

January 9, 2013

Addendum No. 1

**City of Lake Saint Louis
FREYMUTH ROAD IMPROVEMENT PROJECT
FEDERAL PROJECT NO. STP-5503(602)**

Bid No. 01-12

This addendum shall become part of the Bidding and Contract Documents and modifies the original Bidding Documents for the contract noted above. It shall be attached within the cover of the Contract Documents.

Change 1: Replace project plans sheet 74 with the attached replacement sheet of same number. Corrections were made to curb standard details as clouded.

Change 2: Remove the following paragraph 3 of General Notes on plan sheet 43:

Contractor may use paint in lieu of preformed tape. Paint shall be completely removed prior to traffic shifts. There will be no direct pay for temporary pavement marking.

Insert the following paragraph in its place:

Contractor may use paint in lieu of preformed tape. Paint shall be completely removed prior to traffic shifts. Temporary paint used in lieu of preformed tape will be the paid at the temporary striping unit rate. Paint shall not be used on pavement surface course.

Change 3: Pay Item 902-72.00, 2" PVC Conduit (SHLD80), change estimated quantity from "108 LF" to read "326 LF".

Attachment 1: Pre-bid Meeting Minutes

Attachment 2: Revised Plan Sheet No. 74

Attachment 3: Revised Bid Sheet and Plan Qty Sheet

This addendum shall be considered part of the above-referenced project. Any questions regarding this addendum should be directed to Terry Rigdon, City of Lake Saint Louis (636) 695-4221.

Please sign below and include this addendum in the bid package attached to the Proposal Sheet/Bid Form. Failure to return signed response may result in forfeiture of bid. Please acknowledge on the Bid Form that this addendum has been received.

CONTRACTOR:

ATTEST:

SIGNATURE

DATE

SIGNATURE

DATE

COMPANY

END OF ADDENDUM NO. 1

**FREYMUTH ROAD RECONSTRUCTION PROJECT
PREBID CONFERENCE**

Date: 1/4/2013

Time: 10.00 AM

Location: Lake Saint Louis City Hall

1. INTRODUCTION:
 - A. Ensure everyone has signed the attendance sheet
 - B. Everyone introduce him or herself
 - i. Name
 - ii. Company/Position
2. PROJECT OVERVIEW
 - A. Scope of Project
The work associated with this contract consists of grading, paving, storm sewer, sanitary sewer relocation, curb & gutter, multi-purpose trail, and other appurtenances in accordance with the plans and specifications along approximately 3,000 feet of Freymuth Road between Veteran's Memorial Parkway and Prospect Road/Picardy Drive.
 - B. 360 Calendar Days
3. RIGHT OF WAY STATUS
 - A. Right of way is cleared.
4. FEDERAL REQUIREMENTS
 - A. DBE
 - i. 18%
 - ii. DBE submittal forms due 3 business days after bid opening
 - B. Prevailing Wage
 - C. Contractor Questionnaire on file with Modot 7 days prior to bid opening
 - D. Everify
 - E. On the job training – 2000 hours
5. CONSTRUCTION STAGING
 - A. Project is broken into 4 stages
 - i. Maintain 2-way access to Founders Park at all times between VMP and Park
 - ii. Maintain access to resident driveways
 - iii. Contractor is responsible for staging sewer construction in a manner that minimizes service disruptions. Communication with residents will be very important.
6. UTILITY RELOCATION STATUS
 - A. PWSD
 - i. Relocations should start next week

- B. CUIVRE RIVER ELECTRIC
 - i. Relocations to begin after clearing and grubbing
 - ii. Estimate of 2 weeks for relocation
- C. CENTURY LINK
 - i. Issued notice to proceed with utility relocations
 - ii. Estimate of 2 weeks for relocation.
- D. LACLEDE GAS
 - i. Will install new gas main after clearing and grubbing
 - ii. Estimate 2-3 weeks for installation
- E. CHARTER COMMUNICATIONS
 - i. Relocations complete.

7. TREE PRESERVATION

- A. Fencing
- B. Mulching
- C. Root Pruning

8. JOB SPECIAL PROVISIONS

- A. Brick Paved Median should be constructed on concrete per details on sheet 74 of plans.

9. Work Hours

6:30 AM to 8:00 PM	Monday - Friday
9:00 AM to 6:00 PM	Saturday
12:00 PM to 6:00 PM	Sunday

10. CONTRACTOR QUESTIONS

- A. Write down question and clarifications on comment sheet.

PREBID CONFERENCE SIGN-IN-SHEET

Project: FREYMUTH ROAD IMPROVEMENT PROJECT

Meeting Date: January 4th, 2013

Facilitator: Lake Saint Louis City Staff

Place/Room: Civic Hall Conference Meeting

Name	Title	Company	Phone	Fax	E-Mail
TERRY RIGDON	PM	LSL	636 695-4221	636 695-4227	Trigdon@lakesaint Louis.com
Pat Dougherty	ESTIMATOR	LAMKE TRENCHING & EXC.	314 581-7251	636 932-4880	Pat@lamke-inc .com
Keith Ahal	mgr.	Ahal Landscapes	314-739- 1142		Keith.ahal@ ahalhandscapes.com
Mike Erdtmann	GBA PM	GBA	636-240- 2444		merdtmann@ gba-team.com
Kevin Olson	GBA ENG	GBA	636-240- 2444		kolson@gbteam.com
CHRIS KUNNERS	Const.	KJU	636 239-2028	636 239-2002	chris@kjunnerrstall.com
KURT KUNNERS	PRESIDENT	KJU	636 239-2028	636 239-2002	kurt@kjunnerrstall.com
ADA BROWN	PM	LANEY CONST	314 636 1805		abrown@lane1construction.com

PREBID CONFERENCE SIGN-IN-SHEET

Project: FREYMUTH ROAD IMPROVEMENT PROJECT

Meeting Date: January 4th, 2013

Facilitator: Lake Saint Louis City Staff

Place/Room: Civic Hall Conference Meeting

Name	Title	Company	Phone	Fax	E-Mail
Mike Cannon	Pres	Cannon Group Const.	636-462- 8277	636-528- 2555	MH Cannon Cannon Companies, Inc.
Kurt Muehlher	Project Manager	Gershenson	636-938- 9595	636-938- 9501	KMUEHLHER @GERSHENSON.COM

PREBID CONFERENCE SIGN-IN-SHEET

Project: FREYMUTH ROAD IMPROVEMENT PROJECT

Meeting Date: January 4th, 2013

Facilitator: Lake Saint Louis City Staff

Place/Room: Civic Hall Conference Meeting

Name	Title	Company	Phone	Fax	E-Mail
Rob Dawdy	Sales	Boehmer Bros	636-463- 1384	636-673- 1340	rdawdy.boehmerbros@ gmail.com
Steve Greene	Proj Manager	Tramar	636-255- 0808	636-255- 0719	sgreene@tramar contracting.com
Roy Burns	Contract Admin	JM Marschuetz	636-938-3600	636-938-7411	Roy@marschuetz.com
Chris Scanlon	Super	Pace	524-7223		

Freymuth Rd Reconstruction Project Pre-Bid Meeting 1/4/13

Questions

Question 1: Is the contractor responsible for communication with the residents?

Answer 1: Yes, Contractor shall keep residents notified of any interruptions in utility services, property access, and traffic changes at all times.

Question 2: Is there a way to adjust the 2000 Hour OJT requirement since it is almost the entire duration of the project?

Answer 2: No, Modot was contacted about adjusting the hour requirements and said it was not negotiable. Contractor may contact Modot to determine what would constitute a “good faith effort” in meeting the requirements.

Question 3: Is there a place to dump construction waste (mulch, concrete, soils)?

Answer 3: No, the Contractor is responsible for securing their own dump sites.

Question 4: Is there parking for the construction crews?

Answer 4: Contractor shall provide staging areas in the project limits for employees parking, equipment parking and material storage. Limited Parking is available in Freymuth Park at City’s discretion at times that do not interfere with scheduled park activities.

Question 5: What type of collar will be needed for the culvert pipe extension? (1’ or 2’ with reinforcement)?

Answer 5: Extension of culvert pipe shall follow the following MSD standard specification, specifically the underlined portion.

PART 9 MISCELLANEOUS

SECTION A GENERAL.

Requirements for items of construction not described in the preceding PARTS are set forth in this PART.

SECTION B CONNECTIONS TO EXISTING FACILITIES.

1. General.

- a. New pipe sewers will be connected to existing sewers at existing manholes, or at locations requiring the construction of a new manhole on the existing sewer, or directly to a sewer normally requiring no manhole unless otherwise shown on the Project Plans.
- b. The Contractor will verify the exact location and elevation of existing sewers immediately prior to actual construction. Any differences should then be brought to the attention of the District.

2. Existing Manholes.

- a. If a bulkhead opening of adequate size or a stub of proper size, elevation, location, grade, and direction exists at the manhole, the pipe connection will be made as required for pipe laying. The cost of removing the bulkheads and

making the pipe connection is included in the cost of laying the new pipe sewer. If the existing stub is not suitable for use, or if no stub exists, a new connection must be made to the manhole. The stub shall be removed or a hole shall be cut in the manhole wall to permit inserting the pipe at the required flowline elevation, horizontal angle, and slope, and to allow two (2) inches of space around the pipe for bedding and filling solidly with 1-3 cement-sand mortar. Care shall be used to avoid unnecessary damage to the existing structure. Any damage caused by the Contractor shall be repaired to the satisfaction of the District. All loose material shall be removed from the cut surfaces, which shall be completely coated with mortar before setting the pipe. Before inserting the pipe, a sufficient thickness of mortar shall be placed at the bottom and sides of the opening for proper bedding of the pipe. After setting, all spaces around the pipe shall be solidly filled with mortar, and neatly pointed up on the inside to present a smooth joint, flush with the inner wall surface. Any necessary revisions in the existing invert shall be made to provide a smooth plastered surface for properly channeled drainage from the new connection. Particular care shall be given to insure that the earth sub-base and bedding adjacent to the manhole will provide firm solid support to the pipe.

116 MISCELLANEOUS

b. Payment shall include the costs of properly handling all existing flows, cutting a hole in the existing manhole, adjusting the invert, and making a completed pipe connection at the bid price for making a pipe connection to an existing manhole. New connections at levels above the manhole flowline for inlet lines will be made similarly except for the requirements of invert adjustment, unless otherwise required in the Project Plans and Specifications. Payment will be made at the bid price for making a pipe connection to an existing inlet, manhole, or inlet-manhole.

3. Existing Sewers.

a. Connections to existing sewers shall be made as shown in the Standard Details or as modified in the Project Plans. Care shall be used to avoid damage to the adjacent sewer walls or masonry. The opening shall be of sufficient size to permit inserting the pipe at the required flowline elevation, horizontal angle and slope, and to allow at least two (2) inches of space around the pipe for bedding and filling solidly with 1-3 cement-sand mortar. If there are reinforcing bars in the sewer walls, only those preventing insertion of the pipe may be cut. All others shall be bent into the Class "A" concrete collar at the junction of the connection pipe and the existing sewer. Unless a detail is provided, the collar shall have vertical walls not less than six inches thick above, below, and at the sides of the connecting pipe, and at least twelve inches from the outside of the existing sewer at the spring line of the connecting pipe. The bottom of the collar shall extend to solid support at its base. All

loose material shall be removed from the cut surfaces, and any surfaces to be in contact with newly placed concrete shall be cleaned to the base concrete or masonry, and thoroughly coated with cement grout before placing the concrete for the collar. Before inserting the pipe, a sufficient thickness of mortar shall be placed at the bottom and sides of the opening for proper bedding of the pipe. All spaces around the pipe shall be filled with mortar or concrete, and be neatly pointed up on the inside to form a smooth joint that is flush with the inner sewer surface.

- b. Payment shall include the costs of properly handling all existing flows, cutting the opening in the sewer, constructing the concrete collar, and making the completed pipe connection at the bid price for making the complete pipe connection to the existing sewer.



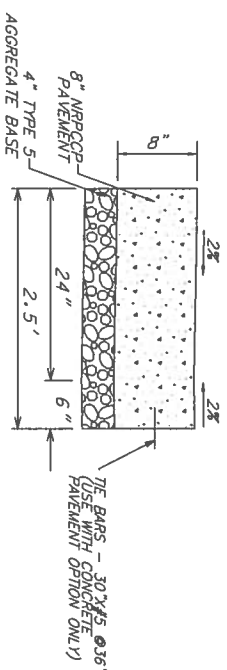
(1) SLOPE OF GUTTER SHALL MATCH ADJACENT PAVEMENT SLOPE.

CONTRACTION JOINTS PLACED EVERY 15'

(1) SLOPE OF GUTTER SHALL MATCH ADJACENT PAVEMENT SLOPE.

CONTRACTION JOINTS PLACED EVERY 15'
(ALIGN W/ PAVEMENT JOINTS)

INTEGRAL CURB DETAIL

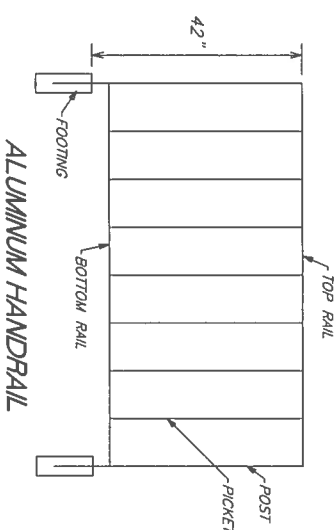


CONCRETE GUTTER
(2.5' WIDE)

NOTE: JOINT TYPES AND SPACING FOR PAVEMENT AND CURB & GUTTER SHALL CONFORM TO ST. LOUIS COUNTY STANDARD DRAWINGS C502.00, C502.01, AND C502.03.

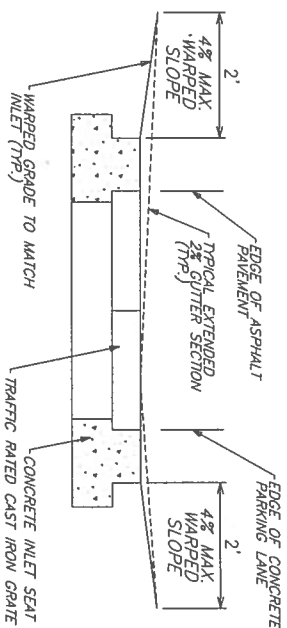


A cross-sectional diagram of a road joint. The diagram shows a central joint area flanked by road pavement. The joint is labeled "EXPANSION JOINT" and "PAVED APPROACH". The joint itself is labeled "NPRCC" and "6\"". The pavement is labeled "4\" TYPE 5 AGGREGATE". Below the pavement is a layer labeled "COMPACTED SUBGRADE".



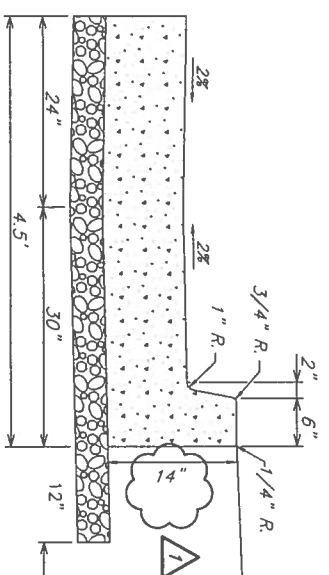
ALUMINUM HANDRAIL

1. ALL I-JULS POSTS AND PICKETS SHALL BE FORMED FROM 6063-T5 EXTRUDED ALUMINUM ALLOYS. ALL RAILING ACCESSORIES SHALL BE CAST FROM ANSI 713 ALLOY. ALL EXPOSED FASTENERS USED IN THE SYSTEM SHALL BE ALUMINUM OR STAINLESS STEEL.
2. THE RAILING SYSTEM SHALL CONSIST OF 2"x1 1/2" SQUARE POSTS THAT ARE EMBEDDED AT LEAST 30" DEEP INTO A 10" DIAM. X 3' DEEP CONCRETE FOOTING. THE TOP RAIL SHALL BE 2"x1 1/2" WIDE AND THE BOTTOM RAIL A MINIMUM OF 1-3/8" WIDE.
3. PICKETS SHALL BE 3/4" SQUARE, ON 4'-1 1/2" CENTERS AND SHALL RUN BETWEEN THE TOP AND BOTTOM RAIL. THE TOP RAIL SHALL BE CONTINUOUS FOR ALL SECTIONS LESS THAN 2'-4" IN LENGTH. PAYMENT FOR FURNISHING AND INSTALLING THE ALUMINUM HANDRAIL SHALL BE COMPLETELY COVERED UNDER THE CONTRACT UNIT PRICE BID ITEM FOR "HANDRAIL (ALUMINUM)" PER LINEAR FOOT.
4. SYSTEMS THAT WILL BE CONSIDERED FOR USE SHALL BE CONSTRUCTED OF ALUMINUM WITH A BLACK ENAMEL FINISH, AND CAN MEET THE INSTALLATION REQUIREMENTS.



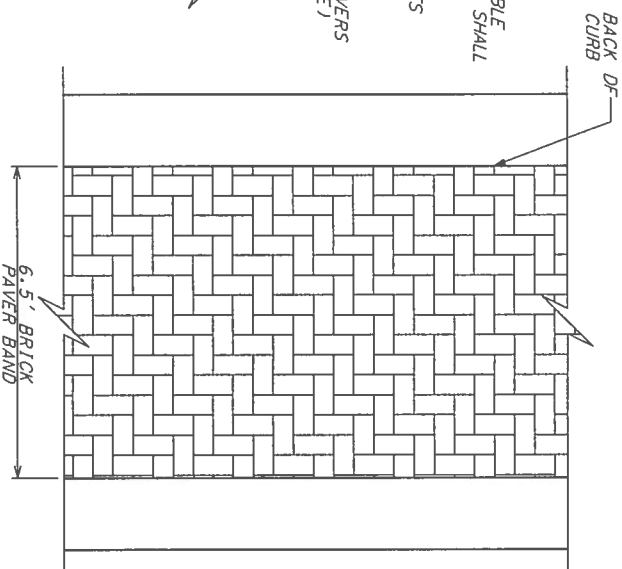
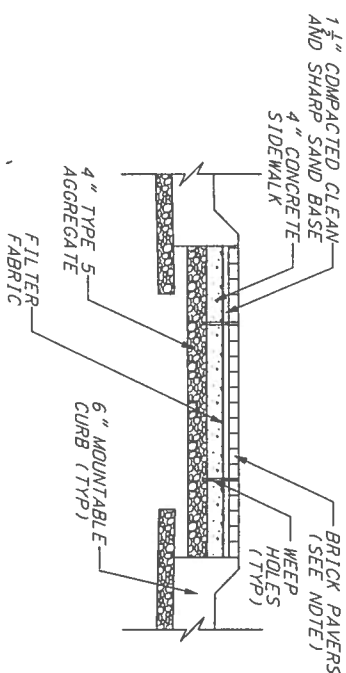
NOTE: CONTRACTOR SHALL WARP THE FLOWLINE OF THE GUTTER SECTION TO THE MIDDLE OF THE STRUCTURE APPROXIMATELY 10' PRIOR TO THE STRUCTURE'S EDGE.

GUTTER WRAPING
FOR 2 GRATE INLET



**CURB AND GUTTER
VERTICAL
(4.5' WIDE)**

NOTE: PAVERS SHALL BE "HESSIT WORKS INC., DUTCH COBBLE RECTANGLE (8 21/2x5.5Wx3.15T) THE COLOR OF THE PAVERS SHALL BE SARATOGA BLEND AND SHALL BE PLACED IN A HERRINGBONE PATTERN. PAVEMENT MANUFACTURER, STYLE, AND COLOR SHALL BE APPROVED BY CITY PRIOR TO CONSTRUCTION. SAND BASE, FILTER FABRIC, AND WEED HOLES SHALL BE INCIDENTAL TO THE BID ITEM, "BRICK PAVERS".



**BRICK PAVER
MEDIAN**

		GBA architects 225 South Main Street Ofallon, Missouri 63368 630.240.2444 www.gbaTEAM.com	
FREYMUTH ROAD RECONSTRUCTION CITY OF LAKE ST. LOUIS FEDERAL AID PROJECT NO. STP-550(3)602)		74	84
NO.	DATE	SHEET NO.	TOTAL SHEETS
1	01/09/2015	PROJECT NO. 12015	DESIGN BY: GBT DRAWN BY: KLD DATE: 1/9/2015
REVISIONS		BY	APPROVED
REVISED ON SHEET		MADE	MADE

NOTE:
"FREYMUTH RD" SIGN SHALL
BE 36"X12" WITH 6"
(SERIES-E) BLACK LETTERS
ON ORANGE BACKGROUND WITH
BLACK BORDER.

FREYMUTH RD

FREYMUTH RD CLOSED
AT PARK THRU
TRAFFIC USE DETOUR

FREYMUTH RD CLOSED
AT PARK THRU/PARK
TRAFFIC USE DETOUR

FREYMUTH RD CLOSED
TO NB TRAFFIC.
USE DETOUR

SP-1

NOTE:
SP-1, SP-2, AND SP-3
SHALL BE 72"X36" WITH
4" (SERIES-E) BLACK
LETTERS ON ORANGE
BACKGROUND WITH BLACK
BORDER.

SP-4

(1/2 CENT SALES TAX)

SP-4 SHALL BE 48 "X36 " WITH 4" (SERIES-E) WHITE LETTERS ON BLUE BACKGROUND WITH WHITE BORDER. FURNISHED AND INSTALLED BY CONTRACTOR. THERE SHALL BE NO DIRECT PAY FOR INSTALLATION OR MAINTENANCE.

CONSTRUCTION SIGN DETAILS

CONSTRUCTION DETAILS
SHEET 1 OF 5

620-51.18	Type 2 Preformed Marking Tape (Grooved) 12" X-Walk	LF	321.0		
620-51.20	Type 2 Preformed Marking Tape (Grooved) 24" Stop Bar	LF	156.0		
620-51.30	Type 2 Preformed Marking Tape (Grooved) Left Arrow	EA	1.0		
903-50.04	Permanent Signing	SF	146.0		
JSP	Relocate Existing Sign	EA	1.0		
LIGHTING ITEMS					
902-72.00	2" PVC Conduit (SHLD 80)	LF	326.0		
SANITARY SEWER RELOCATION ITEMS					
1	8" PVC SDR 35 Pipe	LF	857		
2	10" PVC SDR 35 Pipe	LF	192		
3	8" DIP, EL, PW	LF	92		
4	8" Solid Sleeve	EA	2		
5	Concrete Encasement	CY	5.4		
6	Remove Manhole	EA	5		
7	48" Manhole	EA	7		
8	48" Set-Over Sanitary Manhole	EA	3		
9	8" Link-Seal	EA	1		
10	10" Link-Seal	EA	1		
11	Remove & Replace Asphalt Pavement	SY	32		
12	Remove and Replace Curb and Gutter	LF	20		
13	Compacted Granular Backfill	CY	34		
14	Silt Fence	LF	1040		
15	Grading & Seeding	LS	1		
16	Traffic Control	LS	1		
17	Rock Excavation	CY	10		
TOTAL BASE BID					
TOTAL BASE BID (Written)					

Low bid will be determined based on the sum of the Total Base Bid.

STORM SEWER (CONT.)											
FROM STRUCTURE NO.	TO STRUCTURE NO.	ROADWAY	STATION BEGIN	OFFSET (FT.)	STATION END	OFFSET (FT.)	SIDE	732-10-24 24" FLARED END SECTION (METAL) (EA)	604-05-08 8" YARD INLINE DRAIN (EA)	726-55-08 8" CORRUGATED PLASTIC PIPE (LF)	JSP ARCHED RCP CULVERT EXTENSION (EA.)
-	-	FREYMUTH	104+84.47	94.10	105+17.83	69.54	RT	2.0	-	-	-
-	-	FREYMUTH	114+69.23	23.82	114+70.20	38.84	RT	-	-	-	1.0
EX 100	AI 101	FREYMUTH	114+65.82	25.75	112+50.25	26.65	LT	-	-	-	-
AI 101	SCI 102	FREYMUTH	112+50.25	26.65	111+50.67	19.48	LT	-	-	-	-
SCI 102	SCI 103	FREYMUTH	111+50.67	19.48	109+93.04	26.01	LT	-	-	-	-
SCI 103	SCI 104	FREYMUTH	109+93.04	26.01	108+27.93	26.01	LT	-	-	-	-
SCI 104	DCI 105	FREYMUTH	108+27.93	26.01	106+58.34	26.01	LT	-	-	-	-
DCI 105	SCI 106	FREYMUTH	106+58.34	21.00	104+38.68	26.01	LT	-	-	-	-
SCI 106	SCI 107	FREYMUTH	104+38.68	26.01	102+15.31	26.01	LT	-	-	-	-
SCI 107	SCI 108	FREYMUTH	102+15.31	26.01	102+15.31	26.02	LT/RT	-	-	-	-
AI 101	AI 120	FREYMUTH	112+50.25	26.65	112+43.63	33.41	LT/RT	-	-	-	-
SCI 102	SCI 130	FREYMUTH	111+50.67	19.48	111+50.68	19.48	LT/RT	-	-	-	-
SCI 103	SCI 140	FREYMUTH	109+93.04	26.01	109+93.05	26.01	LT/RT	-	-	-	-
SCI 103	EX	FREYMUTH	109+93.04	26.01	109+88.44	33.51	LT	-	-	-	-
SCI 140	SCI 141	FREYMUTH	109+93.05	26.01	109+30.26	106.43	RT	-	-	-	-
SCI 141	AI 142	FREYMUTH	109+30.26	106.43	108+97.76	106.43	RT	-	-	-	-
SCI 104	SCI 150	FREYMUTH	108+27.93	26.01	108+27.93	26.01	LT/RT	-	-	-	-
DCI 105	SCI 160	FREYMUTH	106+58.34	21.00	106+58.34	26.01	LT/RT	-	-	-	-
SCI 160	AI 161	FREYMUTH	106+58.34	26.01	106+56.69	44.57	RT	-	-	-	-
AI 161	FES 162	FREYMUTH	106+56.69	44.57	106+03.42	42.51	RT	-	-	-	-
SCI 106	SCI 170	FREYMUTH	104+38.68	26.01	104+38.68	26.01	LT/RT	-	-	-	-
EX 100	DCI 201	FREYMUTH	114+65.82	25.75	115+13.64	16.52	LT	-	-	-	-
DCI 201	DCI 202	FREYMUTH	115+13.64	16.52	117+50.01	16.26	LT	-	-	-	-
DCI 202	MH 203	FREYMUTH	117+50.01	16.26	119+32.95	22.18	LT	-	-	-	-
MH 203	MH 204	FREYMUTH	119+32.95	22.18	120+18.77	15.72	LT	-	-	-	-
MH 204	DCI 205	FREYMUTH	120+18.77	15.72	120+82.34	16.23	LT	-	-	-	-
DCI 205	SCI 206	FREYMUTH	120+82.34	16.23	122+91.50	16.26	LT	-	-	-	-
SCI 206	SCI 207	FREYMUTH	122+91.50	16.26	122+91.50	16.26	RT	-	-	-	-
DCI 201	DCI 220	FREYMUTH	115+13.64	16.52	115+14.89	16.52	LT/RT	-	-	-	-
DCI 220	DCI 221	FREYMUTH	115+14.89	16.52	115+39.89	16.52	RT	-	-	-	-
DCI 202	GI 230	FREYMUTH	117+50.01	16.26	117+50.01	12.25	LT/RT	-	-	-	-
DCI 205	SCI 240	FREYMUTH	120+82.34	16.23	120+82.34	16.26	LT/RT	-	-	-	-
MH 302A	MH 304	SERIES 300	50+48.57	-	50+48.57	-	-	-	-	-	-
AI 305	AI 305	SERIES 300	50+48.57	-	51+51.92	-	-	-	-	-	-
AI 306	AI 306	SERIES 300	51+51.92	-	52+52.78	-	-	-	-	-	-
AI 307	AI 307	SERIES 300	52+52.78	-	53+87.82	-	-	-	-	-	-
AI 307	AI 308	SERIES 300	53+87.82	-	56+87.12	-	-	-	-	-	-
AI 308	DAI 309	SERIES 300	56+87.12	-	58+98.26	-	-	-	-	-	-
DAI 309	AI 310	SERIES 300	58+98.26	-	61+32.26	-	-	-	-	-	-
AI 310	AI 311	SERIES 300	61+32.26	-	62+68.79	-	-	-	-	-	-
AI 311	DCI 312	SERIES 300	62+68.79	-	128+62.25	16.50	LT	-	-	-	-
DCI 312	DCI 313	FREYMUTH	128+62.25	16.50	128+62.08	18.75	LT/RT	-	-	-	-
DCI 313	SCI 314	FREYMUTH	128+62.08	18.75	128+25.75	16.50	RT	-	-	-	-
SCI 314	AI 315	FREYMUTH	128+25.75	16.50	128+00.00	30.50	RT	-	-	-	-
AI 306	AI 320	SERIES 300	70+00.00	-	70+50.22	-	-	-	-	-	-
AI 320	DCI 321	SERIES 300	70+50.22	-	71+83.93	-	-	-	-	-	-
DCI 312	SCI 330	FREYMUTH	128+62.25	16.50	128+25.75	16.50	LT	-	-	-	-
SCI 330	AD 331	FREYMUTH	128+25.75	16.50	127+41.60	24.86	LT	-	-	85.0	-
AD 331	AD 332	FREYMUTH	127+41.60	24.86	126+59.31	25.79	LT	-	-	83.0	-
DAI 309	MH 309A	SERIES 300	58+98.26	-	-	-	-	-	-	-	-
PROJECT TOTAL								2.0	2.0	168.0	1.0

CONDUIT		
SHEET NO.	ROADWAY	2" PVC CONDUIT (SHLD 80)
12	S. PARK ENTRANCE	326
PROJECT TOTAL		326

DATE: 1/10/2013

DESIGN BY: CET

DRAWN BY: ALD

PROJECT NO.: 12015

SHEET NO. 3

TOTAL SHEETS 84

CBPA

engineers

225 South Main Street
O'Fallon, Missouri 63366
636.240.2444
www.cbpaem.com

Michael C. Erdmann
Professional Engineer
License No. 2010018534

FREYMUTH ROAD RECONSTRUCTION

CITY OF LAKE ST. LOUIS

FEDERAL AID PROJECT NO. 57P-5503(602)

REVISIONS

BY: APPROVED

DATE

MCE

DATE

MCE

1

01/09/2013

QUANTITIES

SHEET 6 OF 6