



1450 Washington St  
Muscatine IA 52761-5040  
(563) 263-8933  
Fax (563) 263-2127

Public Works

City Transit  
263-8152

## MEMORANDUM

Equipment Maintenance  
Roadway Maintenance  
Collection & Drainage  
Building & Grounds  
Engineering

To: Mayor and City Council Members

CC: Greg Jenkins, Interim City Administrator

FROM: Brian Stineman, Public Works Director

DATE: August 13, 2020

RE: Request to Issue Purchase Order for Railroad Crossing Removal and Repair.

## INTRODUCTION:

The railroad crossing on Dick Drake Way that leads to Muscatine Power and Water Unit 9 has deteriorated and is need of repair. As part of the right of way agreements with MPW and GPC the City of Muscatine is required to provide maintenance to this crossing

## BACKGROUND:

MPW no longer has use for this set of tracks and has coordinated with Canadian Pacific Railroad to lock out the spur and discontinue use of the rail. Since the crossing is no longer necessary the Public Works Department proposes to remove the existing crossing and replace it with full-depth concrete. This will greatly reduce the amount of maintenance necessary in the future and will hold up much better to the heavy truck traffic that uses this section of Dick Drake Way to access GPC.

Public Works received multiple quotes to remove the tracks and replace the area with concrete. The combined bid from Muscatine Bridge for track removal and replacement for \$55,058.50 was the lowest cost option.

## RECOMMENDATION/RATIONALE:

Staff recommends that council issue a purchase order to Muscatine Bridge in the amount of \$55,058.50 for the removal of the existing crossing and replacement with concrete. Work can begin immediately upon receipt of the P.O. There is \$198,100 that was previously allocated in the Road Use Tax budget for track replacement to repair this crossing. The net cost savings will free up Road Use Tax funding for other eligible projects.

## BACKUP INFORMATION:

Bid Tabulation  
Muscatine Bridge Quote

**BID TAB RESULTS, DICK DRAKE WAY RR CROSSING REMOVAL**

Public Works Dept.  
1459 Washington Street  
Muscatine, IA 52761

DATE: 5-Aug-20

<b>CONTRACTOR</b>	BMW Builders II	Muscatine Bridge Co.	Trackmasters Inc.
	116 East 11th Street	P.O. Box 950	1825 First Ave
	Muscatine, IA 52761	Muscatine IA, 52761	Silvis, IL 61282

**BID ITEM**

Concrete Removal	Yes	Yes	No
Grade & Compact	Yes	Yes	No
1 1/4" rebar baskets	Yes	Yes	No
1 1/8" treated rebar	Yes	Yes	No
keyway for center line	Yes	Yes	No
10" C-4 Concrete	Yes	Yes	No
tine finish	Yes	Yes	No
sealed w/ white cure	Yes	Yes	No
mobilization	Yes	Yes	No
<b>SUB TOTAL</b>	<b>\$46,500.00</b>	<b>\$49,826.50</b>	<b>\$0.00</b>
Removal of Asphalt	No	Yes	Yes
Removal of rubber pads	No	Yes	Yes
Removal of rails	No	Yes	Yes
Removal of ties	No	Yes	Yes
install switch point lock	No	Yes	Yes
<b>SUB TOTAL</b>	<b>\$0.00</b>	<b>\$5,232.00</b>	<b>\$10,500.00</b>
<b>GRAND TOTAL</b>	<b>\$46,500.00</b>	<b>\$55,058.50</b>	<b>\$10,500.00</b>

NOTE: The total from BMWII, plus the total from Trackmasters to complete the project is \$57,000



P.O. Box 950  
Muscatine, Iowa 52761-0016  
Phone: 563.263.6032  
Fax: 563.263.1521

# Quotation

Owner: City of Muscatine  
Public Works Facility  
1459 Washington St.

Date: 7/30/20

Invoice #: 990-RR Removal

Project: RR Crossing Removal

Location: Industrial Connector Muscatine IA

Description
<p>Quotation to remove the railroad crossing on the industrial connector under a fully closed roadway on a weekend. If MBCo is not the successful bidder of the PCC removal and replacement then that contactor will need to be ready to do whatever is necessary to allow traffic access to GPC after MBCo removes the asphalt and RR crossing. No single lane removal w/ 2 mobs is included.</p> <p>Work includes:</p> <ul style="list-style-type: none"> <li>Removal of all ACC in between tracks and on both sides. Total of 2823 sf and hauled off site</li> <li>Removal of existing rubber pads within crossing and hauled to City transfer station. I do not have tipping fees included. If we need to include the tipping fee cost there will be a 10% markup on the charge.</li> <li>Rails will be unbolted at a connection outside of the shoulders and then removed from the ties. All ties from edge of should to edge of shoulder will be removed. MP&amp;W wants all remaining ties to stay in place to hold the railbed.</li> <li>No excavation under or beyond removal of asphalt &amp; ties.</li> <li>No rock subbase included.</li> </ul>

Comments:  
City to deliver traffic control to close roadway and enough to leave single lane closure w/ alternating traffic after removal if MBCo does 2<sup>nd</sup> phase.

Removal of all ACC cost. \$1,680.00

Total Cost: \$5,232.00

Requested Term: Net 30

Date Promised: \_\_\_\_\_

Signed: *Pat Fox*



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# Quotation

Owner: City of Muscatine  
Public Works Facility  
1459 Washington St.

Date: 7/30/20

Invoice #: 990-RR PCC

Project: RR Crossing PCC

Location: Industrial Connector Muscatine IA

Description
<p>Quotation for the following work:</p> <p style="padding-left: 40px;">Removal of existing PCC tapers, no ACC removal (RR removal)</p> <p style="padding-left: 40px;">Excavation where asphalt and railbed was, to allow for 10" pcc over 12" subbase</p> <p style="padding-left: 40px;">Rock subbase from City yard placed under 10" PCC and fill to top of pavement on temp road side</p> <p style="padding-left: 40px;">Form and pour new 10" PCC w/C4 mix using CD baskets, #5 tie bars drilled along existing, 1.5" dowels at the RD joint each end.</p> <p style="padding-left: 40px;">New pavement to have transverse tine surface texture, cured with white pigment and sealed jts.</p> <p style="padding-left: 40px;">New 10" rock shoulders placed on both sides where crossing was.</p>

Comments:

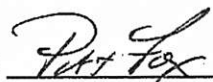
City to provide traffic control onsite for lane closure and alternating traffic. MBCo will maintain

Pavement marking provided by City

Total Cost: \$49,826.50

Requested Terms: Net 30

Date Promised: \_\_\_\_\_

Signed: 

# Quote for Industrial Connector PCC

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Muscatine Bridge Co., Inc.  
PO Box 950  
Muscatine, IA 52761  
mbco@muscatinebridge.com

**Contact:** Pat Fox  
**Phone:** (563) 263-6032  
**Fax:** (563) 263-1521  
**Cell:** (563) 349-8225

**Bond:** Not Included  
**Sales Tax:** Not Included  
**Bid Date:** 07/31/2020

**Quote To:** Randy Howell  
City of Muscatine Public Works  
1459 Washington St.  
Muscatine IA 52761

**Phone:** (563) 263-8933  
**Fax:**  
**Email:**

Item	Description	Quantity	Unit	Unit Price	Extension
10	Removal of PCC	130.000	SY	14.000	1,820.00
20	Excavation at ACC & RR to subgrade	226.000	CY	8.500	1,921.00
30	12" Subbase at ACC and RR	370.000	SY	10.000	3,700.00
40	10" PCC w/ CD Baskets	440.000	SY	85.000	37,400.00
50	8' wide shoulders 10" thick thru RR crossing area	53.000	CY	29.500	1,563.50
60	Traffic Control Maintenance	1.000	LS	500.000	500.00
70	Temp roadway rock	58.000	CY	34.000	1,972.00
80	Mobilization	1.000	LS	950.000	950.00
				<b>Total Quote: \$</b>	<b>49,826.50</b>

**Inclusions/Exclusions:**

Sales tax is not included. Certificate to be provided by City

City provides traffic control

City to provide subbase at no charge FOB lower lot

Pavement alignment & profile to be done by MBCo and approved by City