CS-08-394
CS-84

CHANGE ORDER APPROVAL FORM

PROJECT: CR-108 Milling & Resurfacing

CHANGE ORDER NUMBER: 06

DATE: 08/24/09

CONTRACT NUMBER: CM1395

TO CONTRACTOR: APAC Southeast

Reason for Change Order: It was determined that the distance between the roadway and the deep drainage ditch on the east side of CR-108 @ Bay Road caused an unsafe condition which required guardrail. Add guardrail on right side @ 72" culvert.

Original Contract Sum.....	$	3,206,312.87
Net Change by Previous Change Order/Supplemental Agreement.	$	(333,782.05)
Contract Sum Prior to This Change Order.....	$	2,872,530.82
Amount of This Change Order (Add/Deduct).....	$	13,872.00
New Contract Sum Including this Change Order.....	$	2,886,402.82

Net Increase(decrease) of days for this change order: 3 day (Substantial Completion: 08/16/09; Final Completion: 08/30/09)

APPROVED BY: _____ DATE: 8/25/09
Project Manager (Department Head)

APPROVED BY: Charlotte J Young DATE: 8/25/09
Contract Manager

APPROVED BY: _____ DATE: 8/26/09
Director of Office of Management & Budget

APPROVED BY: _____ DATE: 8/26/09
County Coordinator

SECTION 00 63 63

CHANGE ORDER

Instructions on 00 63 63-2 No: 006

PROJECT: **CR-108 Milling & Resurfacing**

DATE OF ISSUANCE: EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No: CM 1395

CONTRACTOR: **APAC SE - First Coast Division** ENGINEER / ARCHITECT: **Ghyabi & Assoc (EOR); Wilbur Smith Assoc (CEI)**

You are directed to make the following changes in the Contract Documents:

Description: *Add guardrail on right side @ 72" culvert.*

Reason for Change Order: *It was determined that the distance between the roadway and the deep drainage ditch on the east side of CR-108 @ Bay Road caused an unsafe condition which required guardrail.*

Attachments (List documents supporting change): *Calc sheets; Request letter; Standard Index sheets; Measurement sheet*

CHANGE IN CONTRACT PRICE:		CHANGE IN CONTRACT TIMES:	
		Original Contract Times:	124
Original Contract Price:		Substantial Completion:	August 9, 2009
	$ 3,206,312.87	Ready for Final Payment:	August 23, 2009 (days or dates)
Net change from previous Change Orders No. 001 to No. 005		Net change from previous Change Orders No. 001 to No. 005	
	$ (335,088.97)		4 (days)
Contract Price prior to this Change Order		Contract Times prior to this Change Order	
		Substantial Completion:	August 13, 2009
	$ 2,871,223.90	Ready for Final Payment:	August 27, 2009 (days or dates)
Net Increase (decrease) of this Change Order		Net Increase (decrease) of this Change Order	
	$ 13,872.00		3 (days)
Contract Price with all approved Change Orders		Contract Times with all approved Change Orders	
		Substantial Completion:	August 16, 2009
	$ 2,885,095.90	Ready for Final Payment:	August 30, 2009 (days or dates)

RECOMMENDED:

By: _____
Engineer/Architect (Authorized Signature)

Date: 8/13/09

APPROVED:

By: _____
COUNTY (Authorized Signature)

Date: 8/14/09

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: 8/19/09

SECTION 00 63 63

CHANGE ORDER

Instructions on 00 63 63-2 No: 006

PROJECT: **CR-108 Milling & Resurfacing**

DATE OF ISSUANCE: EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No: CM 1395

CONTRACTOR: **APAC SE - First Coast Division** ENGINEER / ARCHITECT: **Ghyabi & Assoc (EOR); Wilbur Smith Assoc (CEI)**

You are directed to make the following changes in the Contract Documents:

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Attachments (List documents supporting change): *Calc sheets; Request letter; Standard Index sheets; Measurement sheet*

CHANGE IN CONTRACT PRICE:		CHANGE IN CONTRACT TIMES:	
		Original Contract Times:	124
Original Contract Price:		Substantial Completion:	August 9, 2009
	$ 3,206,312.87	Ready for Final Payment:	August 23, 2009 (days or dates)
Net change from previous Change Orders No. 001 to No. 005		Net change from previous Change Orders No. 001 to No. 005	
	$ (344,117.48)		4 (days)
Contract Price prior to this Change Order		Contract Times prior to this Change Order	
		Substantial Completion:	August 13, 2009
	$ 2,862,195.39	Ready for Final Payment:	August 27, 2009 (days or dates)
Net Increase (decrease) of this Change Order		Net Increase (decrease) of this Change Order	
	$ 12,080.50		3 (days)
Contract Price with all approved Change Orders		Contract Times with all approved Change Orders	
		Substantial Completion:	August 16, 2009
	$ 2,874,275.89	Ready for Final Payment:	August 30, 2009 (days or dates)

RECOMMENDED:

By: _____
Engineer/Architect (Authorized Signature)

Date: 7/27/09

APPROVED:

By: _____
COUNTY (Authorized Signature)

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: _____

SECTION 00 63 63

CHANGE ORDER

Instructions on 00 63 63-2 No: 006

PROJECT: **CR-108 Milling & Resurfacing**

DATE OF ISSUANCE: EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No: CM 1395

CONTRACTOR: **APAC SE - First Coast Division** ENGINEER / ARCHITECT: **Ghyabi & Assoc (EOR); Wilbur Smith Assoc (CEI)**

You are directed to make the following changes in the Contract Documents:

Description: *Add guardrail on right side @ 72" culvert.*

Reason for Change Order: *It was determined that the distance between the roadway and the deep drainage ditch on the east side of CR-108 @ Bay Road caused an unsafe condition which required guardrail.*

Attachments (List documents supporting change): *Calc sheets; Request letter; Standard Index sheets; Measurement sheet*

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
	Original Contract Times: 124
Original Contract Price:	Substantial Completion: August 9, 2009
$ 3,206,312.87	Ready for Final Payment: August 23, 2009 (days or dates)
Net change from previous Change Orders No. 001 to No. 005	Net change from previous Change Orders No. 001 to No. 005
$ (348,617.48)	4 (days)
Contract Price prior to this Change Order	Contract Times prior to this Change Order
	Substantial Completion: August 13, 2009
$ 2,857,695.39	Ready for Final Payment: August 27, 2009 (days or dates)
Net Increase (decrease) of this Change Order	Net Increase (decrease) of this Change Order
$ 7,850.50	3 (days)
Contract Price with all approved Change Orders	Contract Times with all approved Change Orders
	Substantial Completion: August 16, 2009
$ 2,865,545.89	Ready for Final Payment: August 30, 2009 (days or dates)

RECOMMENDED:

By: _____
Engineer/Architect (Authorized Signature)

Date: 7/24/09

APPROVED:

By: _____
COUNTY (Authorized Signature)

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: _____

ADDITIONAL GUARDRAIL (RT SIDE)
@ 72" CULVERT FOR SAFETY

GUARDRAIL ITEM INCLUDES:

1) Furnish & install
2) Misc Asphalt
3) Special Posts

ITEM

210 Guardrail Thrie Beam: 50.0 LF (Nested)
× 2
100.0 LF @ $26.55/LF = $2,655.00

W-Thrie Beam Trans. @ 6.25' EA: 6.25 LF × 2
12.5 LF @ $25.80/LF = $322.50

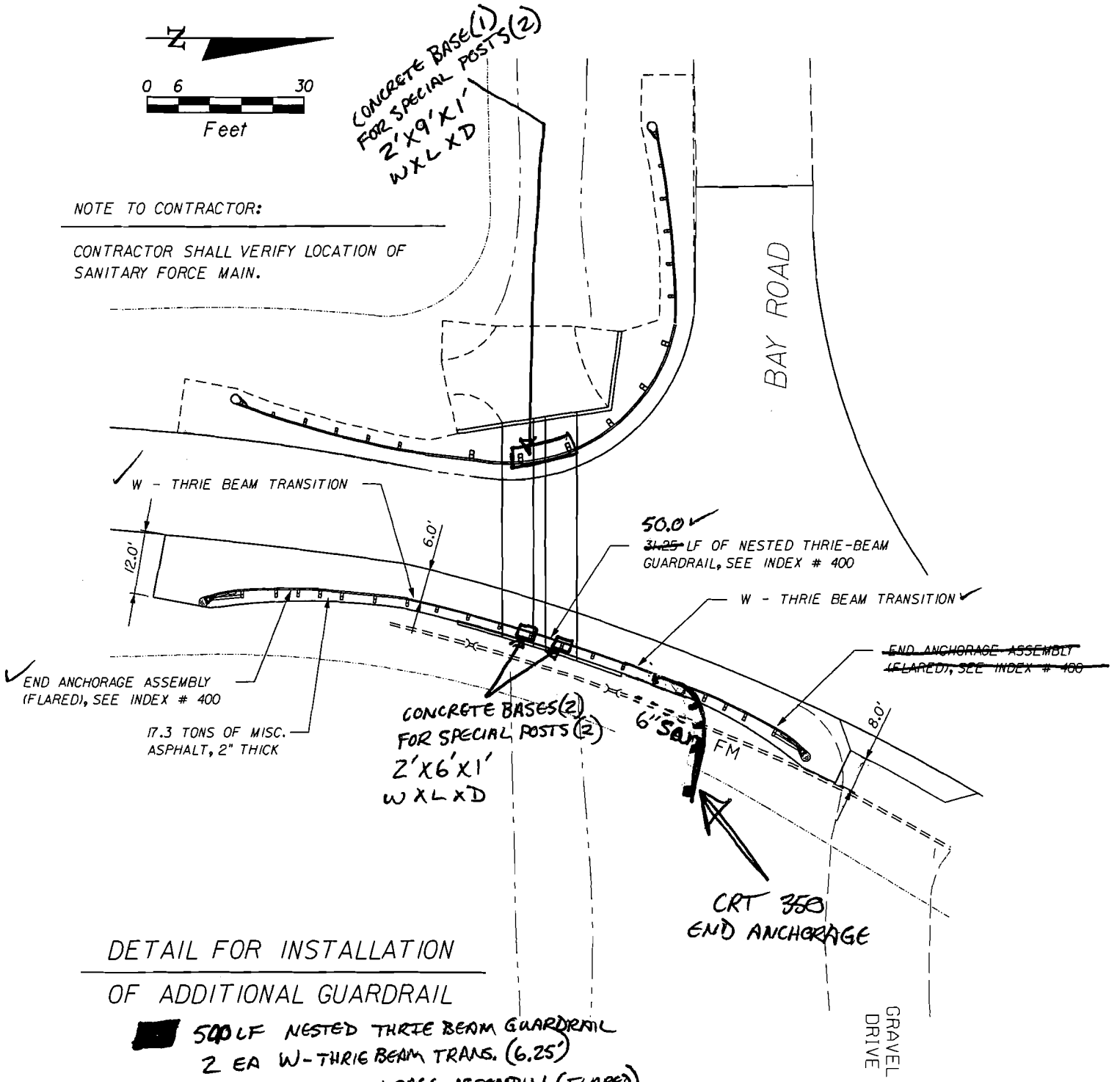
230 Guardrail End Anchor-Flared: 1@ $2,795/EA = $2,795.00
Guardrail End Anchor--CRT: 1@ $1,500/EA = $1,500.00

Concrete Bases: 2' x 6' x 1' = 12 cf = 0.44 cy
for special posts
-Conc, Class I-Misc
~~0.44 cy @ $700.00/cy = $308.00~~
3 CY MIN CONC ORDER
2100.00
~~$7,580.50~~
9372.00

APAC Requested Price: $20,372.50

Recommend Counter Offer of:

9372.00
~~$7,580.50~~
MOT + ~~4,500.00~~
13,872.00



DETAIL FOR INSTALLATION OF ADDITIONAL GUARDRAIL

- 500 LF NESTED THRIE BEAM GUARDRAIL
- 2 EA W-THRIE BEAM TRANS. (6.25')
- 1 EA END ANCHORAGE ASSEMBLY (FLARED)
- 1 EA END ANCHORAGE ASSEMBLY (CRT 350)
- 2 EA SPECIAL POSTS
- 2 EA CONCRETE BASES FOR SPECIAL POSTS

APAC-Southeast, Inc.
First Coast Division
P.O. Box 24728
Jacksonville, FL 32241
(904) 288-6300
(904) 288-6301 - fax

May 27, 2008

Greg Dutton
Senior Project Engineer
Wilbur Smith Associates
9432 Baymeadows Rd., Suite 130, Jacksonville, FL 32256

RE: CR 108, Nassau County
Financial Project No. 417321-1-58-01
Bid No. NC 08-039
APAC No. 772267

Additional Guardrail and Misc. Asphalt:

Dear Mr. Dutton;

APAC respectfully submits a lump sum price of $20,372.50 for additional guardrail and misc. asphalt placed at the 72" culverts. APAC requests three days are added to the contract for this work. If you have any questions, feel free to contact me.

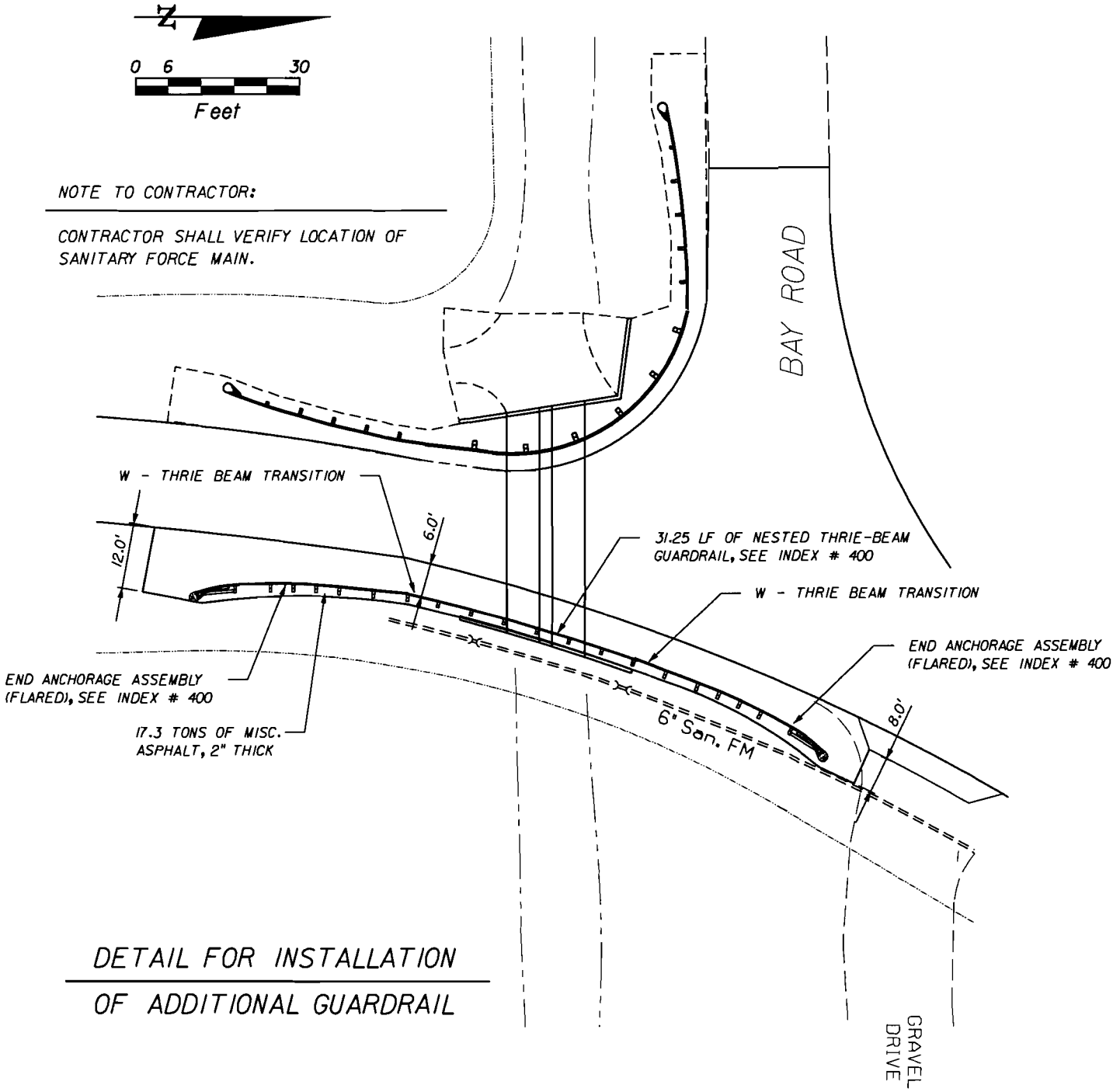
Scope Of Work:

-Guardrail Installation Per Drawing
-Special-Plated Posts
-Concrete Pad for Special-Plated Posts (2' wide by 1' depth to accommodate posts)
-MOT
-Misc. Asphalt

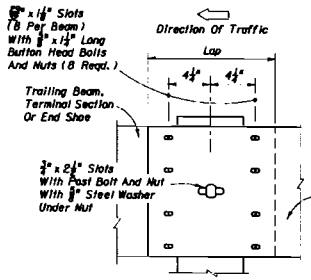
Item Description	Quantity	Price	Amount
Guardrail Installation Per Drawing	1 LS	$6,875.00	$6,875.00
Special-Plated Posts	1 LS	$ 875.00	$ 875.00
Concrete Pad For Special –Plated Posts	1 LS	$4,600.00	$4,600.00
MOT	3 Days	$1,500.00	$4,500.00
Misc. Asphalt	18.30 TONS	$ 125.00	$2,287.50
			$1,235.00 10% O&P
		TOTAL	**$20,372.50**

Very Truly Yours,
APAC-Southeast, Inc.
Bill Nowak
Bill Nowak, Project Manager

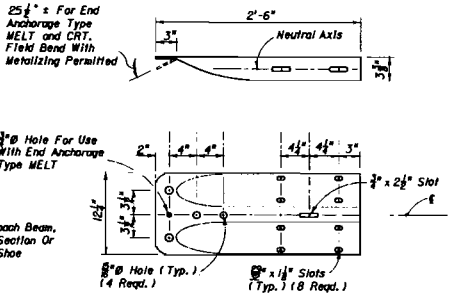
Safety First *Always*



DETAIL FOR INSTALLATION OF ADDITIONAL GUARDRAIL

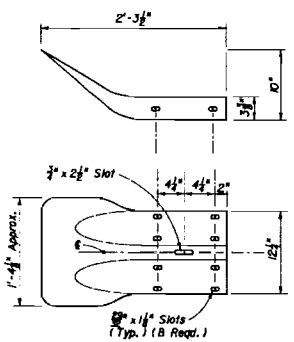


W-BEAM RAIL SPLICE

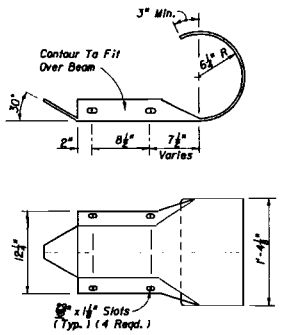


Note: ⅞"Ø Steel washer required with splice bolts

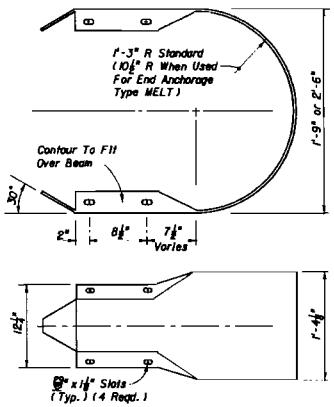
SPECIAL END SHOE



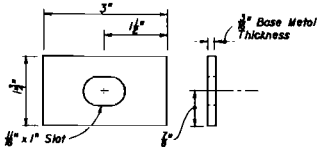
FLARED END SECTION



ROUNDED END SECTION



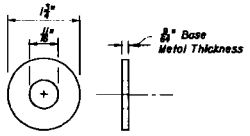
BUFFER END SECTION



Note: For beam washer requirements on end terminals, see individual end anchorage assembly details. Washers are to be used where necessary to accomplish alignment or where the posts bolt head shows tendency to pull through the rail slot. Washers installed on guardrail, between end anchorages, prior to July 1, 1990 may remain in place until the guardrail is relocated or until repairs require removal and reinstallment of a post bolt.

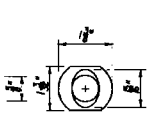
(RECTANGULAR PLATE WASHER)

BEAM WASHER



Note: The round washer is not intended for use under the recess nut for the beam to beam rail splice. The washer is required under the recess nut for connecting the beam to the special end shoe; under the post bolt nut for connecting the beam to the timber post and offset blocks; for connecting the beam to steel posts with timber offset blocks; under the hex bolt head for securing the beam anchor plate to the beam; and, for general guardrail connections by ⅝"Ø hex bolts and nuts and under hex nut for connecting rubrail to wood and steel posts. For supplemental information see BEAM ANCHOR PLATE, PERMISSIBLE POST AND OFFSET BLOCK COMBINATIONS, individual end anchorage assembly details, SPECIAL STEEL GUARDRAIL POSTS, SPECIAL END SHOE, W-BEAM RAIL SPLICE, THRIE-BEAM RAIL SPLICE, and THRIE-BEAM TERMINAL CONNECTOR details.

⅝" STEEL WASHER



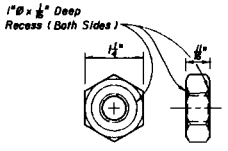
L (In.)	THREAD LENGTH (Min.) (In.)	APPLICATION
1½"	Full Length	Rail Splice Bolt
10"	4"	Single Or Double Faced Guardrail Post Bolt - Timber Or Recycled Plastic Offset Block(s) On Steel Post As An Option, A Single 25"* Long Post Bolt May Be Used
18"	4"	Post Bolt - Single Faced Guardrail Timber Posts
25"*	4"	Post Bolt - Double Faced Guardrail Timber Posts Double Faced Guardrail Steel Posts

Special bolts having lengths of 10" or greater shall have a thread length of not less than 4".

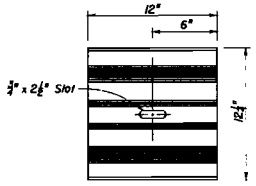
For applications where special bolts having lengths greater than 25" are required, the Contractor may use a ⅝"Ø threaded rod (field cut to length). A hex nut and beam washer shall be used at the guardrail face with no more than ¾" of the threaded rod projecting beyond the top of the nut. The projecting thread on both ends shall be distorted to secure the nuts, and both ends of the threaded rod metalized with organic zinc-rich coating.

* Use of the 25" AASHTO-AGC-ARTBA standard length post bolt on double faced guardrail that results in the bolt projecting more than ¾" beyond the face of the nut after pull-up shall be trimmed to ¾" reveal and metalized with organic zinc-rich coating.

⅝" OVAL SHOULDER BUTTON HEAD BOLT



⅝" MODIFIED HEAVY HEX NUT (RECESSED NUT)



Note: For application information see individual end anchorage assembly details.

W-BEAM BACK-UP PLATE

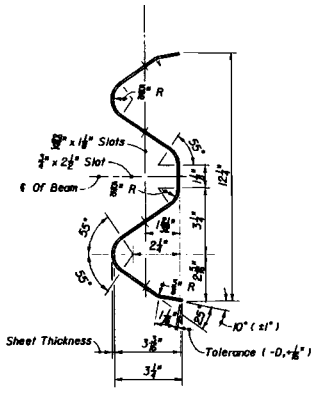
HS Hex bolts for THRIE-BEAM TERMINAL CONNECTORS shall conform to the requirements of ASTM A449 (Type 1) with heavy hex nuts and washers. All other hex bolts shall conform to the requirements of ASTM A563. Bolts, nuts and washers shall be hot dip galvanized. Heavy hex nut may be used in lieu of hex nuts and hex nuts used for jam nuts.

HEX BOLTS AND NUTS

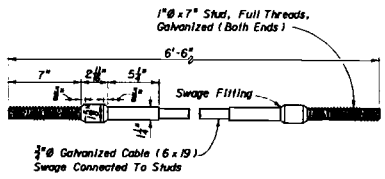
POST SPACING (Ft.)	OFFSETS (Ft.) Measured From Face Of Guardrail To Front Of Above Ground Rigid Hazard			
	SINGLE BEAM		NESTED BEAMS	
	W-Beam	Thrie-Beam	W-Beam	Thrie-Beam
6'-3"	4'	3'-3"	N/A	N/A
3'-1½"	3'	2'-8"	2'-8"	2'-4"
1'-6¼"	N/A	N/A	2'-4"	2'

Note: The values shown should be utilized unless changes are supported by Imperical validation. Those desiring to develop offset values from the simulated deflection values shown in Table 5.4 of the AASHTO Roadside Design Guide are cautioned to proceed only if background in the table development is understood.

MINIMUM OFFSET FOR SINGLE FACED GUARDRAIL (Ft.)

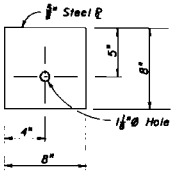


W-BEAM

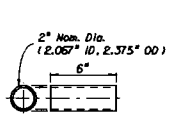


Note: Cable assemblies shall be in accordance with the specifications of AASHTO-AGC-ARTBA 'A Guide To Standardized Highway Barrier Hardware' Cable Anchor Assembly FCA01. An additional cable assembly 9' in length with a swaged fitting on one (1) end is required for each end anchorage assembly Type CRT.

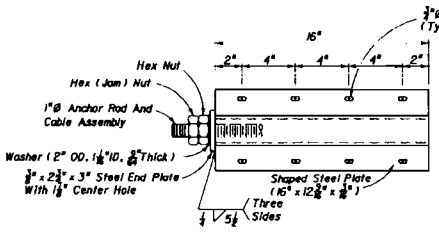
CABLE ASSEMBLY



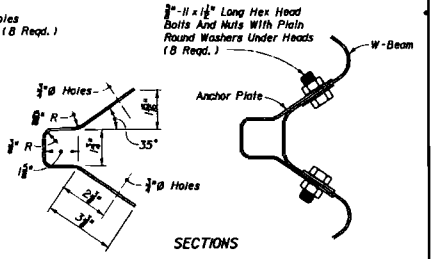
BEARING PLATE



BREAKAWAY TERMINAL POST SLEEVE

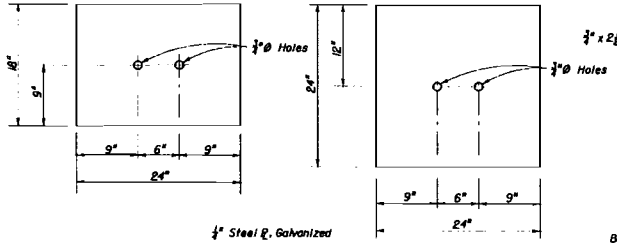


BACK VIEW



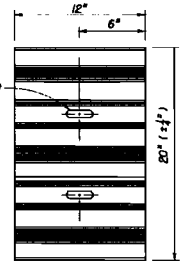
SECTIONS

BEAM ANCHOR PLATE



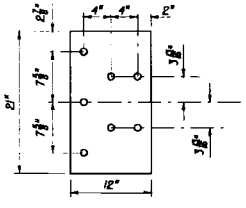
¼" Steel ℄, Galvanized

SOIL PLATES



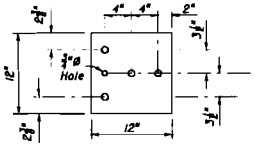
Back-up plate required behind rail elements at intermediate (non-splice) posts when steel offset block used.

THRIE-BEAM BACK-UP PLATE



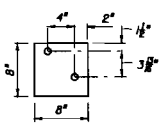
¾" Plate For Bridge Traffic Railing Barrier
¼" Plate For Barrier Walls

THRIE-BEAM TERMINAL CONNECTOR



¼" Plate For All Applications

SPECIAL END SHOE

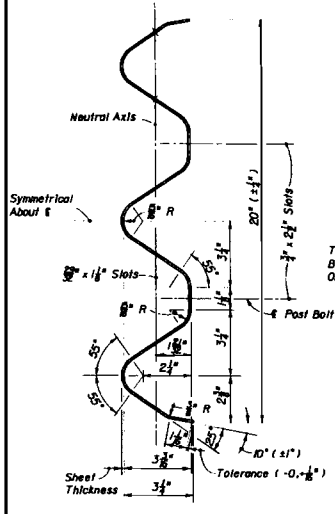


½" Plate
See Detail J For Application

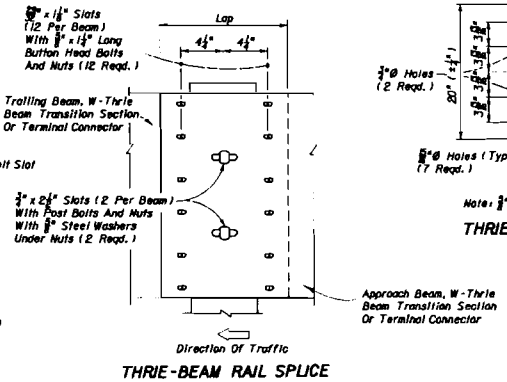
FILLER PLATE

All Holes 1"Ø Except As Shown

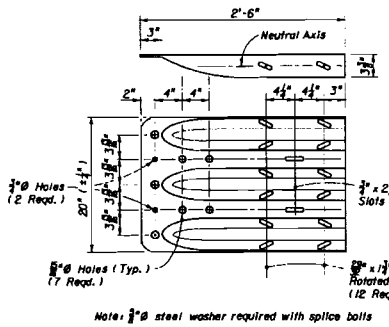
GALVANIZED STEEL BACK-UP PLATES FOR CONNECTING SPECIAL END SHOES AND TERMINAL CONNECTORS TO CONCRETE BRIDGE TRAFFIC RAILING BARRIERS AND CONCRETE BARRIER WALLS



THRIE-BEAM

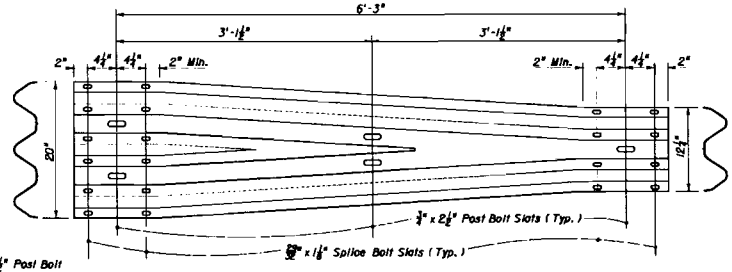


THRIE-BEAM RAIL SPLICE

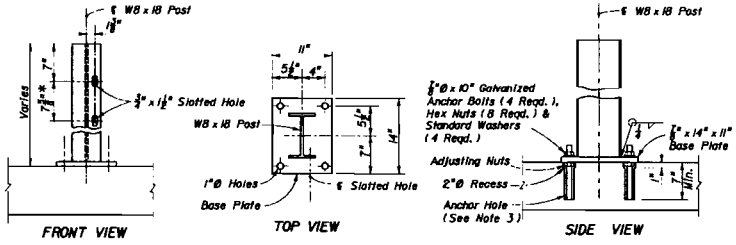


Note: ⅜"Ø steel washer required with splice bolts

THRIE-BEAM TERMINAL CONNECTOR

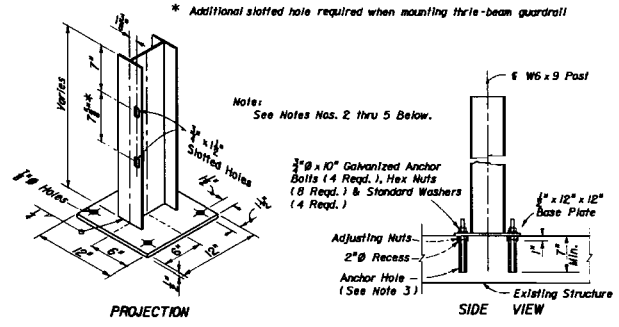


W-THRIE BEAM TRANSITION SECTION



FOR REPLACEMENT OF EXISTING W8 x 18 GUARDRAIL POSTS ON APPROACH SLABS AND BRIDGES

* Additional slotted hole required when mounting thrie-beam guardrail



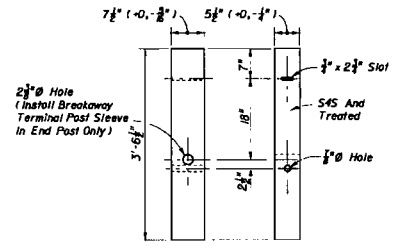
FOR CONSTRUCTION OF GUARDRAIL WHERE CULVERT, PIER FOOTING OR OTHER STRUCTURE PRECLUDES DRIVEN POST INSTALLATION

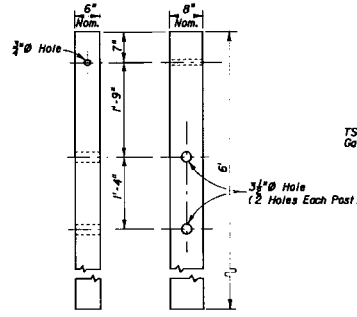
NOTES: (SPECIAL STEEL POST)

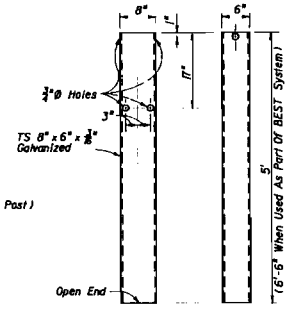
1. See Index No. 402 for special steel posts required for construction and repair of guardrail transitions to bridge traffic railing barrier retrofits on existing bridges. See Structures Index Nos. 470 through 476 for steel posts required to construct traffic railing barrier retrofits on existing bridges.
2. Either anchor bolts, concrete wedge anchors or approved Adhesive-Bonded Anchors for Structural Applications may be used.

   Anchor bolts, wedge anchors and adhesive anchors shall have a minimum tensile strength of 60,000 psi and galvanized in accordance with ASTM A153 (stainless steel components may be substituted but components plated in accordance with ASTM B-633 are not acceptable). Adhesive anchor rods shall be equal in diameter to that detailed for anchor bolts. Wedge anchors are to be installed in accordance with the manufacturer's recommendations, assuming 3,000 psi compressive strength for concrete. Wedge anchors shall also meet the following requirements: (a) tensile load each anchor: approach slabs 14,000 lbs., other structures 8,000 lbs. (b) shear load each anchor: approach slabs 15,000 lbs., other structurers 7,800 lbs.
3. Posts are to be plumbed by adjusting nuts or mortar seating. Posts installed using anchor bolts and adhesive anchors are to be set with adjusting nuts as detailed, unless the Engineer approves the use of mortar seating in lieu of adjusting nuts. Posts installed using wedge anchors are to be set with mortar seating. Base plates shall be grouted with neat finish.
4. Adhesive-Bonded Anchors for Structural Applications shall comply with Section 937 and be installed in accordance with Section 415. Drilled hole diameter shall be in accordance with the manufacturer's instructions.
5. Anchor holes and recesses shall be drilled; wedge anchor holes are to be drilled in accordance with the manufacturer's specifications. Encountered reinforcing steel shall be drilled through. Holes shall be thoroughly cleaned when setting bolts and anchors and dry when setting wedge anchors.
6. Steel post and base units shall be galvanized in accordance with ASTM A123. Any damaged galvanized areas are to be metalized in accordance with Section 562 of the Standard Specifications.
7. Special steel posts are not to be substituted for any post in a guardrail approach end treatment system.

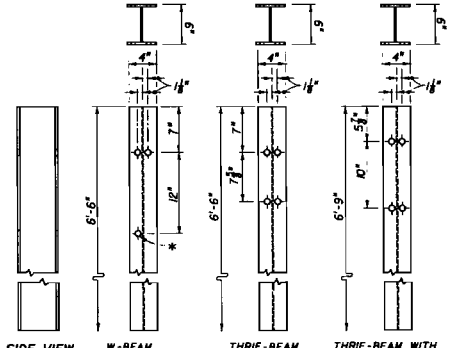
SPECIAL STEEL GUARDRAIL POSTS







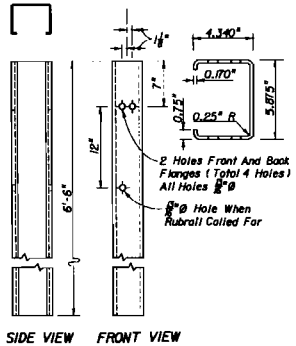
SPECIAL TIMBER GUARDRAIL POSTS



All Holes Shall Be ⅝"Ø Identical Front And Back Flanges

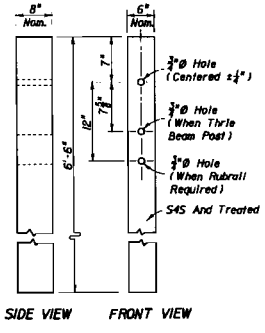
Note: W6 x 8.5 or W6 x 9 steel posts may be either rolled or welded structural shapes conforming to or exceeding the design properties of ASTM A6/A6M. Welding shall be in accordance with the requirements of ASTM A769/A769M. Posts shall be cut to length and the ends seal welded between web and flange before galvanizing. Posts to be galvanized in accordance with ASTM A123.

W6 x 8.5 OR W6 x 9 STEEL POST



Note: 6"-C steel posts are to face the same direction in any continuous run of guardrail. Posts to be galvanized in accordance with ASTM A123.

6"-C STEEL POST



STANDARD TIMBER AND STEEL GUARDRAIL POSTS

GUARDRAIL POSTS

Florida Department of Transportation
Item Average Unit Cost
From 2008/10/01 to 2009/04/30

Contract Type: CC #FAHRENIDE
Displaying: VALID ITEMS WITH HITS
From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0521 8 3	1	$204.77	$61,021.46	298.000	LF	N	CONC TRAF RAIL BAR,RET WALL SYS,32"V SHP
0521 72 3	3	$142.68	$489,822.17	3,433.000	LF	N	SHLDR CONC BARRIER WALL, RIGID-SHLDR
0521 72 4	1	$140.13	$198,143.82	1,414.000	LF	N	SHLDR CONC BARRIER WALL, RIGID RETAIN
0521 72 5	5	$118.24	$152,059.19	1,286.000	LF	N	SHLDR CONC BARRIER WALL,RIGID C&C
0521 72 6	3	$64.91	$235,423.39	3,627.000	LF	N	SHLDR CONC BARRIER WALL,PLAIN SHLDR
0521 72 7	1	$343.00	$424,291.00	1,237.000	LF	N	SHLDR CONC BARRIER WALL,RIGID SHLDR
0521 72 11	2	$184.07	$161,432.00	877.000	LF	N	SHLDR CONC BARRIER WALL,RIGID SHLDR 54"
0521 73	1	$29.00	$2,465.00	85.000	LF	N	CONCRETE BARRIER WALL, REMOVAL
0522 1	68	$32.48	$5,820,276.18	179,203.920	SY	N	SIDEWALK CONC, 4" THICK
0522 2	52	$41.17	$1,280,742.54	31,109.830	SY	N	SIDEWALK CONC, 6" THICK
0523 1 1	3	$98.82	$369,492.96	3,739.000	SY	N	PATTERNED/TEXTURED PAVT/ASPH
0523 1 2	7	$78.31	$425,777.61	5,437.300	SY	N	PATTERNED/TEXTURED PAVT/CONC
0524 1 1	8	$34.13	$271,346.53	7,950.600	SY	N	CONCRETE DITCH PAVT, NR, 3"
0524 1 2	9	$48.16	$56,669.30	1,176.800	SY	N	CONCRETE DITCH PAVT, NR, 4"
0524 1 4	4	$43.06	$52,574.53	1,221.000	SY	N	CONCRETE DITCH PAVT, NR, 6"
0524 1 19	1	$85.00	$13,175.00	155.000	SY	N	CONC DITCH PAVT, 3", REINFORCED
0524 1 29	1	$45.00	$945.00	21.000	SY	N	CONC DITCH PAVT, 4", REINFORCED
0524 1 49	2	$83.52	$74,915.00	897.000	SY	N	CONC DITCH PAVT, 6", REINFORCED
0524 2 2	4	$51.74	$69,437.20	1,342.000	SY	N	CONC SLOPE PAVT, NR, 4"
0526 1 1	1	$31.63	$1,992.69	63.000	SY	N	PAVERS, ARCHITECTURAL, ROADWAY
0526 1 2	5	$38.56	$231,480.05	6,003.000	SY	N	PAVERS, ARCHITECTURAL, SIDEWALK
0527 1	41	$419.61	$463,669.91	1,105.000	EA	N	DETECTABLE WARNING ON WALK SURF, RETRO
0530 1	12	$366.41	$286,497.76	781.900	CY	N	RIPRAP, SAND-CEMENT
0530 3 3	12	$76.76	$1,229,140.77	16,011.900	TN	N	RIPRAP, RUBBLE, BANK AND SHORE
0530 3 4	11	$99.93	$195,488.28	1,956.200	TN	N	RIPRAP, RUBBLE, F&I, DITCH LINING
0530 74	7	$61.74	$318,760.56	5,162.800	TN	N	BEDDING STONE
0530 78	2	$52.92	$450,801.34	8,518.000	SY	N	RIPRAP - ARTICULATING BLOCK
0534 72101	1	$20.35	$289,356.65	14,219.000	SF	N	SOUND BARRIER-INC FOUNDATION, PERM
0536 1 1	44	$15.99	$1,458,628.24	91,215.800	LF	N	GUARDRAIL- ROADWAY
0536 1 3	4	$21.40	$55,484.88	2,593.000	LF	N	GUARDRAIL- ROADWAY, DOUBLE FACE
0536 1 5	7	$23.31	$138,244.18	5,929.500	LF	N	GUARDRAIL- ROADWAY, THRIE BEAM
0536 1 6	3	$23.82	$20,272.42	851.050	LF	N	GUARDRAIL- BRIDGE, THRIE BEAM
0536 1 8	1	$27.00	$3,712.50	137.500	LF	N	GUARDRAIL, ROADWAY W RUB RAIL
→ 0536 1 11	1	$25.80	$11,610.00	450.000	LF	N	GUARDRAIL, ROADWAY, MOD THRIE BEAM
0536 1 12	1	$42.40	$511,471.20	12,063.000	LF	N	GUARDRAIL, ROADWAY, MOD THRIE BEAM DF

CESPO05 07/07/2009-07.00.02

Florida Department of Transportation
Item Average Unit Cost
From 2008/10/01 To 2009/04/30

Contract Type: CC
Displaying: VALID ITEMS WITH BIDS
From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0536 2	13	$21.70	$46,047.00	2,122.250	LF	N	GUARDRAIL- SHOP-BENT PANELS
0536 7	11	$208.76	$34,445.91	165.000	EA	N	SPECIAL GUARDRAIL POST
0536 8	20	$1,525.40	$208,980.22	137.000	EA	N	GUARDRAIL- BRIDGE ANCHORAGE ASSEM
0536 8 1	1	$1,821.20	$1,821.20	1.000	EA	N	GUARDRAIL,BRIDGE ANCHORAGE ASSEMBLY,INS
0536 8 6	5	$144.35	$2,598.36	18.000	EA	N	GUARDRAIL,BRIDGE ANCHORAGE ASSEM,REMOVE
0536 73	49	$2.32	$125,499.65	54,097.600	LF	N	GUARDRAIL REMOVAL
0536 76	3	$144.27	$55,110.50	382.000	EA	N	GUARDRAIL POST - SPECIAL LENGTH
0536 82	5	$2,346.25	$56,310.00	24.000	EA	N	GUARDRAIL ANCHORAGE- CONC BAR WALL
0536 83 1	1	$51.00	$2,601.00	51.000	EA	N	GUARDRAIL POST REPLACEMENT, REGULAR
0536 85 22	30	$1,649.00	$227,561.37	138.000	EA	N	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED
0536 85 24	15	$2,007.64	$80,305.68	40.000	EA	N	GUARDRAIL END ANCHORAGE ASSEM- PARALLEL
0536 85 25	26	$631.99	$91,006.74	144.000	EA	N	GUARDRAIL END ANCHORAGE ASSEM- TYPE II
0536 85 26	7	$1,396.63	$48,882.02	35.000	EA	N	GUARDRAIL END ANCHORAGE ASSEM- TYP CRT
0538 1	5	$4.88	$107,854.50	22,087.500	LF	N	GUARDRAIL RESET
0539 80111	1	$35.00	$7,549.50	215.700	LF	N	OPAQUE VISUAL BARR, F&I, CONC, 2'3" HT
0542 70	2	$23.42	$13,349.50	570.000	EA	N	BUMPER GUARDS, CONCRETE
0544 74 14	1	$10,207.89	$20,415.78	2.000	EA	N	REL CRASH CUSHION-VEH IMPACT ATTEN, QUAD
0544 75 14	8	$20,144.72	$382,749.64	19.000	EA	N	CRASH CUSHION-VEH IMPACT ATTEN,QUAD
0544 75 40	2	$19,400.00	$58,200.00	3.000	EA	N	CRASH CUSHION - VEH IMPACT ATTEN, OPT
0546 71	3	$198.11	$21,792.00	110.000	PS	N	RUMBLE STRIPS
0546 72 50	1	$3,265.69	$2,237.00	.685	PM	N	RUMBLE STRIPS, GROUND-IN, NON STD
0546 72 51	11	$1,736.06	$150,516.10	86.700	PM	N	RUMBLE STRIPS, GROUND-IN, 16" MIN. WIDTH
0547 70 1	3	$46.38	$79,553.80	1,715.270	SY	N	RIPRAP FABR-FORMED CNC,8" FILT POINTS
0548 12	6	$23.33	$3,053,423.41	130,872.000	SF	N	RETAINING WALL SYSTEM,PERM, EXC BAR.
0548 13	2	$12.72	$114,270.00	8,987.000	SF	N	RETAINING WALL SYSTEM,TEMP, EXC BAR.
0548 14	1	$22.44	$457,192.56	20,374.000	SF	N	RETAINING WALL SYSTEM,PERM-WID, ATTACHED
0550 10110	3	$6.82	$55,489.42	8,132.000	LF	N	FENCING, TYPE A, 0.0-5.0', STANDARD
0550 10210	1	$32.00	$17,600.00	550.000	LF	N	FENCING, TYPE B, 0.0-5.0', STANDARD FEAT
0550 10218	1	$21.00	$2,793.00	133.000	LF	N	FENCING, TYPE B, 0.0-5.0', RESET EXIST
0550 10220	7	$9.99	$83,001.85	8,310.000	LF	N	FENCING, TYPE B, 5.1-6.0, STANDARD
0550 10221	2	$8.46	$153,248.40	18,104.000	LF	N	FENCING, TYPE B, 5.1-6.0, W/ BARB ATTMT
0550 10222	3	$14.31	$103,322.25	7,222.000	LF	N	FENCING, TYPE B, 5.1-6.0, W/ VINYL COAT
0550 10228	2	$12.66	$41,109.85	3,247.000	LF	N	FENCING, TYPE B, 5.1-6.0, RESET EXISTING
0550 10240	1	$9.40	$86,113.40	9,161.000	LF	N	FENCING, TYPE B, 7.1-8.0', STANDARD
0550 10251	2	$25.22	$97,176.10	3,853.000	LF	N	FENCING,TYPE B,8.1-10.0',W/ BRBD WR ATT