#### RESOLUTION NO. 2014-108

AUTHORIZING A MEMORANDUM OF UNDERSTANDING WITH THE BOARD OF PARK COMMISSIONERS OF THE CLEVELAND METROPOLITAN PARK DISTRICT AND THE ROTARY CLUB OF CLEVELAND, OHIO, USA FOR A FEASIBILITY STUDY FOR THE RED LINE GREENWAY MULTI-PURPOSE PATH

WHEREAS, the Rotary Club of Cleveland, Ohio, USA ("Rotary") has maintained the GCRTA West 25<sup>th</sup> Street Rapid Station site for 37 years on a volunteer basis and, in 2009, developed the idea for a multi-purpose greenway along the GCRTA Red Line called the Red Line Greenway; and

WHEREAS, the GCRTA and Rotary have been examining and reviewing how the Red Line Greenway can become a safe, accessible, and world-class greenway; and

WHEREAS, a feasibility study is necessary to determine if the Red Line Greenway can be safely implemented while providing adequate access and space for GCRTA rail operations; and

WHEREAS, the Cleveland Metropolitan Park District ("CMP") will evaluate and provide criteria regarding the design, construction, maintenance, operations, programming and patrolling of the Red Line Greenway to assist in the Feasibility Study; and

WHEREAS, the Parties shall either share the cost to engage a firm or firms, pursue funding from other resources, or use resources available within their respective organizations to conduct the study.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Greater Cleveland Regional Transit Authority, Cuyahoga County, Ohio:

Section 1. That the General Manager/Secretary-Treasurer of the Greater Cleveland Regional Transit Authority be and is hereby authorized to enter into a Memorandum of Understanding with the Board of Park Commissioners of the Cleveland Metropolitan Park District and Rotary for a feasibility study for the Red Line Greenway multi-purpose path.

Section 2. That this resolution shall take effect immediately upon its adoption.

Adopted: October 21, 2014

CEO, General Manager/Secretary-Treasurer



# Greater Cleveland Regional Transit Authority STAFF SUMMARY AND COMMENTS

TITLE/DESCR	PTION:	Resolution No.:
CONTRACT:	MEMORANDUM OF UNDERSTANDING FOR A	2014-108
	FEASIBILITY STUDY FOR THE RED LINE GREENWAY MULTI-PURPOSE PATH	Date:
	MULTI-PURPOSE PATH	October 16, 2014
VENDOR:	BOARD OF PARK COMMISSIONERS OF THE CLEVELAND METROPOLITAN PARK DISTRICT AND THE ROTARY CLUB OF CLEVELAND	Initiator: Programming and Planning
AMOUNT:	N/A	
ACTION REQU	JEST:	and the second s
☑ Approval	☐ Review/Comment ☐ Information Only ☐ Other	

- 1.0 PURPOSE/SCOPE: This action will allow the Authority to enter into a Memorandum of Understanding ("MOU") with the Board of Park Commissioners of the Cleveland Metropolitan Park District ("CMP") and the Rotary Club of Cleveland, Ohio, USA ("Rotary") for a feasibility study for the Red Line Greenway multi-purpose path.
- 2.0 DESCRIPTION/JUSTIFICATION: The Red Line Greenway is proposed to begin at the Michael Zone Recreation Center, enter onto GCRTA property at approximately West 41<sup>st</sup> Street, continue on GCRTA property past the West 25<sup>th</sup> Street Rapid Station to the Cuyahoga Viaduct transit track bridge, and connect to other regional trails on Franklin Road. This MOU formalizes the scope of the feasibility study and also establishes the roles and responsibilities of each party. If the Greenway is found to be feasible, a separate property agreement would be brought to the Board of Trustees for approval at a future date.
  - GCRTA will be responsible for surveying within its property to aid in determining whether the Red Line Greenway path can be built adjacent to the Red Line.
- 3.0 PROCUREMENT BACKGROUND: N/A
- 4.0 DBE/AFFIRMATIVE ACTION BACKGROUND: N/A
- 5.0 POLICY IMPACT: Participating in this agreement demonstrates GCRTA's interest in promoting a network of multi-modal transportation options that complement the existing public transportation system.
- 6.0 ECONOMIC IMPACT: The parties of this agreement shall either share the cost to engage a firm or firms, pursue funding from other sources, or use resources available within their respective organizations to conduct the feasibility study.
- 7.0 ALTERNATIVES: Reject the Memorandum of Understanding. Rejection of this agreement will inhibit GCRTA from providing direct input into the design of the greenway to ensure that rail operational needs and the needs of GCRTA customers are met.

Staff Summary and Comments Memorandum of Understanding for a Feasibility Study for the Red Line Greenway Multi-Purpose Path Page 2

- 8.0 RECOMMENDATION: The staff recommends that the Memorandum of Understanding be accepted and the resolution passed. This MOU will be presented to the Planning and Development Committee on October 21, 2014 with the recommendation that it be approved for action by the full Board.
- 9.0 ATTACHMENTS: Attachment A Form of the agreement is attached.

Recommended and certified as appropriate to the availability of funds, legal form and conformance with the Procurement requirements.

CEO, General/Manager/Secretary-Treasurer

#### Attachment A

## MEMORANDUM OF UNDERSTANDING

## BY AND BETWEEN

## THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY

## AND

# THE BOARD OF PARK COMMISSIONERS OF THE CLEVELAND METROPOLITAN PARK DISTRICT

#### AND

# THE ROTARY CLUB OF CLEVELAND, OHIO, U.S.A.

#### FOR THE

#### RED LINE GREENWAY PROJECT FEASIBILITY STUDY

This Memorandum of Understanding ("MOU") is made as of this day of
, 2014 ("Effective Date"), by and between the Greater Cleveland
Regional Transit Authority ("GCRTA"), with a business address of 1240 West 6 <sup>th</sup>
Street, Cleveland, OH 44113, the Board of Park Commissioners of the Cleveland
Metropolitan Park District ("CMP"), with a business address of 4101 Fulton Parkway,
Cleveland, OH 44144, both of which are political subdivisions of the State of Ohio, and
the Rotary Club of Cleveland, Ohio, U.S.A. ("Rotary"), a nonprofit entity organized
and existing under the laws of the State of Ohio, with a business address of 1122 Prospect
Avenue, Cleveland, OH 44115, collectively "the Parties."

WHEREAS, Rotary has maintained the GCRTA West 25<sup>th</sup> Street rapid site for 37 years on a volunteer basis and in 2009, developed the idea for a multi-purpose greenway along the GCRTA Red Line transit rail line (hereinafter, "Red Line Greenway" or "RLG");

WHEREAS, GCRTA and Rotary have been examining and reviewing how the RLG can become a safe, accessible and world-class greenway;

WHEREAS, the consultant's early design work has resulted in a list of exhibits that form broad and acceptable guidelines to inform the more complete design plans for constructing the RLG (see Exhibit 1) and a Cost and Alignment Analysis (see Exhibit 2); and

WHEREAS, the Parties are interested in securing a more detailed study on the feasibility ("Feasibility Study") of the RLG along the GCRTA Red Line from the southern end of the Cuyahoga Viaduct transit track bridge (at an overlook point over Merwin Avenue) to the Michael Zone Recreation Center located at 6301 Lorain Avenue, Cleveland, OH 44102.

**NOW, THEREFORE**, in consideration of the mutual promises, covenants and obligations contained herein, the Parties agree as follows:

#### Section 1. Project Scope

The purpose of this MOU is to secure the Feasibility Study of the RLG along the GCRTA Red Line transit rail line from the southern end of the Cuyahoga Viaduct transit track bridge to the Michael Zone Recreation Center. A majority of the RLG will be on GCRTA land; however, a short section will be on Ohio Department of Transportation ("ODOT") property bordering GCRTA property along the north side of Interstate 90 from West 41st Street to West 53rd Street. The Parties shall either share the cost to engage a firm or firms, pursue funding from other sources, or use resources available within their respective organizations to conduct the study.

# Section 2. Shared versus Non-shared Trails

The Feasibility Study will endeavor to examine whether trails can be designated as shared or non-shared. The Parties acknowledge that wherever possible, GCRTA will maintain its own railroad maintenance access road ("Access Road") between the tracks and the RLG. The Access Road and the RLG will be separated by a six-foot fence. All areas where the trail will not be shared are referred to as "non-shared". Passing from shared to non-shared trails will require gates that lock. A six-foot fence will also be

required to separate areas of shared use from the transit tracks. The Parties will work together to determine the appropriate areas for both shared and non-shared areas with the understanding that GCRTA needs to maximize non-shared facilities while maintaining railroad access, greenway integrity, and adequate width for both.

### Section 3. CMP Involvement

CMP is a world-class caretaker of green space throughout Northeast Ohio. CMP will evaluate and provide criteria regarding the design, construction, maintenance, operations, programming, and patrolling of the RLG to assist in the Feasibility Study. If the RLG is determined to be reasonably feasible and, subject to CMP Board approval, CMP will engage in discussions with GCRTA to accept a conveyance of requisite property interest(s) for all GCRTA property needed to maintain and patrol the RLG, according to the terms determined by GCRTA and CMP in a separate agreement.

# Section 4. Rotary Ongoing Involvement

Rotary agrees to continue to maintain and develop the RLG site during the feasibility study, and potential design and construction phases. If the RLG is reasonably feasible, the Parties to this MOU will be involved throughout the design process, including being involved in the retention of a professional greenway designer.

#### Section 5. Funding

The Parties agree to work together to pursue the most appropriate funding options. Any funds raised by Rotary will be maintained in a separate account specifically for use in developing the RLG. Subject to approval of its Board of Trustees, if necessary, GCRTA will fund a boundary survey to define its property limits for a future land-use agreement if the RLG is feasible.

#### Section 6. Conveyance of Property Interest from GCRTA to CMP

After an agreement is reached on the overall route of the RLG and subject to approval of its Board of Trustees, if necessary, and acceptance of such conveyance by CMP Board, GCRTA will convey to CMP the requisite property interest(s) to all GCRTA property

needed to construct, maintain, and patrol the RLG, for a period to be determined by GCRTA and CMP in a separate agreement.

# Section 7. Other Parties

In furtherance of the Red Line Greenway, other entities may be consulted or utilized during this project, including but not limited to:

City of Cleveland

L.A.N.D. studio, Inc.

County of Cuyahoga

Northeast Ohio Area Coordinating Agency (NOACA)

Ohio Canal Corridor

Ohio Department of Transportation (ODOT)

# Section 8. Compliance with Laws, Rules, and Regulations

All Parties hereto, their employees and any other persons over whom they have control, shall comply with all present and future laws, regulations, and ordinances applicable to the RLG.

### Section 9. Notice

All notices or other communications required or appropriate under this MOU shall be hand-delivered, sent by U.S certified mail or delivered by a nationally recognized overnight carrier service, to:

Joseph A. Calabrese, General Manager/CEO Greater Cleveland Regional Transit Authority 1240 West 6th Street Cleveland, OH 44113

Brian Zimmerman, Chief Executive Officer Cleveland Metroparks 4101 Fulton Parkway Cleveland, OH 44144

(with a copy to)
Chief Legal & Ethics Officer
Cleveland Metroparks
4101 Fulton Parkway
Cleveland, OH 44144

Beverly Ghent-Skrzynski, Executive Director & Secretary Rotary Club of Cleveland, Ohio, U.S.A.

1122 Prospect Ave Cleveland, OH 44115

## Section 10. Termination

Any of the Parties may withdraw from this MOU upon thirty (30) days advance notice in writing to the other parties. Parties remaining after withdrawal of one of the parties shall determine whether to proceed with the RLG project.

# Section 11. Complete MOU

All negotiations, considerations, representations and understandings between the Parties are incorporated herein, and may be modified or altered only by agreement in writing, signed by all Parties to this MOU. Any such amendments shall require approvals of all Parties.

### Section 12. No Third Party Beneficiaries

Nothing contained in this MOU shall be construed so as to confer upon any other party the rights of a third-party beneficiary.

#### Section 13. Agreement Binding Upon Successors

The Parties, respectively, bind themselves, their partners, successors, assigns and legal representatives to the other parties hereto and to partners, successors, assigns and legal representatives of such other parties in respect to covenants, agreements and obligations contained in the MOU. The parties shall not assign this MOU without written consent of the others. If a party attempts to make such assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the MOU.

#### Section 14. Discrimination Prohibited

The Parties and their successors and assigns, shall not, in the use of the RLG, discriminate against any person or group of persons based upon race, religion, color, sex, sexual orientation, national origin, age disability, ethnic group or Vietnam-era or disabled veteran status, in the, occupancy or enjoyment of the RLG, and shall so bind its

successors and assigns by appropriate agreements and covenants running with the land enforceable by the Parties.

# Section 15. Exhibits

All exhibits or other attachments referenced in this MOU are hereby incorporated into this MOU by such reference and are deemed to be an integral part of this MOU.

Exhibit 1 – Conceptual Overall Alignment Documents for Red Line Greenway

Exhibit 2 – Conceptual Opinion of Probable Costs for Red Line Greenway

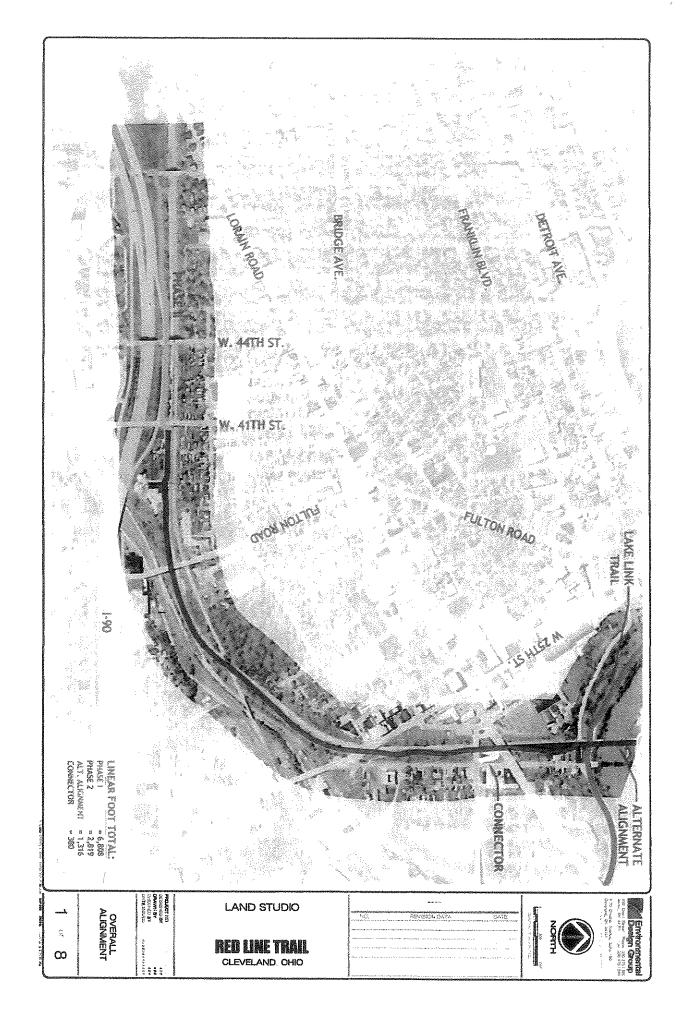
IN WITNESS WHEREOF, the Parties have executed this Memorandum of Understanding as of the date first written above.

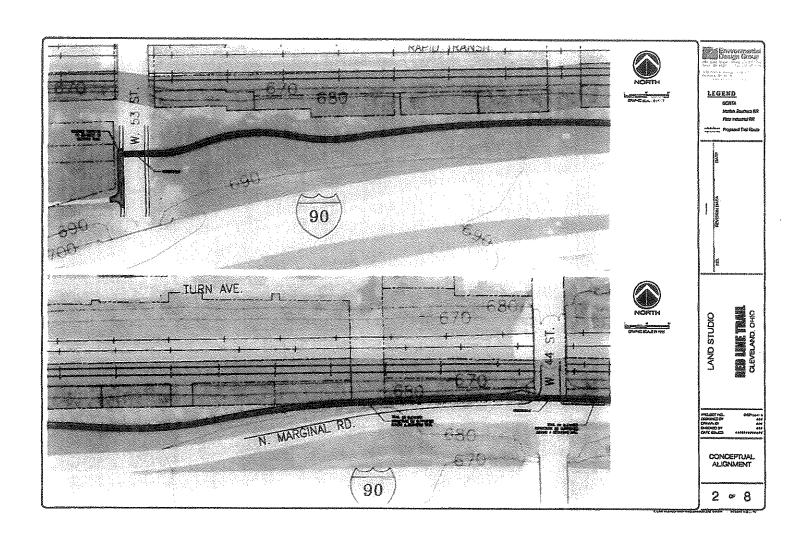
## GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY

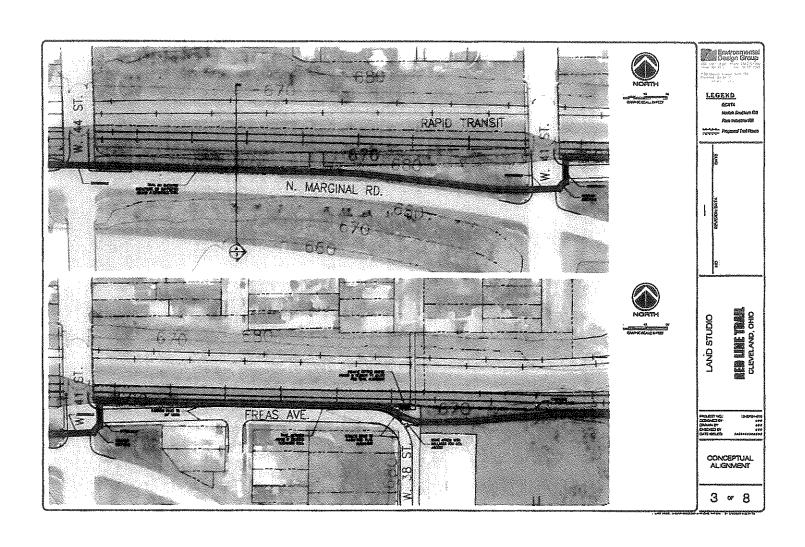
Ву:		
	Joseph A. Calabrese, General Manager/CEO	

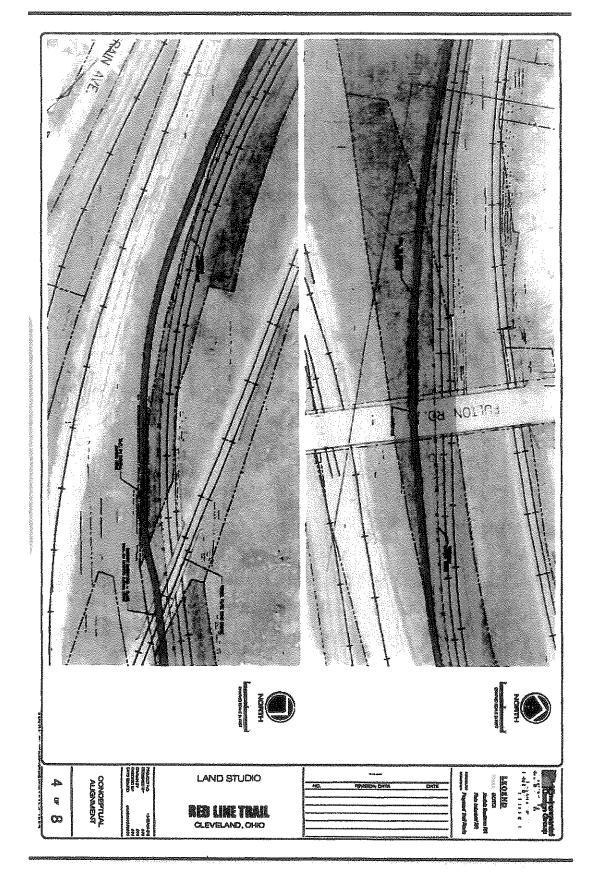
# BOARD OF PARK COMMISSIONERS OF THE CLEVELAND METROPOLITAN PARK DISTRICT

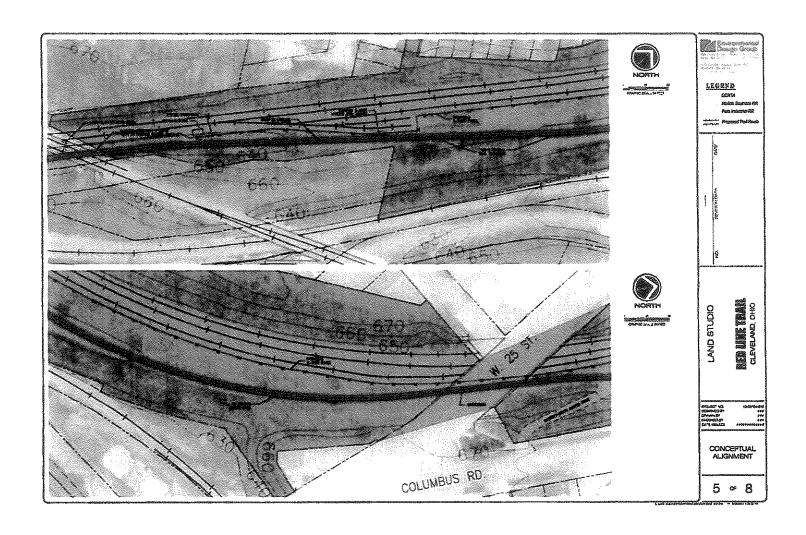
By:
Brian Zinnmerman, Chief Executive Officer
Approved as to legal form:
Rosalina M. Fini, Chief Legal & Ethics Officer
ROTARY CLUB OF CLEVELAND, OHIO, U.S.A.
By:
Beverly Ghent-Skrzynski, Executive Director & Secretary

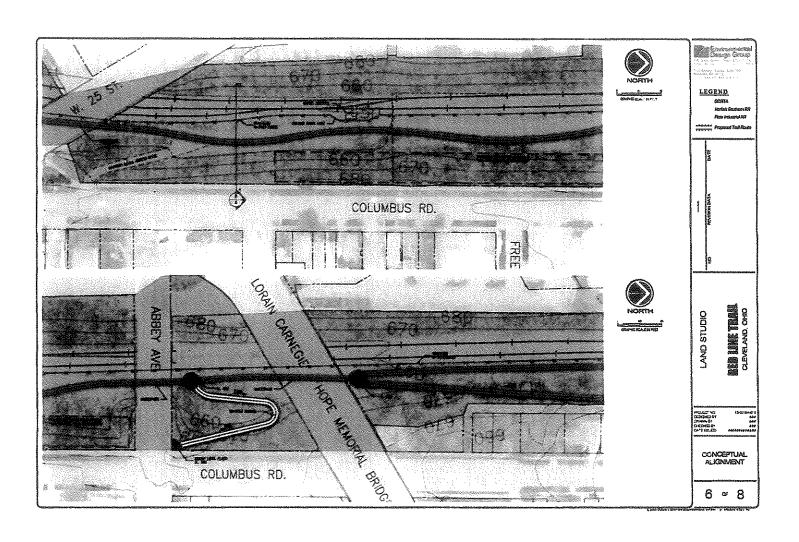




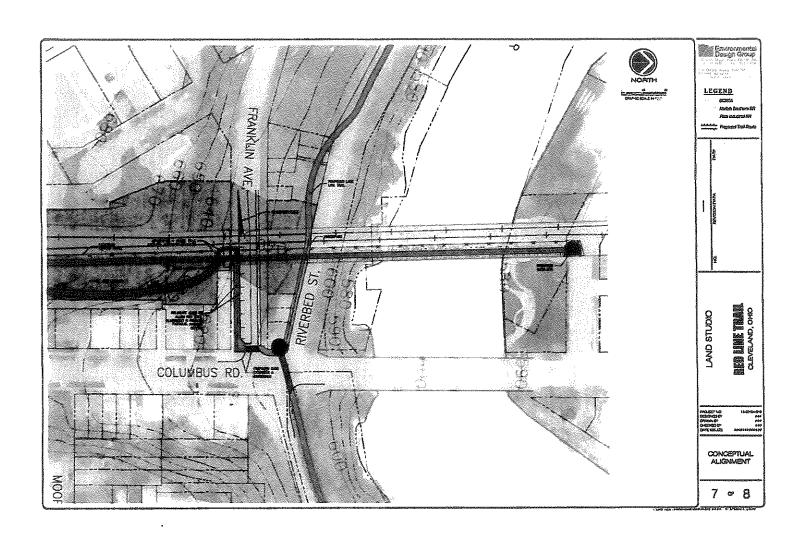


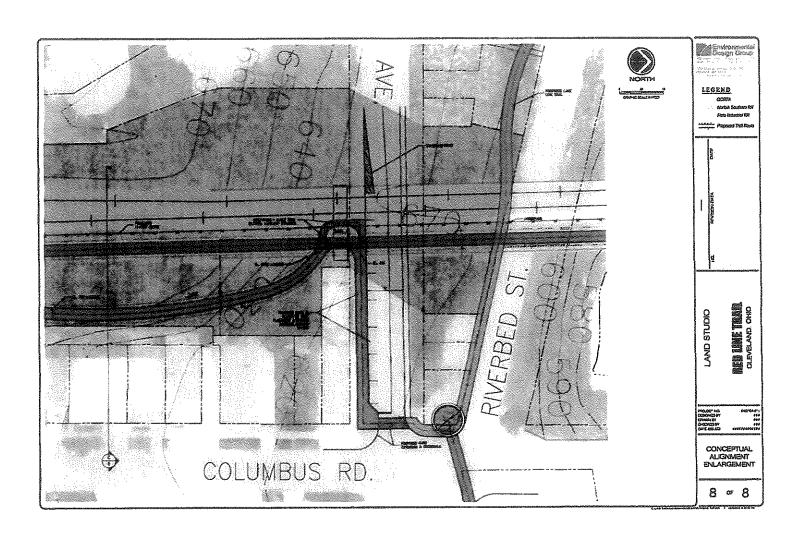






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#### CONCEPTUAL OPINION OF PROBABLE COSTS Environmental Design Group RED LINE TRAIL APRIL 19, 2013 PHASE Aggregate Trail Asphalt Trail SECTION DESCRIPTION TOTAL COST TOTAL COST Frenklin Avenue to Abby Avenue \$1,201,176.68 \$1,237,935.43 2 Abby Avenue to W. 25th Street \$398,788.19 \$441,374.16 3 W. 25th Street to Fulton Road \$970,269.77 \$1,072,828.89 Fulton Road to W. 41st Street \$606,259.50 \$658,074.54 **PHASE I TOTAL** \$3,176,494.15 \$3,410,213.02 PHASE II W. 41st Street to W. 44th Street \$730,701.49 \$742,954.40 W. 44th Street to Michael Zone Recreation Center \$893,986.85 \$938,809.21 PHASE II TOTAL \$1,624,688.33 \$1,681,763.62 ALTERNATE ALIGNMENT Lorain Camegie Hope Memorial Bridge to GCRTA Visduct stopping above Merwin Avenue \$377,309.79 \$422,919.62 ALTERNATE ALIGNMENT TOTAL \$377,309.79 \$422,919.62 **GRAND TOTAL** \$5,178,492.28 \$5,514,896.26

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	1 - Franklin Avenue to	Abbey Ave	nue		
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	erets Crosswelk Psysment Removal	- 38	8Y	\$50.00	\$
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	don Commi Messures	1	LS	\$10,000.00	
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4 Paver					\$22.00
	grade Preparation	1556	SY	\$1.50	\$2,33
	Asphalt Pavement	1157	87	\$38.00	\$44,34
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	swellk Striping Only tripe Road		LF	\$12.50	\$75
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६ तसास					
	t Pole Relocation at Utilities to Grade		EA	\$2,500.00	\$2,60
	cale Sign		1.8	\$5,000.00	\$5,000
	tric Distribution & Connections	<del>                                     </del>	EA LS	\$500.00 \$20,000.00	\$20,001
E. 25'	ight Pole with LED Fixture & Base (100" O.C.)	10	EA	\$4,200.00	\$42,000
F. Sec	ice LED Fixtures for Under Bridge (4 per bridge)	12	EA	\$850.00	\$10,200
3016	erground Etectric Conduit & Wire	1000	LF	\$35.00	\$35,000
	rankie:				\$114,700
A. Bol		2	EA	\$800,00	\$1,600
	ovable Bollants der Retaining Well (Green Wall)	1	EA	\$1,200.00	\$1,200
	Signage	850 1180	FF LF	\$42.5D	\$36,125
E. 6' B	ack Vinyl Chain Link Security Fence w/ Barbed Wire	900	LF LF	\$1.50 \$60.00	\$1,770 \$54,000
F. 6 B	sck Vinyi Chain Link Security Getes (Double Swing)	1	EA	\$5,000.00	\$5,000
G. Bar	th (500° C.C.) h Receptacle (500° C.C.)	3	EA	\$2,500.00	\$7,500
Subjet		3	EA	\$1,500.00	\$4,500
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A. Trai	side Seading and Fine Grading	700	SY	\$1.20	\$840
B.See	ling and Fine Grading	4000	87	\$1.20	\$4,800
C.Sb	e Stabilization #2 Cont. Shrubs (5° O.C.) e Stabilization Trees (1° Cel., 30° O.C.)	1520	EA	\$25.00	\$38,000
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	ur A.S. Mark				\$4,000
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	. Trail Signage	1210	LF	\$1.50	\$1,624
	. 6' Black Viryl Chain Link Security Fance of Barbed Wira 6' Black Viryl Chain Link Security Gates (Double Swing)	1200	LF.	\$60.00 \$5,000.00	\$72,000
	Bench (500° O.C.)	3	EA	\$2,500.00	\$5,000 \$7,500
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	Design & Documents (15%)				\$53,177
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iii. Erosion Cuntrol Measures	-4495055	LS	\$10,000.00	\$10,00
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A Subgrade Preparation B 10 Asphali Persenant	4658	SY	\$1.50	\$6,83
C. Geograd	3256 4558	SY SY	\$38.00 \$8.00	\$123,72 \$27,34
D. Concrete Sidewalk Replacement	4006	SF	00.82	\$27,36
E. Concrete Curb	Salti Hillian (Carlo VI	LF	\$20.00	\$
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At Grade Crossings & Road Maridings				WAY 10 CO 10
A. 10' Curb Rampe w/ Trunc. Domes		EA	\$2,200.00	\$
Suprioral (UtiliNes				5
A Power Pole Relocation				.: ·
B. BioSwale Precast Concrete Weir (25' O.C.)		EA EA	\$5,000.00	<u> </u>
C. SioSwels 4" HDPE Underdrain	-	LF	\$2,000.00 \$5,00	<u> </u>
D Electric Distribution & Connections		LS	\$20,000,00	\$20,00
E. 25 Light Pole with LED Fixture & Bass (100' O.C.)	29	EA	\$4,200.00	\$121,80
F. Sconce LED Fixtures for Under Bridge (4 per bridge)	4	EA	\$850.00	\$3,40
G. Underground Electric Conduit & Wire	2930	LF	\$35,00	\$102,55
Subjetal				\$247,75
Site Amenities				
A. Ballands B. Removable Bollands		EA.	\$800.00	<u> </u>
C. Traff Signage	2930	EA LF	\$1,200.00 \$1,50	\$4,30
D. 6 Black Vinyi Chain Link Security Fence w/ Barbed Wire	2945	LF LF	\$80.00	\$178,70
E. & Black Vinyt Chain Link Security Gates (Double Swing)	2	EA	\$5,000,00	\$10,00
F. Bench (500' O.C.)	5	EA	\$2,500.00	\$15,00
G. Tresh Receptacia (500' O.C.)	artestas er 🔞	EA	\$1,500.00	\$9,00
Subtotat				\$216.09
Landscape				
A. Trailelde Seeding and Fine Grading	2000	\$Y	\$1.20	\$2,40
B. Lawn Seeding and Fins Grading C. Trees (3" Cal., 1 per S0LF)	20000	SY EA	\$1.20 \$450,00	\$24,00 \$22,50
Subjects	30		3430.00	\$22,50 \$46,00
Construction Survey & Layout		and the second	200	S. 1751
A. Sisvey & Layous	1	LS	\$5,000.00	\$5,00
8. Traffic Control & Meintenance	22 an earl	LS	\$3,000.00	\$
Subtrast TOTAL		eron maralle landor	Complete Section Comments of the Comments of t	55.60
	<u> </u>			\$749,31
A Costingency (15%)			ļ	\$112,30
B. General Conditions (5%) C. Bonda & Insurances (5%)	<del> </del>		<del></del>	\$43,08 \$25,85
D. Mobilization/Demobilization (1.5%)	<del> </del>		<del> </del>	\$20,80
E. Design & Documents (15%)			<del>                                     </del>	\$120,25
GRAND TOTAL with Asphalt Trail				1 072 82
Replace Asphalt Trail Pavement with Aggregate B 10' Asphalt Pavement	3256	SY	-\$38.00	-\$123,72
C. 10 Aggregate Pavement	3256	SY	\$16.00	\$52,00
Subtratar			910,00	257,140
TOTAL				SETT EU
A. Contingency (15%)	The state of the s	egymeyeri caracieri.	T. Continues of	\$101,65
B General Conditions (5%)				\$38,98
C Bonds & Insurances (3%)				\$23,37
D. Mobilization/Demobilization (1.5%)				\$11,59
E. Design & Documents (15%)	1	I	i T	\$118,69
GRAND TOTAL with Aggregate Trail	March College		Company of the Compan	\$970,265

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CONCEPTUAL DRIVEON OF FR APRIL 10, 2011		1516		vironi i n vign Gro:
				5.00 p.c.
4 - Fullon Road to W.	41st Stree	ı		
M DESCRIPTION	CUANTITY	DDD T	UNIT COST	TOTALCE
Site Preparation/Demosition				
A. Cleaning and Grubbing  B. Construction Fencing	1.20	AC	\$4,000.00	\$4,60
C. Asphali & Concrete Pavement Removal	500 503	LF SY	\$3.50 \$9.00	\$2,10 \$4,52
D. Concrete Stair Removal	1551 <b>1</b>	LS	\$5,000.00	\$5,00
E. Concrete Curb Removal	287	LF	\$10,00	\$2,87
F. Saw Cut Pavement Subjects	= /= <b>290</b>	ᄕ	\$5.00	\$1,45
Earthwork				520,73
A. Excevetion/Embankment	2100	CY	\$10,00	\$21,00
5 (Liteta)				\$21.00
Eroskon Control  A SR Feros		Ļ <u></u>		
B. Erosion Control Messures	1505	L LE	\$3,50 \$10,000.00	\$5,26 \$10,00
Eublich Berger B. W. Const.			\$10,000,001	\$ 10,00
Pavement				
A. Subgrade Prepension	2303	SY	\$1.50	\$3,48
B. 10' Asphalt Pavement C. Geogrid	1845	SY	\$38,00	\$62,51
D. Road Asphalt Pavement	2303 350	SY	\$6.00	\$13,81 \$22,75
E. Pedeskien Bridge Steir Replacement	330	LS	\$20,000.00	\$22,75 \$20,60
F. 5' Concrete Skiewalk Replacement	560	SF	\$8.00	\$4,48
G. Concrete Apron Replacement	300	\$F	\$10,00	\$3,00
Subtrater				\$130,01
At Grade Crossings & Road Markings A. Crosswalk Striping Only	50	LF		***
B. Restipe Road		LF	\$12.50 \$5.00	\$62 \$4
C. 10' Curb Remps w/ Trunc. Domes	41000000 <b>2</b>	EA	\$2,200,00	\$4,40
Subtinai				\$7.07
Utilities	,			
A. Power Pole Retocation  B. Adket Utilities to Grade	- 5	EA	\$5,000,00	\$25,60
C Electric Distribution & Connections	1	LS	\$5,000.00 \$10,000.00	\$5,00 \$10,00
D. 25' Light Pole with LED Fixture & Base (100' O.C.)	15	EA	\$4,200.00	\$63,00
E. Sconce LED Fotures for Under Bridge (4 per bridge)		EA	\$850.00	\$
F. Underground Electric Conduit & Wire	1480	LF	\$35.00	\$51,80
Subject Sits Amenities				\$159,10
A Bollanda	5	EA	\$800.00	\$4,50
8. Removable Bollards	4	EA	\$1,200.00	\$4,80
C. Trail Signaga	1506	L#	\$1.50	\$2,25
D. 6' Black Vinyl Chain Link Security Fence w/ Barbed Wike E. Bench (500' O.C.)	871	LF	\$60.00	\$52,26
F. Trash Recepteds (500 O.C.)	3	EA EA	\$2,500.00	\$7,50
Subtotal		EA	\$1,500.00	\$4,50 37,035
Landscape	and the same of th			
A. Traitside Seeding and Fine Grading	1200	SY	\$1.20	\$1,44
B. Lawn Seeding and Fine Grading	5600	SY	\$1.20	\$6,72
C. Tress (3° Cal., 1 per 50LF)	30	EA	\$450.00	\$13,50
Construction Survey & Leyout	e a constitue de la constitue d			521,66
A Survey & Layout	1	LS	\$10,000,00	\$10,00
8. Traffic Control & Maintenance	Japan Seriti Papin	LS	\$5,000,00	\$5,00
Subjetal				51011
TOTAL  A. Contingency (15%)	Parameter and the same		Mismosomobooka (Agestonia)	5459,62
B. General Conditions (5%)		2010/06/20 95/20	Bearing thought a	\$88,94
C Bords & Insurances (3%)	<b>†</b>			\$28,42 \$15,85
D. Mobilization/Demobilization (1.5%)				\$7,92
E. Design & Documents (15%)		C2623 dominante consciona		\$70,28
GRAND TOTAL with Asphalt Trail			era o la escripción de la compa	\$655,074
Desires Asshably to the	5 739	:-		
Replace Asphalt Trail Pavement with Aggregate  8. 10 Asphalt Pavement	1845		520 00	P
C. 10 Appropria Pavement	1645	SY SY	-\$38.00 \$16.00	-\$52,51 \$26,32
Sub(cta)			e (0.00)	\$10.10
TOTAL				\$473.43
A. Contingency (15%)	125 750%	Market 1		\$63,51
B General Conditions (5%) C Bonds & Insurances (3%)	<b></b>			\$24,34
O. Mobilization/Demobilization (1.5%)	<del> </del>			\$14,60 \$7,30
				نادر ءه
E. Design & Documents (15%)	<del>  </del>			\$73,043

#### RED LINE TRAIL CONCEPTUAL OPINION OF PROBABLE COSTS Environmental Design Group APRIL 19, 2013 5 - W. 41st Street to W. 44th Street ITEM DESCRIPTION QUANTITY UNIT UNIT COST TOTAL COST Site Preparation/Demolition A. Clearing and Grubbing \$4,000.00 \$4,000.00 B. Construction Fencing 804 LF \$3.50 \$2,814.00 C. Asphalt & Concrete Pavement Removal 60 SY \$5,00 \$540.00 Subtotat \$7,357,00 Earthwork A. Excavation/Embankment 525 CY \$10.00 \$5,250.00 55.250.00 Erosion Control A. Siit Fence 804 LF \$3.50 \$2,814.00 B. Erosion Control Measures \$5,000.00 21 LS \$5,000.00 Subtotal \$7,814.00 Pavement A. Subgrade Preparation 545 SY \$817.50 \$1.50 B. 10" Asphall Pavement 389 SY \$38.00 \$14,782.00 C. Geogrid 545 SY \$6.00 \$3,270.00 D. Widened Concrete Sidewalk 560 SF \$8.00 \$4,480.00 E. Concrete Apron Replacement 300 \$10.00 \$3,000.00 Subtotal \$26,349.50 At Grade Crossings & Road Markings A. Crosswalk Striping Only 84 \$12.50 \$1,050.00 B. 10' Curb Ramps w/ Trunc. Domes EA \$2,200.00 \$6,600.00 Subtolat \$7,650.00 A. Adjust Utilities to Grade LS \$5,000.00 \$5,000.00 B. Electric Distribution & Connections LS \$10,000.00 \$10,000.00 . 25' Light Pole with LED Fixture & Base (100' O.C.) EΑ \$4,200.00 \$33,600.00 D. Sconce LED Fixtures for Under Bridge (4 per bridge) EΑ \$850.00 \$0.00 E. Underground Electric Conduit & Wire \$28,140.00 804 \LF \$35.00 Subtotat \$76,740.00 Site Amenities A. Bollards EA \$800.00 \$4,800.00 B. Removable Bollards EA \$1,200.00 \$3,600.00 C. Trail Signage 804 1F \$1.50 \$1,206.00 D. Wooden Boardwalk w/ Ralling 444 \$800.00 LF \$355,200.00 E. Bench (500 O.C.) EΑ \$2,500.00 \$5,000.00 F. Trash Receptacle (500' O.C.) EA 2[ \$1,500.00 \$3,000.00 Subtotal 5372,806.00 8 Landscape A. Trailside Seeding and Fine Grading 1500 SY \$1.20 \$1,800.00 B. Trees (3" Cal., 1 per 50LF) EA \$450.00 \$3,150,00 Subtotal \$4,950.00 Construction Survey & Layout A. Survey & Layout B. Traffic Control & Maintenance LS \$5,000.00 \$5,000.00 LS \$5,000.00 \$5,000.00 Subtotal 510,000.00 TOTAL \$518,913.50 A. Contingency (15%) \$77,837.03 B. General Conditions (5%) \$29,837.53 C. Bonds & insurances (3%) \$17,902.52 D. Mobilization/Demobilization (1.5%) \$8,951.26 E. Design & Documents (15%) \$89,512.58 GRAND TOTAL with Asphalt Trail \$742,954.40 Replace Asphalt Trail Pavement with Aggregate B. 10' Asphalt Pavement 389 \$38.00 -\$14,782.00 C. 10' Aggregate Pavement 389 SY \$16.00 \$6,224.00 Subtotal -\$8,558.00 TOTAL \$510,355.50 A. Contingency (15%) \$76,553.33 B. General Conditions (5%) C. Bonds & Insurances (3%) \$17,607.26 D. Mobilization/Demobilization (1.5%) \$8,803.53 E. Design & Documents (15%) \$88,036.32 GRAND TOTAL with Aggregate Trail \$730,701.49

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#### RED LINE TRAIL CONCEPTUAL OPINION OF PROBABILE COSTS Environmental Design Group APRIL 19, 2013 6 - W. 44th Street to Michael Zone Recreation Center ITEM DESCRIPTION QUANTITY UNIT UNIT COST TOTAL COST Site Preparation/Demolition A. Clearing and Grubbing \$4,000.00 \$6,000.00 B. Construction Fencing 1711 \$3,50 \$5,988,50 Subtotat \$11,988.50 Earthwork A. Excavation/Embankment 1800 CY \$10.00 \$18,000.00 Subtotal \$18,000.00 Erosion Control A. Silt Fence 1711 LF \$3.50 \$5,988.50 B. Erosion Control Measures JIS \$5,000.00 \$0.00 Subtota) \$9,965.50 Pavement A. Subgrada Preparation 1992 SY \$1.50 \$2,988.00 8. 10' Asphalt Pavement 1423 SY \$38.00 \$54,074,00 C. Geogrid 1992 SY \$6.00 \$11,952.00 D. Widened Concrete Sidewalk 1100 SF \$8.00 \$8,800.00 E. Concrete Apron Replacement SF \$10.00 \$0.00 Subtotal 77.814.00 At Grade Crossings & Road Markings A. Crosswalk Striping Only 170 LF \$12.50 \$2,125.00 B. 10 Curb Ramps w Trunc. Domes 3 EA \$2,200.00 \$6,600.00 Subtotal 58,725,00 Utilities A. Adjust Utilities to Grade LS \$5,000.00 \$5,000.00 B. Hectric Distribution & Connections LS \$20,000.00 \$20,000.00 C. 25' Light Pole with LED Fixture & Base (100' O.C.) 17 ĒΑ \$4,200.00 \$71,400.00 D. Underground Electric Conduit & Wire 1711 LF \$35.00 \$59,885.00 Subtotal \$156,285,00 Site Amenities A. Bollards ĒΑ \$800.00 \$4,800,00 B. Removable Bollards EΑ \$1,200.00 \$3,600.00 C. Trail Signage 1711 LF \$1.50 \$2,566,50 D. Wooden Boardwalk w/ Railing 416 LF \$800.00 \$332,800,00 E. Banch (500' O.C.) EΑ \$2,500.00 \$7,500.00 F. Trash Receptacle (500' O.C.) 3 EA \$1,500.00 \$4,500,00 Subtotat \$55,760.50 Landscape A. Trailside Seeding and Fine Grading 1200 SY \$1.20 \$1,440.00 8. Trees (3" Cal., 1 per 50LF) 26 EA \$450.00 \$11,700.00 Subtotal \$13,140.00 Construction Survey & Layout A Survey & Layout LS \$5,000.00 \$5,000.00 B. Traffic Control & Maintenance LS \$3,000.00 \$3,000.00 Subtotal \$8,000.60 TOTAL \$655,707.50 A. Contingency (15%) \$98,356.13 B. General Conditions (5%) \$37,703.18 C. Bonds & Insurances (3%) \$22,621.91 D. Mobilization/Demobilization (1.5%) \$11,310.95 E. Design & Documents (15%) \$113,109.54 GRAND TOTAL with Asphalt Trail \$938,809.21 Replace Asphalt Trail Pavement with Aggregate B. 10' Asphalt Pavement 1423 SY \$38.00 -\$54,074.00 C. 10' Aggregate Pavement 1423 SY \$16.00 \$22,768.00 Subtotal -\$31,306.00 TOTAL \$624,401,50 A Contingency (15%) \$93,660.23 8. General Conditions (5%) \$35,903.09 C. Bonds & Insurances (3%) \$21,541.85 D. Mobilization/Demobilization (1.5%) \$10,770,93 E. Design & Documents (15%) \$107,709.26 GRAND TOTAL with Aggregate Trail

\$893,986.85

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#### RED LINE TRAIL CONCEPTUAL OPINION OF PROBABLE COSTS Environmental Design Group APRIL 19, 2013 7 - Lorain Carnegie Hope Memorial Bridge Stopping above Merwin Avenue ITEM QUANTITY UNIT UNIT COST TOTAL COST DESCRIPTION Site Preparation/Demolition A. Clearing and Grubbing 1.0 AC \$4,000.00 \$4,000.00 B. Construction Fencing 1300 IF \$3.50 \$4,550.00 Subtotal \$8,550.00 Earthwork A. Excavation/Embankment CY \$10.00 \$0.00 Subtotal \$0.00 Erosion Control A. Silt Fence \$4,550.00 \$3.50 B. Erosion Control Measures LS \$5,000.00 \$0.00 Subtotal \$4,550.00 Pavement A. Subgrade Preparation SY \$1.50 \$3,034.50 B. 10" Asphalt Pavement 1448 SY \$38.00 \$55,024.00 C. Geogrid 2023 SY \$6.00 \$12,138.00 D. Decorative Concrete Overlook Pavement 690 SF \$12.00 \$8,280.00 Subtotal 578,476,50 At Grade Crossings & Road Markings A. 10' Curb Ramps w/ Trunc. Domes EA \$2,200.00 \$0.00 Subtotat 50.00 Utilities A. Light Pote Relocation EΑ \$2,500.00 \$0.00 B. Electric Distribution & Connections ī.s \$20,000.00 \$20,000.00 C. 25' Light Pole with LED Fixture & Base (100' O.C.) 13 EA \$4,200.00 \$54,600.00 D. Underground Electric Conduit & Wire 1300 LF \$35.00 \$45,500.00 Subtotal 5120,100.00 Sits Amenities A. Boilards EA \$800.00 \$0.00 B. Removable Bollards EA \$1,200.00 \$0.00 C. Trail Signage 1300 LF \$1.50 \$1,950.00 D. 6' Black Vinyl Chain Link Security Fence w/ Barbed Wire LF \$46,800.00 780 \$60.00 E. 6' Black Vinyl Chain Link Security Gates (Double Swing) ĒΑ \$5,000.00 \$5,000.00 F. Bench (500' O.C.) EA \$2,500.00 \$7,500.00 G. Trash Receptacle (500' O.C.) 3 EΑ \$4,500.00 \$1,500,00 Sübtotal \$65,750.00 Landscape A. Trailside Seeding and Fine Grading SY 1050 \$1.20 \$1,260.00 B. Trees (3" Cel., 1 per 50LF) 25 FA \$450.00 \$11,700.00 Subtotal \$12,960.00 Construction Survey & Layout A. Survey & Layout LS \$5,000.00 \$5,000.00 B. Traffic Control & Maintenance LS \$3,000.00 \$0.00 Subtotal \$5,009.00 TOTAL \$295,386.50 A. Contingency (15%) \$44,307.98 B. General Conditions (5%) \$16,884.72 C. Bonds & insurances (3%) \$10,190,83 D. Mobilization/Demobilization (1.5%) \$5,095.42 E. Dasign & Documents (15%) \$50,954.17 GRAND TOTAL with Asphall Trail \$422,919.62 Replace Asphalt Trail Pavement with Aggregate 9. 10' Asphall Pavement 1448 SY -\$38.00 -\$55,024.00 C. 10' Aggregate Pavement 1448 SY \$16.00 \$23,168.00 Subtotal -\$31,656.00 TOTAL \$263,530,50 A. Contingency (15%) \$39,529,58 B. General Conditions (5%) \$15,153.00 C. Bonds & Insurances (3%) \$9,091.80 D. Mobilization/Demobilization (1.5%) \$4,545,90 E. Design & Documents (15%) \$45,459.01 GRAND TOTAL with Aggregate Trail \$377,309.79

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