

**ADDENDUM NUMBER TWO**

**GOODWIN ROAD EXTENSION AND JENKINS ROAD AT IGOU GAP ROAD  
INTERSECTION IMPROVEMENTS  
CONTRACT NUMBER E-03-027**

**CITY OF CHATTANOOGA, TENNESSEE**

**The following changes and clarifications shall be made to the Contract Documents:**

**I. Contract Documents:**

The Bid Opening Date has been revised to: 2:00 p.m., local time, on August 15th, 2013.

The bid schedule pages 301-2 through 301-7 are replaced with pages 301-2A2 through 301-7A2, attached. Various bid items have been revised or added.

The Prebid minutes are attached and hereby made a part of the contract documents.

**II. Plans:**

Landscape Plans L-01 through L-03 are reissued without contours, for clarity.

**III. Clarifications:**

○ A clarification was requested concerning the Hexicrete that is specified in the RCC specification. The Hexicrete admixture will not be required.

○ A clarification was requested concerning the rideability requirement of the diamond ground RCC alternate pavement section (Item 011-2F).

Pavement Alternate Item 011-2F states that the surface will be diamond ground in accordance with TDOT rideability requirements for 45 mph roadway. The intent is that the roadway be diamond ground to a profile index of 20 in./mile (maximum). If this pavement section is utilized, the City of Chattanooga will coordinate with TDOT to perform the Rainhart Profilograph test or Roadway Profiler test. The Contractor will not be charged for the test.

○ A clarification was requested concerning when a pavement section would be decided upon and if more than one pavement section would be utilized.

The City will determine the pavement section utilized on the entire project by 14 days after the beginning of mass grading. If the City of Chattanooga elects to utilize more than one pavement section, in different areas of the project, the Contractor will be paid a proportional amount of the earthwork line item associated with the alternate pavement sections utilized, based on the percentage of total.

Date: Aug 5, 2013

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Lee Norris, Administrator  
City of Chattanooga  
Department of Public Works

**CITY OF CHATTANOOGA, TENNESSEE  
GOODWIN ROAD EXTENSION AND JENKINS ROAD AT IGOU GAP ROAD  
INTERSECTION IMPROVEMENTS  
CONTRACT NUMBER E-03-027  
PREBID MEETING NOTES  
Aug 2<sup>nd</sup>, 2013, 10:00 a.m.**

The following are the notes taken from the Prebid Meeting for the above Project held 8/2/13 at 10:00.m. local time at the City Purchasing Office, City Hall. The notes are based on my notes taken at the meeting; if they fail to represent actual discussions, please contact me as soon as possible with additions or corrections.

General Bidding Procedure Items:

- Sign – in sheet: make clear enough to read, e-mail very important (to send and receive addendums) along with name, company, and phone number.
- There will be an addendum by engineering covering the minutes of this meeting – to be sent out ASAP, which will become a part of the contract documents.
- Any and all questions concerning this project to be e-mailed to the purchasing department (David Carmody). It will be forward to the proper engineer/architect/public works for answers and approvals. Then an addendum will be forward to all plan holders so all can be informed equally with no advantage to anyone. All addendums will also be placed on the city website – under bid openings.
- Questions for further information will be due by close of business August 8<sup>th</sup> at 4:00 pm Eastern Time. This will allow time to get out addendum before the bid opening.
- The bid date is being moved from August 13<sup>th</sup> to August 15<sup>th</sup>, 2013 at 2:00 pm – purchase conference room – city hall.
- As stated for bid package: one (1) original – two (2) copies of required documents. Do not return the complete spec book.
- List all applicable TN licensed subcontractors on outside of envelope for all four categories: electrical, plumbing, HVAC, and masonry. This is for any dollar amount. Any bids that are not in compliance will be considered void and unacceptable.
- An attendees list will be attached to meeting minutes.

Eric Booker Comments:

- Eric Booker discussed the project limits.
- He discussed the utility relocation areas. TAWC is not currently planning to install a new line on the new portion of Goodwin, but it is a possibility.

- He went through the relevant project timeline and the dates spelled out in Section 500 of the contract documents.

## Chris Davis Comments:

- Chris Davis also discussed the project timeline.
- He discussed the major bid items including: common and borrow excavation, rock excavation, concrete pavement, sidewalk, RCC pavement, asphalt pavement, unclassified demo, landscaping, two types of sod, and various alternate pavement sections.
- It was noted that there is a 4' landscape berm on a portion of the north side and a 5' landscape berm on a portion of the south side, where the new roadway passes next to an existing subdivision. It was noted that borrow material will be needed. It was also noted that topsoil free of large roots can be used in the landscape berms.
- It was noted that only approved topsoil can be used under the sod, and if acceptable onsite topsoil was available, it would have to be screen to remove any roots.
- It was noted that the permanent seeding (item 035-1) and fescue sod ( item SI-2480-1) include topsoil. The sand grown sod (item SI-2935-2) is installed over the bioretention media, which is a sand gravel topsoil mixture.
- It was noted that some bid items in the bid are essentially contingencies such as undercut and removal of unsuitable soils, surge stone installation to bridge soft areas, and soil-cement base (subgrade improvement).
- It was noted that the unclassified demo (item 015-1) includes demo of any pavement, pipes, walls, etc. within the project limits, and Dennis Malone pointed out that these are some ballfield facilities, such as block dugouts at the existing school site that will have to be removed. Coordination will be required with the Hamilton County School's contractor, which will be building a new school at the location of the existing school.
- It was noted that there is a separate line item to demo the Hair Port building on the northeast corner of Igou Gap Road at Jenkins Road. This line item includes the relocation of the electric service.
- Eric Booker requested that the removal of the temporary traffic runaround at the Hair Port property be included in the line item to demo the building.
- It was noted that guardrail and guardrail terminal bid items will be added to the bid for the guardrail required at the TVA tower roundabout.

## Questions/Clarifications:

- It was requested that the rock excavation be split into two items, mass rock and trench rock.
- Dennis Malone clarified that the concrete pavement at the roundabouts, per sheet TS-02, shall be granite concrete. *Please notice also that the roundabout concrete shall be transverse grooved.*
- Chris Davis stated that it was the pavement designer's recommendation that the RCC be sawcut, but not the asphalt binder or surface.
- A clarification was requested concerning the Hexicrete that is specified in the RCC.

- A clarification was requested concerning the rideability requirement of the diamond ground RCC alternate pavement section.
- A clarification was requested concerning when a pavement section would be decided upon and if more than one pavement section would be utilized.
- A request was made to put the plans on the City FTP site for contract use.







**GOODWIN ROAD EXTENSION AND JENKINS ROAD AT IGOU GAP ROAD INTERSECTION IMPROVEMENTS**  
**CONTRACT NUMBER E-03-027**

Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
001-1	Common and/or Borrow Excavation and Embankment	LS	1		
001-2	Undercut and Removal of Unsuitable Material	CY	400		
001-3	Backfill and Compact under cut areas with mineral aggregate stone base (33-P)	CY	400		
<b>001-4</b>	<b>Mass Rock Excavation</b>	<b>CY</b>	<b>1080</b>		
<b>001-5</b>	<b>Trench Rock Excavation (pipe and bioswale quantities)</b>	<b>CY</b>	<b>720</b>		
001-6	Surge Stone installation to bridge soft areas	Ton	750		
003-1	<b>8" Class "A" Concrete Roadway Including, excavation, granite concrete, dowel and tie bars, joint sealing, transverse grooved, etc. (Complete-In-Place)</b>	SF	58600		
003-2	6" Concrete driveway aprons, including excavation, stone base, reinforcing steel, etc. per SD-202.02 (Complete-In-Place)	SF	1512		
003-3	Handicap ramps per SD-205.01, SD-205.02, and DT-01	EA	25		
003-4	Concrete Bicycle Ramps	EA	11		
003-6	8" Stamped Concrete Truck Apron (colored red) including exc., concrete, dowel bars, joint sealing, etc.	SF	8220		
003-7	4" Natural Concrete Sidewalk Including excavation, concrete base stone (2" thickness), etc. (Complete-In-Place)	SF	40400		
003-8	6" Concrete Splitter Island	SF	5606		
003-9	6" Concrete driveway tie-in (behind apron), including excavation, stone base, etc. per SD-703.01 (Complete-In-Place)	SF	170		
003-10	Colored concrete manhole collar	EA	1		
005-1	Relocate Sanitary Sewer Service Line Including 4" PVC Pipe Fittings, Exc. Bedding, Stone Backfill etc (complete-in-place)	LF	100		
005-2	Sanitary Sewer Cleanout Assembly (complete-in-place)	EA	3		
011-1	6" Roller Compacted Concrete Base	SF	121800		
012-1	1-1/2" Asphalt Surface -- See new City Spec. Item 12 (1/2-inch Nominal Aggregate Size JMF)	SF	147800		
012-2	3-1/2" Asphalt Binder -- See new City Spec. Item 12 (1 1/2-inch Nominal Aggregate Size JMF)	SF	121800		
012-3	Asphalt driveway tie-ins (behind apron) including excavation, mineral aggregate base, binder and surface asphalt, etc. Pavement Sch per City Std. SD-703.01 (Complete-In-Place)	SF	2900		
012-4	Prime Coat	SY	13535		
012-5	Tack Coat	SY	16333		
015-1	Unclassified demolition of existing pavement, curbs, sidewalks, walls, fences, conc. slabs, parking areas, pipes, and drainage structures. Include removal, disposal and sawcutting where necessary	LS	1		

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Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
015-2	Building demolition of Hair Port, Igou Gap at Jenkins Rd, including all necessary permits and utility disconnects	LS	1		
015-3	Removal of temporary traffic control runaround at the NE corner of Igou Gap Rd. and Jenkins Rd.	LS	1		
017-1	Type "A" Concrete Curb & Gutter (SD-202.01) Concrete & Base Stone (complete-in-place)	LF	8670		
017-3	2'-3" Truck Apron Curb	LF	970		
017-4	12" Mountable Curb (Splitter and central island)	LF	2312		
017-5	24" Wide x 8" Drop Curb, Sta. 121+16 to 131+83	LF	1067		
019-1	Tree and Stump Removal within the Project Limits	LS	1		
031-1	15" RCP Class III. Including excavation, bedding, backfill, connections to MH's, etc. (complete-in-place)	LF	1756		
031-2	18" RCP Class III. Including excavation, bedding, backfill, connections to MH's, etc. (complete-in-place)	LF	682		
031-3	24" RCP Class III. Including excavation, bedding, backfill, connections to MH's, etc. (complete-in-place)	LF	68		
031-4	30" RCP Class III. Including excavation, bedding, backfill, connections to MH's, etc. (complete-in-place)	LF	210		
031-5	36" RCP Class III. Including excavation, bedding, backfill, connections to MH's, etc. (complete-in-place)	LF	94		
031-5	8' x 4' Concrete Box Culvert including excavation, backfill, etc. (complete-in-place)	LF	146		
031-6	24" CMP for Temporary Runaround at Igou Gap / Jenkins Rd. <b>(including installation and removal)</b>	LF	70		
034-1	Eccentric Curb Inlet (per SD-610.01 thru SD-610.04) 4' DIA Including excavation, backfill, foundation, reinforcing steel, etc (complete-in-place)	EA	26		
034-2	Low Point Curb Inlet (per SD-610.01 thru SD-610.04) 4' DIA Including excavation, backfill, foundation, reinforcing steel, etc (complete-in-place)	EA	10		
034-3	Manhole / Junction Box, SD-600.01 - 4' DIA Including frame & cover, excavation, backfill, foundation, reinf. steel, etc.(complete-in-place)	EA	3		
034-4	Manhole / Junction Box, SD-600.01 - 5' DIA Including frame & cover, excavation, backfill, foundation, reinf. steel, etc.(complete-in-place)	EA	1		
034-5	Manhole / Junction Box, SD-600.01 - 7' DIA Including frame & cover, excavation, backfill, foundation, reinf. steel, etc.(complete-in-place)	EA	1		
034-6	Drop Inlet, SD-606.01 and SD-607.01 - 4' DIA Including frame & cover, excavation, backfill, foundation, reinf. steel, etc.(complete-in-place)	EA	3		
034-7	Box Culvert Headwall with wingwalls (See TDOT STD-15-09)	EA	4		

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Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
	thru STD-15-12 and STD-15-25 thru STD-15-29) Including excavation, backfill, foundation, reinforcing, steel etc (complete-in-place)				
034-8	15" Concrete flared end section (per SD-605.01)	EA	7		
034-9	18" Concrete flared end section (per SD-605.01)	EA	1		
034-10	36" Concrete "U" End Wall (per TDOT Std D-PE-3B(1)	EA	2		
034-11	15" Safety End Section (per TDOT Std D-PE-6B (1) and (2)	EA	7		
034-12	18" Concrete Type-W End Wall (per SD-604.01)	EA	1		
034-13	30" Concrete Type-W End Wall (per SD-604.01)	EA	1		
034-14	36" Concrete Type-W End Wall (per SD-604.01)	EA	1		
034-15	Convert MH to Eccentric Curb Inlet	EA	2		
034-16	Build Eccentric Curb Inlet (per SD-610.01 thru SD-610.04) 4' DIA on Box Culvert Including excavation, backfill, foundation, reinf. steel, etc. (Struc. C-2 and C-3) (complete-in-place)	EA	2		
034-16	Adjusting Existing Manhole Frames and Covers, Inlets, and Catch Basins to proposed line and grade	EA	4		
035-1	Topsoil, (permanent) Seeding and Mulching including exc, backfill, foundation, 3" approved topsoil, fertilizer, seed and mulch inside constr. limits (complete-in-place)	SY	22000		
074-2	Truncated Dome blocks, 12"x12" grouted in place (manf. by ECG Inc. See DT-01 and Spec. Appendix-A)	SF	390		
075-1	Milling of Asphalt roadway ( 1.5" below finish grade)	SF	26000		
098-1	Erosion Control Inlet Protection - Silt-Saver, Siltsack, Gutterbuddy, or as directed by City Storm Water Dept (Complete-In-Place)	EA	44		
098-2	Sediment Filter Bag	EA	1		
098-3	Rock Silt Screen	EA	5		
098-4	Rock Check Dam	EA	4		
098-5	Outlet Protection - Machined Riprap Class A1	Ton	20		
098-6	Outlet Protection - Machined Riprap Class A1	Ton	100		
098-7	Outlet Protection - Machined Riprap Class A1	Ton	33		
098-8	High Visibility Fence	LF	600		
098-9	Erosion Control, including silt soxx, diversion dikes, temp. seeding, etc. as shown on the erosion control plans and as directed by City Storm Water Dept.(complete-in-place)	LS	1		
100-1	Traffic Control Including Barrels with Lights and Type III Barricades with flashers, Per MUTCD and provided traffic control plan.	LS	1		
100-2	Traffic Control Temporary Signage (per sign)	EA	50		

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Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
100-3	Special Traffic Control Detour Signs as directed by the City	SF	30	_____	_____
100-4	Additional Type III Barricades with flashers as directed by City	EA	2	_____	_____
100-5	Additional Traffic Control Barrels with Lights	EA	10	_____	_____
100-6	Early installation and maintenance of traffic control devices, per provided traffic control plan for the purpose of utility relocation.	Month	1	_____	_____
* 303-01	Mineral Aggregate (TDOT 303-01) Runaround and other Locations as directed by the Engineer for Traffic Control	TON	200	_____	_____
* 304-01	Soil-Cement Base - including 67.5 lb. Portland Cement / SY and processing to a depth of 9" (subgrade improvement)	SY	4000	_____	_____
* 309-01	Aggregate-Cement Base 4" thickness (under ready mix conc. pvmt, truck apron, conc. islands) 5% PC by dry unit weight	SF	76920	_____	_____
* 705-02.02	<b>Single Guardrail (Type 2) per TDOT S-GR-13 and S-GR-18</b>	<b>LF</b>	<b>220</b>	_____	_____
* 705-04.03	<b>Guardrail Terminal (Type 13) per TDOT S-GR-19C</b>	<b>EA</b>	<b>1</b>	_____	_____
* 705-04.05	<b>Guardrail Terminal (Type In-Line) per TDOT S-GR-18</b>	<b>EA</b>	<b>1</b>	_____	_____
717-1	Mobilization, including bid bond, performance bond, payment bond, etc.	LS	1	_____	_____
717-2	Early staking of all drainage structures, and Proposed R.O.W. at both Jenkins Rd Intersections (Batters Place and Igou Gap, complete by 9/02/13 for the purpose of utility relocation.	LS	1	_____	_____
1000-1	Permanent Signage per SM-01 thru SM-10 (Complete in place)	LS	1	_____	_____
1000-2	Permanent Thermoplastic Pavement Markings per SM-01 thru SM-10 (Complete in place)	LS	1	_____	_____
1000-3	Temporary Pavement Marking	LF	2000	_____	_____
1000-4	Office Trailer - Small (location to be determined)	LS	1	_____	_____
2810-1	Landscaping- ARO complete in place	EA	20	_____	_____
2810-2	Landscaping- ASM complete in place	EA	1	_____	_____
2810-3	Landscaping- BND complete in place	EA	15	_____	_____
2810-4	Landscaping- IFS complete in place	EA	100	_____	_____
2810-5	Landscaping- ILA complete in place	EA	91	_____	_____
2810-6	Landscaping- INS complete in place	EA	86	_____	_____
2810-7	Landscaping- LSA complete in place	EA	3	_____	_____
2810-8	Landscaping- QNI complete in place	EA	3	_____	_____
2810-9	Landscaping- QPS complete in place	EA	9	_____	_____
2810-10	Landscaping- UPN complete in place	EA	7	_____	_____
2810-11	4" shredded hardwood bark mulch complete in place	SY	143	_____	_____

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Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
2810-12	All Landscaping for Stream Relocation per DT-03	LS	1	_____	_____
2820-1	Landscaping Maintenance per specification, to be paid out of retainage per month after substantial completion	MO	12	_____	_____
<u>Supplemental Information</u>					
SI-2245-1	Landscape boulders and stone outlet treatment (complete in place)	TON	270	_____	_____
SI-2480-1	Fescue sod including 4" approved topsoil, (complete in place)	SY	6150	_____	_____
SI-2700-1	8" Perforated HDPE (N-12) Pipe Including excavation, fittings, connections to cleanouts, etc. (complete-in-place)	LF	1300	_____	_____
SI-2700-2	8" Solid HDPE (N-12) Pipe Including excavation, bedding, backfill, fittings, connections, etc. (complete-in-place)	LF	90	_____	_____
SI-2700-3	Filter Fabric (Bioswale and underdrain quantity only) woven monofilament (see DT-02) (complete in place)	SY	4800	_____	_____
SI-2700-4	#57 Stone (underdrain and 12" x 24" diaphragm quantities only)	Ton	210	_____	_____
SI-2935-1	24" Bioretention Media (In-place quantity)	CY	1240	_____	_____
SI-2935-2	Sand-grown fescue sod, complete in place (Above bioretention media)	SY	2025	_____	_____
<b>TOTAL BASE BID - CONTRACT # E-03-044</b>				_____	_____

**PAVEMENT ALTERNATE A (ASPHALT PVMT W/ CTB)**

001-1A	Add/Deduct Earthwork associated with Alternate A	LS	1	_____	_____
* 309-01A	Aggregate-Cement Base 9" thickness (in-lieu of 6" RCC) 5% PC by dry unit weight	SF	121800	_____	_____

**PAVEMENT ALTERNATE B (FULL DEPTH ASPHALT PVMT)**

012-6B	Bituminous Plant Mix Base 6" Thickness (in-lieu of 6" RCC) - See new City Spec. Item 12 (1½-inch Nominal Aggregate Size JMF)	SF	121800	_____	_____
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**PAVEMENT ALTERNATE C (Asphalt Pvm. w/ Min. Agg. Base)**

001-1C	Add/Deduct Earthwork associated with Alternate C	LS	1	_____	_____
* 303-01C	Mineral Aggregate Base, Type A Grading D, 15" Thickness (in-lieu of 6" RCC)	SF	121800	_____	_____

**PAVEMENT ALTERNATE D (9" Full Depth RCC Pavement with Diamond Ground Surface)**

001-1D	Add/Deduct Earthwork associated with Alternate D	LS	1	_____	_____
011-2D	9.5" Roller Compacted Concrete Pavement (diamond grind to 9" min.) Including diamond grinding for rideability in accordance with TDOT rideability requirements for 45 mph roadway	SF	121800	_____	_____

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Item Number	Item Description	Unit	Quantity	Unit Price	Total For Item
<b>PAVEMENT ALTERNATE E (8" RCC Pavement with 1.5" Asphalt Surface)</b>					
001-1E	Add/Deduct Earthwork associated with Alternate D	LS	1		
011-3E	8" Roller Compacted Concrete Pavement	SF	121800		
012-1E	1-1/2" Asphalt Surface -- See new City Spec. Item 12 (1/2-inch Nominal Aggregate Size JMF)	SF	121800		
<b>PAVEMENT ALTERNATE F (7.5" RCC Pavement with Diamond Ground Surface and 4" CTB)</b>					
001-1F	Add/Deduct Earthwork associated with Alternate D	LS	1		
011-2F	8" Roller Compacted Concrete Pavement (diamond grind to 7.5" min.) Including diamond grinding for rideability in accordance with TDOT rideability requirements for 45 mph roadway	SF	121800		
* 309-01F	Aggregate-Cement Base 4" thickness 5% PC by dry unit weight	SF	121800		
<b>PAVEMENT ALTERNATE G (6.5" RCC Pavement with 1.5" Asphalt Surface and 4" CTB)</b>					
001-1G	Add/Deduct Earthwork associated with Alternate D	LS	1		
011-3G	6.5" Roller Compacted Concrete Pavement	SF	121800		
012-1G	1-1/2" Asphalt Surface -- See new City Spec. Item 12 (1/2-inch Nominal Aggregate Size JMF)	SF	121800		
* 309-01G	Aggregate-Cement Base 4" thickness 5% PC by dry unit weight	SF	121800		

\* Denotes line item utilizing TDOT specifications

## ATTENDING PRE-BID CONFERENCE

Bid/Proposal Number: 302860

Construction for: Goodwin Road Extension & Jenkins /  
Igo Gap Rd Improvements

Opening Date 08/13/2013

Pre-Bid 08/02/2013

Name & Company	E-Mail	Phone #	Fax #
MELVIN DOWNS EARTHWORK LLC	<u>melvin.downs@earthworkllc</u>	(423) 892-4780	(423) 954-9743
Dave Sherrill Stein Const.	<u>dsherrill@steinbuilds</u>	(423) 595-2509	(423) 624-1882
SCOTT SAMPLES Talley Const.	<u>samples@talley construction.net</u>	706-866-556	706-866-0624
BO MURPHY Talley Construction	<u>bo@TalleyConstruction .net</u>	706-866-0594	706-866-0624
CHRIS CONRAD L. I. Smith & Assoc.	<u>conrad@lismith.com</u>	731-336-2367	731-644-0109
FRANK GEISMAR Brown Bros	<u>fgeismar@gmail.com</u>	893 9595 423-771-4713	893 9660
Grady Stout	<u>grady.stout@amwater.com</u>		
Tim MURPHY	<u>TM4644@ATT.COM</u>	423-752-9144	N/A
Chris Davis	<u>chris.davis@volkeri.com</u>	423-842-3335	
DAVID CARMODY	<u>carmony-d@chattanooga.gov</u>	423-757-5190	
ERIC BOOKE	<u>booker_e@chattanooga.gov</u>	643-6165	
AARON SMITH	<u>subgrade@ comcast.net</u>	413-842-6233	549

