

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE N/A	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0012	3. EFFECTIVE DATE 24 AUGUST 1999	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY LOS ANGELES DISTRICT, COE CESPL-CT-P (S. OLIVER-HALL) P.O. BOX 532711 LOS ANGELES, CA 90053-2325		7. ADMINISTERED BY (If other than Item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code)			(X) 9A. AMENDMENT OF SOLICITATION NO. DACW09-99-B-0010	X 9B. DATED (SEE ITEM 11) 31 AUG 99 (BID OPENING)
CODE			10A. MODIFICATION OF CONTRACT/ORDER NO. N/A	
FACILITY CODE			10B. DATED (SEE ITEM 13) N/A	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> 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 <u>1</u> 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 ACKNOWLEDGEMENT 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 you 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) 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 ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

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.)

RED ROCK CHANNEL, CLARK COUNTY, NEVADA.

- * REPLACE SECTION PAGES 00010-5 AND 00010-6 WITH ENCLOSURE 1.
- * REPLACE SECTION 01250 WITH ENCLOSURE 2.
- * ADD ATTACHMENT 1 TO END OF SECTION 01300.

--- CONTINUED ON BACK OF PAGE ---

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

RED ROCK CHANNEL, (HUALAPAI WAY TO SAHARA AVENUE), CLARK COUNTY, NEVADA.
 1FB NO. DACW09-99-B-0010, Standard Form 30, Amendment #0012 (Continued)

2 Enclosures

1. § 00010, Bidding Schedule
2. § 01250, Measurement and Payment

1 Attachment

1. Submittal Register for Section 01300, Submittal Procedures.

Administrative Corrections to Amendment No. 10

1. The Pedestrian Hand Rail (NDOT - Modified) Standard Drawing located in the back of Section 05500 was modified in Amendment No. 10 to increase the height of the Hand Rail to from 39.5 inches to 45.5 inches. The revision date on the standard drawing should read August 18, 1999 in lieu of July 14, 1999 to reflect the change.
2. The File Numbers for the revised drawings issued in Amendment No. 10 should be read with "Rev. 1" added after the file number.

File Description	Drawing Number	Number
1 Typical Channel Sections	196/42G.1 "Rev. 1"	TY-1
2 Typical Channel Sections	196/427.1 "Rev. 1"	TY-2
3 Red Rock Channel Plan: STA 10+00 TO 24+00	196/430.1 "Rev. 1"	SD-1
4 Red Rock Channel Plan: STA 24+00 TO 39+00	196/431.1 "Rev. 1"	SD-2
5 Red Rock Channel Plan: STA 39+00 TO 54+25	196/432.1 "Rev. 1"	SD-3
6 Red Rock Channel Plan: STA 54+25 TO 69+60	196/433.1 "Rev. 1"	SD-4
7 Red Rock Channel Plan: STA 69+60 TO 84+75	196/434.1 "Rev. 1"	SD-5
8 Red Rock Channel Plan: STA 84+75 TO 100+10	196/435.1 "Rev. 1"	SD-6
9 Red Rock Channel Plan: STA 100+10 TO 115+00	196/436.1 "Rev. 1"	SD-7
10 Red Rock Channel Plan: STA 115+00 TO 129+75	196/437.1 "Rev. 1"	SD-8
11 Red Rock Channel Plan: STA 129+75 TO 142+00	196/438.1 "Rev. 1"	SD-9
12 Red Rock Channel Plan: STA 142+00 TO 145+15.00	196/439.1 "Rev. 1"	SD-10
13 Red Rock Channel Profile: STA 39+00 to 54+25	196/442.1 "Rev. 1"	SD-13
14 Red Rock Channel - Fence Plan	196/458.1 "Rev. 1"	F1
15 Red Rock Channel - Fence Plan	196/459.1 "Rev. 1"	F2
16 Red Rock Channel - Fence Plan	196/460.1 "Rev. 1"	F3
17 Red Rock Channel - Fence Plan	196/461.1 "Rev. 1"	F4
18 Red Rock Channel - Fence Plan	196/462.1 "Rev. 1"	F5
19 Red Rock Channel - Fence Plan	196/463.1 "Rev. 1"	F6
20 Red Rock Channel - Fence Plan	196/464.1 "Rev. 1"	F7
21 Red Rock Channel - Fence Plan	196/465.1 "Rev. 1"	F8
22 Red Rock Channel - Fence Plan	19G/466.1 "Rev. 1"	F9
23 Red Rock Channel - Channel Details	196/470.1 "Rev. 1"	S-3
24 Red Rock Channel - 71 x 41 RCE Intersection Structural Details	196/471.1 "Rev. 1"	S-4
25 Red Rock Channel - Single Cell Box Channel	196/472.1 "Rev. 1"	S-5
26 Red Rock Channel - Reinforced Concrete Box Details	196/473.1 "Rev. 1"	S-6
27 Red Rock Channel - Reinforced Concrete Box Details	196/474.1 "Rev. 1"	S-7
28 Red Rock Channel - Confluence Structure Details	196/475.1 "Rev. 1"	S-8
29 Red Rock Channel - Transition Structure at Existing 9611 CIPCP	196/477.1 "Rev. 1"	S-10
30 Red Rock Channel - Joint Details	196/478.1 "Rev. 1"	S-11

...END OF DOCUMENT ---

ENCLOSURE TO AMENDMENT NO. 0012

SECTION 00010
 SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	TRAFFIC CONTROL	1.00	JB	LS	\$ _____
0002	DIVERSION AND CONTROL OF WATER	1.00	JB	LS	\$ _____
0003	CLEAR SITE AND REMOVE OBSTRUCTIONS	1.00	JB	LS	\$ _____
0004	EXCAVATION	174,800.00	CY	\$ _____	\$ _____
0005	COMPACTED FILL	10,160.00	CY	\$ _____	\$ _____
0006	CONCRETE, INVERT	6,602.00	CY	\$ _____	\$ _____
0007	CONCRETE, SIDESLOPE	6,360.00	CY	\$ _____	\$ _____
0008	CONCRETE, CUT-OFF WALL	882.00	CY	\$ _____	\$ _____
0009	CONCRETE, WALLS	5,290.00	CY	\$ _____	\$ _____
0010	CONCRETE, TOP SLAB	942.00	CY	\$ _____	\$ _____
0011	CONCRETE APRONS	1.00	JB	LS	\$ _____
0012	CHANNEL TRANSITION STA. 17+00 TO STA. 19+35	1.00	JB	LS	\$ _____
0013	BOX CULVERT STA. 10+00 TO STA. 10+22	1.00	JB	LS	\$ _____
0014	BOX CULVERT STA. 32+00 TO STA. 33+70	1.00	JB	LS	\$ _____
0015	INVERT ACCESS RAMP STA. 41+66.47 TO STA. 43+18.68	1.00	JB	LS	\$ _____
0016	BOX CULVERT STA. 45+56.54 TO STA. 47+80.54	1.00	JB	LS	\$ _____
0017	BOX CULVERT STA. 50+00.05 TO STA. 50+50.05	1.00	JB	LS	\$ _____
0018	BOX CULVERT STA. 87+00 TO STA. 88+86.32	1.00	JB	LS	\$ _____
0019	BOX CULVERT STA. 129+98.96 TO STA. 145+15.00	1.00	JB	LS	\$ _____
0020	7' x 4' RCB STUB, STA. 45+24.70	1.00	JB	LS	\$ _____
0021	SIDE DRAIN, STA. 134+69.29 LT.	1.00	JB	LS	\$ _____
0022	SIDE DRAIN, STA. 137+05.00 LT.	1.00	JB	LS	\$ _____
0023	REINFORCING STEEL	1,122.00	TN	\$ _____	\$ _____
0024	18" RCP, CLASS III	64.00	LF	\$ _____	\$ _____
0025	24" RCP, CLASS III	16.00	LF	\$ _____	\$ _____
0026	24" HDPE PIPE	10.00	LF	\$ _____	\$ _____
0027	48" TYPE I MANHOLE	4.00	EA	\$ _____	\$ _____
0028	60" TYPE I MANHOLE	1.00	EA	\$ _____	\$ _____
0029	ASPHALTIC CONCRETE PAVEMENT	3,865.00	TN	\$ _____	\$ _____

ENCLOSURE TO AMENDMENT NO. 0012
 RED ROCK CHANNEL
 HUALAPAI WAY TO SAHARA AVENUE

W99B0010

0030	AGGREGATE BASE COURSE	7,130.00	TN	\$ _____	\$ _____
0031	RIPRAP	1,660.00	TN	\$ _____	\$ _____
0032	WEEPHOLE SYSTEM	1.00	JB	LS	\$ _____
0033	NDOT TYPE "R" PEDESTRIAN RAIL (MODIFIED)	9,700.00	LF	\$ _____	\$ _____
0034	FLOW MONITORING STATION	1.00	JB	LS	\$ _____
0035	CHAIN LINK FENCE	9,620.00	LF	\$ _____	\$ _____
0036	DOUBLE SWING GATES	7.00	EA	\$ _____	\$ _____
0037	FENCE POST SLEEVES	1.00	JB	LS	\$ _____
0038	INVERT ACCESS LADDERS	1.00	JB	LS	\$ _____
0039	DETOUR @ SAHARA AVENUE	1.00	JB	LS	\$ _____
0040	REMOVE CIPCP/CMP AT SAHARA AVENUE	1.00	JB	LS	\$ _____
0041	PROTECTION OF EXISTING SANITARY SEWER LINE STA. 88+25.65	1.00	JB	LS	\$ _____
0042	PROTECTION OF UTILITIES @ TOWN CENTER DRIVE	1.00	JB	LS	\$ _____
0043	SOIL STABILIZER	18.60	AC	\$ _____	\$ _____

AMD 12

TOTAL ESTIMATED AMOUNT \$ _____

END OF SECTION 00010

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01250

MEASUREMENT AND PAYMENT

1.	GENERAL	SECTION 01250	PAGE 1
2.	TRAFFIC CONTROL	SECTION 01250	PAGE 1
3.	DIVERSION AND CONTROL OF WATER.....	SECTION 01250	PAGE 1
4.	CLEAR SITE AND REMOVE OBSTRUCTIONS.....	SECTION 01250	PAGE 1
5.	EXCAVATION	SECTION 01250	PAGE 1
	5.1. Measurement	SECTION 01250	PAGE 1
	5.2. Payment	SECTION 01250	PAGE 2
	5.2.1. Subgrade Preparation.....	SECTION 01250	PAGE 2
	5.2.2. Unsatisfactory Soils.....	SECTION 01250	PAGE 2
	5.2.3. Excavation for Structures.....	SECTION 01250	PAGE 2
	5.2.4. Trenches	SECTION 01250	PAGE 2
	5.2.5. Shoring	SECTION 01250	PAGE 2
6.	FILLS	SECTION 01250	PAGE 2
	6.1. Measurement	SECTION 01250	PAGE 2
	6.2. Payment	SECTION 01250	PAGE 2
	6.2.1 Compacted Fill.....	SECTION 01250	PAGE 2
	6.2.2 Fill for Structures.....	SECTION 01250	PAGE 3
	6.2.3 Trenches	SECTION 01250	PAGE 3
	6.2.4 Subgrade Preparation.....	SECTION 01250	PAGE 3
7.	CONCRETE	SECTION 01250	PAGE 3
	7.1. Measurement	SECTION 01250	PAGE 3
	7.2. Payment	SECTION 01250	PAGE 3
	7.2.1. Concrete, Invert Slab.....	SECTION 01250	PAGE 3
	7.2.2. Concrete, Side Slope.....	SECTION 01250	PAGE 3
	7.2.3. Concrete, Cut-off Wall.....	SECTION 01250	PAGE 4
	7.2.4. Concrete, Walls	SECTION 01250	PAGE 4
	7.2.5. Concrete, Top Slab.....	SECTION 01250	PAGE 4
	7.2.6. Concrete, Transition.....	SECTION 01250	PAGE 4
	7.2.7. Concrete Aprons	SECTION 01250	PAGE 4
8.	CHANNEL TRANSITION, STA 17+00 TO STA 19+35.....	SECTION 01250	PAGE 4
9.	BOX CULVERT, STA 10+00 TO STA 10+22.....	SECTION 01250	PAGE 4
10.	BOX CULVERT, STA 32+00 TO STA 33+70.....	SECTION 01250	PAGE 4
11.	INVERT ACCESS RAMP, STA 41+66.47 TO STA 43+18.88.....	SECTION 01250	PAGE 5
12.	BOX CULVERT, STA 45+56.54 TO STA 47+80.54.....	SECTION 01250	PAGE 5
13.	BOX CULVERT, STA 50+00.05 TO STA 50+50.05.....	SECTION 01250	PAGE 5
14.	BOX CULVERT, STA 87+00 TO STA 88+86.32.....	SECTION 01250	PAGE 5
15.	BOX CULVERT, STA 129+98.96 TO STA 145+15.00.....	SECTION 01250	PAGE 5
16.	7' X 4' RCB STUB, STA. 45+24.70.....	SECTION 01250	PAGE 6
17.	SIDE DRAINS	SECTION 01250	PAGE 6
18.	REINFORCING STEEL	SECTION 01250	PAGE 6
	18.1. Measurement	SECTION 01250	PAGE 6
	18.2. Payment	SECTION 01250	PAGE 6
19.	REINFORCED CONCRETE PIPE	SECTION 01250	PAGE 6
	19.1. Measurement	SECTION 01250	PAGE 6
	19.2. Payment	SECTION 01250	PAGE 6
20.	HDPE PIPE		
	20.1. Measurement	SECTION 01250	PAGE 7
	20.2. Payment	SECTION 01250	PAGE 7
21.	TYPE I MANHOLES	SECTION 01250	PAGE 7
22.	ASPHALT CONCRETE PAVEMENT.....	SECTION 01250	PAGE 7
	22.1. Measurement	SECTION 01250	PAGE 7
	22.2. Payment	SECTION 01250	PAGE 7

23. AGGREGATE BASE COURSESECTION 01250 PAGE 8
 23.1. MeasurementSECTION 01250 PAGE 8
 23.2. PaymentSECTION 01250 PAGE 8
 24. RIPRAPSECTION 01250 PAGE 8
 24.1. MeasurementSECTION 01250 PAGE 8
 24.2. PaymentSECTION 01250 PAGE 8
 25. WEEPHOLE SYSTEMSECTION 01250 PAGE 8
 26. NDOT TYPE "R" PEDESTRIAN HAND RAIL (MODIFIED).....SECTION 01250 PAGE 8
 27. FLOW MONITORING STATION.....SECTION 01250 PAGE 8
 28. CHAIN LINK FENCESECTION 01250 PAGE 8
 28.1. MeasurementSECTION 01250 PAGE 8
 28.2. PaymentSECTION 01250 PAGE 9
 29. DOUBLE SWING GATESSECTION 01250 PAGE 9
 29.1. MeasurementSECTION 01250 PAGE 9
 29.2. PaymentSECTION 01250 PAGE 9
 30. FENCE POST SLEEVESSECTION 01250 PAGE 9
 31. INVERT ACCESS LADDERSSECTION 01250 PAGE 9
 32. DETOUR @ SAHARA AVENUESECTION 01250 PAGE 9
33. REMOVE CIPCP/CMP AT SAHARA AVENUE.....SECTION 01250 PAGE 9
 34. PROTECTION OF EXISTING SANITARY SEWER LINE, STA 88+5 SECTION 01250 PAGE 9
 35. PROTECTION OF UTILITIES AT TOWN CENTER DRIVE.....SECTION 01250 PAGE 10
 36. SOIL STABILIZER SECTION 01250 PAGE 10
 36.1. MeasurementSECTION 01250 PAGE 10
 36.2. PaymentSECTION 01250 PAGE 10

-- End of Table of Contents --

SECTION 01250

MEASUREMENT AND PAYMENTS

1. GENERAL.

The contract price and payment shall constitute full compensation as stated in the Contract Clause, CONTRACT PRICES - BIDDING SCHEDULES, for completion of the work. No separate payment will be made for any material or work covered in this specification, but not specifically mentioned as part of a bid item, and all costs into which the work pertains or considered incidental to all bid items. As stated on Contract Clause, SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION, the word "provided" shall be understood to mean "furnished and installed" when used in this section or elsewhere in the Technical sections.

2. TRAFFIC CONTROL.

Payment for traffic control will be made at the applicable contract price, which payment shall constitute full compensation for traffic control including but not limited to earthwork and grading, construction and removal of temporary roadways; providing safety barriers; providing traffic warning and control signs and lighting; stripping; flagmen as required.

3. DIVERSION AND CONTROL OF WATER.

Payment for Diversion and Control of Water will be made at the applicable contract price, which payment shall constitute full compensation for maintaining the work area in a dry condition.

4. CLEAR SITE AND REMOVE OBSTRUCTIONS.

Payment shall include all costs for clearing, removal, replacement, and restoration work (except work by others) including all existing obstructions within the construction work area. Except as otherwise specified, payment for clearing and removal work includes applicable earthwork; filling holes; removal of abandoned utility lines; removal of existing surface trash and debris, including trees and vegetation, and grubbing from within the Channel right-of-way and temporary construction easement; protection, replacement or restoration of existing structures and features indicated and disposal of all materials. Payment for Clear Site and Remove Obstructions will be made at the applicable contract price, which payment shall constitute full compensation for clearing, obstruction removal, and protection work, complete.

5. EXCAVATION.

5.1. Measurement.

A survey of the site shall be made prior to commencement of work, and all measurements will be based on this survey without regard to any changes in the site that may be made between the excavation lines and grades indicated on the drawings or staked in the field and the ground surfaces as indicated by the above mentioned survey. The quantity of directed excavation necessary for the removal of unsatisfactory foundation material as specified shall be included in the measurement of the excavation where the unsuitable soils are encountered. Quantities will be computed in cubic yards by the average end area method and the planimeter will be considered a precise instrument for measurement of plotted cross sections. All excavation outside of excavation lines shown on the drawings will be considered as being for the convenience of the Contractor.

5.2. Payment.

Payment for excavation will be made at the applicable contract price, which payment shall constitute full compensation for excavating the channel, and other areas as indicated on the drawings, including shoring, rock removal, and cemented alluvium excavation; shaping and trimming of areas to receive concrete; crushing or otherwise processing, loading, stockpiling, hauling, and placing suitable materials for compacted fill and miscellaneous fill; loading, stockpiling, hauling, stockpiling of excess suitable excavated materials no larger than 12 inches in size at disposal site shown on Drawing No. C-2; and any costs associated with disposal of excess excavated materials in areas other than those shown on the drawings, complete. Payment will not be included for excavation (including shoring) outside the excavation limits indicated on the drawings or staked in the field, and other excavation requirements for which separate payments are provided.

5.2.1. Subgrade Preparation.

No separate payment will be made for subgrade preparation and all costs in connection therewith shall be included in the contract prices for the items to which the work applies.

5.2.2. Unsatisfactory Soils.

No separate payment will be made for the excavation and disposal of unsatisfactory soils. When such excavation is directed, payment therefore will be included in the applicable contract price for the items of work under which the unsatisfactory soils are encountered.

5.2.3. Excavation for Structures.

No separate payment will be made for excavation for structures. All costs therefore shall be included in the applicable contract item to which the work applies.

5.2.4. Trenches.

No separate payment will be made for excavation of utility and side drain trenches. All costs therefore shall be included in the applicable contract prices for the items to which the work applies.

5.2.5. Shoring.

When shoring is indicated or directed for items for which separate payment is made, payment will be included in the applicable contract price for the items of work under which the shoring is placed.

6. FILLS.

6.1. Measurement.

Measurement for fills will be made between the excavation and structure lines and the fill limit lines, or between the ground lines and fill lines, as indicated or staked in the field. Quantities will be computed in cubic yards by the average end area method and the planimeter will be considered a precise instrument for measuring plotted cross sections.

6.2. Payment.

6.2.1 Compacted Fill.

Payment for compacted fill will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, backfilling the channel walls, and compacting the fills, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

6.2.2 Fill for Structures.

No separate payment will be made for fill or backfill around structures. All such costs shall be included in the applicable contract prices for structure items to which the work applies.

6.2.3 Trenches.

No separate payment will be made for backfilling for utilities, side drains and confluences. All costs in connection therewith shall be included in the contract prices for items to which the work applies.

6.2.4 Subgrade Preparation.

No separate payment will be made for subgrade preparation and all costs in connection therewith shall be included in the contract prices for items to which the work applies.

7. CONCRETE.

7.1. Measurement.

Measurement of concrete will be made on the basis of the actual volume, in cubic yards, of concrete within the pay lines of the concrete invert slab, walls, top slab, and slope protection as shown on the drawings. Measurement of concrete placed against the sides of any excavation without the use of intervening forms will be made only within the pay lines of the structures. No deductions will be made for rounded or beveled edges or space occupied by metalwork, nor voids or embedded items which are either less than 0.2 cubic yards in volume or one-tenth of square yard in cross section. Concrete placed in items of work other than those specifically mentioned above, and concrete wasted or used for the convenience of the Contractor will not be included in measurement for payment.

7.2. Payment.

Payment for the concrete items will be made at the applicable contract prices for the various items of the schedule, which payments shall constitute full compensation for labor, materials (except reinforcing steel for which separate payment is provided), joint sealant, forming, furnishing, curing, and for all equipment and tools to complete the concrete work. Embedded items shall be included in the cost of the concrete except when other payment is specifically provided. No payment will be made for concrete, as such, which is placed in structures for which payment is made on a lump sum basis.

7.2.1. Concrete, Invert Slab.

Payment for "concrete, invert slab" will be made at the applicable contract price, which shall constitute full compensation for all concrete placed for the invert slab of the channel, keys, and starter walls, complete.

7.2.2. Concrete, Side Slope.

Payment for "concrete, side slope" will be made at the applicable contract

price, which payment shall constitute full compensation for all concrete placed in the trapezoidal channel side slopes, excluding the cut-off walls, complete.

7.2.3. Concrete, Cut-off Wall.

Payment for "concrete, cut-off wall" will be made at the applicable contract price, which payment shall constitute full compensation for all concrete placed in the cut-off walls, complete.

7.2.4. Concrete, Walls.

Payment for "concrete, walls" will be made at the applicable contract price, which payment shall constitute full compensation for all concrete placed above the starter walls in the vertical walls of the channel, the walls of the warped transition structures, complete.

7.2.5. Concrete, Top Slab.

Payment for "Concrete, top slab" will be made at the applicable contract price, which payment shall constitute full compensation for all concrete placed for the top slab including headwalls @ RCB, complete.

7.2.6 Concrete, Transition

Payment for "concrete, transition" and all costs in connection therewith shall be included in the contract prices for "concrete walls" and "concrete, invert slab" or to the applicable contract price for which the work applies.

7.2.7 Concrete Aprons

Payment for the Concrete Aprons will be made at the applicable contract price, which payment shall constitute full compensation for all concrete placed for the concrete aprons, complete.

8.0 CHANNEL TRANSITION, STA 17+00 to STA 19+35

Payment for the concrete channel transition (Sta. 17+00 to Sta. 19+35) will be made at the applicable contract price, which payment shall constitute full compensation for the channel transition, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings, except for pedestrian hand rail, chain link fencing, and weep hole system.

9.0 BOX CULVERT, STA. 10+00 to STA. 10+22

Payment for the concrete box culvert (Sta. 10+00 to Sta. 10+22) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; removal of plywood plug, and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, and weep hole system.

10.0 BOX CULVERT, STA. 32+00 to STA. 33+70

Payment for the concrete box culvert (Sta. 32+00 to Sta. 33+70) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing

and curing concrete; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, and weep hole system.

11.0 INVERT ACCESS RAMP, STA. 41+66.47 to STA. 43+18.88

Payment for the Invert Access Ramp (Sta. 41+66.47 to Sta. 43+18.88) will be made at the applicable contract price, which payment shall constitute full compensation for the invert access ramp, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gate, and weep hole system.

12.0 BOX CULVERT, STA. 45+56.54 to STA. 47+80.54

Payment for the concrete box culvert (Sta. 45+56.54 to Sta. 47+80.54) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; temporary traffic detour; removal, disposal, and replacement of existing road surfacing and type II material; removal, disposal and replacement of existing curb and gutter; pavement markings; demolition, removal and disposal of existing 60" CMP; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gate, and weep hole system.

13.0 BOX CULVERT, STA. 50+00.05 to STA. 50+50.05

Payment for the concrete box culvert (Sta. 50+00.05 to Sta. 50+50.05) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gates, and weep hole system.

14.0 BOX CULVERT, STA. 87+00 to STA. 88+86.32

Payment for the concrete box culvert (Sta. 87+00 to Sta. 88+86.32) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; temporary traffic detour; removal, disposal, and replacement of existing road surfacing and type II material; removal, disposal, and replacement of existing curb and gutter; pavement markings; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gate, and weep hole system.

15.0 BOX CULVERT, STA. 129+98.96 to STA. 145+15.00

Payment for the concrete box culvert (Sta. 129+98.96 to Sta. 145+15.00) will be made at the applicable contract price, which payment shall constitute full compensation for the box culvert, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; demolition, removal and disposal of existing riprap; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gate, and weep hole system.

16.0 7' x 4' RCB STUB, STA. 45+24.70

Payment for the reinforced concrete box (RCB) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB, complete, including excavation and disposal; compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for pedestrian hand rail, chain link fencing, double swing gate, and weep hole system.

17.0 SIDE DRAINS @ STA 134+69.29 LT. and STA 137+05.00 LT.

Payment for side drain and stub-outs will be made at the applicable contract price, which payment shall constitute full compensation for the side drain and stub-outs, complete, as shown on the drawings, including earthwork; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete for the side drain junction structures and inlet structure; furnishing and placing concrete pipe, fittings and end sections; furnishing and placing riprap; and placing temporary pipe barriers for stub-outs. The earthwork included shall be only that earthwork which is located outside the limits of earthwork for which other payment is provided and no payment will be made under this item for concrete, and concrete pipe for which separate payment is provided.

18.0 REINFORCING STEEL

18.1. Measurement.

Measurement of reinforcing steel in English tons (2000 lb.) is limited to reinforcement in concrete structures paid for on a cubic yards basis. Measurement will be made of the lengths of bars actually placed in the completed work in accordance with the plans and specifications, approved bar schedules, or as directed. The measured lengths will be converted to weights for the bar numbers listed by the unit weights per linear foot contained in ASTI A 615. Steel in laps indicated on the drawings, in the specifications, or required by the Contracting Officer will be included in measurement for payment. No measurement will be made for the additional steel in laps which are authorized for the convenience of the Contractor. No measurement will be made of steel supports or spacers. All costs for furnishing and installing supports and spacers shall be included in the various structures requiring the reinforcement.

18.2. Payment.

Payment for reinforcing steel will be made at the applicable contract price, which payment shall constitute full compensation for furnishing and installing steel reinforcement, complete. No payment will be made for steel reinforcement which is placed in structures for which payment is made on a lump sum basis.

19.0 REINFORCED CONCRETE PIPE

19.1 Measurement

Provide and install RCP as shown on the drawings. The Work shall consist of complete installation; laying and compaction of the Class C bedding and selected material, laying the pipe, grouting in the joints, grouting pipe connections, pipe penetrations, and placing and compacting selected material and Compacted Fill around and over the pipe to meet the finished elevation. The quantity of precast sections will be the length of each size of each class complete and in place.

19.2 Payment

19.2.1 18"Dia. RCP

Payment for reinforced concrete pipe will be made at the applicable contract price, which payment shall constitute full compensation for the installation of 18 inch RCP, involving laying and compacting the bedding and selected material, laying the pipe, grouting the joints, grouting pipe connections, pipe penetrations, and placing and compacting the selected material and compacted Fill around and over the pipe to the elevation shown on the plans, complete and in place.

19.2.2 24" Dia. RCP

Payment for reinforced concrete pipe will be made at the applicable contract price, which payment shall constitute full compensation for the installation of 24 inch RCP, involving laying and compacting the bedding and selected material, laying the pipe, grouting the joints, placing and compacting the selected material and compacted Fill around and over the pipe to the elevation shown on the plans, complete and in place.

20.0 HDPE PIPE**20.1 Measurement**

Provide and install HDPE as shown on the drawings. The Work shall consist of complete installation; laying and compaction of the bedding and selected material, laying the pipe, grouting in the joints, grouting pipe connections, pipe penetrations, and placing and compacting selected material and compacted fill around and over the pipe to meet the finished elevation. The quantity of HDPE section will be the size and length specified complete and in place.

20.2 Payment

Payment for HDPE pipe will be made at the applicable contract price, which payment shall constitute full compensation for the installation of 24" HDPE, involving laying and compacting of bedding and selected material, laying the pipe, grouting the joints, grouting pipe connections, pipe penetrations, and placing and compacting the selected material and compacted fill around and over the pipe to the elevation shown on the plans, complete and in place.

21.0 TYPE I MANHOLES.

Payment for "TYPE I Manholes" will be made at the applicable contract price for the type and size specified, and shall be considered full compensation for furnishing all labor, materials, tools, equipment, including applicable earthwork and all incidentals, complete.

22.0 ASPHALT CONCRETE PAVEMENT.**22.1 Measurement.**

Measurement for asphalt concrete pavement will be by the English tons (2000 lb.) of asphalt concrete pavement placed within the lines and grades as indicated on the drawing.

22.2 Payment.

Payment for asphalt concrete pavement will be made at the applicable contract price which payment shall constitute full compensation for asphalt concrete pavement in place, complete including tack coat, prime coat and appurtenant

work except for aggregate base course. No payment will be made for excessive thickness.

23.0 AGGREGATE BASE COURSE.

23.1 Measurement.

Measurement of aggregate base course will be by the English tons (2000 lb.) of aggregate base course placed within the lines and grades indicated on the drawings.

23.2 Payment.

Payment for aggregate base course will be made at the applicable contract price which payment shall constitute full compensation for earthwork required for installation of aggregate base course, furnishing and placing the aggregate base course, complete, including subgrade preparation.

24.0 RIPRAP

24.1 Measurement.

The quantity of stone to be paid for will be the number of English tons (2000 lb.), determined by scale weights, acceptably placed within the lines and grades shown on the drawings or directed by the Contracting Officer.

24.2 Payment.

Payment for Stone Protection, of the various types will be made at the applicable contract unit prices, per English ton, which prices shall constitute full compensation for obtaining and placing the materials, complete.

25.0 WEEPHOLE SYSTEM.

Payment for the weep hole system will be made at the applicable contract price, which payment shall constitute full compensation for materials, and

installation of the weep hole system, complete including applicable earthwork, drain aggregate, geotextile, form openings and appurtenances, complete.

26.0 NDOT TYPE "R" PEDESTRIAN HAND RAIL (MODIFIED)

Payment for "NDOT TYPE "R" PEDESTRIAN HAND RAIL (MODIFIED)" will be made at the applicable contract price which payment shall constitute full compensation for the pedestrian hand rail, including pipe railing and post, sleeves, coil chain gates, fabrication, grout or dry pack, and all incidentals, complete

27.0 FLOW MONITORING STATION

Payment for "FLOW MONITORING STATION" will be made at the applicable contract price for the type and size specified on Drawing No. SD-25, and shall be considered full compensation for furnishing all labor, materials, tools, equipment, including applicable earthwork and all incidentals, complete.

28.0 CHAIN LINK FENCING.

28.1 Measurement.

Measurement of chain link fencing will be by the linear feet of chain link fencing constructed as shown on the drawings.

28.2 Payment.

Payment for chain link fencing will be made at the applicable contract price, which payment shall constitute full compensation for chain link fencing, including posts with caps, rail, chain link fabric, stretcher bars, tension bands, wire ties, truss wire, sleeves, grout, and all incidentals, complete as shown on the drawings.

29.0 DOUBLE SWING GATES.

29.1 Measurement

Measurement of double swing gates will be the number of double swing gates acceptably installed.

29.2 Payment.

Payment for double swing gate will be made at the applicable contract price, which payment shall constitute full compensation for fabricating and installing the double swing gates, complete, including posts with caps, chain link fabric, frame members, tension bands, truss rods, stretcher bars, wire ties, truss wire, sleeves, hinges, grout, and all incidentals, complete, as shown on the drawings.

30.0 FENCE POST SLEEVES.

Payment for "fence post sleeves" will be made at the applicable contract price which payment shall constitute full compensation for the fence post sleeves, including fabrication of steel pipe sleeves, rebars, grout, and all incidentals, complete

31. INVERT ACCESS LADDERS.

Payment for "invert access ladders" will be made at the applicable contract lump sum price, and shall be considered full payment for fabrication, assembly fittings, finishing, paint, and markings. Installation and all equipment, labor and fittings needed for such shall be considered incidental to the contract price for the concrete item to which the ladder is attached.

32. DETOUR @ SAHARA AVENUE.

Various items of work associated with the construction of the rectangular channel at Sahara Avenue such as protect and support existing water, gas, and fiber optic lines; repair/replacement of irrigation lines; protection of existing landscaping; demolition, removal, disposal and replacement of existing curb and gutter; demolition, removal, disposal and replacement of existing pavement and type II material; pavement markings; and traffic control. Payment for these items will be made at the applicable contract price, which payment constitute full compensation for all the above mentioned items, complete.

33. REMOVE 96" CIPCP/CMP AT SAHARA AVENUE

Remove 78 feet of existing Cast-In-Place Concrete Pipe drainage structure and 215 feet of existing Corrugated Metal Pipe drainage structure. Payment for demolition, removal and disposal of drainage structures will be made at the applicable contract price, which constitute full compensation for demolition, removal and disposal of the existing drainage structure, complete.

34. PROTECTION OF EXISTING SANITARY SEWER LINE, STA 88+25.65

Protect and support existing sanitary sewer line. Payment for protection and support of existing sanitary sewer line will be made at the applicable price, which payment shall constitute full compensation for protection and support of the sanitary sewer line, complete.

35. PROTECTION OF UTILITIES AT TOWN CENTER DRIVE

Protect and support existing electrical power lines, telephone/communication lines and waterlines. Payment for Protection and Support of existing electrical power lines, telephone/communication lines and waterlines will be made at the applicable contract price, which payment constitute full compensation for protection and support of existing electrical power lines, telephone/communication lines and waterlines, complete.

36. SOIL STABILIZER

36.1 Measurement.

Measurement of "soil stabilizer" will be made on the basis of the actual area in acres of exposed excavation and fill surfaces in the construction areas treated with soil stabilizer as indicated or directed.

36.2 Payment

Payment for "soil stabilizer" will be at the applicable contract price, which payment shall constitute full compensation for the soil stabilizer including materials, processing, hauling, and placing, complete in place.

-- End of Section --

SUBMITTAL REGISTER

(ER 415-1-10)

TITLE AND LOCATION															CONTRACTOR			CONTRACT NUMBER				
RED ROCK CHANNEL, CLARK COUNTY, NEVADA																		SPECIFICATION SECTION				
TRANS MITTAL NO	ITEM NO	SPECIFICATION PARAGRAPH NUMBER	DESCRIPTION OF ITEM SUBMITTED	TYPE OF SUBMITTAL										CLASSI FICATION	CONTRACTOR SCHEDULE DATES			CONTRACTOR ACTION		GOVERNMENT ACTION		REMARKS
				DATA	DRAWINGS	INSTRUCTIONS	SCHEDULES	STATEMENTS	REPORTS	CERTIFICATES	SAMPLES	RECORDS	OPERATION AND MAINTENANCE		INFORMATION ONLY	GOVERNMENT APPROVED	REVIEWER	SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	CODE	
		SECTION	03101, FORMWORK FOR CONCRETE																			
		1.3	Manufacturer's Literature	X										X								
		1.3	Shop Drawings & Design																			
			Computations		X									X								
		1.3	Reshoring Drawings		X									X								
		1.3	Inspections						X					X								
		1.3	Formwork Not Supporting																			
			Weight of Concrete						X					X								
		SECTION	03150, EXPANSION & CONTRACTION JOINTS																			
		1.2	Preformed Expansion Joint																			
			Filler	X										X								
		1.2	Sealant	X										X								
		1.2	Filed-Molded Sealant &																			
			Primer								X			X								
		SECTION	03210, STEEL BARS FOR CONCRETE REINFORCEMENT																			
		1.2	Fabrication & Placement	X										X								
		1.2	Materials						X					X								
		1.2	Tests, Inspections, &																			
			Verifications						X					X								

