



ADDENDUM NUMBER 2

Project Number: **TAP 3301(489), City Project 70181301**

Project Title: **Big Shoal Creek Trail Segments 1, 2, and 3**

ISSUE DATE: **October 25, 2019**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **October 30, 2019**, are amended as follows:

Information to Bidders The following is provided to Bidders for information only:

1. October 10, 2019 Pre-Bid Attendance List
2. October 10, 2019 Pre-Bid Agenda
3. Questions and Answers – See Attachments

Bidding Requirements

1. Delete and replace the following section(s):
 - a. Delete Document, Sec. 00412 Unit Prices and replace with the following Document, Sec **00412 Unit Prices-Revised-102419**

Specifications

1. Bridge Brothers, Inc. has been approved as a qualified supplier. Section 02700, subsection 2701.2 Qualified Suppliers is amended as follows:

Each bidder is required to identify their intended bridge supplier as part of the bid submittal. Qualified suppliers must have at least 5 years-experience fabricating these type structures.

Pre-approved Manufacturers:
CONTECH Engineered Solutions, LLC
Big R Bridge
Wheeler Lumber, LLC
Excel Bridge Mfg. Co.
Pioneer Bridge
Art Thurson, Inc.
Roscoe Bridge
Bridge Brothers, Inc.

Drawings:

1. Replace Sheet3 with TAP3301(489)-Sheet3-Revised102419

2. Replace Sheet4 with TAP3301(489)-Sheet4-Revised102419
3. Replace Sheet5 with TAP3301(489)-Sheet5-Revised102419
4. Replace Sheet15 with TAP3301(489)-Sheet15-Revised102419

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.

CERTIFICATE BY BIDDER/PROPOSER I acknowledge receipt of this Addendum No. _____ for Project No _____ and that the bid/proposal is in accordance with the information, instructions, and stipulations set forth herein.

By _____

Company _____

NOTE: This signed addendum notice must accompany your bid.

Pre-Bid Sign In

Big Shoal Creek Trail, Segments 1, 2, and 3, Federal Project TAP 3301(489), City Project 70181301

Meeting Date: 10/10/2019 2:00 PM

Sorted by company name
Taken from KCMOPInRoom.org 3:00PM 10/9/2019

Company	Phone	Sign In
Act Global	913-645-5570	
Advanced Drainage Systems	816-715-1466	
All Inclusive Rec	573-701-9787	
Alpha Energy and Electric, Inc.	(816) 421-6767	
American Concrete Products Company		
Applied Geo Solutions	913-283-9546	
Ballard Excavating, LLC	816-694-8104	
BEAVER STUMP & TREE	913-669-1464	
Berkel and Company	913-422-3588	
BidClerk	877-737-6482	
Bidnet	800-677-1997	
Blue Book	800-431-2584	
Blue Moon Hauling & Excavating	816-532-8154	
Capital Electric Line Builders	816 329 8319	
City of Kansas City	816-513-2598	
Citygreen Systems LLC	000-545-7257	
Clarkson Construction Company	816-483-8800	
ConstructConnect	816-781-8718	
Contech	913-302-1391	
Contech Engineered Solutions	913-216-3818	

Accalia Trageser

Login	Company	Phone	Fax	Sign In
valerie.johnson@kcmo.org	Contract Compliance-City of KCMO	816-513-1406		<i>Valerie Johnson</i>
govbidops@thebluebook.com	Contractor's Register Inc	800 431 2584		
thack@coreslab.com	Coreslab Structures (Kansas)	913-287-8513	913-287-5725	
james.chilton@construction.com	Dodge Data & Analytics	314-939-6519		
eplan@eplanbidding.com	ePlan	573-355-5404	573-447-7130	
ahass@esi-cc.com	ESI Contracting Corp	816-523-5081		
stephen@finncock.com	Finn Construction LLC	816-835-2091		
camden.arnold@forterrabp.com	Forterra Pipe and Precast	816-820-3422		
robbinrcliff@gelgerreadymix.com	Geiger Ready Mix	913-281-1492	913-281-0111	
Brian@greatplainsnursery.com	Great Plains Nursery	402-540-4801		
Bids@gunterkc.com	Gunter Construction Co. WBE/DBE	913-362-7845	913-362-7844	<i>Taylor White ✓</i>
lori_p@hdboconstruction.com	HDB Construction, Inc.	785-232-5445	785-232-5444	
admin@hettingerxt.com	Hettinger Excavating LLC	816-619-2511	816-786-4593	
horizontalboring@hbtrenchless.com	Horizontal Boring & Tunneling Co.	402-266-5591	402-266-5347	
aschmidt@hurnmidwest.com	Hunt Midwest	816-455-2500		
cody@ideker.net	Ideker, Inc.	816-364-4783	816-364-3970	
jeonkin@i-solutionsllc.com	Infrastructure Solutions	816-606-6280		
bids@jmfahay.com	J. M. Fahay Construction Company	816-763-3862	816-763-3010	
erica.flad@kcmo.org	KCMO	816-513-7780		
clones@kcnr.net	KCNR, LLC	316-236-0265		
jarvey@kisslicko.com	Kissick Construction Company, Inc.	816-523-1557	816-363-5530	
Matt@lexeco.com	Leavenworth Excavating Equipment Company, Inc.	913-727-1270	913-727-1234	
mcebid@markone.com	Mark One Electric Co	816-842-7023		
OP360-WL@construction.com	McGraw Hill	800-328-5594		

TH RB

Login	Company	Fax	Phone	Sign In
tonya_smith@mcgraw-hill.com	McGraw-Hill	866-730-6151	972-924-8440	
brian@megakc.com	Mega Industries Corporation <i>mega bids@megakc.com</i>	816-472-6722	816-472-8722	
megabids@megakc.com	MEGA INDUSTRIES CORPORATION	816-472-6722	816-472-8722	
tyler@megakc.com	Mega Industries Corporation	816-472-6722	816-472-8722	
janeb@milesexcavating.com	Miles Excavating.com	913-724-2512	913-724-1934	
clndy@moksapa.com	MO/KS Chapter, ACPA	913-381-4958	913-381-2251	
ntnl.streetscape@gmail.com	National Streetscape, Inc	(816)228-5295	(816)228-5777	
arnolduan51@gmail.com	None		816-288-5912	
craig.folkers@oldcastle.com	Oldcastle Miller material	913-667-1792	913-667-1792	
sourceamgt@onvia.net	Onvia		206-373-9099	
dave@pars-engineers.com	Pars Consulting Engineers		913-432-0107	
jwagner@premierfencekc.com	Premier Fence KC	816-697-2051	816-283-3800	
waltherb@pyramidcontractorsinc.com	PYRAMID CONTRACTORS	913-764-8695	913-764-6225	
kristin@pyramidexcavation.com	PYRAMID EXCAVATION & CONSTRUCTION, INC.	816-765-4467	816-765-4464	
eandres@radbroex.com	Radmacher Brothers Excava	816-540-4444	816-540-3614	
RCDCentralNews@reedbusiness.com	Reed Construction Data		1-869-465-8087 Ext 2	
Kling.rod1@yahoo.com	RGS & Associates	816-442-7693	816-582-0914	
kgregg@rocal.com	Rocal, Inc		740-998-2122	
cashaw@sakon.com	SAK CONSTRUCTION LLC		636-233-9621	
pschroeder@sompaving.com	Seal-O-Matic Paving Company	816-741-2711	816-741-2646	
DENNTS@SHEDIGSIT.COM	SHEDIGS IT LLC	816-295-1627	816-295-1100	
David.a.jarrett@sherwin.com	Sherwin		816-651-8590	
bfeikner@sosayaandsons.com	Sosaya and Sons Construction, Inc.	913-745-8801	913-745-8800	
gheck@carsoncomm.com	St. Joe Concrete Products	913-365-5785	913-365-7281	

Big Shoal Creek Trail
Segments 1, 2, and 3
Chouteau to North Brighton
Federal Project TAP 3301(489)
City Project 70181301
Clay County

Pre-bid meeting
Thursday October 10, 2019
2:00 PM

Agenda

Project Overview

- Federal Funds, TIF Funds, city funds
- Review of Section 00210 Notice to Contractors
- Required bid submissions-Section 00210, Paragraph 19
- Federal required forms-Section 00500
- Federal requirements-Section 00700
- DBE of 12%

Planned Addendum

- Bid date
- Pre-bid sign in sheet
- Pre-bid questions and answers

Project Specific Information

- Add Alternate Parking Lot and staging areas
- Existing waterline
- Traffic control

General question and answer period

Summary of pre-bid meeting comments and questions:

All questions need to be sent to:

Project Manager: **Rodney Riffle**
Phone Number: **(816) 513-7619**
Fax Number: **(816) 513-7602**
E-mail: **Rodney.Riffle@kcmo.org**

Contract Administrator: **Patt Losiewicz**
Phone Number: **(816) 513-7632**
Fax Number: **(816) 513-7605**
E-mail: **Patt.Losiewicz@kcmo.org**

Please review paragraph 3 of section 00210. The contract is a calendar date contract with milestone dates. The intent is to ensure proper execution of the contract but provide time to address corrections and issues with the timing of landscaping/seeding installation and acceptance.

Please note paragraph 20 of section 00210 which outlines the required contract submissions:

a) Documents required at the time of Bid:

1. Form 00410 – Bid/Form Contract
2. Form 00412 – Unit Prices
3. Form 00430 – Bid Bond
4. Anti-Collusion Statement
5. Form 00500.04-Employee Eligibility Verification Affidavit

b) Bidder is required to deliver or fax to the Contract Administrator **by 4:00 p.m. within three (3) business days after the bid** opening the following documents:

1. DBE Submittal Forms (page 1 of 3; page 2 of 3; and page 3 of 3) (Form 00500.01)
2. Subcontractor Certification Regarding Affirmative Action (Prime Contractor must execute this Certification and obtain an executed Certification from each proposed subcontractor) (Form 00500.02)
3. Certification that Contractor is not Excluded from State or Federal Programs (Prime Contractor must execute this Certification and obtain an executed Certification from each proposed sub-contractor) (Form 00500.03)

DBE goal is 12%. See paragraph 24 of section 00210

Big Shoal Creek Trail
Segments 1, 2, and 3
Chouteau to North Brighton
Federal Project TAP 3301(489)
City Project 70181301
Clay County
Pre-bid meeting notes.
Thursday October 10, 2019
2:00 PM

- Please note section 01408 Floodplain Permit Delay. The City has a goal of March 1, 2020 for the floodplain permit.
- Plan Sheet 4 is missing and is included in an addendum.
- Section 00410 Bid unit prices and plan sheets have item 41 low water crossing listed as a "EACH" unit but the unit is "LF" or linear feet. Plan sheet has been updated.
- Section 00410 Bid unit prices and plan sheets have item 42 retaining wall listed as a "LF" unit but the unit is "SQ FT" or square feet. Plan sheet has been updated.
- Trail width is 10 feet adjacent to the retaining wall from STA 37+82 to 39+10. See sheet 19.
- Bridge safety/hand rail height is 42."
- At low water crossing and RCB low water bridge if the contractor encounters rock in the stream bottom, rip rap will not be placed in the creek but further along the stream banks and quantity will remain the same unless the engineer feels it's not necessary.
- The job will be heavy rates. The overtime payment will be on the rates in the change orders. Any questions about overtime pay should be referred to the Missouri Department of Labor and Industrial Relations at 573-751-3403.
- The bridge is to be loaded to accommodate the weight of an ambulance.

Other Questions and Answers

Q1 Can you provide the geotech report for this project?

A1 Geotech report is in the specifications: Section 20040.

Q2 There is a callout for concrete trail with 2' toe wall (2 sides) on the low water crossing plan sheet and detail sheet with the RCB culvert. I do not see a bid item for that. Is there supposed to be one for the trail with toe wall on 2 sides?

A2 Plans have been modified and Section 00412 has been modified to add to wall on both sides.

**UNIT PRICES****TAP 3301 (489), City Project 70181301**
Big Shoal Creek Trail, Segments 1, 2, & 3**NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.**

Item No.	Unit	Quantity	Item Description:	Unit	Extension
1	LS	1	Mobilization		\$ -
2	LS	1	Contractor Furnished Surveying		\$ -
3	ACRES	5.9	Clearing, Grubbing, and Demolition		\$ -
4	CY	4,704	Excavation		\$ -
5	CY	3,307	Embankment		\$ -
6	LF	9,477	Silt Fence		\$ -
7	LF	20	Type CG-1 Curb and Gutter		\$ -
8	SQ YD	9,953.4	6" Concrete Trail w/ Fiber Reinforcement		\$ -
9	SQ YD	88.8	6" Concrete Trail w/ Fiber w/ 2' Toe Wall (1 Side)		\$ -
10	SQ YD	49.6	Concrete Approach Slab		\$ -
11	SQ YD	153.3	6" Concrete Trail w/ Fiber w/ Curb		\$ -
12	SQ YD	361.4	8" Concrete Drive		\$ -
13	SQ YD	20.0	4" Concrete Pad		\$ -
14	SQ FT	76	ADA Pavers		\$ -
15	CY	23	Rip Rap Light 18"		\$ -
16	CY	1,049	Rip Rap 1/4 Ton		\$ -
17	SQ FT	125.0	Detour Signage		\$ -
18	EACH	8	Type 3 Barricade		\$ -
19	LF	90	White Agg. Bond Thermoplastic, 6" width		\$ -
20	LF	736	Round Rail Fence		\$ -
21	EACH	3	Access Control Swing Gate		\$ -
22	SQ FT	214.5	Signage, Permanent		\$ -
23	ACRES	3.6	Seeding and Straw Mat		\$ -
24	SQ YD	1,966.0	Sod		\$ -
25	EACH	50	October Glory Maple (Acer rubrum), 1" Caliper		\$ -
26	EACH	50	Shingle Oak (Quercus imbricaria), 1" Caliper		\$ -
27	EACH	50	Swamp White Oak (Quercus bicolor), 1" Caliper		\$ -
28	EACH	50	Tuliptree (Liriodendron Tulipifera) , 1" Caliper		\$ -
29	LF	200	4" HDPE Underdrain		\$ -
30	LF	310	18" HDPE Pipe		\$ -
31	EACH	10	18" HDPE Pipe Flared End Section		\$ -
32	LF	140	24" HDPE Pipe		\$ -

Bidder: _____

Item No.	Unit	Quantity	Item Description:	Unit	Extension
33	EACH	8	24" HDPE Pipe Flared End Section		\$ -
34	LF	18	24" RCAP Pipe		\$ -
35	EACH	2	24" RCAP Pipe Flared End Sections		\$ -
36	LF	90	36" HDPE Pipe		\$ -
37	EACH	4	36" HDPE Pipe Flared End Section		\$ -
38	LF	60	48" HDPE Pipe		\$ -
39	EACH	4	48" HDPE Pipe Flared End Section		\$ -
40	EACH	1	Low Water Crossing		\$ -
41	LF	18	Double 14' by 4' Reinforced Concrete Box Culvert		\$ -
42	SQ FT	690	Retaining Wall, Cobblestone Face, Yellow Colored		\$ -
43	LF	340	Steel Backed Wood Guide Rail		\$ -
44	EACH	9	Concrete Trail Marker Post		\$ -
45	SQ YD	111	Concrete Armor Block		\$ -
46	LF	75	ADA Black Powder Coated Handrail		\$ -
47	LF	200	Structural Steel Pile		\$ -
48	EACH	1	Prefabricated Pedestrian Trail Bridge		\$ -
49	SQ FT	34.6	6" Concrete Trail w/ Fiber w/ 2' Toe Wall (2 Sides)		\$ -
			Total Unit Prices: (LAST PAGE ONLY)		TOTAL \$
					\$ -

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.

CONCRETE TRAIL ITEMS

TRAIL SEGMENT	BID ITEM	BEGIN STATION	END STATION	SIDE	QTY	UNIT
1	Type CG-1 Curb and Gutter	75+06			10	LF
1	Type CG-1 Curb and Gutter	75+31			10	LF
1	6" Concrete Trail w/ Fiber Reinforcement	18+50	22+64		460	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	24+76	33+05		920.2	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	33+97	36+00		226	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	37+90	75+07		4137.9	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	75+31	87+37		1340.9	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	87+57	89+85		202.5	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	89+85	90+83		108.9	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	91+77	104+27		1416.3	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	108+16	116+73		957.6	SQ YD
1	6" Concrete Trail w/ Fiber Reinforcement	116+97	117+16		21.1	SQ YD
1B	6" Concrete Trail w/ Fiber Reinforcement	334+75	336+45		162	SQ YD
1TH	6" Concrete Trail w/ Fiber Reinforcement	PARK CON			6.7	SQ YD
1TH	6" Concrete Trail w/ Fiber Reinforcement	TRAIL			53	SQ YD
1	6" Concrete Trail w/Fiber w/2' Toe W (1 Side)	33+05	33+25		22.2	SQ YD
1	6" Concrete Trail w/Fiber w/2' Toe W (1 Side)	33+77	33+97		22.2	SQ YD
1	6" Concrete Trail w/Fiber w/2' Toe W (1 Side)	90+83	91+03		22.2	SQ YD
1	6" Concrete Trail w/Fiber w/2' Toe W (1 Side)	91+57	91+77		22.2	SQ YD
1	Concrete Approach Slab	22+64	22+84		24.8	SQ YD
1	Concrete Approach Slab	24+56	24+76		24.8	SQ YD
1	6" Concrete Trail w/ Fiber w/ Curb	36+00	36+46		51.1	SQ YD
1	6" Concrete Trail w/ Fiber w/ Curb	36+98	37+90		102.2	SQ YD
1A	8" Concrete Drive	216+70	219+05		329.4	SQ YD
1	4" Concrete Pad				20	SQ YD
1	ADA Pavers	75+06			20	SQ FT
1	ADA Pavers	75+31			20	SQ FT
1	ADA Pavers	87+35			20	SQ FT
1	ADA Pavers	87+58			16	SQ FT
1TH	ADA Pavers	TRAIL			16	SQ FT
1TH	ADA Pavers	PARK CON			17	SQ FT
1TH	6" Concrete Parking Lot w/ Fiber Reinforcement				1109.3	SQ YD
1	Concrete Armor Block	87+57	88+20	LT	52.4	SQ YD
1	Concrete Armor Block	87+57	88+20	RT	58.3	SQ YD
1TH	6' Long Concrete Curb Stops				25	EACH
1	6" Concrete Trail w/Fiber w/2' Toe W (2 Sides)	91+03	91+15		17.3	SQ FT
1	6" Concrete Trail w/Fiber w/2' Toe W (2 Sides)	91+45	91+57		17.3	SQ FT

NOTES:

ITEMS LISTED FOR INSTALLATION REFERENCE. SEE SUMMARY OF QUANTITIES SHEET FOR ALL BID ITEMS.

TRAIL SEGMENT NOTES

- 1 REFERS TO MAIN TRAIL FROM STA 18+50± TO 117+16±
- 1A REFERS TO CONCRETE DRIVE TRAIL FROM STA 216+68± TO 219+05±
- 1B REFERS TO CONNECTOR TRAIL FROM STA 334+75± TO 336+45±
- 1TH REFERS TO ADD ALTERNATE WORK AT NORTH INDIANA TRAILHEAD

EARTHWORK ITEMS

TRAIL SEGMENT	BID ITEM	BEGIN STATION	END STATION	SIDE	QTY	UNIT
1	Excavation				4633	CY
1A	Excavation				59	CY
1B	Excavation				12	CY
1TH	Excavation				2313	CY
1	Embankment				3295	CY
1A	Embankment				4	CY
1B	Embankment				8	CY
1TH	Embankment				848	CY

FENCE/GUARDRAIL ITEMS

TRAIL SEGMENT	BID ITEM	BEGIN STATION	END STATION	SIDE	QTY	UNIT
1	Round Rail Fence	22+54	22+84	LT	32	LF
1	Round Rail Fence	22+54	22+84	RT	32	LF
1	Round Rail Fence	24+56	24+88	LT	32	LF
1	Round Rail Fence	24+56	24+88	RT	32	LF
1	Round Rail Fence	37+90	39+22	LT	164	LF
1	Round Rail Fence	40+32	41+83	RT	142	LF
1	Round Rail Fence	74+90	75+00	RT	54	LF
1	Round Rail Fence	75+62	75+54	RT	32	LF
1	Round Rail Fence	103+80	104+27	LT	48	LF
1	Round Rail Fence	108+16	108+70	LT	48	LF
1	Round Rail Fence	116+58	116+80	RT	24	LF
1	Round Rail Fence	116+98	117+20	L/R	72	LF
1B	Round Rail Fence	336+46			24	LF
1TH	Round Rail Fence	LOT SOUTH			232	LF
1TH	Round Rail Fence	LOT SE			24	LF
1TH	Round Rail Fence	LOT NE			48	LF
1	Access Control Swing Gate	87+12			1	EACH
1	Access Control Swing Gate	101+80			1	EACH
1	Access Control Swing Gate	116+70			1	EACH
1	Steel Backed Wood Guide Rail	87+15	88+06		160	LF
1	Steel Backed Wood Guide Rail	87+57	88+12		180	LF
1	Concrete Trail Marker Post	21+00			1	EACH
1	Concrete Trail Marker Post	31+56			1	EACH
1	Concrete Trail Marker Post	42+12			1	EACH
1	Concrete Trail Marker Post	52+68			1	EACH
1	Concrete Trail Marker Post	63+24			1	EACH
1	Concrete Trail Marker Post	73+80			1	EACH
1	Concrete Trail Marker Post	84+36			1	EACH
1	Concrete Trail Marker Post	94+92			1	EACH
1	Concrete Trail Marker Post	116+0			1	EACH
1	ADA Black Powder Coated Handrail	87+62	88+40	LT	75	LF

EDITED 10/24/19

DIRECTION

TAP 3301 (489)



BOARD OF PARKS AND RECREATION COMMISSIONERS
4600 E. 63rd STREET
KANSAS CITY, MO 64130
V: (816) 513-7600
F: (816) 513-7602
www.kcparks.org

BIG SHOAL TRAIL SEGMENT 1
LOCATIONS OF SELECTED BID ITEMS

QUANTITIES

HORIZ. SCALE: NTS
VERT. SCALE: NTS
SHEET

DRAINAGE ITEMS

TRAIL SEGMENT	BID ITEM	BEGIN STATION	OFFSET	SIDE	QTY	UNIT
1	4" HDPE Underdrain (As needed 20' segments)				200	LF
1TH	4" HDPE Underdrain				260	LF
1	18" HDPE Pipe	44+96			30	LF
1	18" HDPE Pipe	69+75			40	LF
1	18" HDPE Pipe	70+10		30°	40	LF
1	18" HDPE Pipe	71+03			50	LF
1	18" HDPE Pipe	75+75		30°	40	LF
1	18" HDPE Pipe	88+03		33°	110	LF
1TH	18" HDPE Pipe				50	LF
1	18" HDPE Pipe Flared End Section	44+96			2	EACH
1	18" HDPE Pipe Flared End Section	69+75			2	EACH
1	18" HDPE Pipe Flared End Section	70+10			2	EACH
1	18" HDPE Pipe Flared End Section	71+03			2	EACH
1	18" HDPE Pipe Flared End Section	88+03			2	EACH
1	24" HDPE Pipe	55+55			30	LF
1	24" HDPE Pipe	69+14			40	LF
1	24" HDPE Pipe	80+86		50°	40	LF
1	24" HDPE Pipe	95+88			30	LF
1	24" HDPE Pipe Flared End Section	55+55			2	EACH
1	24" HDPE Pipe Flared End Section	69+14			2	EACH
1	24" HDPE Pipe Flared End Section	80+86			2	EACH
1	24" HDPE Pipe Flared End Section	95+88			2	EACH
1	24" RCAP Pipe	35+90			18	LF
1	24" RCAP Pipe Flared End Sections	35+90			2	EACH
1	36" HDPE Pipe	61+65		15°	50	LF
1	36" HDPE Pipe	98+70		30°	40	LF
1	36" HDPE Pipe Flared End Section	61+65			2	EACH
1	36" HDPE Pipe Flared End Section	98+70			2	EACH
1	48" HDPE Pipe	84+42			30	LF
1	48" HDPE Pipe	115+86		20°	30	LF
1	48" HDPE Pipe Flared End Section	84+42			2	EACH
1	48" HDPE Pipe Flared End Section	115+86			2	EACH
1	Low Water Crossing	33+50			1	EACH
1	Double 14' by 4' Reinf Concrete Box Culvert	91+30			18	LF

EROSION CONTROL ITEMS

TRAIL SEGMENT	BID ITEM	BEGIN STATION	END STATION	SIDE	QTY	UNIT
1	Rip Rap Light 18", 1' Depth	35+90			3	CY
1	Rip Rap Light 18", 1' Depth	55+55			3	CY
1	Rip Rap Light 18", 1' Depth	69+14			3	CY
1	Rip Rap Light 18", 1' Depth	69+75			2	CY
1	Rip Rap Light 18", 1' Depth	70+10			2	CY
1	Rip Rap Light 18", 1' Depth	71+03			2	CY
1	Rip Rap Light 18", 1' Depth	75+75			2	CY
1	Rip Rap Light 18", 1' Depth	80+86			3	CY
1	Rip Rap Light 18", 1' Depth	95+88			3	CY
1	Rip Rap 1/4 Ton, 1.5' Depth	44+96			9	CY
1	Rip Rap 1/4 Ton, 1.5' Depth	36+00	36+46	RT	17	CY
1	Rip Rap 1/4 Ton, 1.5' Depth	36+98	37+80	RT	30	CY
1	Rip Rap 1/4 Ton, 1.5' Depth	61+65			9	CY
1	Rip Rap 1/4 Ton, 1.5' Depth	98+70			9	CY
1	Rip Rap 1/4 Ton, 2' Depth	22+60	24+75	L/R	150	CY
1	Rip Rap 1/4 Ton, 2' Depth	36+00	36+46	LT	25	CY
1	Rip Rap 1/4 Ton, 2' Depth	36+98	37+80	LT	48	CY
1	Rip Rap 1/4 Ton, 2' Depth	84+42			18	CY
1	Rip Rap 1/4 Ton, 2' Depth	115+86			18	CY
1	Rip Rap 1/4 Ton, 3' Depth	33+24	33+76	L/R	175	CY
1	Rip Rap 1/4 Ton, 3' Depth	79+71	80+91	RT	98	CY
1	Rip Rap 1/4 Ton, 3' Depth	88+20	88+70	RT	87	CY
1	Rip Rap 1/4 Ton, 3' Depth	91+00	91+57	RT	146	CY
1	Rip Rap 1/4 Ton, 3' Depth	91+00	91+57	LT	210	CY
1	Silt Fence	18+50	104+27		8577	LF
1	Silt Fence	108+16	117+16		900	LF
1TH	Silt Fence				340	LF
1	Sod	18+50	22+64	1'L/R	92.0	SQ YD
1	Sod	24+76	33+04	1'L/R	184.0	SQ YD
1	Sod	33+96	36+00	1'L/R	45.3	SQ YD
1	Sod	36+00	36+46	2'L	10.2	SQ YD
1	Sod	36+98	37+82	2'L	18.7	SQ YD
1	Sod	37+90	39+10	1'R	13.3	SQ YD
1	Sod	39+10	39+60	1'L/R	11.1	SQ YD
1	Sod	40+32	41+90	1'R	17.6	SQ YD
1	Sod	41+90	75+06	1'L/R	736.9	SQ YD
1	Sod	75+30	87+37	1'L/R	268.2	SQ YD
1	Sod	88+20	88+70	2'R	11.1	SQ YD
1	Sod	88+70	90+83	1'L/R	47.3	SQ YD
1	Sod	91+77	104+27	1'L/R	277.8	SQ YD
1	Sod	108+16	116+73	1'L/R	190.4	SQ YD
1	Sod	116+97	117+16	1'L/R	4.2	SQ YD
1B	Sod	334+75	336+45	1'L/R	37.8	SQ YD

NOTES:

ITEMS LISTED FOR INSTALLATION REFERENCE. SEE SUMMARY OF QUANTITIES SHEET FOR ALL BID ITEMS.

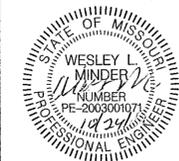
TRAIL SEGMENT NOTES

- 1 REFERS TO MAIN TRAIL FROM STA 18+50± TO 117+16±
- 1A REFERS TO CONCRETE DRIVE TRAIL FROM STA 216+68± TO 219+05±
- 1B REFERS TO CONNECTOR TRAIL FROM STA 334+75± TO 336+45±
- 1TH REFERS TO ADD ALTERNATE WORK AT NORTH INDIANA TRAILHEAD

EDITED 10/24/19

DIRECTION

TAP 3301 (489)



BOARD OF PARKS AND RECREATION COMMISSIONERS

4600 E. 63rd STREET
KANSAS CITY, MO 64130
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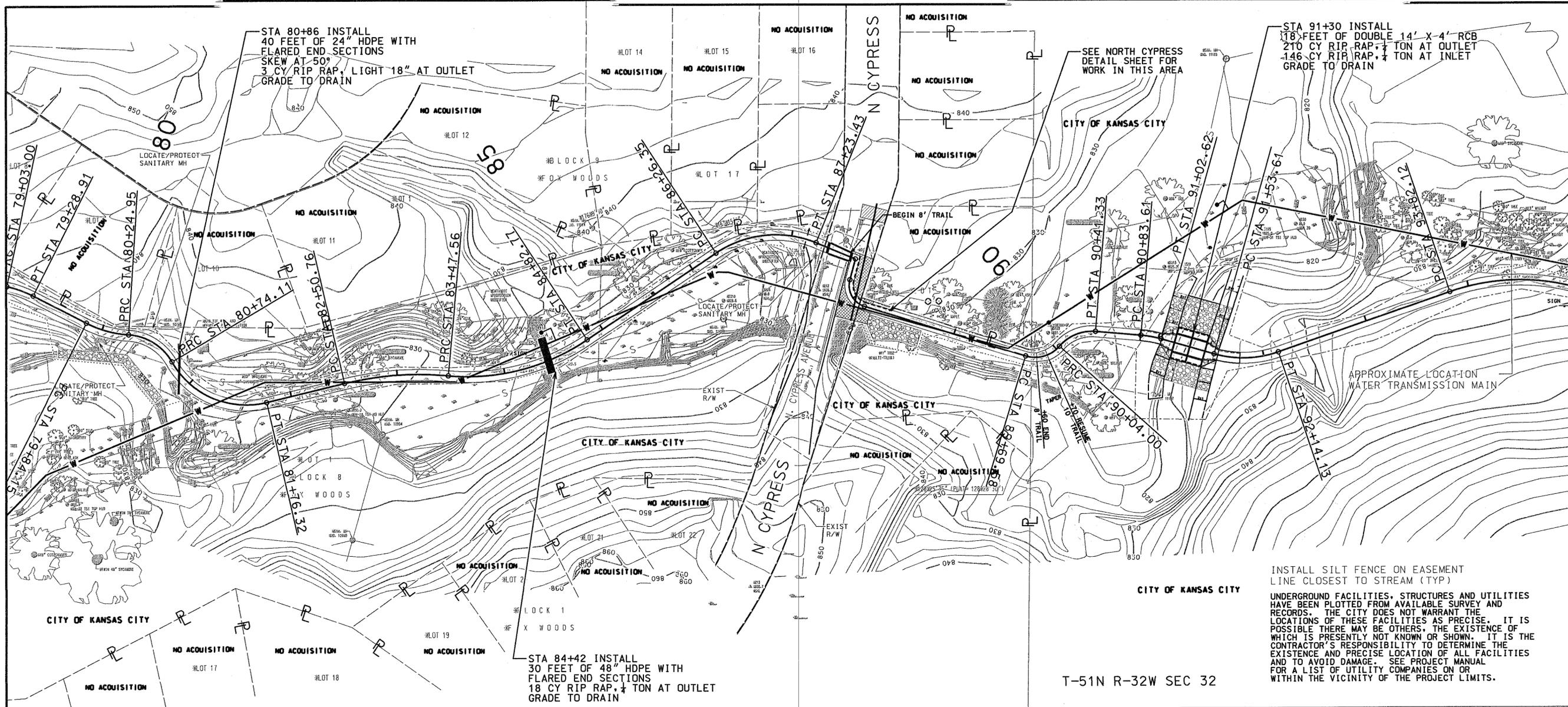
BIG SHOAL TRAIL SEGMENT 1

LOCATIONS OF SELECTED BID ITEMS

QUANTITIES

HOR. SCALE: NTS
VERT. SCALE: NTS

SHEET 5



DIRECTION

TAP 3301 (489)

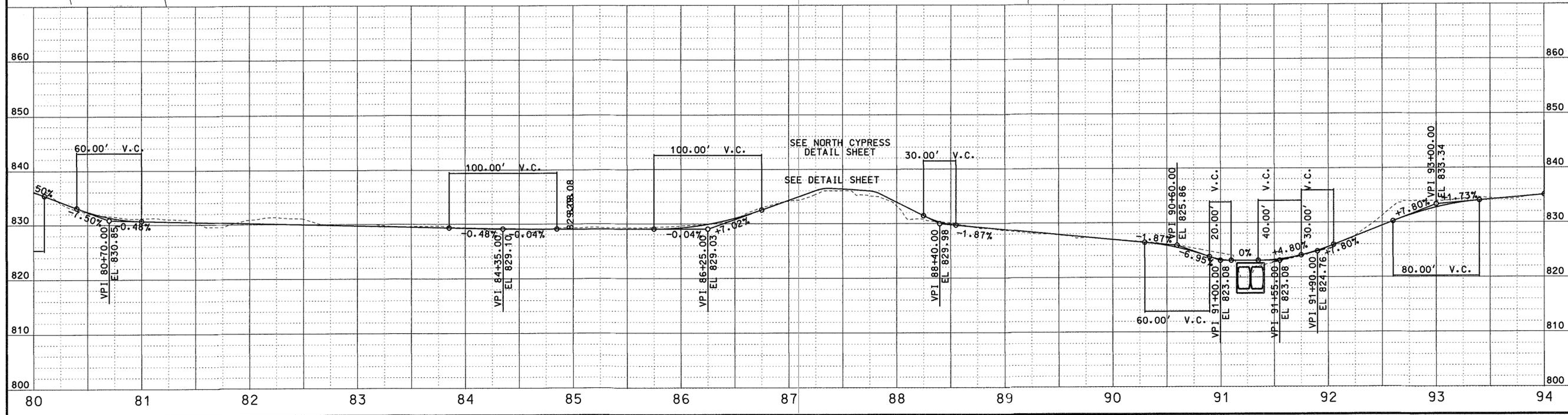
STATE OF MISSOURI
WESLEY L. MINDER
PROFESSIONAL ENGINEER
NUMBER 11111
PE-2003001071

EDITED 10/24/19

INSTALL SILT FENCE ON EASEMENT LINE CLOSEST TO STREAM (TYP)

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE CITY DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE PROJECT MANUAL FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.

T-51N R-32W SEC 32



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BIG SHOAL TRAIL SEGMENT 1

PLAN & PROFILE

1" = 50' 1" = 10'

10/24/2019