

OHIO TURNPIKE COMMISSION

ADDENDUM NO. 3

CONTRACT NO. 39-13-02  
EASTBOUND RIGHT TWO (2) LANES AND SHOULDER RECONSTRUCTION  
MILEPOST 164.82 TO MILEPOST 169.74  
CUYAHOGA COUNTY, OHIO

OPENING DATE: PREVIOUSLY *EXTENDED TO* 2:00 P.M. (E.S.T.), JANUARY 24 **28**, 2013

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 5:00 P.M., JANUARY 22, 2013

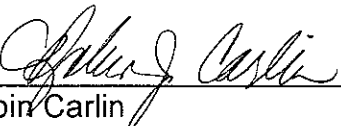
MODIFICATIONS TO THE BID FORM

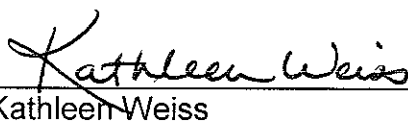
Pages revised: OTC-BF-2, OTC-BF-4 and OTC-BF-5

MODIFICATIONS TO THE DRAWINGS

Contract Drawings: Sheets 10, 12, 63, 64, 66, 84, 102A and 103 of 165

Issued by the Ohio Turnpike Commission January 23, 2013. Issuance authorized by Robin Carlin, Deputy Executive Director and Kathleen Weiss, General Counsel.

  
Robin Carlin  
1/23/13  
Date

  
Kathleen Weiss  
1/23/13  
Date

**OHIO TURNPIKE COMMISSION  
ADDENDUM NO. 3  
CONTRACT NO. 39-13-02**

**ANSWERS TO QUESTIONS PREVIOUSLY RECEIVED THROUGH ISSUANCE OF ADDENDUM NO. 2**

**Q#6 Ref. #54 – Paved Gutter Misc. – What is required for this item, no details or APP notes to indicate the extent of work involved. Please provide information so the contractors can price accordingly.**

*A#6 Supplemental Answer – The response to Q#6 in Addendum No. 2 has been revised to read as follows: A new revised General Note “Item 601 – Paved Gutter, Misc.: Gutter Broken in Place” is added to Plan Sheet 12 of 165 to clarify this Item via this Addendum No. 3, that states as follows: “ITEM 601 - PAVED GUTTER, MISC.: GUTTER BROKEN IN PLACE - THE ITEM INCLUDES BREAKING UP THE PAVED GUTTER CONCRETE IN PLACE TO BE USED AS ROCK CHANNEL PROTECTION. THE CONTRACTOR SHALL REMOVE THE BROKEN CONCRETE FROM THE CHANNEL, EXCAVATE BOTTOM OF THE CHANNEL 2 FEET AND PLACE FABRIC FILTER AT THE EXCAVATED BOTTOM. THE CONTRACTOR SHALL PLACE THE BROKEN CONCRETE IN THE CHANNEL IN CONJUNCTION WITH ROCK CHANNEL PROTECTION PROVIDE IN THE PLANS. THE CHANNEL SHALL BE 16 FEET WIDE WITH 8 FOOT BOTTOM AND 4 FOOT WIDE SIDES AT 4:1 SLOPE OR MATCH THE EXISTING GROUND. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE CHANNEL.” See Modifications to Plan Drawings below and the attached replacement Plan Sheet 12 of 165.*

**Q#14 Plan notes and details on Pg. 102A indicate that the excavated material from the slope benching is to be re-used as the embankment in the same location. Note 3 indicates that inclusion of limestone sand will be required. What is the application rate for the limestone sand and how is the contractor compensated for this activity?**

*A#14 The inclusion of limestone sand into the existing embankment has been removed via this Addendum No. 3 from Note 3 on Plan Sheet 102A of 165.*

**Q#15 Note (10) on the same page then indicates that embankment material that is supplied must meet the stated requirements and testing. Is new embankment required or not?**

*A#15 An estimated Quantity of 200 CU YDS of Item 203 – Borrow was added on Plan Sheet 102A of 165 via this Addendum No. 3 to address the cost for providing additional Item 203 material to the site. The quantity was also carried over to the General Summary on Plan Sheet 63 of 165 and the Bid Form Sheet OTC-BF-2.*

**ANSWERS TO QUESTIONS RECEIVED THROUGH 5:00 P.M., JANUARY 22, 2013**

**Q#19 SP 104- Item C: this makes reference to charging a toll for all Turnpike travel outside the limits authorized for toll-free access. The stone on this project could come from anywhere between Sandusky and Youngstown. Will the toll-free zone cover up to these locations?**

*A#19 Yes, transporting any materials to the Project site using the Ohio Turnpike will be considered authorized for toll-free access.*

**Q#20 Pipe Removed, 24" and under: sheet 103 detail and quantities pay for surface asphalt and new barrier. However, there are no quantities set up for SP302, SP302, and SP304 replacement items. Are these incidental to the pipe removed item or will they be paid for separately?**

*A#20 Yes, new quantities of SP302 – Bituminous Aggregate Base, PG 64-22 and SP 304 - Aggregate Base were added via this Addendum No. 3 to Plan Sheet 103 of 165 and carried to the General Summary on Plan Sheet 64 of 165 and Bid Form Sheet OTC-BF-5.*

**Q#21 On page 10/165 item 622 concrete barrier type D app. The barrier transition that is incidental to the item refers to a detail on sheet 195B.this page is not a part of the plan documents. Additionally are these transitions referring to the connection at the existing bridge walls or the standard transitions at obstructions per CBR-5.**

*A#21 The General Note on Plan Sheet 10 of 165 has been modified via this Addendum No. 3 to read, "The barrier transition shall be constructed in accordance with Standard Drawing CBR-6." The transitions that are incidental to the payment of Item 622 – Concrete Barrier, Type D, As Per Plan, are to be used at obstructions only in accordance with OTC Standard Drawing CBR-5. All Bridge Barrier Wall Transitions are detailed on Plan Sheets 155 and 156 of 165.*

**Q#22 Plan sheet 12, under "Cement Stabilization at Culverts and Approach Slab Areas": are there quantities set up for excavation and embankment for removed and replaced materials per these specifications or are we expected to make this incidental to the stabilization items?**

*A#22 Yes, all Work described in the General Note "Cement Stabilization at Culverts and Approach Slab Areas" on Plan Sheet 12 of 165 is incidental to Item 206 – Stabilized Subgrade, Twelve (12) Inches Deep, As Per Plan, or Item 206 – Stabilized Subgrade, Fourteen (14) Inches Deep, As Per Plan.*

**Q#23** The westbound outside ditch gets paved gutter broken in place as well as new 601B (stations 685+08 through 695+90). No guardrail removal/replacement items have been set up so the contractor can readily access the work area from the Turnpike. If it is the intent of OTC for the contractor to access it this way, then please set up some pay items for removal and replacement of guardrail. Is the contractor allowed to access this area from Bennett Road, and if it involves cutting the fence line, can this be exempt from a credit per the SP104 specification, assuming it is only for use for this bid item only?

*A#23 The Contractor may access the Work at Bennett Road by cutting the fence to access the drainage area, and the Temporary Access Credit, as defined in Special Provision SP 104(I), will not apply to said means of assessing said Work. However, the Contractor shall secure the fence nightly, and the Commission will restore the right-of-way fence upon the conclusion of the Work.*

**Q#24** The eastbound outside slope gets rebuilt between stations 651+50 and 654+50. Plan sheet 84 is showing a 75' wide slope dimension. Plan sheet 102a is showing a 20' height and 40' width (hypotenuse distance is 44.7'). Which distance is correct?

*A#24 The dimensions on Plan Sheet 102A of 165 shall govern. The box with the hatched symbol indicating the location of the slope repair on Plan Sheet 84 of 165 has been revised via this Addendum No. 3 to show the actual limits of the slope repair.*

**Q#25** It is stated that we are to mix the limestone sand with the excavated dirt for reconstruction. In order to do this we need ample staging area for these materials. What is the exact distance between the work limit of the bench and the ROW fence? Again, if ample area isn't available, and if it involves cutting the fence line, can this be exempt from a credit per the SP 104 specification, assuming it is only for use for this bid item only? In both cases, will OTC please setup quantities for fence removal and replacement?

*A#25 See the response to Q#14. Further answering, the Commission believes there is ample area to stage materials within the right-of-way*

**Q#26** Ref. 56- Grouting voids around corrugated metal pipes: the only information is the location on sheet 101 and the note "hole at top and bottom of pipe" on sheet 66. What type of material is to be used? What type of preparation? Please provide more concise information on the scope of work for this item.

*A#26 A new General Note "Item 603 – Grouting Voids Around Corrugated Metal Pipes" has been added via this Addendum No. 3 to Plan Sheet 10 of 165. The Contractor shall fill the entire void below the existing CMP using a Low Strength Mortar ("LSM") Backfill in*

*accordance with ODOT CMS 613. The two (2) holes may need to be squared up in order to inject or pour the LSM in the holes.*

**Q#27** The concrete required for the replacement of materials removed in conjunction with the SP533H Item (STL Joint Detail Sheet 153 of 165) is included under the 848 Full Depth Repair Item. This was also setup like this on a previous bid proposal. This concrete that is specified for a plan designated removal and replacement limits of construction should be placed under a separate 511 Item and not be placed in 848 Full Depth Repair. 848 Full Depth Repair is an as needed Item utilized for repairing areas of the deck, during an 848 Hydro & Overlay Operation, that are sound for less than half of the original deck thickness. These areas are only determined upon the completion of the Hydro-demolition. Also, you are not replacing the material in the STR STL Joint Detail (Sh. 153 of 165) with 848 Microsilica. 848 Full Depth Repair need to be for the item intended; the cost for actual 848 Full Depth Repair and the repair limits in the STR STL Joint Detail (SH 153 of 165) are not comparable. The 4.0 CY as detailed in Sheet 132 of 165 and the 6.0 CY as detailed on Sheet 145 of 165 should be moved to a 511 Item. This would leave the remaining quantity as I assume to be the volume of material estimated for 848 Full Depth Repair. Please review.

*A#27 The Contractor shall use Item 848 as specified in the Plans*

**Q#28** Bid items 58, 59, 61: Proposal and plans have these specified as 703.33 pipe. In the 2010 ODOT CMS, there is no such specification. Please clarify what type of pipe is required.

*A#28 The reference to 703.33 pipe was corrected via this Addendum No. 3 to specify 707.33 pipe on the General Note Sheet 10 of 165, the General Summary Sheet 64 of 165 and the Bid Form Sheet OTC-BF-4.*

**Q#29** Bid Item 52: Rock Channel Protection, Type B: Proposal shows 399.6 cy as plan quantity. General summary shows 357.6 cy. Which is correct? Further asking, the remaining 42 cy worth on plan sheet 88 (it was omitted from the general summary).

*A#29 The 42 CU YD of Rock Channel Protection, Type B was added via this Addendum No. 3 to the Drainage Sub-Summary on Plan Sheet 66 of 165 and carried over to the General Summary on Plan Sheet 63 of 165. The Bid Form correctly states the estimated total quantity of 399.6 CU YD for Reference No. 52 - Rock Channel Protection, Type B.*

**MODIFICATIONS VIA ADDENDUM NO. 3 TO THE CONTRACT DOCUMENTS FOR  
CONTRACT NO. 39-13-02**

The following changes are made to the Contract Documents for Contract No. 39-13-02:

**MODIFICATIONS TO THE BID FORM**

Deletions are shown with strikethrough text.

Changes/Additions are shown with ***bold italicized*** text.

Page OTC – BF – 2

Ref No. 17 was modified as follows:

17	203	BORROW	<del>1,000</del> <b><i>1,200</i></b>	CU YD
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Page OTC – BF – 4

Ref. Nos. 58, 59 and 61 were modified as follows:

58	603	12" CONDUIT, TYPE F, <del>703.33</del> <b><i>707.33</i></b> , AS PER PLAN	1,653	FT
59	603	15" CONDUIT, TYPE F, <del>703.33</del> <b><i>707.33</i></b>	100	FT
61	603	18" CONDUIT, TYPE F, <del>703.33</del> <b><i>707.33</i></b>	150	FT

Page OTC – BF – 5

Ref. Nos. 85 and 86 were modified as follows:

85	SP302	BITUMINOUS AGGREGATE BASE, PG64-22	<del>26,082</del> <b><i>26,114</i></b>	CU YD
86	SP304	AGGREGATE BASE	<del>11,211</del> <b><i>11,281</i></b>	CU YD

## **Modifications to the Plan Drawings**

Deletions in Plan Notes are shown with strikethrough text.

Changes/Additions in the Plan Notes are shown with ***bold italicized*** text.

Additions and deletions on Plan Drawings are indicated with a cloud and revision triangle thus:



### **Sheet 10 of 165:**

The first three (3) Items in the table under the General Note for "SLOPE DRAINS," were modified as follows:

"ITEM 603 – 12" CONDUIT, TYPE F, <del>703.03</del> <b><i>707.33</i></b> , AS PER PLAN	300 FT.
ITEM 603 – 15" CONDUIT, TYPE F, <del>703.03</del> <b><i>707.33</i></b>	100 FT.
ITEM 603 – 18" CONDUIT, TYPE F, <del>703.03</del> <b><i>707.33</i></b>	150 FT."

The second sentence in the third paragraph under the General Note "ITEM 622 – CONCRETE BARRIER, TYPE D, AS PER PLAN," has been revised as follows:

"THE BARRIER TRANSITION SHALL BE CONSTRUCTED IN ACCORDANCE WITH  
~~DETAIL SHEET 195B~~ ***STANDARD DRAWING CBR-6***."

A new General Note was added to state as follows:

***"ITEM 603 – GROUTING VOIDS AROUND CORRUGATED METAL PIPES  
CONTRACTOR SHALL USE A LOW STRENGTH MORTAR BACKFILL IN  
ACCORDANCE WITH ODOT CMS 613 TO FILL THE VOIDS IN THE PIPE. PAYMENT  
FOR ALL MATERIALS AND LABOR TO FILL THE VOIDS SHALL BE PAID AT THE  
UNIT PRICE BID FOR ITEM 603 - GROUTING VOIDS AROUND CORRUGATED  
METAL PIPES."***

### **Sheet 12 of 165:**

A new General Note was added to state as follows:

***"ITEM 601 - PAVED GUTTER, MISC.: GUTTER BROKEN IN PLACE  
THE ITEM INCLUDES BREAKING UP THE PAVED GUTTER CONCRETE IN PLACE  
TO BE USED AS ROCK CHANNEL PROTECTION. THE CONTRACTOR SHALL  
REMOVE THE BROKEN CONCRETE FROM THE CHANNEL, EXCAVATE BOTTOM  
OF THE CHANNEL 2 FEET AND PLACE FABRIC FILTER AT THE EXCAVATED  
BOTTOM. THE CONTRACTOR SHALL PLACE THE BROKEN CONCRETE IN THE  
CHANNEL IN CONJUNCTION WITH ROCK CHANNEL PROTECTION PROVIDE IN  
THE PLANS. THE CHANNEL SHALL BE 16 FEET WIDE WITH 8 FOOT BOTTOM  
AND 4 FOOT WIDE SIDES AT 4:1 SLOPE OR MATCH THE EXISTING GROUND.  
POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE CHANNEL."***

The General Note "CEMENT STABILIZATION AT CULVERTS AND APPROACH SLAB AREAS" was modified by inserting a new paragraph that states as follows:

***"PAYMENT FOR EXCAVATION AND EMBANKMENT REQUIRED TO COMPLETE THE STABILIZATION IN THE AREAS SHALL BE INCLUDED IN AND INCIDENTAL TO ITEM 206 – CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP, AS PER PLAN AND CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN."***

Plan Sheet 63 of 165

The following General Summary Items have been revised as follows:

200 CU YD of Borrow was added to Sheet Number 102A that increased the Grand Total of Borrow from ~~4,000~~ to **1,200**.

The quantity for Rock Channel Protection, Type B was revised from ~~357.60~~ to **399.60** under Sheet Number 66, and the Grand Total of Rock Channel Protection, Type B was correspondingly revised from ~~357.60~~ to **399.60**.

Plan Sheet 64 of 165

The following General Summary Item Descriptions have been revised as follows:

"12" CONDUIT, TYPE F, ~~703.33~~ **707.33**, AS PER PLAN"

"15" CONDUIT, TYPE F, ~~703.33~~ **707.33**"

"18" CONDUIT, TYPE F, ~~703.33~~ **707.33**"

The following quantities have been revised as follows:

The Bituminous Aggregate Base, PG64-22 under Sheet Number 103 was increased from 0 to **32** CU YD, which correspondingly increased the Grand Total of Bituminous Aggregate Base, PG64-22 from ~~26,082~~ to **26,114**.

The Aggregate Base under Sheet Number 103 was increased from 0 to **70** CU YD, which correspondingly increased the Grand Total of Aggregate Base from ~~41,244~~ to **11,281**.

Plan Sheet 66 of 165

The following quantities for Drainage Sub-Summary Items have been revised as follows:

Item 601 – Rock Channel Protection, Type B, with Filter Fabric at Ref. No. DR-18A was revised from 0 to **42** CU YD, which correspondingly increased the "Totals to be Carried to the General Summary" for Item 601 – Rock Channel Protection, Type B, with Filter Fabric was revised from ~~357.60~~ to **399.60**.



Plan Sheet 84 of 165

The following Plan and Profile has been revised:

The box with the hatched symbol for slope failure area has been revised to show the actual limits of the slope failure area.

Sheet 102A of 165:

The Detail Title was modified as follows:

"SLOPE **TYPICAL** SEQUENCE OF **BENCH** CONSTRUCTION"

The heading for Detail No. 1 was modified as follows:

"INITIAL EXCAVATION (4' DEPTH, SEE SLOPE REPAIR TYPICAL **SECTION**)"

Note 3 for the "SLOPE **TYPICAL** SEQUENCE OF **BENCH** CONSTRUCTION" Detail was modified as follows,

"THE WORK SHALL CONSIST OF REMOVING AND REUSING EXISTING SLOPE MATERIAL WITH THE INCLUSION OF LIMESTONE SAND **NEW ITEM 203 EMBANKMENT FILL WHERE NECESSARY TO BALANCE THE SITE.**"

Note 10 for the "SLOPE **TYPICAL** SEQUENCE OF **BENCH** CONSTRUCTION" Detail was modified as follows:

"ALL EMBANKMENT MATERIAL SUPPLIED **PLACED** UNDER ITEM 203 – EMBANKMENT **INCLUDING NEW AND REUSED MATERIAL**, SHALL BE TESTED BY THE COMMISSION TO INSURE THAT THE MATERIAL HAS AN EFFECTIVE FRICTION ANGLE OF 28 DEGREES OR GREATER. **AN ESTIMATED QUANTITY FOR ITEM 203 – BORROW HAS BEEN PROVIDED ON THIS SHEET TO BE USED FOR THE NEW MATERIAL NEEDED TO COMPLETE THE EMBANKMENT CONSTRUCTION.**"

A new Estimated Quantity of **200 CU YD** of **Item 203 – Borrow** was added to the Table of Estimated Quantities under the "SLOPE REPAIR TYPICAL SECTION" Detail.

Sheet 103 of 165:

A new Estimated Quantity of **Item SP302 – Bituminous Aggregate Base, PG64-22** in the amount of **32 CU YD** was inserted into the table of ESTIMATED QUANTITIES for Ref. No. R-35.

A new Estimated Quantity of **Item SP304 – Aggregate Base** in the amount of **70 CU YD** was inserted into the table of ESTIMATED QUANTITIES for Ref. No. R-35.

**ATTACHMENTS:**

**Bid Form:** OTC-BF-2, OTC-BF-4 and OTC-BF-5

**Contract Drawings:** Sheets 10, 12, 63, 64, 66, 84, 102A and 103 of 165 (8 Total Sheets)

**(BIDDERS ARE ADVISED TO UTILIZE THE ATTACHED REPLACEMENT PAGES).**

Receipt of Addendum No 3 to Contract No. 39-13-02 is hereby acknowledged:

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

Date: \_\_\_\_\_

BID FORM CONTRACT NO. 39-13-02

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
1	201	ROADWAY (Ref. Nos. 1 - 33)	LUMP	LUMP		
2	202	CLEARING AND GRUBBING	10	EACH		
3	202	CATCH BASIN REMOVED	2	EACH		
4	202	INLET REMOVED	12,732	FT		
5	202	GUARDRAIL REMOVED	1,325	FT		
6	202	GUARDRAIL REMOVED FOR STORAGE	2	EACH		
7	202	ANCHOR ASSEMBLY REMOVED FOR STORAGE	5	SQ YD		
8	202	GUTTER REMOVED	2	EACH		
9	202	REMOVE FLARED END SECTION	4	EACH		
10	202	HEADWALL REMOVED	510	FT		
11	202	CONCRETE BARRIER REMOVED	700	FT		
12	202	PIPE REMOVED, 24" AND UNDER	200	FT		
13	202	PIPE REMOVED, OVER 24"	66,276	SQ YD		
14	202	PAVEMENT REMOVED	1	EACH		
15	203	REMOVAL MISC.: SIGN FOUNDATION REMOVED	27,789	CU YD		
16	203	EXCAVATION	2,767	CU YD		
17	203	EMBANKMENT	1,000	CU YD		
18	254	BORROW	1,200	CU YD		
19	254	PAVEMENT PLANING, ASPHALT CONCRETE	96,175	SQ YD		
20	SP536A	PAVEMENT PLANING ASPHALT CONCRETE (VARIABLE DEPTH)	3,364	SQ YD		
21	606	MASONRY COATING	7,819	SQ YD		
22	606	GUARDRAIL, TYPE 5, USING STEEL POST	7,450	FT		
23	606	ANCHOR ASSEMBLY, TYPE T, USING STEEL POST	6	EACH		
24	606	BRIDGE TERMINAL ASSEMBLY, TYPE 1, USING STEEL POST	5	EACH		
25	SP606E	BRIDGE TERMINAL ASSEMBLY, TYPE 2, USING STEEL POST	4	EACH		
26	609	ANCHOR ASSEMBLY, TYPE E (ET-2000 PLUS)	7	EACH		
27	622	ASPHALT CONCRETE CURB, PG64-22 STANDARD, TYPE 1	981	FT		
28	622	CONCRETE BARRIER TYPE D, AS PER PLAN	5,687	FT		
29	622	CONCRETE BARRIER, TYPE B-50, AS PER PLAN	379	FT		
30	SP625	PORTABLE CONCRETE BARRIER 32", AS PER PLAN	152	FT		
31	SP625	CONDUIT, 4" WITH 3 CELL INNERDUCT, 725.05	379	FT		
32	626	CONDUIT, 4" WITH 4 CELL INNERDUCT, 725.05	379	FT		
33	626	BARRIER REFLECTOR, TYPE A	115	EACH		
		BARRIER REFLECTOR, TYPE B	81	EACH		

TOTAL - ROADWAY

BID FORM CONTRACT NO. 39-13-02

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		<b>DRAINAGE (Ref. Nos. 49 - 75)</b>				
49	202	SPECIAL - PIPE CLEANOUT	235	FT		
50	519	PATCHING CONCRETE STRUCTURE	187	SQ FT		
51	601	ROCK CHANNEL PROTECTION, TYPE A, WITH FABRIC FILTER	78	CU YD		
52	601	ROCK CHANNEL PROTECTION, TYPE B, WITH FABRIC FILTER	399.60	CU YD		
53	601	ROCK CHANNEL PROTECTION, TYPE C, WITH FABRIC FILTER	74.62	CU YD		
54	601	PAVED GUTTER, MISC.: GUTTER BROKEN IN PLACE	1,194	FT		
55	602	CONCRETE MASONRY	5.26	CU YD		
56	603	SPECIAL - GROUTING VOIDS AROUND CORRUGATED METAL PIPES	2	CU YD		
57	603	6" CONDUIT TYPE F, NON-PERFORATED ASTM D 3034 (SDR 35) 707.42 OR 707.33	1,442	FT		
58	603	12" CONDUIT, TYPE F, 703.33 707.33, AS PER PLAN	1,653	FT		
59	603	15" CONDUIT, TYPE F, 703.33 707.33	100	FT		
60	603	18" CONDUIT, TYPE C	16	FT		
61	603	18" CONDUIT, TYPE F, 703.33 707.33	150	FT		
62	603	30" CONDUIT, TYPE C	212	FT		
63	603	36" CONDUIT, TYPE A	15	FT		
64	603	FIELD PAVING OF EXISTING PIPE	186	FT		
65	SP 604	CATCH BASIN, NO. CB-1	2	EACH		
66	SP 604	CATCH BASIN, MEDIAN WALL	12	EACH		
67	SP 604	SPECIAL - 12" PRECAST CONCRETE END SECTION	15	EACH		
68	SP 604	SPECIAL - 18" PRECAST CONCRETE END SECTION	3	EACH		
69	SP 604	SPECIAL - 30" PRECAST CONCRETE END SECTION	2	EACH		
70	209	DITCH CLEANOUT	3,200	FT		
71	613	LOW STRENGTH MORTAR BACKFILL	2.40	CU YD		
72	605	AGGREGATE DRAIN, AS PER PLAN	6,434	FT		
73	SP605	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP	49,198	FT		
74	SPECIAL	PRECAST REINFORCED CONCRETE OUTLET	32	EACH		
75	SPECIAL	CULVERT CLEANOUT, TWIN 6'X12' BOX	LUMP	LUMP		

**TOTAL - DRAINAGE**

BID FORM CONTRACT NO. 39-13-02

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		<b>PAVEMENT (Ref. Nos. 76 - 103)</b>				
76	206	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP, AS PER PLAN	63,365	SQ YD		
77	206	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN	33,875	SQ YD		
78	206	CEMENT	3,019	TON		
79	206	WATER FOR CURING	1.3	M GAL		
80	206	TEST ROLLING	32	HOURL		
81	251	PARTIAL DEPTH PAVEMENT REPAIR	300	SQ YD		
82	252	FULL DEPTH PAVEMENT SAWING	25,061	FT		
83	255	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT	300	SQ YD		
84	255	FULL DEPTH PAVEMENT SAWING	200.0	FT		
85	SP302	BITUMINOUS AGGREGATE BASE, PG64-22	26,082	CU YD		
			26,114			
86	SP304	AGGREGATE BASE	11,214	CU YD		
			11,281			
87	SP304	AGGREGATE BASE (SHOULDER)	7,745	CU YD		
88	SP402	ASPHALT CONC. BASE COURSE, OR RECYCLED ASPHALT CONC. BASE COURSE, PG64-22	1,314	CU YD		
89	SP402	ASPHALT CONC. BASE COURSE, OR RECYCLED ASPHALT CONC. BASE COURSE, PG70-22(FR)	3,335	CU YD		
90	SP404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	1,288	CU YD		
91	SP404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG70-22 (FR)	2,858	CU YD		
92	SP404A	JOINT SEALER	29,074	FT		
93	407	TACK COAT, TRACKLESS TACK, AS PER PLAN	5,738	GALLON		
94	407	TACK COAT, TRACKLESS TACK FOR INTERMEDIATE COURSE, AS PER PLAN	7,462	GALLON		
95	452	NON-REINFORCED CONCRETE PAVEMENT (T=15")	1,002	SQ YD		
96	617	SHOULDER PREPARATION	4,974	SQ YD		
97	617	COMPACTED AGGREGATE	415	CU YD		
98	617	WATER	27	M GAL		
99	SP627	STONE SHOULDER PROTECTION	282	CU YD		
100	SPECIAL	ASPHALT PAVEMENT REINFORCEMENT	6,792	SQ YD		
101	SPECIAL	PRESSURE RELIEF JOINT, TYPE A	175	FT		
102	SPECIAL	SONIC NAP ALERT PATTERN (SNAP)	15.14	MILE		
103	SPECIAL	SAW CUT JOINT	26,916	FT		

**TOTAL - PAVEMENT**