

Memorandum



Date: December 12, 2023

To: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

Agenda Item No. 8(N)(7)

From: Daniella Levine Cava
Mayor

A handwritten signature in blue ink that reads "Daniella Levine Cava".

Subject: Resolution Authorizing the Amendment to the Railroad Reimbursement Agreement Approved under Resolution No. R-335-21 to Increase the Cost Estimate in the Amount of \$385,920.81 for a Total Revised Contract Amount of \$1,078,300.03 for the Installation of a New Concrete Surface of the Railroad Crossing at NW 22 Avenue in the Vicinity of Ali Baba Avenue

Executive Summary

This item approves an amendment to a previously approved Railroad Reimbursement Agreement, pursuant to Resolution No. R-335-21, increasing the contract amount by \$385,920.81, of which the County is responsible for \$308,735.35 and the Florida Department of Transportation (FDOT) for \$77,185.46. This increase is for the installation of a new concrete surface of the railroad crossing at NW 22 Avenue in the vicinity of Ali Baba Avenue. The cost increase is attributed to the current cost of materials and labor under the Agreement for the track, roadway, and signals work as well as traffic control device installation and flagging services. The total revised contract amount is \$1,078,300.03.

Recommendation

It is recommended that the Board of County Commissioners (Board) approve the attached resolution authorizing the Amendment to the Railroad Reimbursement Agreement between Miami-Dade County, FDOT and the South Florida Regional Transportation Authority (SFRTA) for the installation of a new concrete surface of the railroad crossing at NW 22 Avenue in the vicinity of Ali Baba Avenue. This amendment increases the total contract amount by \$385,920.81 as indicated in the new estimated cost provided by SFRTA.

Scope

This Amendment is for one crossing located within District 1, which is represented by Commissioner Oliver G. Gilbert, III.

Fiscal Impact/Funding Source

The additional amount needed is \$385,920.81. The County is responsible for \$308,735.35 and FDOT is responsible for \$77,185.46. The total cost to the County with this amendment is \$885,718.03 and to FDOT is \$192,582.00. Funding for this work will be provided from Road Impact Fee District 3. The index code is CPEMT03C, and the Capital Project is RESURFACING – COUNTYWIDE IMPROVEMENTS (P2000000539); SITE: 3002076 - RESURFACE RAILROAD CROSSING NW 22 AVENUE AND ALI BABA AVENUE.

Track Record/Monitor

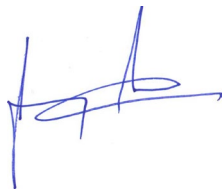
Javier Bustamante, Department of Transportation and Public Works, Assistant Director, Transit Project Management and Support Services, is responsible for monitoring the project.

Delegated Authority

Pursuant to Section 2-8.3 of the County Code, there are no delegations of authority beyond those specified in the attached resolution which authorize the County Mayor or County Mayor's designee to execute the tri-party amended agreement on behalf of Miami-Dade County and to exercise the provisions contained therein.

Background

The cost estimate included under Resolution No. R-335-21 has been increased by SFRTA as indicated in the attached Amendment, modifying the amounts on Items 5 and 22. The rest of the agreement remains unchanged. The original cost estimate was provided to the County in July 2020 and the cost increase is due to the current cost of materials and labor.



Jimmy Morales
Chief Operations Officer



MEMORANDUM
(Revised)

TO: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

DATE: December 12, 2023

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(N)(7)

Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Statement of social equity required
- Ordinance creating a new board requires detailed County Mayor's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(N)(7)
12-12-23

RESOLUTION NO. _____

RESOLUTION AUTHORIZING AMENDMENT TO THE RAILROAD REIMBURSEMENT AGREEMENT APPROVED UNDER RESOLUTION NO. R-335-21 TO INCREASE THE CONTRACT AMOUNT BY \$385,920.81, OF WHICH \$308,735.35 IS THE RESPONSIBILITY OF THE COUNTY, FOR A TOTAL REVISED CONTRACT AMOUNT OF \$1,078,300.03, OF WHICH \$885,718.03 IS THE RESPONSIBILITY OF THE COUNTY, AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE SAME AND TO EXERCISE ALL PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board approves the amendment to the Railroad Reimbursement Agreement, in substantially the form attached hereto and incorporated herein, to increase the contract amount \$385,920.81, of which \$308,735.35 is the responsibility of the County, for a total revised contract amount of \$1,078,300.03, of which \$885,718.03 is the responsibility of the County, for the installation of a new concrete surface of the railroad crossing at NW 22 Avenue in the vicinity of Ali Baba Avenue; and authorizes the County Mayor or the County Mayor's designee to execute same, on behalf of Miami-Dade County and to exercise all provisions contained therein.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Oliver G. Gilbert, III, Chairman
Anthony Rodríguez, Vice Chairman

Marleine Bastien	Juan Carlos Bermudez
Kevin Marino Cabrera	Sen. René García
Roberto J. Gonzalez	Keon Hardemon
Danielle Cohen Higgins	Eileen Higgins
Kionne L. McGhee	Raquel A. Regalado
Micky Steinberg	

The Chairperson thereupon declared this resolution duly passed and adopted this 12th day of December, 2023. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Eduardo W. Gonzalez



**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
RAILROAD REIMBURSEMENT AGREEMENT
GRADE CROSSING AND CROSSING TRAFFIC CONTROL DEVICES
SOUTH FLORIDA RAIL CORRIDOR ONLY
COUNTY ROADS RR CROSSINGS ONLY**

Financial Project I.D.	Road Name or Number	County Name	Parcel & R/W Number	FAP Number
437875-2-57-01	NW 22 nd Avenue	Miami-Dade	9(87504-2606)	

AMENDMENT TO RAILROAD REIMBURSEMENT AGREEMENT

This Railroad Reimbursement Agreement (“**Agreement**”) is made as of _____, 20____, by and between Miami-Dade County (**County**), the State of Florida Department of Transportation (**FDOT**) and the South Florida Regional Transportation Authority (**SFRTA**).

EXPLANATORY STATEMENT

Miami-Dade County, the State of Florida Department of Transportation (FDOT) and the South Florida Regional Transportation Authority (SFRTA). (collectively, the "Parties"), through their authorized representatives, agree to amend the Railroad Reimbursement Agreement between them for the above referenced project as follows:

- 1) The Parties agree to the attached revised estimate.
- 2) Modify Item 5 to account for FDOT' contribution increased from \$115,396.54 to 192,582.00 and approved by FDOT Change Order #1 dated 12/21/2022 as follows:

5. It is understood and agreed that, if the project, is at **COUNTY** expense, the **COUNTY** shall receive fair and adequate credit for any salvage as a result of the above adjustment work; otherwise, the **DEPARTMENT** shall receive the salvage credit.

Upon completion of the work, the **SFRTA** shall, within one hundred eighty (180) days, furnish the **COUNTY** with three (3) copies of its final and complete billing of all costs incurred in connection with the work performed hereunder, such statement to follow as closely as possible the order of items contained in the estimate attached hereto. The **COUNTY** shall reimburse the **SFRTA** for its portion of all actual costs attributable to the Project subject to other provisions in this Agreement. As a voluntary contribution to the Project, the **DEPARTMENT** shall reimburse **SFRTA** directly for the portion of the construction located within the railroad ties for a total amount not to exceed ~~\$415,396.54~~ **\$192,582.00**; it is understood that this payment represents a one-time only financial contribution from the **DEPARTMENT** to the Project and that all other and future costs of construction, reconstruction, rehabilitation and maintenance related to the crossing are the sole financial responsibility of the **COUNTY**. The total for labor, overhead, travel expenses, transportation, equipment, material and supplies, handling costs, and other services shall be shown in such a manner as will permit ready comparison with the approved

plans and estimates. Materials shall be itemized where they represent major components of cost in the relocation following the pattern set out in the approved estimate as closely as possible. Salvage credits from recovered and replaced permanent and recovered temporary materials shall be reported in said bills in relative position with the charge for the replacement or the original charge for temporary use.

Upon completion of the work, the **SFRTA** shall, within one hundred eighty (180) days, furnish the **DEPARTMENT** with three (3) copies of its final and complete billing of all costs incurred in connection with the work performed within the railroad ties, as agreed above, such statement to follow as closely as possible the order of items contained in the estimate attached hereto. Materials shall be itemized where they represent major components of cost in the relocation following the pattern set out in the approved estimate as closely as possible.

The final billings provided by SFRTA shall show the description and site of the Project; the date on which the first work was performed, or, if preliminary engineering or right-of-way items are involved, the date on which the earliest item of billed expenses was incurred; the date on which the last work was performed or the last item of billed expenses was incurred; and the location where the records and accounts billed can be audited. Adequate reference shall be made in the billing to the **SFRTA's** records, accounts, and other relevant documents. All cost records and accounts shall be subject to audit by representatives of the **COUNTY** and the Department. Upon receipt of invoices, prepared in accordance with the above reimbursement provisions, the **COUNTY** agrees to reimburse the **SFRTA** in the amount of such actual costs approved by the **COUNTY**. Upon receipt of invoices, prepared in accordance with the above reimbursement provisions, the **DEPARTMENT** agrees to reimburse the **SFRTA** in an amount not to exceed ~~\$115,396.54~~ **\$192,580.70**, as set forth above.

3) Modify Item 22 to increase the estimated project cost from \$692,379.22 to \$1,078,300.03 as follows:

22. Attached hereto, and by this reference made a part hereof, are the specifications of the work to be performed by **SFRTA** pursuant to the terms hereof, and an estimate of the costs thereof in the amount of ~~\$692,379.22~~ **\$1,078,300.03**. All work performed by the **SFRTA** pursuant hereto, shall be performed according to these plans and specifications as approved by the **DEPARTMENT**, and the Federal Highway Administration, if federal aid participating; and all subsequent plan changes shall likewise be approved by the **DEPARTMENT** and the Federal Highway Administration, when applicable.

4) All other terms of the Construction Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed in duplicate, each by its duly authorized officers, as of the date of this Agreement.

SFRTA

South Florida Regional Transportation Authority, A body politic and corporate and an agency of

the State of Florida

By: 
SFRTA Executive Director

Date: 3.3.2023

Attest: _____

Approved as to form and legal sufficiency

By: 
SFRTA Deputy General Counsel

DEPARTMENT

State of Florida, Department of Transportation,
An Agency of the State of Florida

By: _____
Director of Transportation Development

Date: _____

Legal Review (DEPARTMENT):

By: _____

COUNTY

By: _____

Date: _____

Legal Review (COUNTY):

BY: _____

NW 22nd Avenue: Crossing 628320N) - MP SX 1028.82		
Item	Description	Cost
1.0	RAILROAD-HIGHWAY ROAD CROSSING CONSTRUCTION - TRACK WORK	\$ 485,176.06
2.0	RAILROAD-HIGHWAY ROAD CROSSING CONSTRUCTION - ROADWAY WORK	\$ 305,818.80
3.0	RAILROAD-HIGHWAY ROAD CROSSING CONSTRUCTION - SIGNALS WORK	\$ 9,265.99
4.0	FLAGGING SERVICES	\$ 15,390.46
5.0	PERFORMANCE BOND & G/L INSURANCE	\$ 13,810.26
	Construction Total	\$ 829,461.56
	Contingency	\$ 82,946.16
	CEI	\$ 82,946.16
	Design	\$ 82,946.16
	Grand Total	\$ 1,078,300.03

PARTICIPATION BREAKDOWN		
FDOT FINANCIAL PARTICIPATION	\$	192,582.00
CITY OF OPA-LOCKA FINANCIAL PARTICIPATION	\$	885,718.03
TOTAL		\$1,078,300.03



Estimated Cost for Extra Work #Estimate 5

Grade Crossing Renovation NW 22nd Avenue - G28320N

2. Cost:

A. Management

Position	Work Hours	FBLC Hourly Rate	Labor Bid Total
Facility Manager	-	59.26	-
Office Admin / HR	16.00	55.70	891.18
Materials Manager	-	57.85	-
Signal Manager 1	-	80.55	-
Signal Manager 2	-	79.49	-
Sr Signal Manager	-	108.13	-
Project Accountant	16.00	41.35	661.58
Project Manager	50.00	118.37	5,918.35
Safety Manager	-	78.64	-
Asst. Supervisor of Track	40.00	67.72	2,708.87
Project Engineer	30.00	74.77	2,243.21
Manager of Flagging	-	87.19	-
Mechanic	60.00	67.72	4,063.31
Management Labor Total			16,486.49

II. Vehicle

Description	Hours	Equip. Rate	Equip. Bid Total
Pick-up F150	56.00	22.36	1,252.16
Pick-up F250	-	27.59	-
SUV-Flagging	16.00	16.40	262.40
SUV-Large	-	19.45	-
Management Equipment Total			1,514.56



Estimated Cost for Extra Work #Estimate 5

Grade Crossing Renovation NW 22nd Avenue - 628320N

B. Track Costs

I. Labor

Position	WK HRS RE	WK HRS OT	HRLY RATE RE	HRLY RATE OT	RE TOTAL COST	OT TOTAL COST	TOTAL
RR Track Welder Helper	-	-	55.05	60.06	-	-	-
RR Track / Surfacing Foreman	16.00	48.00	58.84	68.56	941.36	3,290.99	4,232.35
Tamper/Backhoe Operator	126.00	156.00	58.78	68.50	7,406.75	10,686.12	18,092.87
Flagman	-	-	52.15	62.34	-	-	-
Track Inspector	-	-	63.72	75.83	-	-	-
Vehicle Operator	-	-	57.36	63.77	-	-	-
Track Laborer/Trackman	128.00	192.00	53.81	61.18	6,888.00	11,731.25	18,619.25
Utility Worker	-	-	50.65	61.99	-	-	-
RR Welder	-	32.00	60.14	70.50	-	2,255.98	2,255.98
Tamper/Backhoe Operator (New Construction)	8.00	48.00	51.99	67.75	415.90	3,252.12	3,668.02
Track Laborer (New Construction)	8.00	48.00	48.14	60.79	385.15	2,918.05	3,303.21
Track Labor Total							50,171.68

II. Equipment

Description	Hours	Equip. Rate	Equip. Bid Total
F250 Hi-rail	-	38.10	-
F350 Hi-rail	-	40.41	-
F550	-	35.73	-
F750 Mechanics Truck	60.00	72.79	4,367.40
Hi-rail Grapple Truck	8.00	174.37	1,394.98
Backhoe	-	70.84	-
Loader 966 CAT	-	138.89	-
Speed Swing 181TC	-	89.57	-
Speed Swing 360	-	94.79	-
Speed Swing 445	-	73.78	-
Gelsmar 360	-	115.83	-
Swivel Dump Hi-Rail	74.00	90.27	6,680.11
Welding Van	16.00	121.32	1,941.12
Light tower	64.00	17.26	1,104.70
Tamper Jackson	-	320.95	-
Dynamic Stabilizer	20.00	171.87	3,437.44
Regulator	20.00	185.23	3,704.56
Hi-Rail Section truck	64.00	119.62	7,655.52
Tilt trailer	16.00	8.20	131.20
Dump truck	-	110.19	-
Pick-up 150	-	22.36	-
Mini Rail Train	-	48.60	-
Low boy Trailer with Tractor	-	114.55	-
Skid Steer w/Bushhog	-	63.25	-
Spiker	-	116.47	-
Spike Puller	-	55.95	-
Tripp Tie Inserter Extractor	-	94.30	-
Rail Lifter - Walk Behind	-	21.96	-
Water Buffalo	16.00	7.50	120.00
Tie Crane	-	43.59	-
Saw 14" Walk Behind Asphalt / Concrete	-	6.45	-
Excavator SK170	-	229.19	-
Excavator CAT 349	-	208.60	-
CATD5L Dozer	-	115.36	-
CATCS44B Vibe Roller	-	46.32	-
CAT966 Loader	-	138.53	-
CAT420 Backhoe	-	26.05	-
CAT450 Backhoe	-	67.17	-
Telehandler	-	28.92	-
Grapple M4248	-	102.86	-
Kenworth T880 w/ Lowboy Trailer	-	30.45	-
20 T trailer	-	106.62	-
Tamper	-	234.92	-
Hi-Rail Snooper Truck	-	194.00	-
Hi-Rail VAC Truck	-	118.20	-
Track Equipment Total			30,537.03

III. Materials

Type	Qty	UOM	Unit Price	Freight/Tax	Cost
8' 125F1 136lb Omega Crossing panels	268.125	LF	205.00	21,000.00	75,965.63
End Plates for Omega Crossing panels	2	SET	475.00		950.00
7' X 9' x10" fl Wood Ties Pre Plated (108-T1, 101-T2)	207	EA	180.12		39,354.84
7' X 9' x8'-6" fl Wood Ties Pre Plated Cut Spike	30	EA	230.30		6,909.00



Estimated Cost for Extra Work #Estimate 5

Grade Crossing Renovation NW 22nd Avenue - 628320N

C. Signal

I. Labor

Position	WK HRS RE	WK HRS OT	HRLY RATE RE	HRLY RATE OT	RE TOTAL COST	OT TOTAL COST	TOTAL
Signal Maintainer	8.00	68.00	66.97	80.55	535.79	5,477.72	6,013.51
Signal/ Comm Tech	-	-	81.18	101.78	-	-	-
Signalman	-	60.00	66.55	79.94	-	4,796.39	4,796.39
Signal Foreman	-	40.00	74.85	92.31	-	3,692.46	3,692.46
Signal Inspector	-	-	81.18	101.78	-	-	-
Signal Labor Total							14,502.36

II. Equipment

Description	Hours	Equip. Rate	Equip. Bid Total
Signal Truck	68.00	27.40	1,863.20
Signal Hi-Rail vehicle	-	37.20	-
Pick-up 150	40.00	22.36	894.40
F-350 Work Truck	30.00	40.41	1,212.30
CAT308 Mini Excavator	-	48.42	-
Signal Equipment Total			3,969.90

III. Materials

Type	Qty.	UOM	Unit Price	Freight + Tax	Cost
#6 Bond Strand		EA	2.17	0.00	-
Weld Metal, Cadweld Rail (Erico International Corp)	36.0	EA	2.11	5.32	81.28
Sleeve for Field Made Bonds SBS12C (Erico International Corp)	16.0	EA	0.82	0.92	14.04
Graybar Ideal 42-210 3" Elec Marking Tape	1.00	EA	82.34	5.76	88.10
Graybar 430 Greenlee -Pulwire	1.00	EA	54.87	3.84	58.71
Conduit Sch 80	300.00	LF	13.98	293.58	4,487.58
End Cap Sch 80	4.00	EA	18.17	5.09	77.77
Joint Bond SB2017 (Erico International Corp)		EA	11.12	0.00	-
Track Wire 2C # 6		LF	4.00	0.00	-
GRAYBAR - 3/4 LT FLEX		LF	1.21	0.00	-
GRAYBAR - 3/4 PVC COND CLAMP		EA	0.33	0.00	-
GRAYBAR - 1/4 X 1-1/4 ANCHOR		EA	0.26	0.00	-
HUBBELL INC. - PE9AHD501223 - GRADE LEVEL BURIED CABLE ENCLOSURE		EA	79.10	0.00	-
Signal Materials Total					4,807.48



Estimated Cost for Extra Work #Estimate 5
Grade Crossing Renovation NW 22nd Avenue - 628320N

D. Structures Department

I. Labor

Position	WK HRS RE	WK HRS OT	HRLY RATE RE	HRLY RATE OT	RE TOTAL COST	OT TOTAL COST	TOTAL
Bridge Tender	-	-	52.40	57.17	-	-	-
Bridge Tender/Blue Hat	-	-	55.74	64.44	-	-	-
	-	-	-	-	-	-	-

Structures Labor Total -

II. Equipment

Description	Hours	Equip. Rate	Equip. Bid Total
Pick-up 150	-	22.36	-
	-	-	-

Structures Equipment Total -

III. Materials

Type	Qty.	UOM	Unit Price	Freight	Cost
					-
					-
					-
					-
					-
					-
					-

Structures Materials Total -



Estimated Cost for Extra Work #Estimate 5
Grade Crossing Renovation NW 22nd Avenue - 628320N

E. Facility

I. Labor

Position	WK HRS RE	WK HRS OT	HRLY RATE RE	HRLY RATE OT	RE TOTAL COST	OT TOTAL COST	TOTAL
Janitor	-	-	39.69	48.11	-	-	-
Carpenter	-	-	43.30	53.82	-	-	-
Electrician	-	-	47.48	60.32	-	-	-
Painter	-	-	39.13	47.58	-	-	-
	-	-	-	-	-	-	-

Facility Labor Total -

II. Equipment

Description	Hours	Equip. Rate	Equip. Bld Total
Transit Van	-	25.94	-
Paint Sprayer	-	12.81	-
Pick-up 150	-	22.36	-
Steam Pressure Washer	-	6.31	-

Facility Equipment Total -

III. Materials

Type	Qty.	UOM	Unit Price	Freight + Tax	Cost
					-
					-
					-
					-
					-
					-

Facility Materials Total -



Estimated Cost for Extra Work #Estimate 5

Grade Crossing Renovation NW 22nd Avenue - 628320N

F. Material Procurement/RMIS

I. Labor

Position	WK HRS RE	WK HRS OT	HRLY RATE RE	HRLY RATE OT	RE TOTAL COST	OT TOTAL COST	TOTAL
Data Mgmt. (RMIS)	-	-	34.22	40.37	-	-	-
	-	-			-	-	-
Facility Labor Total							-

II. Equipment

Description	Hours	Equip. Rate	Equip. Bid Total
F-150	-	22.36	-
	-	-	-
Facility Equipment Total			-

III. Materials

Type	Qty.	UOM	Unit Price	Freight	Cost
					-
					-
					-
					-
Facility Materials Total					-

Estimated Cost for Extra Work #Estimate 5
Grade Crossing Renovation NW 22nd Avenue - 628320N

3. Summary

F. Sub-Contractors

Name	Description	Price Per	UOM	Unit Price	Sub. Bid Total
Big D Paving	Paving	1.00	LS	90,450.00	90,450.00
Big D Paving	Concrete Work - Curb & Gutter, Sidewalks, ADA	1.00	LS	28,250.00	28,250.00
Big D Paving	Striping and RDE	1.00	LS	46,479.00	46,479.00
Acme Barricades	MOT X-ing Rehab	1.00	LS	8,239.00	8,239.00
Acme Barricades	MOT RDE & Roadway Markings	1.00	LS	8,239.00	8,239.00
Danella	Construction Support	1.00	LS	32,120.00	32,120.00
Woolpert	Pre - Post Topographical Survey & Construction Layout	1.00	LS	14,500.00	14,500.00
Dewberry	As-built Survey	1.00	LS	12,500.00	12,500.00
FHP	Traffic Control & Security X-ing Rehab	706.00	HR	65.00	45,890.00
FHP	Admin - Traffic Control X-ing Rehab	1.00	LS	4,589.00	4,589.00
Sub-Contractors Total					291,256.00

G. Mobilization & Demobilization

Type	Detail	Bid Total
Mob/Demob	Move Trackhoe Catskills	\$2,400.00
	Move Loader Catskills	\$1,600.00
Total		4,000.00

H. Miscellaneous

Description	Cost
Dumpster for Tie Disposal	1,200.00
Excavation Removal 20 Loads	29,320.00
Flagging	13,383.00
CATD5L Dozer	2,956.19
CATCS44B Vibe Roller	1,187.88
CAT308 Mini Excavator	1,135.54
CAT966 Loader	3,440.18
CAT420 Backhoe	681.87
CAT450 Backhoe	1,711.33
CAT349 Excavator	5,239.80
SK170 Excavator	8,762.63
Telehandler	769.12
Grapple N4248	2,384.06
Kenworth T880	1,717.92
Lowboy	850.20
20 T trailer	259.28
Tamper	5,590.26
Diesel	5,500.00
Miscellaneous Total	\$86,089.25

Type	Cost
Total Labor	81,160.53
Total Equipment	36,021.49
Total Materials	236,061.34
Total Mobilization	4,000.00
Total Miscellaneous	86,089.25

Subtotal	443,332.61
15% Markup	66,499.89
Total	\$ 509,832.50

Sub Contractor Total	291,256.00
5% Markup	14,562.80
Total	305,818.80

Performance Bond	
0.85%	6,244.00

G/L Insurance	
1.03%	7,566.26

Grand Total	829,461.56
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