

June 12, 2014
ADDENDUM NO. 1
WOODS CHAPEL ROAD IMPROVEMENTS
NW CASTLE DRIVE TO WALNUT STREET
903 W. Main Street
Blue Springs, Missouri
Project No. 08-08-02

The conditions set forth in this Addendum shall become a part of the Contract Documents for the above noted Contract. It shall be attached to the Bid Form of the Contract Specifications and acknowledgment of its receipt shall be noted in the space provided on the Bid Form.

Addendum Item No. 1

The intent of this addendum is to define changes to the Contract Documents as advertised May 15, 2014 as noted below.

Attachments:

- **Meeting Minutes, Pre-Bid Meeting, June 11, 2014, 2:00 PM**
 - o Minutes include questions asked at meeting and responses to those questions.
 - o Sign In Sheet
- **Revised Bid Form**
 - o Bid Form has been revised as noted below. There is a new bid item, so the old form is no longer valid. Replace the current Bid Form with the Bid Form included with this addendum.
 - o Bid Form is provided in Excel Format as well as PDF.
 - o Bid Items Revised:
 - Item # 24 – Add 12" Eccentric Plug Valve (Force Main) – 2 Each.
 - Item #25 - Delete 16" Ball Valve – Replace with 16" Eccentric Plug Valve (Force Main) – 2 Each.
 - All items beyond # 24 have been renumbered to accommodate the addition of the 12" Eccentric Plug Valve.
- **Plan Sheet 17 revised to show approximate location of tree protection fencing.**
- **Force Main Plan Sheets (107 and 109)**
 - o Replace the 16" Ball Valve with 16" Eccentric Plug Valve (2 locations)
 - o Replace the 12" Ball Valve with 16" Eccentric Plug Valve (2 locations)
- **Revised the following JSP's -**
 - o JSP Z – Portland Cement Concrete – This JSP modifies the concrete specification to comply with KCMMB specifications for concrete curbs, sidewalks and driveways. All structural concrete shall remain per plan as Class B-1.
 - o JSP AA – Eccentric Plug Valve Spec – This JSP is for the sanitary sewer force main valves. The plans call for 12-inch and 16-inch ball valves. These are being replaced with eccentric plug valves.
- **CAD Files – See Meeting Minutes for conditions of use**
 - o Cross Section Master file
 - Cross Section Files – AutoCAD.zip
 - Cross Section Files – Microstation.zip
 - o Erosion Control Sheets
 - Erosion Control and Grading Plan Files – AutoCAD.zip
 - Erosion Control and Grading Plan Files – Microstation.zip

WOODS CHAPEL ROAD IMPROVEMENTS NW CASTLE DRIVE TO WALNUT STREET

Jackson County STP-1200 (405)
TranSystems Project No. P101110328
PRE-BID CONFERENCE - TRANSYSTEMS
2400 Pershing Road, Suite 400
Kansas City, MO 64108

AGENDA/MINUTES
June 11, 2014 - 2:00 PM

1) INTRODUCTIONS – Meeting began at 2:00 with introductions (see sign in sheet for attendees list)

- a. **City of Blue Springs**
- b. **TranSystems**
- c. **MoDOT**
- d. **KCS**
- e. **Utilities:**

1. Barb Brown - Construction Coordinator	Comcast 3400 W. Duncan Road Blue Springs, mo 64015	816-795-2255 816-918-2734 (cell) 816-795-2257	Barb_Brown@comcast.com Steve_Cromwell@comcast.com
1. Steve Cromwell			
2. Becca Orr	Missouri Gas Energy 3025 S.E. Clover Drive Lee's Summit, MO 64082	816-969-2230	Becca.Orr@thelaclededgroup.com
3. Dwight Hicks	KCP&L 1300 SE Hamblen Road Lee's Summit, MO 64081	816-347-4309	Dwight.Hicks@kcpl.com
4. Mark Manion	AT&T 215 N. Spring Independence, MO 64050	816-325-6516	MM256T@att.com

2) ATTENDANCE SIGN IN SHEET (Mandatory for General Contractors)

You must sign in on the sign-in sheet as a record of your attendance. If you do not sign in, your company will not be allowed to bid.

3) PURPOSE OF MEETING:

- a. Purpose of this meeting is to exchange information relating to this project and open lines of communication between all parties involved with this project.

4) PROJECT SCOPE:

- a. This project involves grading, paving, curb, sidewalk, storm sewer, pavement marking, signing, sodding, water line, force main, water main, landscaping and basic street lighting.

5) BID DOCUMENTS (All addendums, meeting minutes, etc. will be posted on the INDOX website, www.indoxservice.com)

- a. Cover Sheet indicates June 17, 2014 Bid Opening – **CORRECT DATE IS June 18, 2014**



- b. Instructions to Bidders – Section III – (No Questions)
- c. Affidavit and Provision of Documentation – (No Questions)
- d. Affidavit Concerning Employment of Unauthorized Aliens – (No Questions)
- e. Bid Proposal – Section IV – (No Questions)
- f. Bid Form – Bid Alternate – (No Questions)
- g. Bid Bond – Section V – (No Questions)
- h. Section VI – Contract Agreement – (No Questions)
- i. Material Exception Certificate – Section IX – Provided by the City – (No Questions)
- j. Section XI - Supplementary Conditions – Insurance requirements - Page 107 - 110 – (No Questions)
- k. Job Specials

i) L - Dredging Page 14

Tom Rohr noted that TranSystems has completed the pre-construction survey and will do the post-construction survey.

Question – Can we use a backhoe or does it have to be the dredging equipment?

Answer – It is unlikely that a backhoe would have adequate reach to the middle portions of the area.

ii) O – Work Zone Traffic Management Page 18

Jeff Sell stated that the NTP would be issued around August 2014. The city desires to have the roundabout completed this construction season and the remaining construction completed next season.

iii) U – KCS Railroad – At grade Crossing Page 34

Tom noted that the rail crossing has been installed. There will be more discussion related to the rail road work later.

Tom indicated that the permit process may take some time and suggested that the successful bidder may want to start that process early. There will be no delay claim related to the acquisition of the permit.

Question – Is railroad protective insurance required?

Answer – yes

Question – how are the railroad crossing arms to be installed? In what phase?

Answer – the contractor will need to coordinate the installation of the crossing arms and related equipment with the railroad. The railroad has a contractor under contract to do this work.

Question – what about the casing?

Answer – the contractor will need to coordinate with the railroad and obtain the necessary permits from the railroad to install the casing.

Question – is there a dollar value associated with the permit?

Answer – there are fees associated with obtaining the permit. The contractor will be responsible for making the necessary payments required to obtain the permit. These costs will be considered subsidiary to other items.

iv) T – Selective Demolition

(1) 1.7 Project Conditions

Question – Can the house near Walnut be used as a construction office?

Answer – No, it must be removed to make room for the shoo-fly in Phase 1 of the construction.

Question – Does the City require a licensed demolition contractor?

Answer – The contractor will need to get a city permit and follow all requirements of that permit.

6) Liquidated Damages: \$2,425 per day

- a. Annual Wage order No. 20
- b. Appendix A – Soil Borings – Geotechnology, Inc.

7) MISCELLANEOUS

- a. Inspections and Testing
 - i) TranSystems – inspection with some assistance from City
 - ii) **Geotechnology Inc. will perform the testing on behalf of the City; contractor will be responsible for coordination with TranSystems inspector.**
- b. Contractor is responsible for compliance with the contract provisions. They shall secure and pay for all testing they require to meet this requirement. The owner will secure and pay for testing as they feel is appropriate to verify the contractor's compliance with the project specifications. The Contractor shall not rely on the Owners testing for meeting their requirement to comply with the project specifications.

Question – Is there a QC Plan for this project?

Answer – Refer to JSP - W. Materials Testing. This outlines the testing requirements for the project.

- c. DBE requirement – **14 percent**
- d. Final Completion: **(360 consecutive calendar days)**
- e. **“Unclassified Excavation” Under APWA Section 2100:** Unclassified excavation is defined as the removal of all material encountered regardless of its nature.

Question – Do you anticipate any contaminated materials?

Answer – There is no knowledge of contaminated materials on site.
- f. **Right-of-Way**
- g. **Appendix C – Kansas City Southern Railroad** – No additional questions were asked other than those outlined above and in the Q/A section at the end of these minutes.

8) BID AND AWARD SCHEDULE

- a. All questions have to be in writing and addressed to (Tom Rohr); **verbal questions will not be answered**. Please e-mail tjrohr@transystems.com . **Cut off for questions will be at 2:00 pm on June 16, 2014.**
- b. All General Contractors must be present at pre-bid meeting to qualify as bidders. Sealed bids will be received at Blue Springs City Hall Annex, Office of the Director of Public Works, 903 W. Main Street, Blue Springs, Missouri located in the brick duplex directly north of City Hall until **2:00 PM Wednesday, June 18, 2014.**
- c. City Council Award: July 21, 2014 (*tentative schedule*)
- d. Notice to Proceed: July 28, 2014 ±

9) QUESTIONS RECEIVED BEFORE PRE-BID MEETING

- i) Force Main shown on sheet 107-109.
 - (1) 16" Ball Valve – Quantity shows 1 should be 2.
 - (2) 12" Ball Valve – Quantity shows 0 should 2.
- ii) Are CAD files available for earthwork takeoffs?
 - (1) This will be provided in addendum #1.

The files will be uploaded to the InDox web site along with the other project files as part of Addendum 1. These files are provided solely for the contractor's convenience and are not part of the plans of record. By downloading these files the Contractor agrees to the following conditions:

The Contractor recognizes that use of these files will be at the Contractor's sole risk and without any liability, risk or legal exposure to TranSystems or the City of Blue Springs. The Contractor accepts responsibility for the completeness, correctness and readability of the CADD files and the output generated from the CADD files. Furthermore, the Contractor does hereby, to the fullest extent permitted by law, agree to defend, indemnify and hold harmless TranSystems and the City of Blue Springs from and against any and all claims, suits, demands, damages, liabilities, losses, expenses and costs, including attorney fees and costs of defense, arising out of, resulting from or in connection with Contractor's (or its subcontractor's, or any one for whom Contractor is legally responsible) use, misuse, reuse, alteration, or modification of the CADD files.

- iii) For bid item seven, are dowel baskets required? If so, what size and spacing are required?
 - (1) Dowel baskets are not required on the colored, stamped concrete.
- iv) Does this project have an asphalt cement index?
 - (1) No asphalt cement index required on this project.
- v) Can you clarify if the use of any KCMMB mix designs will be required to be used on this project? MCIB mixes are noted in the drawings but Blue Springs has utilized KCMMB on past project.
 - (1) KCMMB will be required. A special provision addressing the curbs, sidewalks and driveway approaches will be included in Addendum 1.

10) ADDENDUMS:

11) DRAWINGS AND SPECIFICATIONS:

- a. Copies of the drawings, specifications, and other proposed contract documents are on file at the public plan room by contacting InDOX. For access assistance, please contact InDOX directly at toll-free 1-800-886-5959 or locally at 314-633-4800. (www.indoxservices.com.)
- b. **Bidders must fill out the on-line registration to request sets of plans, AND TO RECEIVE ADDENDA.**

12) QUESTIONS

Question – Are additional borings available?

Answer – No. All available soil borings have been provided.

Question – Would you consider adding a bid item for the tree protection fence?

Answer – An approximate location of the tree protection fence has been added to sheet 17 (revised sheet is part of this addendum). No bid item will be added. The fence is only to be used for one tree near Dockside Drive and Mill Street and will be subsidiary to other items.

Question – Can shingles be used in recycled asphalt?

Answer – No.

Question – Can you provide specs for the 12-inch and 16-inch ball valves?

Answer – Specifications will be provided in Addendum 1.

Question – Can you provide the size of each water service relocation?

Answer – The City is preparing a table. This will be issued via separate addendum if it becomes available.

Question – Can potential bidders probe soil on railroad right-of-way?

Answer – Potential bidders would have to coordinate this effort with KCSRR if they desire access to railroad right-of-way.

One attendee indicated they had placed a conduit under the railroad at approximately 20-ft deep. They weren't certain of the depth, but indicated they recalled encountering rock.

Question – Can the bid form be provided in Excel format?

Answer – Excel format of the Bid Form will be included with this addendum

Question – Can the existing water main be abandoned in place or does it need to be removed?

Answer – The existing water main must be removed where it is in conflict with proposed improvements. If sections of the main can remain, there is no objection to leaving it in place. However, each end must be capped and plugged. Costs for abandoning, capping, plugging or removing the existing main are subsidiary to other bid items.

Question – Can the temporary shoring indicated in the construction phases be left in place or does it have to be removed?

Answer – The temporary shoring may be left in place provided it does not conflict with other project improvements. The top portion of the shoring must be removed to a point at least 15-inches below the bottom of the finished pavement to allow for subgrade compaction and fly-ash placement.

Question – Does the RCB near Dockside Drive have to be cast-in-place?

Answer – Pre-cast will be allowed with the following provisions:

The Pre-cast RCB must be the same dimensions as the existing RCB. Minimal deviations will be allowed, and the pre-cast structure can be no smaller than the existing structure.

Connection details between the pre-cast sections and the existing RCB must be provided by the contractor as part of the shop drawing submittal process. The details must be signed and sealed by a professional engineer registered in the state of Missouri.

The pre-cast structure must include a mud sill. This is a concrete slab on which the pre-cast sections will be placed and then moved into place. This slab must be designed by a professional engineer and the details of the slab shall be submitted as part of the shop drawing process. The drawings shall be signed and sealed by a professional engineer registered in the state of Missouri.

Question – Can Dockside Drive between Mill and Clipper be closed longer than the phasing plans call out?

Answer – No. Agreements have been made with Lake Tapewingo residents and Dockside Drive can only be closed in accordance with the plans as noted.

Question – Is there any dirt available on site?

Answer – Plans do not provide for borrow on site. Suitable material, excavated on site for the project construction, may be used per specifications.

Tom Rohr asked attendees to leave a business card to use as confirmation of the information provided on the sign in form.

Meeting adjourned at approximately 2:35 pm.

**City of Blue Springs, Missouri and MoDOT District 4
Woods Chapel Road Improvements - NW Castle Drive to Walnut Street**

Jackson County STP-1200 (405)

BID FORM					
ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
1	CLEARING AND GRUBBING	AC.	11.2		
2	DEMOLITION AND REMOVAL OF IMPROVEMENTS	L.S.	1		
3	UNCLASSIFIED EXCAVATION	C.Y.	14,281		
4	EMBANKMENT	C.Y.	29,266		
5	MODIFIED SUBGRADE, 9 IN., (FLY ASH OR LIME STABILIZED)	S.Y.	20,496		
6	MODIFIED SUBGRADE, 6 IN., (FLY ASH OR LIME STABILIZED)	S.Y.	4,735		
7	CONCRETE PAVEMENT (9 IN. NON-REINF) (COLORIZED, STAMPED)	S.Y.	892		
8	4 IN. AGGREGATE SHOULDER, TYPE 5	S.Y.	61		
9	ASPHALTIC CONC. SURFACE, 2 IN., RC-TYPE 3-01	S.Y.	23,560		
10	ASPHALTIC CONCRETE BASE, 10 IN., RC-TYPE 1-01	S.Y.	20,030		
11	ASPHALTIC CONCRETE BASE, 8 IN., RC-TYPE 1-01	S.Y.	2,274		
12	ASPHALTIC CONCRETE BASE, 6 IN., RC-TYPE 1-01	S.Y.	1,721		
13	ASPHALTIC CONCRETE BASE, 4 IN., RC-TYPE 1-01	S.Y.	1,828		
14	TEMPORARY ASPHALT PVMT, 8 IN.	S.Y.	2,604		
15	12" DIP WATER MAIN	L.F.	3,955		
16	8" DIP WATER MAIN	L.F.	611		
17	24" WATER MAIN CASING	L.F.	60		
18	12" CONNECTION TO EXISTING WATER MAIN	EA.	2		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
19	8" CONNECTION TO EXISTING WATER MAIN	EA.	2		
20	FIRE HYDRANT ASSEMBLY	EA.	6		
21	4" GATE VALVE	EA.	1		
22	8" GATE VALVE	EA.	3		
23	12" BUTTERFLY VALVE	EA.	18		
24	12" ECCENTRIC PLUG VALVE (FORCE MAIN)	EA.	2		
25	16" ECCENTRIC PLUG VALVE (FORCE MAIN)	EA.	2		
26	AIR RELIEF VALVE	EA.	1		
27	8" DIP SANITARY SEWER	L.F.	94		
28	4" PVC SDR 21 FORCE MAIN	L.F.	564		
29	16" PVC SDR 21 FORCE MAIN	L.F.	1,073		
30	30" FORCE MAIN CASING	L.F.	100		
31	18" CONCRETE ENCASEMENT	L.F.	20		
32	30" CONCRETE ENCASEMENT	L.F.	20		
33	IRRIGATION SYSTEM	L.S.	1		
34	6 IN. CONCRETE MEDIAN (COLORIZED, STAMPED)	S.Y.	251		
35	8 IN. CONCRETE MEDIAN STRIP	S.Y.	125		
36	DRIVEWAY, 8 IN. CONCRETE	S.Y.	459		
37	DRIVEWAY , 6 IN. CONCRETE	S.Y.	889		
38	CONCRETE SIDEWALK, 4 IN.	S.Y.	4,291		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
39	ASPHALT TRAIL, 4 IN.	S.Y.	247		
40	CONCRETE FLUME	EA..	2		
41	CURB, BARRIER CURB, CURB & GUTTER	L.F.	10,018		
42	FURNISHING ROCK BLANKET (TYPE 2)	C.Y.	134		
43	PLACING ROCK BLANKET (TYPE 2)	C.Y.	134		
44	MOBILIZATION	L.S.	1		
45	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1		
46	15 IN. RCP, CLASS III, WALL B	L.F.	830		
47	15 IN. HDPE	L.F.	534		
48	18 IN. RCP, CLASS III, WALL B	L.F.	1,127		
49	18 IN. HDPE	L.F.	929		
50	24 IN. RCP, CLASS III, WALL B	L.F.	136		
51	24 IN. HDPE	L.F.	463		
52	30 IN. RCP, CLASS III, WALL B	L.F.	732		
53	30 IN. HDPE	L.F.	390		
54	36 IN. RCP, CLASS III, WALL B	L.F.	217		
55	36 IN. HDPE	L.F.	216		
56	42 IN. RCP, CLASS III, WALL B	L.F.	78		
57	42 IN. HDPE	L.F.	990		
58	54 IN. RCP, CLASS III, WALL B	L.F.	132		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
59	STANDARD FIELD INLET 4 FT X 4 FT	EA.	1		
60	STANDARD AREA INLET 5 FT X 5 FT	EA.	5		
61	STANDARD FIELD INLET 6 FT X 6 FT	EA.	1		
62	CURB INLET 5 FT X 3 FT	EA.	11		
63	CURB INLET 5 FT X 4 FT	EA.	1		
64	CURB INLET 5 FT X 4 FT-TYPE I	EA.	1		
65	CURB INLET 8 FT X 3 FT	EA.	14		
66	CURB INLET 8 FT X 4 FT	EA.	6		
67	CURB INLET 8 FT X 5 FT	EA.	3		
68	CURB INLET 8 FT X 6 FT	EA.	2		
69	CURB INLET 8 FT X 7 FT	EA.	1		
70	CURB INLET 11 FT X 3 FT	EA.	3		
71	CURB INLET 11 FT X 6 FT	EA.	1		
72	CURB INLET 12 FT X 3 FT	EA.	1		
73	4' x 4' GRATE AREA INLET	EA.	1		
74	4' x 4' JUNCTION BOX	EA.	3		
75	5' x 5' JUNCTION BOX	EA.	2		
76	6' x 6' JUNCTION BOX	EA.	1		
77	CONCRETE MANHOLE, 4 FT. DIA.	EA.	1		
78	15 IN. PRECAST CONCRETE FLARED END SECTION	EA.	3		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
79	18 IN. PRECAST CONCRETE FLARED END SECTION	EA.	1		
80	24 IN. PRECAST CONCRETE FLARED END SECTION	EA.	1		
81	30 IN. PRECAST CONCRETE FLARED END SECTION	EA.	1		
82	CLASS 4 EXCAVATION	C.Y.	1,221		
83	CLASS B-1 CONCRETE	C.Y.	190.4		
84	REINFORCING STEEL	LB.	27,460		
85	POROUS BACKFILL	C.Y.	123		
86	6'-0" PRECAST WHEEL STOP	EA.	6		
87	4" DIA. BOLLARDS	EA.	2		
88	MODULAR BLOCK RETAINING WALL	S.F.	3,348		
89	INTEGRAL RETAINING WALL	S.F.	444		
90	PEDESTRIAN FENCE (3 FT. - 6 IN.)	L.F.	238		
91	HANDRAIL (PUMP BASIN)	L.F.	93		
92	CHAIN LINK FENCE (48 IN.), BLACK	L.F.	1,114		
93	CHAIN LINK FENCE (48 IN.)	L.F.	140		
94	CEDAR PRIVACY FENCE (6 FT HEIGHT)	L.F.	310		
95	FENCE REMOVAL	L.S.	1		
96	TEMPORARY FENCE	L.F.	250		
97	TEMPORARY BERM	L.F.	553		
98	SILT FENCE	L.F.	2,776		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
99	ROCK BARRIER (6 IN.)	TON	87		
100	INLET PROTECTION	EA.	46		
101	SEDIMENT TRAP	EA.	1		
102	SEDIMENT REMOVAL	C.Y.	165		
103	TEMPORARY SEEDING	AC.	3.7		
104	DREDGING	C.Y.	1,550		
105	SHADE TREES (4" CAL.)	E.A.	1		
106	SHADE TREES (2.5" CAL., 10' MIN. HT.)	E.A.	23		
107	SHADE TREES (2.5" CAL.)	E.A.	52		
108	ORNAMENTAL TREES (10" HEIGHT, MULTI STEM)	E.A.	17		
109	ORNAMENTAL TREES (1.5 CAL.)	E.A.	35		
110	EVERGREEN TREES (6' HEIGHT)	E.A.	35		
111	EVERGREEN TREES (10' HEIGHT)	E.A.	43		
112	SHRUBS (5 GAL.)	E.A.	602		
113	GRASSES/PERENNIALS (1 GAL. CONT.)	E.A.	4,391		
114	GRASSES/PERENNIALS (4" CONT.)	E.A.	5,648		
115	NON-NATIVE SOD	S.Y.	19,640		
116	STEEL LANDSCAPE EDGING	L.F.	3,406		
117	EXISTING MONUMENT RECONSTRUCTION-LAKE TAPAWINGO	E.A.	4		
118	EXISTING MONUMENT RECONSTRUCTION-SHANNON DR.	E.A.	2		

BID FORM

ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
119	EXISTING MONUMENT RECONSTRUCTION-APPLEWOOD CT.	E.A.	2		
120	MONUMENT LIGHTING	L.S.	1		
121	PARKING LOT LIGHT RELOCATION	L.S.	1		
122	PAVEMENT MARKING (THERMOPLASTIC) (WHITE) (4")	L.F.	785		
123	PAVEMENT MARKING (THERMOPLASTIC) (WHITE) (6")	L.F.	5,875		
124	PAVEMENT MARKING (THERMOPLASTIC) (WHITE) (8")	L.F.	158		
125	PAVEMENT MARKING (THERMOPLASTIC) (WHITE) (12")	L.F.	69		
126	PAVEMENT MARKING (THERMOPLASTIC) (WHITE) (24")	L.F.	352		
127	PAVEMENT MARKING (THERMOPLASTIC) (YELLOW) (4")	L.F.	8,574		
128	PAVEMENT MARKING SYMBOL (PREFORMED THERMOPLASTIC) (WHITE) (LEFT ARROW)	EA.	14		
129	PAVEMENT MARKING SYMBOL (PREFORMED THERMOPLASTIC) (WHITE) (RAILROAD)	EA.	2		
130	PAVEMENT MARKING SYMBOL (PREFORMED THERMOPLASTIC) (WHITE) (BICYCLE)	EA.	24		
131	PAVEMENT MARKING SYMBOL (PREFORMED THERMOPLASTIC) (WHITE) (THRU ARROW)	EA.	24		
132	SIGN POST (PERFORATED SQUARE STEEL TUBE POST, 2 INCH, 12 GAUGE)	L.F.	726		
133	SIGN POST FOOTING (2 INCH PERFORATED SQUARE STEEL TUBE)	EA.	73		
134	SIGN (FLAT SHEET) (HIGH PERFORMANCE)	S.F.	445		
135	CONSTRUCTION SIGNS	S.F.	838		
136	FLAG ASSEMBLY	EA.	16		
137	TYPE III (MOVEABLE) BARRICADE	EA.	53		
138	CHANNELIZER (TRIM LINE)	EA.	123		
139	WARNING LIGHT, TYPE A	EA.	16		

BID FORM					
ITEM NO.	BID ITEM	UNITS	QUANTITY	UNIT COST	TOTAL
140	CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED/RETAINED	EA.	3		
141	PAVEMENT MARKING REMOVAL	L.F.	36,324		
142	PREFORMED REMOVABLE MARKING TAPE	L.F.	36,047		
GRAND TOTAL				\$	

GRAND TOTAL (IN WORDS)

BIDDER'S SIGNATURE

DATE

Tran Systems

2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: 816-329-8600
FAX: 816-329-8602

CONSULTANTS:

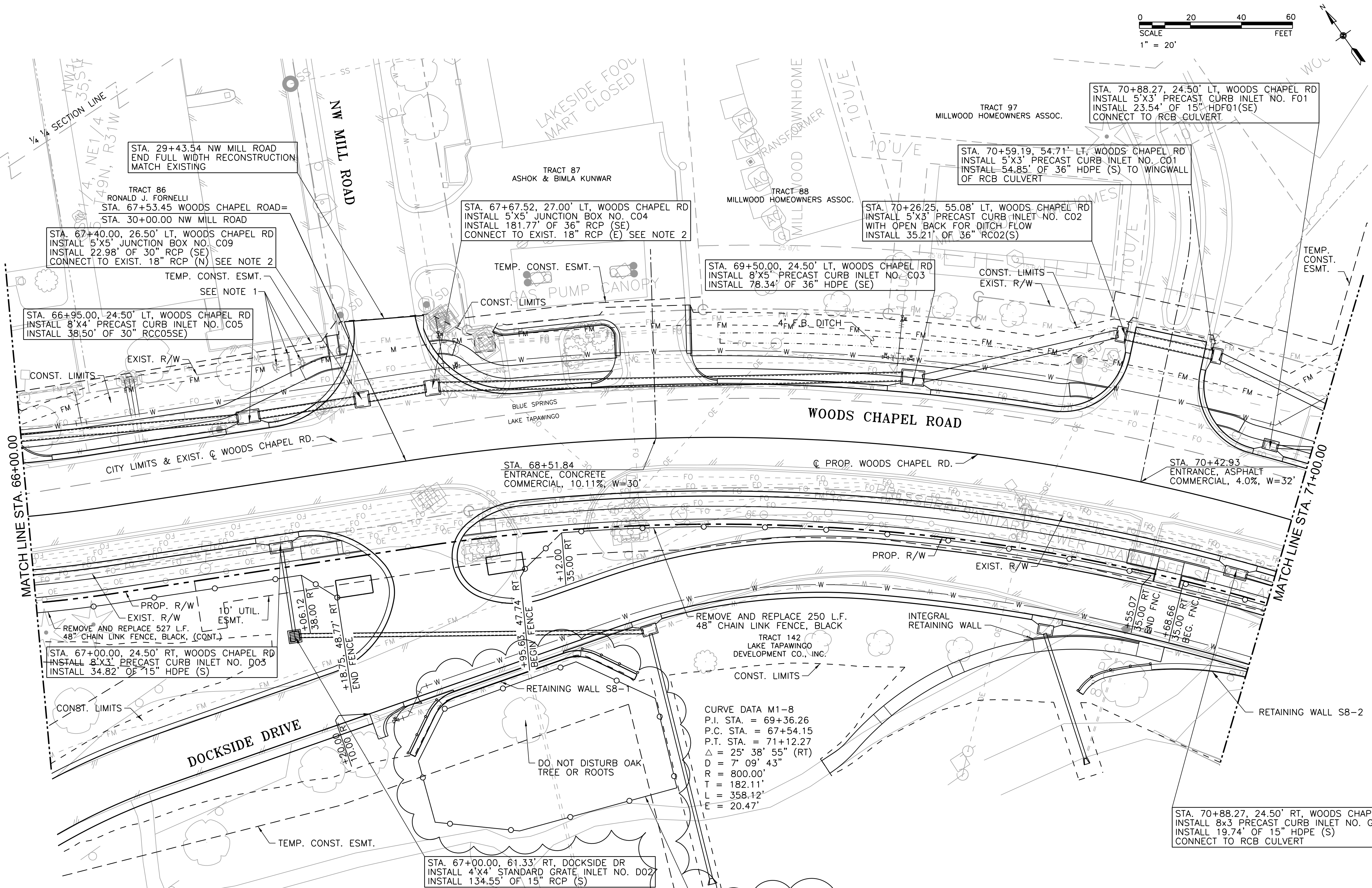
WOODS CHAPEL ROAD
BLUE SPRINGS, MISSOURI
JACKSON COUNTY
STP-1200 (405)

REVISIONS:	MARK	DATE	DESCRIPTION
1	6/12/14	ADDENDUM NO. 1	

PROJ NO: P101100078
SCALE: 1" = 20'
DATE: 6/12/2014
DESIGNED BY: AAM
DRAWN BY: AAM
CHECKED BY:

SHEET TITLE:
WOODS CHAPEL ROAD
STA. 66+00.00 TO
STA. 71+00.00

SHEET NO.
17



CONSTRUCTION NOTES:

- CONTRACTOR TO RELOCATE LIGHTS AND SIGN. CONTRACTOR SHALL WORK WITH PROPERTY OWNER TO DETERMINE NEW LOCATION. WORK SHALL BE SUBSIDIARY TO "DEMOLITION AND REMOVAL OF IMPROVEMENTS."
- CONTRACTOR TO VERIFY LOCATION AND FLOWLINE OF EXISTING PIPE PRIOR TO FABRICATION OF JUNCTION BOX. ADJUST MANHOLE DEPTH, OPENINGS AND TOP ELEVATION AS NECESSARY TO ACCOMMODATE EXISTING PIPE. ADJUSTMENTS ARE SUBSIDIARY TO CONCRETE MANHOLE.

Z. PORTLAND CEMENT CONCRETE CURBS, SIDEWALKS AND DRIVEWAY APPROACHES

Z.1. GENERAL

A. DESCRIPTION:

1. This section governs the furnishing of all labor, equipment, and materials, and the performance of all work necessary to construct or reconstruct Portland Cement Concrete for curbs, sidewalks and driveway approaches.
2. Applicable Standards
 - a. American Public Works Association - Kansas City Metropolitan Chapter Standard Specifications latest edition (APWA).
 - b. American Society for Testing and Materials (ASTM):
 - (1) C3 - Determination of Compressive Strength.
 - c. Kansas City Metro Materials Board (KCMMB)
 - d. American Concrete Institute (ACI)

B. MODIFICATION OF SECTION 2200 OF THE APWA STANDARD SPECIFICATIONS:

2. 2208 Portland Cement Concrete Pavement
Referenced Standards: Add the following: "Kansas City Metropolitan Materials Board (KCMMB). KCMMB material specifications approved suppliers, approved aggregates and approved mixes are available on the website www.kcmmb.org."
3. 2208.2 Materials: Delete paragraphs 2208.2.A and B, and replace with the following:
 - a. The current edition of the standard specifications issued by the KCMMB is made a part hereof by reference. When APWA specifications differ from KCMMB specifications, the KCMMB specifications shall govern.
 - b. All concrete materials shall conform to the KCMMB specifications. Mix design submittals required for the work shall be submitted to the Engineer at least 2 weeks in advance of the anticipated use, and no work shall proceed until the submittals have been approved.
4. 2208.2.F Curing: Add the following sentence at the end of the paragraph: "Liquid curing membrane shall be pigmented white."

5. 2209 Curbing
Referenced Standards: Remove reference to "MCIB Standard Concrete Specification" and replace with the following: "Kansas City Metropolitan Materials Board (KCMMB) Standard Concrete Specifications." KCMMB material specifications approved suppliers, approved aggregates and approved mixes are available on the website www.kcmmmb.org."

C. MODIFICATION OF SECTION 2301 OF THE APWA STANDARD SPECIFICATIONS:

1. 2301 Standard Sidewalks, Sidewalk Ramps, Driveways and Bicycle/Pedestrian Paths
Referenced Standards: Remove reference for MCIB and replace with the following: "Kansas City Metropolitan Materials Board (KCMMB) Standard Concrete Specifications" KCMMB Material Specifications approved suppliers, approved aggregates and approved mixes are available on the website www.kcmmmb.org .
2. 2301.3 Materials: Delete paragraph 2301.3A and replace with the following:
All concrete materials shall conform to the KCMMB Specifications. Mix design submittals required for the work shall be submitted to the Engineer at least 2 weeks in advance of the anticipated use, and no work shall proceed until the submittals have been approved.

Z.2. MATERIALS:

- A. Coarse Aggregate: KCMMB
- B. Fine Aggregate: KCMMB
- C. Cement: KCMMB
- D. Air Entraining Agent: KCMMB
- E. Curing Material: APWA
- F. Expansion Joint Material: APWA
- G. Dowel Bars: APWA
- H. Mix Composition: KCMMB 4K Mix or HE (as specified)

Z.3. PERFORMANCE:

A. GENERAL:

1. Conform to APWA Section 2209 except as otherwise specified.
2. Conform curb dimensions to Blue Springs Standard details
3. Install contraction joints at intervals not more than 10 feet.
4. Saw cut contraction joints to a uniform 1-1/2 inch depth.
5. Install expansion joints with dowels at the radius returns of all intersections and at each end of curb inlet throat sections.
6. Install expansion joints at locations indicated.
7. Install driveway approaches in accordance with Standard Detail No. MIS-001.
8. Broom finish perpendicular to pavement centerline.

9. Thoroughly backfill and compact curbing in accordance with APWA Section 2209 to a minimum density of 85% of standard maximum density.
10. Provide air entrainment.

B. TESTING AND ACCEPTANCE:

1. Test each curb installation at the direction of the Engineer according to the following:
 - a. Twenty-eight (28) day Compression Test: ASTM C39: one set of four cylinders for every 1500 l.f. of curbing installed; minimum of one set of cylinders per site; or as directed by the City; 4500 psi compressive strength; by certified independent testing laboratory acceptable to the owner.
 - b. Slump test each batch.
 - c. Straight edge test: APWA.
2. Remove and replace all sections failing the testing criteria.
3. Portions failing the 28 day compressive strength may be more exactly defined through the use of a calibrated rebound hammer.
4. The cost of all testing is incidental to the cost of construction.

END OF SECTION

AA. ECCENTRIC PLUG VALVE SPECIFICATION

AA.1 GENERAL

A. DESCRIPTION:

1. Eccentric plug valves, Plug Valves, shall be suitable for the intended service of controlling or stopping flow in the force mains as indicated. Valves and actuator assembly shall be suitable for direct burial of valve and operator with the operation of the valves by 2" square nut.
2. Valve pressure rated ANSI 125, 175 psi for 12" and smaller valves, 150 psi for 14" and larger valves.

AA.2 MATERIALS

A. MANUFACTURER:

The plug valves shall be as manufactured by:

1. DeZurik
2. Pratt
3. ValMatic
4. Engineers approved equal valve

AA.3 PERFORMANCE

A. REQUIRED SUBMITTAL

Manufacturer's valve data sheet indicating dimensions materials and operational details.

B. VALVE BODY

1. Conforming to AWWA C504
2. ASTM A126 CL B cast iron
3. Mechanical joints per AWWA C111 (ANSI A21.11)

C. PLUG AND SEAL

1. Supported on integral trunnions
2. Encapsulated in Nitrile elastomeric material

3. Seat shall be nickel
4. Provide bi directional drip tight sealing capacity under all pressure and vacuum conditions.
5. Plug shall rotate up out of flow path providing full flow area.

D. BEARINGS

1. Permanently lubricated stainless steel bearings.
2. Provide bearing seals and stem seals to prevent entry of foreign materials.

E. ACTUATOR

1. Worm gear to provide smooth operation of the valve mechanism over full travel range.
2. Corrosion resistant enclosure directly attached to the valve body.
3. All fasteners shall be stainless steel.
4. Equip actuator with a valve rod box and extension as required for operation at required burial depth. Coordinate with Owner for valve cover inscription.
5. Open and closed travel stops.

END OF SECTION