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TUESDAY, JUNE 25, 2019
CITY COUNCIL REVISED AGENDA
6:00 PM

- I. Call to Order.
- II. Pledge of Allegiance/Invocation (Councilman Ledford).
- III. Minute Approval.
- IV. Special Presentation.
- V. **Ordinances – Final Reading:**

FINANCE

- a. An ordinance, hereinafter also known as “the Fiscal Year 2019-2020 Operations Budget”, providing revenue for the Fiscal Year beginning July 1, 2019, and ending June 30, 2020; appropriating same to the payment of expenses of the municipal government; fixing the rate of taxation on all taxable property in the City, and the time taxes and privileges are due, how they shall be paid, when they shall become delinquent; providing for interest and penalty on delinquent taxes and privileges; amending Chattanooga City Code, Part II, Chapter 2, Section 2-267, relative to paid leave for active-duty training and to amend Chattanooga City Code, Part II, Chapter 31, Sections 31-36, 31-37, 31-41, and 31-43, Sections 31-322 and 31-354.
- b. An ordinance appropriating, authorizing or allocating funds to the Capital Improvements Budget for the Fiscal Year 2019-2020.

PLANNING

- c. 2019-045 Chazen Engineering Consultants % Justin Tirsun (A-1 Urban Agricultural Zone and R-1 Residential Zone to R-T/Z Residential Townhouse/Zero Lot Line Zone, C-2 Convenience Commercial Zone and UGC Urban General Commercial Zone). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone property addressed to Fringe Road, more particularly described herein, from A-1 Urban Agricultural Zone and R-1 Residential Zone to R-T/Z Residential Townhouse/Zero Lot Line Zone, C-2 Convenience Commercial Zone and UGC Urban General Commercial Zone, subject to certain conditions. **(District 1) (Alternate Version #3)**

- d. [2019-039 Chattanooga Gas Company % Josh McCrary \(M-3 Warehouse and Wholesale Zone and R-3 Residential Zone to M-2 Light Industrial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone property located at 6421 Bonny Oaks Drive, more particularly described herein, from M-3 Warehouse and Wholesale Zone and R-3 Residential Zone to M-2 Light Industrial Zone, subject to certain conditions. \(District 5\) \(Recommended for approval by Planning and denial by Staff\) \(Revised\)](#)

PUBLIC WORKS AND TRANSPORTATION

Transportation

- e. [An ordinance to amend Chattanooga City Code, Part II, Chapter 24, Division 8, Section 24-507, relative to Restricted On-Street Parking Areas. \(District 7\)](#)

VI. **Ordinances – First Reading:**

PLANNING

- a. [An ordinance to amend Chattanooga City Code, Part II, Chapter 11, Article XX, Short Term Vacation Rental Certificate, Section 11-510, by amending the definition of “Short Term Vacation Rental District” to adopt a new Short Term Vacation Rental Overlay District Map for property extended on Seminole to end at 3218 Pinewood Avenue. \(District 9\)](#)

VII. **Resolutions:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [A resolution authorizing the Mayor to enter into a Fourth Amendment to Lease Agreement with East Nooga, LLC, in substantially the form attached, for senior activity meeting space in a portion of Eastgate Town Center at 5600 Brainerd Road for an additional term of one year, for the amount of \\$6,843.00 per month, for a total amount of \\$82,116.00 per year. \(District 6\)](#)
- b. [A resolution authorizing the Mayor to enter into a Second Amendment to Lease Agreement and Agreement to Exercise Option to Renew, in substantially the forms attached, with Bessie Smith Cultural Center, to include extension of the agreement term to July 1, 2024. \(District 8\)](#)
- c. [A resolution authorizing the Administrator for the Department of Economic and Community Development to donate six \(6\) youth mountain bicycles to the City of Collegedale Police Department Initiative for bicycle and pedestrian safety programs, for an estimated total value of \\$240.00.](#)

- d. A resolution authorizing the Administrator for the Department of Economic and Community Development to enter into an agreement with CityView, a division of N. Harris Computer Corporation, for cloud hosting services related to the operating system for ECD Code Division, for a one-year period beginning July 1, 2019, and renewable for two (2) additional one-year terms, for a total of three (3) years, for a total amount not to exceed \$150,000.00.
- e. A resolution setting a public hearing to establish a Downtown Central Business Improvement District, pursuant to Tennessee Code Annotated Section 7-84-511(2). (Deferred from 6/18/19) (Sponsored by Chairman Oglesby, Councilman Byrd, and Councilman Mitchell)

LEGAL

- f. A resolution authorizing the Office of the City Attorney to engage the various law firms listed below for legal services in general litigation matters; corporate, transactional, intellectual property & administrative matters; labor & employment matters; planning & zoning matters; and government relations matters for the period of July 1, 2019 through June 30, 2020.

MAYOR'S OFFICE

- g. A resolution to confirm the Mayor's re-appointments of Ronald W. Smith and Trevor F. Atchley to the Beer and Wrecker Board.
- h. A resolution to confirm the Mayor's appointments of Vince Butler and Alicia Anne "Pam" Thompson to the Beer and Wrecker Board. (Revised by permission of Chairman Oglesby)

PUBLIC WORKS AND TRANSPORTATION

Public Works

- i. A resolution authorizing the award of Contract No. R-19-006-201 to Integrated Properties, LLC of Chattanooga, TN, Multiple Ballfield and Facility Improvements, in the amount of \$160,905.04, with a contingency in the amount of \$20,000.00, for a total amount of \$180,905.04. (Districts 1, 6 & 7)
- j. A resolution authorizing the award of Contract No. W-19-002-201 to Talley Construction Company, Inc. of Rossville, GA, Sanitary Sewer Installation and Repair at ISS and Related Facilities Blanket Contract, in the amount of \$1.5 million.

Transportation

- k. A resolution authorizing the approval of Change Order No. 1 for Barge Design Solutions, Inc. relative to Contract No. T-15-013-101, Downtown One-Way to Two-Way Conversion, for an increased amount of \$13,553.00, for a revised contract amount not to exceed \$83,053.00. (Districts 7 & 8)

Revised Agenda for Tuesday, June 25, 2019

Page 4

1. [A resolution authorizing the Administrator for the Department of Transportation to apply for and, if awarded, accept a Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities Grant from the Federal Transit Administration, with the City's contribution not to exceed \\$74,400.00, for an amount not to exceed \\$372,000.00.](#)

VIII. Purchases.

IX. Other Business.

X. Committee Reports.

XI. Recognition of Persons Wishing to Address the Council on Non-Agenda Matters.

XII. Adjournment.

TUESDAY, JULY 2, 2019
CITY COUNCIL AGENDA
6:00 PM

1. Call to Order.
2. Pledge of Allegiance/Invocation (Councilman Gilbert).
3. Minute Approval.
4. Special Presentation.
5. **Ordinances - Final Reading:**

PLANNING

- a. [An ordinance to amend Chattanooga City Code, Part II, Chapter 11, Article XX, Short Term Vacation Rental Certificate, Section 11-510, by amending the definition of “Short Term Vacation Rental District” to adopt a new Short Term Vacation Rental Overlay District Map for property extended on Seminole to end at 3218 Pinewood Avenue. \(District 9\)](#)
6. **Ordinances – First Reading: (None)**
7. **Resolutions:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [A resolution declaring surplus of an abandoned ten \(10’\) foot sliver of property located at 1134 E. 14th Street, identified as a portion of Tax Map No. 146P-E-008, and to Quitclaim the City’s interest in the sliver to the property owner of record. \(District 8\)](#)

MAYOR’S OFFICE

- b. [A resolution to confirm the Mayor’s appointment of Otis L. Moorer to the Passenger Vehicle for Hire Board.](#)
- c. [A resolution confirming and approving the appointment of Warren E. Logan, Jr. as a member of the Electric Power Board of Chattanooga from the effective date hereof until April 15, 2024, and thereafter until a successor is appointed and qualified.](#)
- d. [A resolution confirming and approving the appointment of Marcus Shaw as a member of the Electric Power Board of Chattanooga from the effective date hereof until April 15, 2023, and thereafter until a successor is appointed and qualified.](#)

PUBLIC WORKS AND TRANSPORTATION

Public Works

- e. [A resolution authorizing the approval of Change Order No. 1 \(Final\) for Reynolds Construction, LLC relative to Contract No. W-09-011-201, Orchard Knob Pump Station Improvements, for an increased amount of \\$189,193.99, to release the contingency amount of \\$140,806.01, for a revised contract amount of \\$3,508,193.99. \(District 8\)](#)

PURCHASING

- f. [A resolution authorizing the City Purchasing Director to enter into an agreement with Omnia Partners cooperative purchasing organization, formed by merging the formally separate cooperatives \(1\) The Cooperative Purchasing Network \(TCPN\); \(2\) National Intergovernmental Purchasing Alliance \(National IPA\); and \(3\) U.S. Communities.](#)
- 8. Purchases.
 - 9. Other Business.
 - 10. Committee Reports.
 - 11. Recognition of Persons Wishing to Address the Council on Non-Agenda Matters.
 - 12. Adjournment.

Emergency Purchases 06-25-19

DEPARTMENT REQUISITION NO.	ITEM DESCRIPTION	BIDS REQUESTED	BIDS RETURNED	LOWEST/BEST BIDDER	COST	FUND NAME	NOTES
R186365 Transportation Department	Emergency Purchase - Slope Failure Stabilization - Transportation Department	-	-	Rembco Geotechnical Contractors, Inc. P.O. Box 23009 Knoxville, TN 37933	Total Purchase \$2,500,000.00	General Fund	Emergency Purchase - Slope Failure Stabilization - Transportation Department. This is an emergency purchase for the purpose of stabilizing and repairing the slope failures that have occurred on Elder Mountain Road.



City of Chattanooga

Mayor Andy Berke

June 19, 2019

Blythe Bailey
Administrator
Department of Transportation
1250 Market Street
Chattanooga, TN 37402

**Subject: 186365 – Emergency Purchase – Slope Failure Stabilization –
Transportation Department**

Dear Mr. Bailey:

The Transportation Department has established that it was necessary to initiate this emergency purchase for the purpose of stabilizing and repairing the slope failures that have occurred on Elder Mountain Road. The purchase order was issued to Rembco Geotechnical Contractors in the amount of \$2,500,000.00. We have attached an emergency requisition and justification letter from the department describing the circumstances of this emergency.

In my opinion, this emergency purchase repair was justified and the City's best interest was served by the decision.

Respectfully yours,

Bonnie Woodward,
Director of Purchasing

Emergency purchase approved
and should be entered in the
minutes of the City Council as
stipulated by Ordinance 5608,
Section 3.

Blythe Bailey, Administrator
Transportation Department

BW/dt

Attachments

Navigator

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10K Validation Approval : Purchase Requisition 186365 for Williams, Lisa (2,500,000.00 USD)- NIGP Code: 912-16-40

[Back](#) Step 9 of 9

[Approve](#) [Reject](#) [Reassign](#) [More Information Request](#)

From	Williams, Lisa	Description	Emergency PO_T-19-005-002 Slope Failures_ElderMtnRd_Stabilization and repair of failing slopes on Elder Mountain_Rembco
To	10K Excess Notification	Requisition Total	2,500,000.00 USD
Sent	13-Jun-2019 13:17:06	Estimated Tax	0.00 USD
Due	20-Jun-2019 13:17:06	Attachments	
ID	2220344		

This Requisition will cause the total purchase of this commodity to exceed \$10,000 for the previous 12 months.

NOTE: If you want the Requestor to enter a requisition for a Blanket Agreement for this commodity, reject this requisition.

APPROVAL of this requisition will forward it to the next approver without a Blanket Agreement.

REJECTION of this requisition will return it to the requestor with a notification to create a requisition for a Blanket Agreement.

Approval Sequence



Num	Name	Action	Action Date	Note
1	Williams, Lisa W	Submitted	13-Jun-2019 13:17:05	

Related Applications

[Open Document](#)

Response

Note

[Return to Worklist](#) [Back](#) Step 9 of 9

[Approve](#) [Reject](#) [Reassign](#) [More Information Request](#)

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City of Chattanooga
Mayor Andy Berke

May 17, 2019

Bonnie Woodward, Administrator
Purchasing Division
101 East 11th Street
Chattanooga, TN 37402

Re: Emergency Purchase of Soil Nailing Services for Elder Mountain Slope Failure Stabilization

Dear Ms. Woodward,

The City of Chattanooga Department of Transportation (CDOT) would like to enter into an emergency agreement with Rembco Geotechnical Contractors, Inc. for the purpose of stabilizing and repairing the slope failures that have occurred on Elder Mountain Road. The original slope failure has affected both lanes of the two-lane road that serves the neighborhood at the top of the mountain. A temporary lane has been constructed which currently allows vehicles to pass through the failure area one vehicle at a time. Additional slope failures along the edge of the roadway have the potential to affect remaining sections of the road, posing a potential public safety hazard, and require immediate repair.

CDOT received word and visited the site of the initial slope failure on Elder Mountain Road on February 25, 2019, and initially solicited cost estimates for soil nailing operations from Rembco Geotechnical Contractors, Inc. and GSI, Inc. (both soil nailing contractors) on March 8, 2019. After a subsequent visit to the site, additional failure areas were located and both contractors were requested to provide revised proposals reflecting the additional failure areas on April 10, 2019. As of May 17, 2019, Rembco is the only responding contractor to the request for a revised estimate.

While the original slope failure date is more than 30 days past, Elder Mountain Road is the only roadway on and off of Elder Mountain and is an essential life safety route for emergency services. Additionally, the compromised slopes present a potential public safety hazard. Due to the nature of the single access roadway and the length of time required to pursue a Request for Proposal through standard purchasing procedures, CDOT needs to immediately establish a contract with Rembco to begin slope stabilization repairs.

~~Attached is a copy of the proposal from Rembco reflecting the revisions requested on April 10, 2019.~~

Additional documentation is available for review if necessary.

Sincerely,

A handwritten signature in black ink, appearing to read "Blythe Bailey". The signature is fluid and cursive, with a prominent initial "B".

Blythe Bailey, Administrator
Chattanooga Department of Transportation



Katie Snyder <ksnyder@chattanooga.gov>

Elder Mountain Slope Repairs

Mike Bivens <mike.bivens@rembco.com>
To: Katie Snyder <ksnyder@chattanooga.gov>
Cc: Nick Bachand <nick.bachand@rembco.com>

Sat, May 4, 2019 at 10:21 PM

Katie,

I've attached a draft budget estimate to add on the upper 2 areas. As you can see on the screenshot below, the areas appear to extend off to the east of the Topo information we had previously. Can you dig up some topo for the section just to the east of the area you sent over previously? (see autoCAD screenshot below and this should make sense). Back in early March, Mark Heinzer sent me a google drive link with the topo information in DWG format, and I hope it is easy to extend that linework to the east to pick up the entire upper work area.

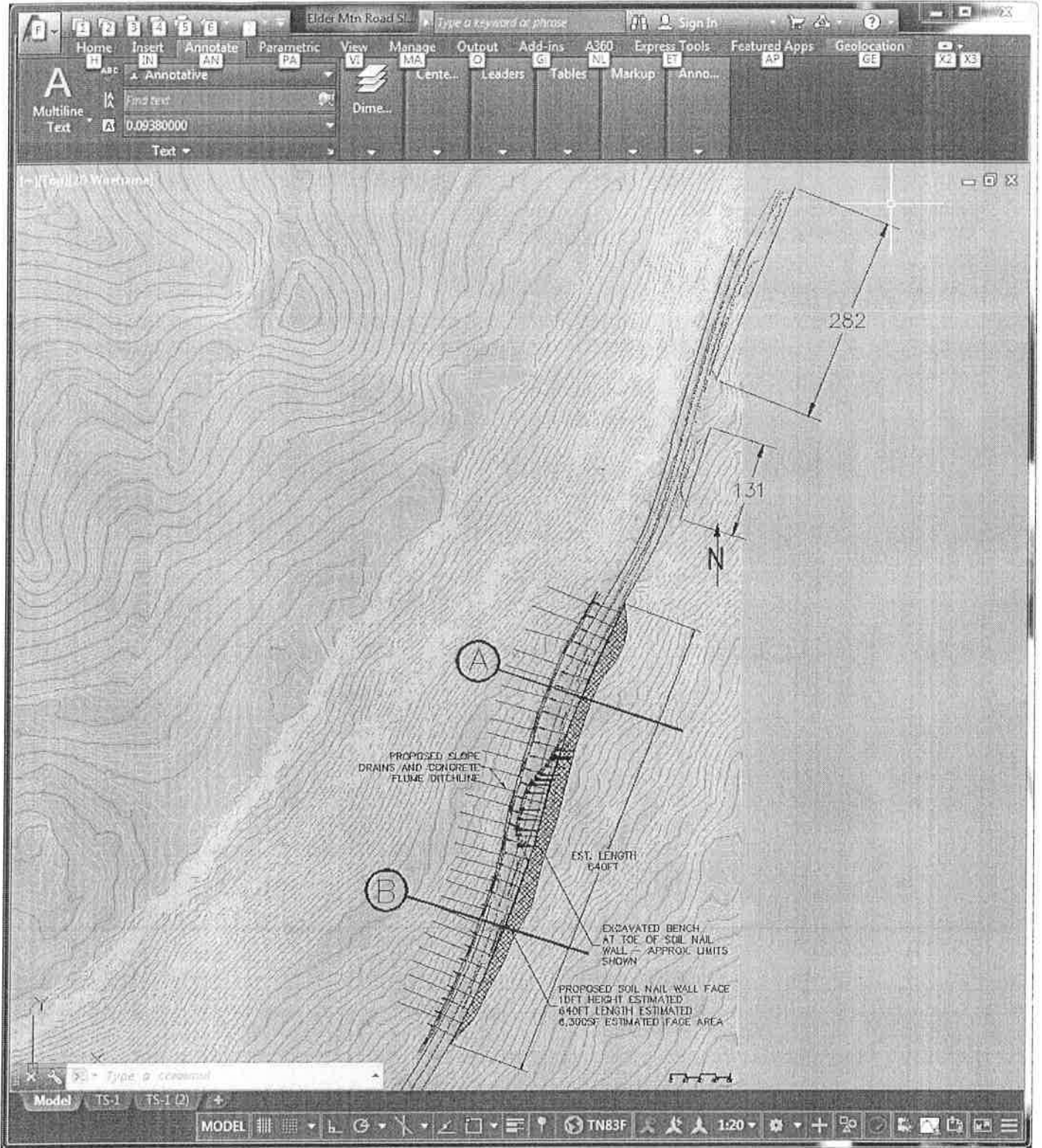
The attached budget estimate is based on "scaling" up the budget I sent over back in March for the lower section. As you can see, the upper sections increase the total length of the work area by about 410ft, but without the topo, it's difficult to tell where to stop the eastern end of the work. For now, I've chosen to add in a conservative "extension" length of 500ft, expecting to need a bit longer work area than what is dimensioned below. We can revise this once we get the rest of the topo information.

I'm tied up in an eMBA residency this week with access to email and phone only in the evenings or during a break. When I return to the office on the week of 5/13, I'll have some time to get deeper into this estimate if you are able to find us some eastern topo linework this week to extend the map east.

Once we get the topo information and some geotechnical data.....it will be easier to forecast the nail lengths. There is over \$1M of nail length budget in the estimate. As the largest line item, the overall budget can change quite a bit based on nail lengths. We need borings and the topo information to design the walls and figure out the nail lengths in order to wrap up a good budget estimate. Until we tie down those loose ends, please understand that these estimates are only as good as we can guess the end condition including wall heights and nail lengths. Notice also that I've broken out the earthwork on a daily rate with 25days included in the budget.

Let me know what you think once you've had some time to look at this....and send over the eastern topo information if you can gather up something there so I can run the "conceptual" design off to the new areas (then I'll update the 3-10-19 concept drawing PDF to include those eastern areas).

For convenience in comparison, I attached the 3/10 budget for only the lower area along with the 5/4/19 budget information.



Sincerely yours,

Mike Bivens, P.E.,

Chief Engineer

Rembco Geotechnical Contractors, Inc.

PO Box 23009

Knoxville, TN 37933

5/17/2019

City of Chattanooga Mail - Elder Mountain Slope Repairs

865-671-2925 office

865-363-4708 cell

Mike.Bivens@Rembco.com

From: Kalie Snyder <ksnyder@chattanooga.gov>
Sent: Monday, April 29, 2019 3:59 PM
To: Mike Bivens <mike.bivens@rembco.com>
Subject: Re: Elder Mountain Slope Repairs

Mike,

[Quoted text hidden]

[Quoted text hidden]

3 attachments

 **EST. QUANTITIES AND PRICING - 5-4-19.pdf**
92K

 **Elder Mtn Road Slope Failure - Preliminary Repair Concept Drawing - 3-10-19.pdf**
1535K

 **EST. QUANTITIES AND PRICING - 3-10-19.pdf**
91K



ELDER MOUNTAIN ROAD SLIDE REPAIR - BUDGET ESTIMATE - 5/4/2019
 ESTIMATED QUANTITIES FOR PROPOSAL - TO BE CONFIRMED FROM FINAL DESIGN
 QUANTITIES MAY VARY FROM THIS ESTIMATE - PREPARE REVISED PRICING AFTER DESIGN IS APPROVED

ITEM #	DESCRIPTION	QUANTITY	UNITS	EST. UNIT PRICE	EST. TOTAL
1	GEOTECHNICAL INVESTIGATION	1	EA	\$	14,375
2	DESIGN ENGINEERING AND SUBMITTAL PREPARATION	1	EA	\$	20,000
3	RESPONSE TO REVIEW COMMENTS AND RESUBMIT - HOURLY	55	HR	150 \$	8,250
4	SWPPP PREPARATION AND SUBMITTAL	1	EA	\$	9,500
5	MOBILIZATION	1	EA	\$	75,000
6A	EROSION CONTROL - UP TO 1,000LF ESTIMATED	1	EA		
6B	EXCAVATION AND WASTING SOIL OFF SITE UP TO 3,000CY	1	EA		
6C	80,000# EXCAVATOR, 2 DUMP TRUCKS, 1 D5 DOZER	1	EA		
6D	UP TO 25 DAYS WORK ON SITE FOR EXCAVATION CREW	1	EA		
6E	EXCAVATION CREW OF 4 PERSONS PLUS SITE LAYOUT CREW	1	EA		
6F	EXCAVATING CREW AND EQUIPMENT AND WASTE HAUL OFF	25	days	14,145 \$	353,625
7	ASPHALT REPAIR	3,866	SY	29 \$	111,634.45
8	GUARDRAIL REPLACEMENT USING 6FT POSTS	1200	LF	40 \$	48,000
9	SOIL NAILS INSTALLED	24570	LF	42 \$	1,031,940
10	SHOTCRETE FACING	11300	SF	49 \$	553,700
11	CONCRETE LINED FLUME DITCH 4" THICK X 48" WIDE	1200	LF	44 \$	52,800
12	SLOPE DRAINS INSTALLED EST. 60FT LENGTH AND 20FT C-C	3420	LF	40 \$	136,800
13	TOPSOIL, SEED, AND STRAW	1	EA	\$	15,630
14	EROSION CONTROL BLANKETS INSTALLED	165	SY	15 \$	2,468
15	DEMOBILIZATION	1	EA	\$	20,000

Included in 6F

Estimated Total ----->> \$ **2,064,467**
 % OF THE 3/10/19 BUDGET-----> 134%

ELDER MOUNTAIN ROAD SLIDE REPAIR - BUDGET ESTIMATE - 3/10/2019

ESTIMATED QUANTITIES FOR PROPOSAL - TO BE CONFIRMED FROM FINAL DESIGN

QUANTITIES MAY VARY FROM THIS ESTIMATE - PREPARE REVSIED PRICING AFTER DESIGN IS APPROVED



ITEM #	DESCRIPTION	QUANTITY	UNITS	EST. UNIT PRICE	EST. TOTAL
1	GEOTECHNICAL INVESTIGATION	1	EA	\$	15,000
2	DESIGN ENGINEERING AND SUBMITTAL PREPARATION	1	EA	\$	15,000
3	RESPONSE TO REVIEW COMMENTS AND RESUBMIT - HOURLY	50	HR	\$ 150	\$ 7,500
4	SWPPP PREPARATION AND SUBMITTAL	1	EA	\$	9,500
5	MOBILIZATION	1	EA	\$	75,000
6A	EROSION CONTROL - UP TO 700LF ESTIMATED	1	EA		
6B	EXCAVATION AND WASTING SOIL OFF SITE UP TO 2,000CY	1	EA		
6C	80,000# EXCAVATOR, 2 DUMP TRUCKS, 1 D5 DOZER	1	EA	\$	369,000
6D	UP TO 15 DAYS WORK ON SITE FOR EXCAVATION CREW	1	EA		
6E	EXCAVATION CREW OF 4 PERSONS PLUS SITE LAYOUT CREW	1	EA		
7	ASPHALT REPAIR UP TO 2,350SY	1	EA	\$	88,500
8	GUARDRAIL REPLACEMENT USING 6FT POSTS	700	LF	\$ 40	\$ 28,000
9	SOIL NAILS INSTALLED	13700	LF	\$ 43	\$ 589,100
10	SHOTCRETE FACING	6300	SF	\$ 52	\$ 327,600
11	CONCRETE LINED FLUME DITCH 4" THICK X 48" WIDE	700	LF	\$ 44	\$ 30,800
12	SLOPE DRAINS INSTALLED EST. 60FT LENGTH AND 20FT C-C	1920	LF	\$ 40	\$ 76,800
13	TOPSOIL, SEED, AND STRAW	1	EA	\$	9,500
14	EROSION CONTROL BLANKETS INSTALLED	100	SY	\$ 15	\$ 1,500
15	DEMOBILIZATION	1	EA	\$	20,000

Estimated Total ---->> \$ 1,544,800

Elder Mountain Road

Slide Emergency Repair Proposal

Chattanooga, TN

Soil Nailing with Shotcrete Facing

March 10, 2019

Notes For The Construction Of The Work

- GENERAL NOTES:**
 - 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF WORK.
 - 2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
 - 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF WORK.
 - 4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
 - 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF WORK.
 - 6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
- SOIL NAILING:**
 - 1. SOIL NAILS SHALL BE INSTALLED AT THE SPACING AND DEPTH INDICATED ON THE DRAWINGS.
 - 2. SOIL NAILS SHALL BE INSTALLED IN THE ORDER SHOWN ON THE DRAWINGS.
 - 3. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.
 - 4. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.
 - 5. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.
 - 6. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.
- SHOTCRETE:**
 - 1. SHOTCRETE SHALL BE APPLIED TO THE FACE OF THE SOIL NAIL WALL.
 - 2. SHOTCRETE SHALL BE APPLIED TO THE FACE OF THE SOIL NAIL WALL.
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 - 6. SHOTCRETE SHALL BE APPLIED TO THE FACE OF THE SOIL NAIL WALL.



Rembco
Engineering & Construction, Inc.



SOIL NAILING WITH SHOTCRETE
CHATTANOOGA, TN

Revisions

NO.	DESCRIPTION

S1.0

TBD

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
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SOIL NAILING:

1. SOIL NAILS SHALL BE INSTALLED AT THE SPACING AND DEPTH INDICATED ON THE DRAWINGS.
2. SOIL NAILS SHALL BE INSTALLED IN THE ORDER SHOWN ON THE DRAWINGS.
3. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.
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6. SOIL NAILS SHALL BE INSTALLED TO THE FULL DEPTH INDICATED ON THE DRAWINGS.

SHOTCRETE:

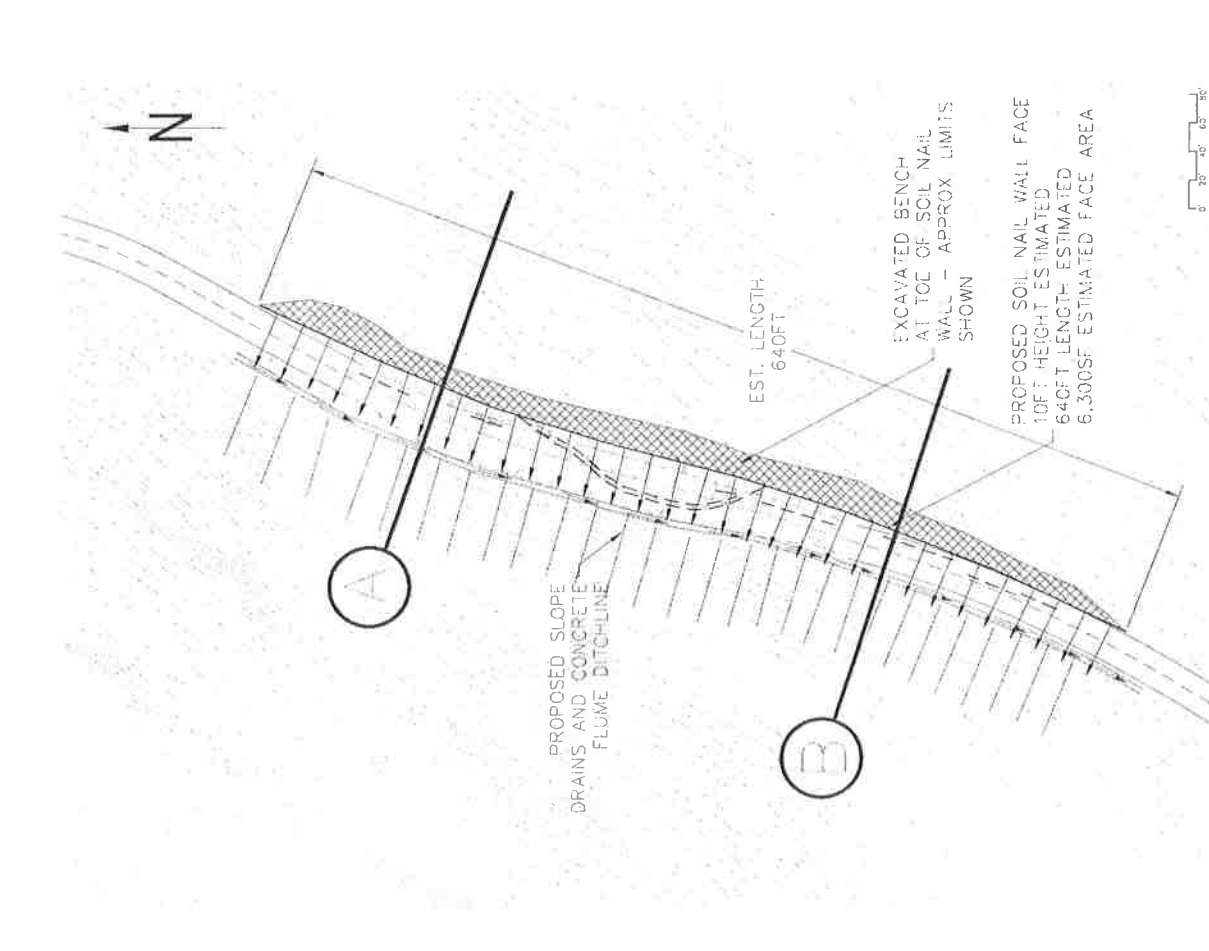
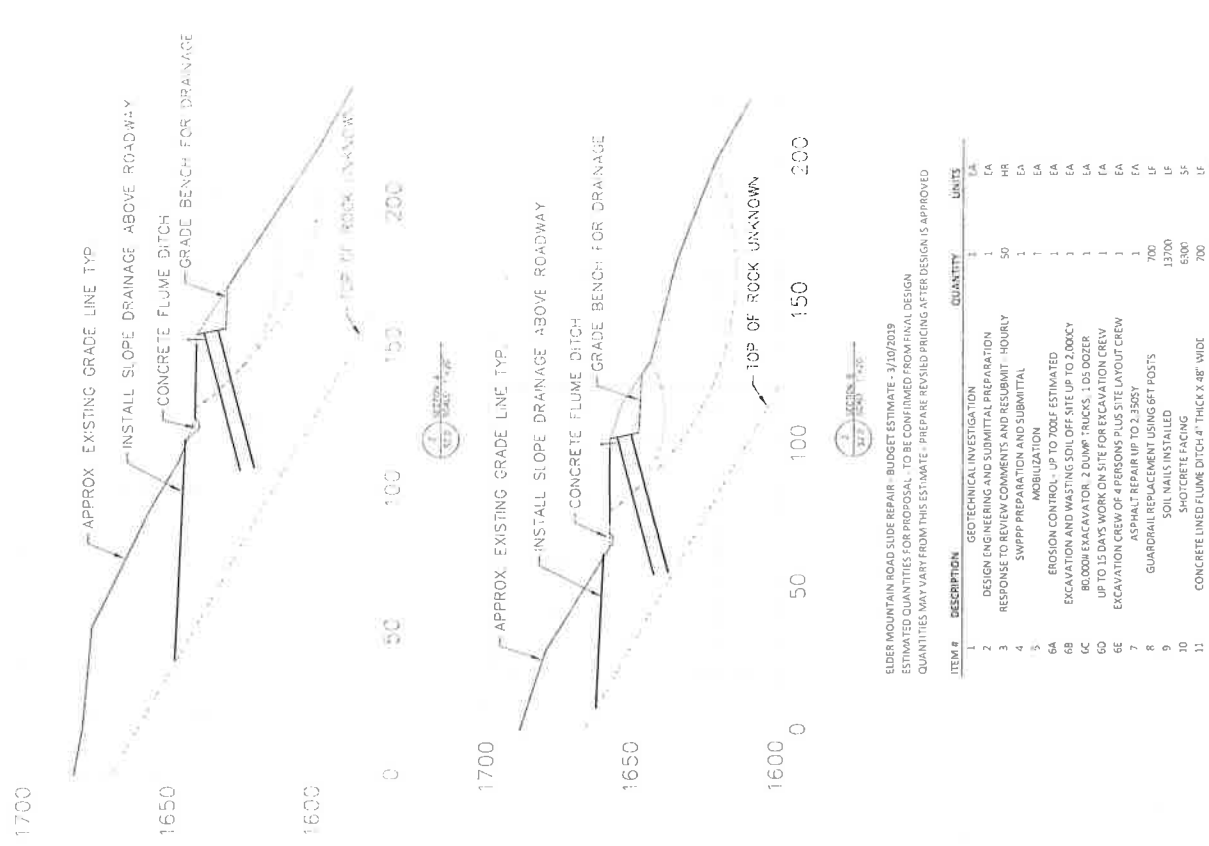
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6. SHOTCRETE SHALL BE APPLIED TO THE FACE OF THE SOIL NAIL WALL.

REVISIONS:

NO.	DESCRIPTION

S1.0

TBD



EST. LENGTH
 640FT

EXCAVATED BENCH
 AT TOE OF SOIL NAIL
 WALL - APPROX LIMITS
 SHOWN

PROPOSED SOIL NAIL WALL FACE
 10FT HEIGHT ESTIMATED
 640FT LENGTH ESTIMATED
 6,300SF ESTIMATED FACE AREA

- 1 GEOTECHNICAL INVESTIGATION
- 2 DESIGN ENGINEERING AND SUBMITTAL PREPARATION
- 3 RESPONSE TO REVIEW COMMENTS AND RESUBMITTAL - HOURLY
- 4 SWPPP PREPARATION AND SUBMITTAL
- 5 MOBILIZATION
- 6A EROSION CONTROL - UP TO 700SF ESTIMATED
- 6B EXCAVATION AND WASTING SOIL OFF SITE UP TO 2,000CY
- 6C 80,000 EXCAVATOR, 2 DUMP TRUCKS, 1 DOZER
- 6D UP TO 15 DAYS WORK ON SITE FOR EXCAVATION CREW
- 6E EXCAVATION CREW OF PERSONS PLUS SITE LAYOUT CREW
- 7 ASPHALT REPAIR UP TO 2,500SF
- 8 GUARDRAIL REPLACEMENT USING 6FT POSTS
- 9 SOIL WALLS INSTALLED
- 10 SHOTCRETE FACING
- 11 CONCRETE LINED FLUME DITCH 4" THICK X 48" WIDE
- 12 SLOPE DRAINS INSTALLED 180FT LENGTH AND 20FT C/C
- 13 TOPSOIL, SEED, AND STRAW
- 14 EROSION CONTROL BARRIERS INSTALLED
- 15 DEMOBILIZATION

ITEM #	DESCRIPTION	QUANTITY	UNITS
1	GEOTECHNICAL INVESTIGATION	1	EA
2	DESIGN ENGINEERING AND SUBMITTAL PREPARATION	1	EA
3	RESPONSE TO REVIEW COMMENTS AND RESUBMITTAL - HOURLY	50	HR
4	SWPPP PREPARATION AND SUBMITTAL	1	EA
5	MOBILIZATION	1	EA
6A	EROSION CONTROL - UP TO 700SF ESTIMATED	700	EA
6B	EXCAVATION AND WASTING SOIL OFF SITE UP TO 2,000CY	2000	EA
6C	80,000 EXCAVATOR, 2 DUMP TRUCKS, 1 DOZER	1	EA
6D	UP TO 15 DAYS WORK ON SITE FOR EXCAVATION CREW	1	EA
6E	EXCAVATION CREW OF PERSONS PLUS SITE LAYOUT CREW	1	EA
7	ASPHALT REPAIR UP TO 2,500SF	2500	EA
8	GUARDRAIL REPLACEMENT USING 6FT POSTS	700	LF
9	SOIL WALLS INSTALLED	13700	LF
10	SHOTCRETE FACING	6000	SF
11	CONCRETE LINED FLUME DITCH 4" THICK X 48" WIDE	700	LF
12	SLOPE DRAINS INSTALLED 180FT LENGTH AND 20FT C/C	180	LF
13	TOPSOIL, SEED, AND STRAW	1	EA
14	EROSION CONTROL BARRIERS INSTALLED	100	SY
15	DEMOBILIZATION	1	EA

ELDER MOUNTAIN ROAD SLIDE REPAIR - BUDGET ESTIMATE - 3/10/2019
 ESTIMATED QUANTITIES FOR PROPOSAL. TO BE CONFIRMED FROM FINAL DESIGN
 QUANTITIES MAY VARY FROM THIS ESTIMATE - PREPARE REVISED PRICING AFTER DESIGN IS APPROVED