ADDENDUM No. 4

Date December 12, 2012

City of Austin

Project Name North Walnut Creek Bike Trail Improvements

C.I.P. No. 5261.001

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated November 15, 2012. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

1. Replace Section 00300U (Unit Price Bid Form) with the attached revised Section 00300U.

B. Drawing Revisions:

1. Replace the Retaining Wall Schedules 1/S19, 2/S19 and 4/S19 of Sheet S19, Sheet 167 of 213, with the attached revised schedules on attachments SK-1, SK-2, SK-3 & SK-4.

   The revised sheet to be provided after contract award.

2. Sheet MD1 (Sheet 103 of 213), remove the following Details as follows:

   a. "Column - Section"
   b. "Retaining/Seat Wall – Section"
   c. "Concrete Paver Detail"
   d. "Free Standing Seat Wall – Section"
   e. "Limestone Paver – Section"
   f. "Free Standing Landscape Wall – Section"

   The revised sheet to be provided after contract award.

3. Sheet MD1 (Sheet 103 of 213), revise the "Compass Detail" as follows:

   a. Remove the cut limestone pavers and replace with saw-cut finish per SP411S in the pattern shown in the detail.
   b. Omit sandblasted letters.

   The revised sheet to be provided after contract award.

This addendum consists of 15 page(s)/sheet(s).

Approved by OWNER

Approved by ENGINEER/ARCHITECT

STATE OF TEXAS
SUSAN E. SCOTT
88638
LICENSED
PROFESSIONAL ENGINEER
12/12/12

END

UNIT PRICE BID FORM

Section 00300U

The undersigned, in compliance with the Invitation for Bids for construction of the following Project:

NORTH WALNUT CREEK BIKE TRAIL IMPROVEMENTS

(CIP ID# 5261.001) (IFB# 6100CLMC395)
for the City of Austin, Texas, having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated for the following prices of:

Note: The Bidder will enter the line item subtotal in the "Amount" column below, which is the product of the estimated "Quantity" multiplied by the "Unit Price". Any mathematical errors will be corrected for the purpose of determining the correct Amount to be entered in the Bid Form. The Amounts, including any corrected Amounts, will then be totaled to determine the actual amount of the Bid.

DIVISION 1 (PW)

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
102S-A	7	AC	CLEARING AND GRUBBING		
104S-A	196	LF	REMOVING CONC (CURB AND GUTTER)		
104S-C	2,356	SF	REMOVING CONC (SIDEWALKS)		
104S-G	1	LS	REMOVE MISCELLANEOUS CONC (SELECTIVE DEMOLITION OF EXISTING FOOTING AT BRIDGE 2)		
110S-A	440	CY	STREET EXCAVATION		
130-T	4,032	CY	Class C (Topsoil), Plan Quantity (4")		
132S-A	440	CY	EMBANKMENT		
340S-B	2,639	SY	Hot Mix Asphaltic Concrete Pavement, 2 inches, Type C		
403S-CY-1	26	CY	Class S Concrete (CMTA Path Shelter and Boardwalk Footings)		
403S-CY-2	1,163	CY	Class S Concrete (Slab, Slab Beams or Walls for Bridges 1, 2, 3, 4, 5, 6A and 8)		

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
403S-CY-3	23	CY	Class S Concrete (Bridge Columns)		
403S-CY-4	113	CY	Class S Concrete (Boardwalk, Bridge Abutments and Bent Caps for Bridges 6A, 7, 8 and 9)		
403S-CY-5	95	CY	Class S Concrete (Topping Slab for Bridges 3, 6B and Boardwalk)		
403S-CY-6	68	CY	Class S Concrete (Strip Footings for Precast Box Culverts)		
420S-A	2,620.00	LF	DRILL SHAFT (30 IN)		
430S-E	414	LF	Concrete Laydown Curb (Excavation)		
431S-A	1,545	LF	Machine Laid Portland Cement Concrete Curb and Gutter		
432S-RP-1	2	EA	P.C. Sidewalk Curb Ramp with Pavers (Type I)		
439S	46	EA	Parking Lot Bumper Curbs		
480SNS	50	SF	Concrete Paver Units for Sidewalks, 60 mm		
508S-H18	5	EA	Headwalls, Type FW, 18 In. Dia. Pipe		
508S-H24	2	EA	Headwalls, Type FW, 24 In. Dia. Pipe		
508S-H36	1	EA	Headwalls, Type FW, 36 In. Dia. Pipe		
508S-H48	1	EA	Headwalls, Type FW, 48 In. Dia. Pipe		
509S-1	283	LF	EXCAVATION SAFETY SYSTEMS		
510-AW18	9	LF	RC PIPE (CL III)(18 IN)		
510-AW24	42	LF	RC PIPE (CL III)(24 IN)		
510-AW36	32	LF	RC PIPE (CL III)(36 IN)		
510-AW48	19	LF	RC PIPE (CL III)(48 IN)		
594S-A	18	CY	Gabions, Twisted Woven Wire (GALV)(12 IN)		

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
602S-D	5,141	SY	Buffalo Grass Sodding		
604S-C	31,152	SY	Native Seeding for Erosion Control Method, Fiber Mulch		
604S-E	32	SY	Mulch, 3" Hardwood		
606S-B	42	100 LBS	FERTILIZER		
608S-1RO	1	EA	Planting Type, Red Oak, Size in inches, 3"		
608S-1ML	10	EA	Planting Type, Mountain Laurel, Size in inches, 3"		
608S-1MR	2	EA	Planting Type, Mexican Redbud, Size in inches, 3"		
609S-E	36,291	SY	WATERING		
610S-C	10,459	LF	Protective Fencing Type C Other Materials		
623S	2251	SF	Dry Stack Rock Wall		
639S	579	LF	Rock Berm		
641S	12	EA	Stabilized Construction Entrance		
642S	15,832	LF	SILT FENCE FOR EROSION CONTROL		
700S-TM	1	LS	MOBILIZATION		
701S-T6	1,986	LF	TEMPORARY CONSTRUCTION FENCE, 6-FEET, Chain Link		
706S-1	4,027	LF	Bridge and Culvert Railing, Type PRD-06		
706S-2	90	LF	Bridge Railing, Type B221 MOD		
720S-A-1	5,000	LBS	Steel for Structures (CMTA Path Shelter)		
720S-A-2	7,000	LBS	Steel for Structures (Boardwalk)		
803S-CD	60	CD	BARRICADES, SIGNS AND TRAFFIC HANDLING		

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
824S	104	EA	Traffic Signs		
829S-ESW	1,193	LF	Type II Bicycle Lane Markings, 4" inches in width, white in color (Solid)(060MIL)		
871S-EBY	12,951	LF	Reflectorized Type II Paint Pavement Markings 4" inches in width, Yellow in color (Broken)(060MIL)		
871S-ESY	4,680	LF	Reflectorized Type II Paint Pavement Markings 4" inches in width, Yellow in color (Solid)(060MIL)		
SP401S-K	563	CY	Drain Aggregate for Retaining Wall		
SP411S	360	SY	Surface Finishes for Concrete		
SP414S-SF-1	274	SF	Class C Concrete (RET WALL: STA 0+00 to STA 7+00)		
SP414S-SF-2	5,320	SF	Class C Concrete (RET WALL: STA 7+00 to STA 32+00)		
SP414S-SF-3	865	SF	Class C Concrete (RET WALL: STA 32+00 to STA 52+00)		
SP414S-SF-4	7,820	SF	Class C Concrete (RET WALL: STA 52+00 to STA 168+17.21)		
SP432S-4	85	SF	CONC SIDEWLKS (4")		
SP432S-5	139,580	SF	CONC SIDEWALKS (5")		
SP432S-6	4,761	SF	CONC SIDEWALKS (6")		
SP559S-20	3	EA	Precast Concrete Box Culverts, 20 Ft. x 20 Ft.		
SP559S-14	9	EA	Precast Concrete Box Culverts, 20 Ft. x 14 Ft.		
SS7211-R	3	EA	REMOVABLE BOLLARD, 6"		
SS890S	1	LS	CAPITAL METRO REQUIREMENTS		
SS6410S	1	LS	TEMPORARY IN-CHANNEL DEWATERING SYSTEM		
SS323413-A	1	EA	PED TRUSS BRIDGE #6A - 14' X 70'		

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS323413-B	1	EA	PED TRUSS BRIDGE #7 - 14' X 200' - MOD		
SS323413-C	1	EA	PED TRUSS BRIDGE #8 - 14' X 180'		
SS323413-D	1	EA	PED TRUSS BRIDGE #9 - 14' X 100'		
SS329300-LO	11	EA	Planting Type, Live Oak, Size in inches 3"		
SS329300-CE	14	EA	Planting Type, Cedar Elm, Size in inches, 3"		

SUBTOTAL DIVISION 1 (PW): .....$_____

DIVISION 2 (AWU)

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SP559 S-8	9	EA	Precast Concrete Box Culverts, 20 Ft. x 8 Ft.		

SUBTOTAL DIVISION 2 (AWU): .....$_____

TOTAL BID: ..... $_____

In the event of a mathematical error, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder. The unit prices shown above will be the unit prices used to tabulate the Bid and used in the Contract, if awarded by the City.

Notes:

- For information pertaining to Rolling Owner Controlled Insurance Program (ROCIP), see Sections 00810 and 00820.

Optional Information on Bid Prices Submitted by Computer Printout

In lieu of handwritten unit prices in figures in ink on the Bid forms above, Bidders, at their option, may submit an original computer printout sheet bearing certification by, and signature for, the Bidding firm. The unit prices shown on acceptable printouts will be the unit prices used to tabulate the Bid and used in the Contract if awarded by the City. As a minimum, computer printouts must contain all information and in the format shown on the attached page: "Example of Bid Prices Submitted by Computer Printout" form.

If a computer printout is used, the Bidder must still execute that portion of the unit price Bid form which acknowledges the Bid Guaranty, Time of Completion, Liquidated Damages, and all addenda that may have been issued.

Bids with unit prices by computer printout may be rejected, if:

1. The computer printout does not include the required certification, set forth in the attached "Example".
2. The computer printout is not signed in the name of the firm to whom the Project Manual was issued.
3. The computer printout is non-responsive or otherwise omits required Bid items or includes items not shown on the Bid forms in the Project Manual.
4. The other required Bid documents issued by the City are not fully executed as provided above.
5. The signed Section 00300U is not returned with the signed computer printout.

If the Bid submitted by the Bidder contains both the form furnished by the City, completed according the instructions, and also a computer printout, completed according to the instructions, unit prices of only one will be considered. In this situation, the unit Bid prices shown on the computer printout will be used to determine the Bid.

BID GUARANTY: A Bid guaranty must be enclosed with this Bid, as required in Section 00020, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of NINETY (90) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

- Bidder withdraws a submitted Bid within the period stated above;
- Bidder fails to submit the required post Bid information within the period specified in Section 00100, or any mutually agreed extension of that period;
- or Bidder fails to execute the Contract and furnish the prescribed documentation (bonds, insurance, etc.) needed to complete execution of the Contract within five (5) calendar days after notice of award, or any mutually agreed extension of that period.

The Bid includes all Automobile Liability and Builder's Risk Insurance premiums required to meet the insurance limits in the Supplemental General Conditions and includes all premiums for a Performance Bond and a Payment Bond in the sum of one hundred percent of the Contract Amount. The Bid excludes all costs for the insurance coverages and limits, up to the limits set forth in the Supplemental General Conditions, duplicated by those in the ROCIP, including the costs for all proposed Subcontractors for such coverages and limits as described in the Supplemental General Conditions, and as calculated in accordance with the Insurance Cost Form, Section 00425.

The Bid also includes the cost to provide and maintain through completion of Work all necessary safety rails, barricades, platforms, fences, covers, and signs necessary to adequately protect and safeguard all vehicular and pedestrian traffic within proximity of the Work. The safety information identified in the Project Safety Manual, and in the Supplemental General Conditions, outlines the

minimum safety requirements for the Project. CONTRACTOR shall not limit the amount of effort directed toward its safety program based on the requirements identified in the Project Safety Manual. This program is in addition to CONTRACTOR's existing safety program, not in lieu of that program.

GEOTECHNICAL BASELINE ACKNOWLEDGEMENT: The undersigned bidder certifies that he/she has read and understands the Geotechnical Baseline Report (GBR), the Geotechnical Data Report, the Reflection Survey Report, and all other geological and geotechnical information and data as provided in the Contract Documents, including all Addenda. ***The Bidder acknowledges and agrees that the GBR represents the contractual statement of the subsurface conditions reasonably anticipated to be encountered during construction. The GBR will be used to evaluate whether subsurface conditions differ materially from those indicated in the GBR.***

TIME OF COMPLETION: The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to substantially complete construction of the improvements, as required by the Project Manual, Drawings and Addenda for the Work within THREE HUNDRED SIXTY-FIVE (365) Calendar Days after "Notice to Proceed". If a Substantial Completion date has been specified, the Bidder further agrees to reach Final Completion within thirty (30) Working Days after Substantial Completion as required by the Project Manual, Drawings and Addenda for the work. The Bidder further agrees that should the Bidder fail to substantially complete the Work or to finally complete the Work within the number of days indicated in the Bid or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law.

WAIVER OF ATTORNEY FEES: In submitting its bid, in consideration for the waiver of its right to attorney's fees by the OWNER, the Bidder knowingly and intentionally agrees to and shall waive the right to attorney's fees under Section 271.153 of the Texas Local Government Code in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to any Contract awarded pursuant to this solicitation process.

LIQUIDATED DAMAGES: The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder. Therefore, the Bidder and the OWNER agree that for each and every Calendar Day the Work or any portion thereof, remains incomplete after the Substantial Completion date as established by the above paragraph, "Time of Completion", payment will be due to the Owner in the amount of ONE THOUSAND FIFTY DOLLARS ($1,050.00) per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER. If both Substantial and Final Completion dates have been specified, the Bidder and the OWNER further agree that for each and every Working Day the Work or any portion thereof, remains incomplete after the Final date as established by the above paragraph, "Time of Completion", payment will be due to the OWNER in the amount of Two Hundred dollars ($200) per Working Day as liquidated damages, not as a penalty, but for delay damages to the OWNER. Such amount shall be deducted by the OWNER from any Contract payment due. In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bids).

The undersigned acknowledges receipt of the following addenda:

Addendum No. 1 dated _____ Received _____

Addendum No. 2 dated _____ Received _____

Addendum No. 3 dated _____ Received _____

Addendum No. 4 dated _____ Received _____

Addendum No. 5 dated _____ Received _____

_____
Secretary, *if Bidder is a Corporation

_____
Bidder

(Seal)

_____
Authorized Signature

_____
Title

_____
Date

_____

_____
Address

_____
Telephone Number / FAX Number

_____
Email Address for Person Signing Bid

_____
Email Address for Bidder's Primary Contact Person

* Copy of Corporate Resolution and minutes with certificate of officer of Bidder as to authority of signatory to bind Bidder is to be signed and dated no earlier than one week before Bid date, and attached to this document.

EXAMPLE: BID PRICES SUBMITTED BY COMPUTER PRINTOUT

Project Name:
CIP ID #:
IFB #:

No.	***Bid Item #***	***Bid Item Description***	***Unit***	***Qty***	***Unit Bid Price***	***Total Amount***
					Total Bid:	

(YOUR FIRM'S NAME) certifies that the unit prices shown on this completed computer printout for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its Bid will be tabulated using these unit prices and no other information from this printout. (YOUR FIRM'S NAME) acknowledges and agrees that the total bid amount shown will be read as its total bid. *In the event of a mathematical error*, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder.

Signed: _____

Title: _____

Date: _____

End

RETAINING WALL SCHEDULE

FOOTING FULLY FOUNDED IN LIMESTONE

H	T	SW	TW	HW	D	V	X	L	C	B
0'-0" TO 4'-0"	0'-10"	8"	1'-0"	1'-4"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"
4'-0" TO 6'-0"	0'-10"	8"	1'-0"	2'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"
6'-0" TO 8'-0"	1'-0"	8"	2'-0"	2'-9"	2"	#4 @ 12"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#4 @ 12"
8'-0" TO 10'-0"	1'-0"	10"	2'-0"	3'-6"	2"	#4 @ 10"	#4 @ 10"	#5 @ 10"	#4 @ 12"	#5 @ 10"
10'-0" TO 12'-0"	1'-2"	10"	2'-0"	5'-0"	2"	#5 @ 7"	#4 @ 10"	#6 @ 7"	#5 @ 12"	#5 @ 7"

FOOTING FULLY OR PARTIALLY FOUNDED IN SOIL

H	T	SW	TW	HW	D	V	X	L	C	B
0'-0" TO 3'-0"	0'-10"	8"	1'-0"	1'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"
3'-0" TO 4'-0"	0'-10"	8"	1'-6"	2'-9"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"
4'-0" TO 6'-0"	1'-0"	8"	2'-6"	4'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"
6'-0" TO 8'-0"	1'-4"	8"	3'-0"	5'-6"	2"	#4 @ 12"	#4 @ 12"	#5 @ 12"	#5 @ 12"	#4 @ 12"
8'-0" TO 10'-0"	1'-4"	10"	3'-6"	7'-0"	2"	#4 @ 10"	#4 @ 10"	#5 @ 10"	#5 @ 12"	#5 @ 10"
10'-0" TO 12'-0"	1'-6"	10"	4'-6"	8'-6"	2"	#5 @ 7"	#4 @ 10"	#6 @ 7"	#6 @ 12"	#5 @ 7"

4 ADDENDUM 4
12-11-2012

1 NO SCALE

STATE OF TEXAS
SUSAN E. SCOTT
PROFESSIONAL ENGINEER
REGISTERED
88638
12/11/2012

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AUSTIN PARKS & RECREATION

Walnut Creek Bike Trail

Retaining Wall Schedules

FED.R.D. DIV.NO.	PROJECT NO.	SHEET NO.
6		SK-1

STATE	DIST.	COUNTY
TEXAS	14	TRAVIS

CONT.	SECT.	JOB	HIGHWAY NO.
0914	04	191	VA

STATE OF TEXAS
SUSAN E. SCOTT
88638
REGISTERED
PROFESSIONAL ENGINEER
12/11/2012

RETAINING WALL SCHEDULE

FOOTING FULLY FOUNDED IN LIMESTONE

H	T	SW	HW	D	V	X	L	C	B	K1	K2
0'-0" TO 6'-0"	0'-10"	8"	0'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	0'-0"	0'-0"
6'-0" TO 8'-0"	1'-0"	8"	0'-0"	2"	#4 @ 12"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#4 @ 12"	1'-0"	0'-8"
8'-0" TO 10'-0"	1'-1"	10"	1'-6"	2"	#4 @ 10"	#4 @ 10"	#5 @ 10"	#4 @ 12"	#4 @ 10"	1'-0"	0'-8"
10'-0" TO 12'-0"	1'-2"	10"	2'-6"	2"	#5 @ 7"	#4 @ 10"	#6 @ 7"	#5 @ 12"	#4 @ 7"	1'-0"	0'-10"

FOOTING FULLY OR PARTIALLY FOUNDED IN SOIL

H	T	SW	HW	D	V	X	L	C	B	K1	K2
0'-0" TO 4'-0"	0'-10"	8"	0'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	0'-0"	0'-0"
4'-0" TO 6'-0"	0'-10"	8"	1'-0"	2"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	1'-0"	0'-8"
6'-0" TO 8'-0"	1'-0"	8"	2'-6"	2"	#4 @ 12"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#4 @ 12"	1'-6"	1'-6"
8'-0" TO 10'-0"	1'-2"	10"	4'-6"	2"	#4 @ 10"	#4 @ 10"	#5 @ 10"	#5 @ 12"	#5 @ 10"	2'-0"	2'-0"
10'-0" TO 12'-0"	1'-2"	10"	6'-0"	2"	#5 @ 7"	#4 @ 10"	#6 @ 7"	#5 @ 12"	#5 @ 7"	2'-6"	2'-6"

2 NO SCALE

4 ADDENDUM 4
12-11-2012

ENCOTECH
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AUSTIN PARKS & RECREATION

Walnut Creek Bike Trail

Retaining Wall Schedules

FED.RD. DIV.NO.	PROJECT NO.	SHEET NO.
6		SK-2
STATE	DIST.	COUNTY
TEXAS	14	TRAVIS
CONT.	SECT.	JOB	HIGHWAY NO.
0914	04	191	VA

ADDENDUM 4

SP-2007-0364C

RETAINING WALL DESIGN SAFETY FACTORS

TRAIL ABOVE GRADE

FOOTING FULLY FOUNDED IN LIMESTONE

H	OT		SLIDING		BEARING PRESSURE (PSF)		
	ACTUAL	MIN.	ACTUAL	MIN.	TOE	HEEL	ALLOWABLE
0'-0" TO 4'-0"	2.57	1.50	1.94	1.50	834.8	113.0	4000
4'-0" TO 6'-0"	2.04	1.50	1.70	1.50	1476.4	0.0	4000
6'-0" TO 8'-0"	2.55	1.50	1.70	1.50	1298.8	245.2	4000
8'-0" TO 10'-0"	2.53	1.50	1.66	1.50	1822.0	138.2	4000
10'-0" TO 12'-0"	2.60	2.00	1.81	1.50	2222.0	253.5	4000

FOOTING FULLY OR PARTIALLY FOUNDED IN SOIL

H	OT		SLIDING		BEARING PRESSURE (PSF)		
	ACTUAL	MIN.	ACTUAL	MIN.	TOE	HEEL	ALLOWABLE
0'-0" TO 3'-0"	2.64	2.00	1.63	1.50	621.0	119.0	2500
3'-0" TO 4'-0"	6.88	2.00	1.58	1.50	432.6	522.7	2500
4'-0" TO 6'-0"	7.07	2.00	1.54	1.50	490.9	763.6	2500
6'-0" TO 8'-0"	6.74	2.00	1.54	1.50	710.9	973.7	2500
8'-0" TO 10'-0"	7.10	2.00	1.58	1.50	837.9	1197.1	2500
10'-0" TO 12'-0"	7.24	2.00	1.56	1.50	890.2	1444.0	2500

4 ADDENDUM 4
12-11-2012

4 NO SCALE

STATE OF TEXAS
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AUSTIN PARKS & RECREATION

Walnut Creek Bike Trail

Retaining Wall Schedules

F.A.P.R.O. CONT. NO.	PROJECT NO.	SHEET NO.
6		SK-3

STATE	DIST.	COUNTY
TEXAS	14	TRAVIS

CONT.	SECT.	JOB	HIGHWAY NO.
0914	04	191	VA

RETAINING WALL DESIGN SAFETY FACTORS

TRAIL BELOW GRADE

FOOTING FULLY FOUNDED IN LIMESTONE

H	OT		SLIDING		BEARING PRESSURE (PSF)		
	ACTUAL	MIN.	ACTUAL	MIN.	TOE	HEEL	ALLOWABLE
0'-0" TO 6'-0"	11.70	1.50	1.82	1.50	101.3	230.5	4000
6'-0" TO 8'-0"	6.54	1.50	1.54	1.50	159.2	263.5	4000
8'-0" TO 10'-0"	6.41	1.50	1.57	1.50	112.5	588.0	4000
10'-0" TO 12'-0"	5.98	1.50	1.56	1.50	122.5	808.7	4000

FOOTING FULLY OR PARTIALLY FOUNDED IN SOIL

H	OT		SLIDING		BEARING PRESSURE (PSF)		
	ACTUAL	MIN.	ACTUAL	MIN.	TOE	HEEL	ALLOWABLE
0'-0" TO 4'-0"	29.28	2.00	1.94	1.50	92.4	212.1	2500
4'-0" TO 6'-0"	18.40	2.00	1.52	1.50	32.0	384.6	2500
6'-0" TO 8'-0"	16.21	2.00	1.55	1.50	0.0	701.1	2500
8'-0" TO 10'-0"	13.80	2.00	1.52	1.50	0.0	1161.0	2500
10'-0" TO 12'-0"	12.80	2.00	1.53	1.50	0.0	1494.0	2500

NOTE:
ACTIVE PRESSURES USED WERE MAXIMUM ACTIVE PRESSURES FROM GEOTECHNICAL REPORT DESCRIBED IN GENERAL NOTES.
PASSIVE PRESSURES WERE MINIMUM PRESSURES FROM REPORT.

4 NO SCALE

4 ADDENDUM 4
12-11-2012

STATE OF TEXAS
SUSAN E. SCOTT
88638
REGISTERED PROFESSIONAL ENGINEER
12/11/2012

ENGEOTECH
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TBPE Firm No. 3144 • www.engeotech-geotech.com

Walnut Creek Bike Trail

AUSTIN PARKS & RECREATION

Retaining Wall Schedules

FED.RD. DIV.NO.	PROJECT NO.	SHEET NO.
6		SK-4
STATE	DIST.	COUNTY
TEXAS	14	TRAVIS
CONT.	SECT.	JOB	HIGHWAY NO.
0914	04	191	VA

ADDENDUM 4

SP-2007-0364C

City of Austin
PUBLIC WORKS DEPARTMENT
Project Management Division
505 Barton Springs Road, Suite 900, Austin, TX 78704
Phone 512.974.7730 Fax 512.974.2222 Richard.duane@austintexas.gov

December 11, 2012

PROJECT: North Walnut Creek Trail Bike Improvements

CIP ID: 5261.001

IFB# 6100 CLMC395

SUBJECT: Answers to Bidder's Questions from November 7, 2012 to December 4, and revised answers based on addendum 4 per 00100-IFB Article
1.(3) (C).

Q-1: Under which line item is the pedestrian shelter under Capitol Metro paid in the 300u?

A-1: The shelter is not part of the contract and will be change ordered into the project.
A-1.Revised: See addendum 4.

Q-2: Under which line item is the structural steel for the boardwalk section paid in the 300u?

A-2: The structural steel is not part of the contract and will be change ordered into the project.
A-2.Revised: See addendum 4.

Q-3: Under which line item are the limestone pavers for the trailheads paid in the 300u?

A-3: The limestone pavers are not part of the contract and will be change ordered into the project.
A-3.Revised: See addendum 4.

Q-4: Under which line item is the concrete finishing at the trailheads paid in the 300u?

A-4: The bidder's attention is directed to SP-411S.

Q-5: Which bike handrail should be used for this project?

A-5: As specified in the plans, TEXDOT Standard Handrail PRD-12A Type E shall be used. There is 90 feet of Bicycle Railing Type B221 (mod) that is not part of the contract and will be change ordered into the contract.
A-5.Revised: See addendum 4.

Q-6: Which finish shall be used on the bridges?

A-6: Per SS-323413 article 2.3 materials paragraph A weathering steel or hot dip galvanized (G90 or better) shall be used depending on the type of bridge provided.

Q-7: Under which line item are bridges 1 through 5 paid in the 300u?

A-7: The bidder's attention is directed to 403s for cast in place structures and SP-559S for precast structures.
A-7.Revised: See addendum 4.

Q-8: Under which line item is the clsm for bridge 3 paid in the 300u?

A-8: The clsm is not part of the contract and will be change ordered into the project.
A-8.Revised: Clsm is subsidiary to the pay item for which it is included.

Q-9: Are the prefabricated bridges to be Pratt type trusses?

A-9: Truss type is not specified.

Q-10: Should the truss height and member sizes match for the two spans that make up the 200' bridge # 7?
A-10: All spans for all bridges shall match.

Q-11: Are there any Karst features or environmentally sensitive areas?

A-11: Any Karst features or environmentally sensitive areas are labeled in the plans.

Q-12: Is the minimum footing depth to the top of the footer and the maximum footing depth to the bottom of the footer?

A-12: No, The maximum and minimum lines depict variations of footing thickness based on wall height.

Q-13: Does the retaining wall exceed 9 feet?

A-13: Between Station 16+50 and 17+50 the retaining wall exceeds 9 feet in height. This portion of the wall is not part of the contract and will be change ordered into the project.
A-13.Revised: See Addendum 4.

Q-14: Under which line item is the concrete traffic barrier and footing paid in the 300u?

A-14: The concrete traffic barrier and footer are not part of this contract and if required will be change ordered into the project.
A-14.Revised: It is anticipated that the contractor may construct the project without impact to the traffic barrier.

Q-15: We have sq. ft. on bid sheet for quantities on sod & native seeding but no hatch or symbol on plans for irrigation take off. Do we use watering quantities on bid sheet for irrigation?

A-15: Bid all items per the 300u.

Q-16: Plan legend has 604S only. Bid sheet has 609S & 604S. Where is the 609S on plans?

A-16: 602s-d Buffalo sod is not part of this contract and will be change ordered into the project.
A-16.Revised: See addendum 4.

Q-17: Under which item is concrete demolition for bridge 2 paid in the 300u?

A-17: The concrete demolition of bridge 2 is not part of the contract and will be change ordered into the project.
A-17.Revised: See addendum 4.

Q-18: Pier size on the plans does not match pier size in the 300u?

A-18: Bid all items per the 300u.
A-18.Revised: See addendum 4.

Richard Duane
Project Manager

c: Carl Holiday, PE, Encotech Inc.
project file

Nothing Follows