-way width of 50 feet to the typical cut and/or fill section shown on Sequence No. 54. This Bid Item assumes a cut/fill balance on the roadway project. Payment will be per mile of roadway work

BID ITEM 259

Sequence No. 54

EARTHWORK FOR OVERTOPPING ROADWAY SECTION

This Bid Item consists of unclassified excavation, hauling, filling and compaction within an average right-of-way width of 50 feet to the overtopping road section shown on Sequence No. 54. This Bid Item assumes a cut/fill balance on the roadway project. Payment will be per mile of roadway work

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BID ITEMS 260 - 262

Drawing: none

FILL MATERIAL FOR ROADWAYS

These Bid Items consist of providing fill material from onsite borrow areas within the distances specified and includes hauling and compaction. Payment will be per cubic yard of material.

BID ITEM 263

Sequence No. 54

OVEREXCAVATE SOFT MATERIAL AND BACKFILL WITH CRUSHED ROCK

This Bid Item consists of excavation of soft material and backfilling with 24 inches depth crushed rock in accordance with Technical Specification 02233. Payment will be per square yard.

BID ITEM 264

Sequence Nos. 55, 56, 57, 58 and 59

CONCRETE TURNING PAD OR HARDENED BOTTOM

This Bid Item consists of 12 inches depth reinforced concrete pavement for turning pads and hardened bottoms. Payment will be per square yard.

BID ITEM 265

Sequence No. 57

TOE FOR HARDENED BOTTOM SECTION

This Bid Item is for the construction of the 18 inches concrete toe along the edge of the hardened bottom section. Payment will be per linear feet.

BID ITEM 266

Sequence No. 57 & 58

CRUSHED ROCK BASE FOR CONCRETE PAVEMENT

This Bid Item is for the construction of the 6 inches depth crushed rock base for concrete pavement in accordance with Technical Specification 02233. Payment will be per square yard.

BID ITEM 267

Sequence No. 62

GUARD POSTS

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This Bid Item is for the construction of guard posts in accordance with Technical Specification 02845.
Payment will be per each.

BID ITEM 268 Sequence No. 63
STREAM GAGE

This Bid Item is for the construction of stream gages. Payment will be per each.

BID ITEM 269 Sequence No. 64
SILT FENCE

This Bid Item is for the construction of additional silt fences required for a project other than erosion control related to construction activities. Payment for silt fences and other erosion control devices for construction related activities shall not be a separate pay item but shall be incidental to the applicable pay item. Payment will be per linear feet.

BID ITEM 270 Sequence No. 65
TRAFFIC SIGNS

This Bid Item is for the construction of traffic signs. Payment of traffic signs will be per each.

BID ITEMS 271 - 275 Sequence No. 66
CULVERT HEADWALLS FOR DOUBLE PIPE

This Bid Item is for the excavation, material, construction and backfill of double pipe culverts. Payment will be per each.

BID ITEMS 276 - 278 Sequence Nos.61 and 75-78
CAST IN PLACE REINFORCED CONCRETE BOX CULVERTS

These Bid Items are for the excavation, material, construction and backfill of various size and spans of reinforced concrete box culverts. Payment for this Bid Item will be per cubic yard of concrete.

Ft Polk IDIQ, Construction Contract for Roads And Drainage
FPI24

BID ITEM 279

Sequence Nos. 67-74

CAST IN PLACE REINFORCED CONCRETE FLARED WINGS FOR BOX CULVERTS

This Bid Item is for the excavation, material, construction and backfill of various sizes of reinforced concrete flared wings for box culverts. Payment for this Bid Item will be per cubic yard of concrete.

BID ITEM 280

Sequence No. 61

CRUSHED ROCK BEDDING FOR BOX CULVERTS

This Bid Item is for the excavation, material and construction of 18 inches depth crushed rock bedding for box culverts. Payment for this Bid Item will be per square feet.

BID ITEMS 281 - 286

Sequence Nos. 61 & 79, 80

PRECAST BOX CULVERT

These Bid Items are for the excavation, material, construction and backfill of various sizes of precast box culverts. Payment for this Bid Item will be per linear feet.

BID ITEM 287

Drawing: none

GRADING OF EXISTING ROADS

This Bid Item is for the grading of existing gravel surface on the Installation varying in width from 18 to 24 feet in width in accordance with Texas Department of Highways and Public Transportation Standard Specification Item 152 "Road Grader Work (Ordinary Compaction)". Payment for this Bid Item will be per mile of road.

BID ITEM 288

Drawing: none

GRADING OF ROAD DITCHES

Ft Polk IDIQ, Construction Contract for Roads And Drainage
FPI24

This Bid Item is for the grading and cleaning out of existing ditches up to 16 feet wide on the installation in accordance with Texas Department of Highways and Public Transportatin Standard Specification Item 152 "Road Grader Work (Ordinary Compaction)". Payment for this Bid Item will be per mile of ditch.

BID ITEMS 289 - 315

Sequence No. 66

CORRUGATED METAL CULVERT PIPE

These Bid Items are for the installation of 0.25mm (0.01 inches) polymeric coated culvert pipe to the lengths specified without joints. Payment for this Bid Item will be per each joint.

BID ITEMS 316 - 318

Sequence No. 66

CORRUGATED POLYETHYLENE CULVERT PIPE

These Bid Items are for the installation of Type C corrugated polyethylene culvert pipe of various diameters. Payment for this Bid Itme will be per linear feet.

BID ITEM 319

FOUR STRAND BARBED WIRE FENCE

This Bid Item is for the installation of 4-strand barb wire fence in accordance with Texas Department of Transportation Specification Item 552. Metal posts shall be 2.5 x 2.5 x ¼ inch minimum galvanized steel angle. Line posts shall be "studded tees" and weigh at least 1.33 pounds per foot. Rails and braces shall be 2 x 2 x ¼ inch minimum galvanized steel angle. Braces shall be 2 x 2 x ¼ inch minimum galvanized steel angle or No. 9 A.S.W. Gage smooth wire. Staples shall be No. 9 galvanized steel wire, 1 inch long. Barbed wire shall consist of No. 12-1/2 gage wire, twisted with two-point No. 14 gage barbs spaced not more than 127mm apart. Payment will be by linear feet of fence installed.

BID ITEM 320 - 321

Sequence 81

CHAIN LINK SECURITY FENCE W/3 STRANDS BARBED WIRE

This bid item is for the installation of 6' or 7' chain link security fence with three strands of barbed wire. Payment will be by linear feet of fence installed.

BID ITEM 322 - 327

Sequence 82

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FPI24

GATES (4' TO 8' LONG)(8' TO 12' LONG)(>12' TO 20' LONG)

This bid item is for the installation of gates for the lengths indicated. Payment will be per each gate.

BID ITEM 328

ADDITIONAL GROUNDING

This bid item is for the installation of additional grounding. Payment will be per each grounding.

BID ITEM 329

Sequence 82

GATE KEEPER

This bid item is for the installation of gate keepers. Payment will be per each gate keeper.

BID ITEM 330

Sequence 82

ROD AND LOCK KEEPER

This bid item is for the installation of rod and lock keepers. Payment will be per each rod and lock keeper.

BID ITEM 331

Sequence 82

DOUBLE ARM W/6 STRANDS OF BARBED WIRE

This bid item is for the installation of double arms with six strands of barbed wire. Payment will be by linear feet of double arms installed.

BID ITEM 332 - 333

CONCRETE CORES

Provide concrete cores in existing pavement for various diameters and depths. Payment will be made per each core.

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FPI24

BID ITEM 334

Drawing: None

TACK WELD SUPPORT ARMS TO FENCE POST

This bid item consists of tack welding the single support arms for three strands of barbed wire to the fence posts. Replace deteriorated single support arms when required. Restring the barbed wire where removal was required to complete the welding. Payment for this Bid Item will be per linear feet of fence.

BID ITEM 335

Drawing: None

CONCRETE WHEEL STOPS

This bid item is for the furnishing and installation of concrete wheel stops. Payment for this Bid Item will be per wheel stop.

-- End of Section --

SECTION 01415

METRIC MEASUREMENTS

09/01

Amendment 0001

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM E 380	(1993) Practice for Use of the International System of Units (SI)
ASTM E 621	(1994; R 1999e1) Practice for Use of Metric (SI) Units in Building Design and Construction

1.2 GENERAL

This project includes metric units of measurements. The metric units used are the International System of Units (SI) developed and maintained by the General Conference on Weights and Measures (CGPM); the name International System of Units and the international abbreviation SI were adopted by the 11th CGPM in 1960. A number of circumstances require that both metric SI units and English inch-pound (I-P) units be included in a section of the specifications. When both metric and I-P measurements are included, the section may contain measurements for products that are manufactured to I-P dimensions and then expressed in mathematically converted metric value (soft metric) or, it may contain measurements for products that are manufactured to an industry recognized rounded metric (hard metric) dimensions but are allowed to be substituted by I-P products to comply with the law. Dual measurements are also included to indicate industry and/or Government standards, test values or other controlling factors, such as the code requirements where I-P values are needed for clarity or to trace back to the referenced standards, test values or codes.

1.3 USE OF MEASUREMENTS

Measurements shall be either in SI or I-P units as indicated, except for soft metric measurements or as otherwise authorized. When only SI or I-P measurements are specified for a product, the product shall be procured in the specified units (SI or I-P) unless otherwise authorized by the Contracting Officer. The Contractor shall be responsible for all associated labor and materials when authorized to substitute one system of units for another and for the final assembly and performance of the specified work and/or products.

1.3.1 Hard Metric

A hard metric measurement is indicated by an SI value with no expressed correlation to an I-P value. Hard metric measurements are often used for field data such as distance from one point to another or distance above the floor. Products are considered to be hard metric when they are manufactured to metric dimensions or have an industry recognized metric designation.

1.3.2 Soft Metric

- a. A soft metric measurement is indicated by an SI value which is a mathematical conversion of the I-P value shown in parentheses (e.g. 38.1 mm (1-1/2 inches)). Soft metric measurements are used for measurements pertaining to products, test values, and other situations where the I-P units are the standard for manufacture, verification, or other controlling factor. The I-P value shall govern while the metric measurement is provided for information.
- b. A soft metric measurement is also indicated for products that are manufactured in industry designated metric dimensions but are required by law to allow substitute I-P products. These measurements are indicated by a manufacturing hard metric product dimension followed by the substitute I-P equivalent value in parentheses (e.g., 190 x 190 x 390 mm (7-5/8 x 7-5/8 x 15-5/8 inches)).

1.3.3 Neutral

A neutral measurement is indicated by an identifier which has no expressed relation to either an SI or an I-P value (e.g., American Wire Gage (AWG) which indicates thickness but in itself is neither SI nor I-P).

1.4 COORDINATION

Discrepancies, such as mismatches or product unavailability, arising from use of both metric and non-metric measurements and discrepancies between the measurements in the specifications and the measurements in the drawings shall be brought to the attention of the Contracting Officer for resolution.

1.5 RELATIONSHIP TO SUBMITTALS

Submittals for Government approval or for information only shall cover the SI or I-P products actually being furnished for the project. The Contractor shall submit the required drawings and calculations in the same units used in the contract documents describing the product or requirement unless otherwise instructed or approved. The Contractor shall use ASTM E 380 and ASTM E 621 as the basis for establishing metric measurements required to be used in submittals.

-- End of Section --