

### **Phase II (South of Truman Road)**

Phase II includes detailing the complete removal of the RCB extension to the headwall of the existing RCB, the extension of a new RCB including the extension of a side RCB. This work is limited to the area of work performed in Phase I. This scope includes the following tasks:

1. Use survey data for south culvert extension from City of Independence and surveys from Phase I.
2. Perform engineering required for 404 Permit and NOI.
3. Perform engineering and produce drawings to address new culvert extension and slope stability.
4. Perform engineering and produce drawings to address erosion and traffic control layouts.
5. Notify utilities of planned improvements.
6. Discuss proposed design with City and MoDOT.
7. One site visit during construction.

### **Phase III (North of Truman Road)**

Phase III is encompassed by the property at 11008 East Truman Road, and includes topographic surveys and engineering of a RCB extension and grading related to the demolition of the building. It is anticipated that an RCB extension will be necessary to provide a stable, safety recoverable slope from Truman Road.

1. Provide dimensions for the approximate property lines.
2. Review and assess existing conditions and geotechnical information. It is expected that four borings will be completed. Two on the south side of the building to assess the slope stability without the basement wall, and two on the north side of the building to assess slope stability to abutting properties.
3. Perform engineering and produce drawings to address new RCB extension and slope stability.
4. Perform engineering and produce drawings to address erosion and traffic control layouts.
5. Discussing the overall demolition strategy for the building demolition with demolition contractor.
6. Produce drawings and specifications defining the parameters for the demolition contractor's scope.
7. Notify utilities of planned improvements.
8. Coordinate design with City and MoDOT.
9. One site visit during construction.



- Heavy Highway
- Water & Sewer Treatment Plants
- Industrial/Power

Radmacher Brothers Excavating Company, Inc.

Job Name	Job Location	
Truman & Harris Emergency Repairs Phase II and III	Truman and Harris	
Attn:	FAX	Email
Athena Huynh		

We hereby submit specifications and estimates for:

Line #	Description	Est. Quantity	Units	Unit Price	Extension
<b>PHASE II</b>					
1	Mobilization	1	LS	\$ 48,708.40	\$ 48,708.40
2	Removals	1	LS	\$ 23,340.19	\$ 23,340.19
3	Earthwork	1	LS	\$ 30,030.78	\$ 30,030.78
4	12x12 RBC Extension	1	LS	\$ 272,059.72	\$ 272,059.72
5	Traffic Control	1	LS	\$ 1,535.04	\$ 1,535.04
6	Rock Blanket	1	LS	\$ 6,831.05	\$ 6,831.05
7	Erosion Control	1	LS	\$ 7,352.49	\$ 7,352.49
8	Adjust MH/Connect Storm Drain	1	LS	\$ 6,297.37	\$ 6,297.37
9	Construction Staking	1	LS	\$ 5,410.16	\$ 5,410.16
10	Engineering	1	LS	\$ 37,343.00	\$ 37,343.00
<b>PHASE III</b>					
1	Clearing and Removals	1	LS	\$ 20,912.14	\$ 20,912.14
2	Building Demolition	1	LS	\$ 98,478.28	\$ 98,478.28
3	Earthwork	1	LS	\$ 31,358.31	\$ 31,358.31
4	Gravity Wall	1	LS	\$ 31,470.29	\$ 31,470.29
5	Traffic Control	1	LS	\$ 13,530.27	\$ 13,530.27
6	Rock Blanket	1	LS	\$ 6,831.05	\$ 6,831.05
7	Erosion Control	1	LS	\$ 17,155.81	\$ 17,155.81
8	Construction Staking	1	LS	\$ 3,606.77	\$ 3,606.77
9	Guard Rail and Hand Rail	1	LS	\$ 13,997.71	\$ 13,997.71
10	Engineering	1	LS	\$ 51,548.00	\$ 51,548.00
				<b>TOTAL</b>	<b>\$ 727,796.84</b>

#### Notes

- 1) 12'x12' RBC to be in accordance with MoDOT Standard Plans for single box culvert
- 2) Excavated material to be stored onsite for future backfill
- 3) Finished slopes to be stabilized by seeding and application of Type 3 Erosion Control Blanket
- 4) Work to be completed in accordance with MoDOT Standards and Specifications as of 7-17-1
- 5) Basement walls to be left in place with a 2 ft vertical exposed face
- 6) Excavated areas will be backfilled at slope of 3:1 or flatter
- 7) Quote does not include asbestos removal as none was noted in the report supplied by the City
- 8) Existing sanitary sewer assumed to be trenched into rock. Encasement is excluded from this proposal.

We Propose hereby to furnish material and labor --- complete in accordance with above specifications, for the sum of:

As Stated Above

dollars \$ **727,796.84**

Submitted By:

**Radmacher Brothers Excavating**

By

**Ben Cummings, Project Manager**