

Source: Public Works

To: City Council

From: City Manager and Staff/

Council Meeting Date:

Feb 18, 2013

Agenda Item No: REP 29-13

Re: Providence Road (Stadium Boulevard to North of Turner Avenue)

EXECUTIVE SUMMARY:

Staff has prepared for Council consideration a report presenting a comparison of cost estimates for the new residential street connecting Burnam Road and Bingham Road, approved with Phase 1 of the Providence Road project, versus improving Birch Street, which connects Burnam Road and Bingham Road, approximately one-quarter mile west of Providence Road.

DISCUSSION:

At the November 19, 2012 public hearing, Council directed staff to proceed with final design of Phase 1 of improvements along Providence Road, between Stadium Boulevard and Stewart Road, as shown on the attached diagram. The project includes alterations to the intersections, and turn lanes along Providence Road. The project also includes the severing of access to Providence Road at Bingham Road, in order to direct traffic from Grasslands Subdivision to the proposed signal at Burnam. To accomplish this, a new residential street was proposed that connects Bingham Road to Burnam Road. Construction of the Phase 1 portion of this new street would require the acquisition of three parcels of land that front Providence Road, and the demolition of two houses.

As an alternative to severing access at Bingham Road, and constructing the new residential street, Birch Street could be improved to current standards for a residential street. Birch Street connects Burnam Road and Bingham Road, approximately one-quarter mile west of Providence Road. It is an unimproved, narrow street that would require re-construction to current standards. In addition, staff feels that a sidewalk along the south side of Burnam Road, from Birch Street to Providence Road, would be warranted. Finally, since the access to Providence Road would not be severed with this scenario, either a narrow 12" median on Providence Road, or reconstruction of Bingham Road as a Right-In-Right-Out intersection, would be needed.

The cost of this alternative would be less than constructing the new residential street.

The preliminary estimated costs to improve Birch Street include the following:

1. Reconstruct Birch to residential feeder (32')	\$190,200
2. Construct sidewalk on south side of Burnam, from Providence to Birch	\$233,400
3. Bingham intersection (reconstruct to Right-in Right-out)	\$25,200
4. 12-inch median and flexible yellow delineators on Providence	\$94,000

The preliminary estimated cost savings that would result include the following:

1. Delete new residential feeder street from Burnam to Bingham, including costs	;
for acquisition of complete parcels of land and house demolition:	- \$1,533,700
2. Delete Bingham intersection (reconstruct to sever access)	<u>- \$20,100</u>

Estimated Net Savings: - \$1,011,000

Notes:

*MoDOT will likely require either the 12" median or the reconstruction of Bingham as a Right-in Right-out.

*Cost to reconstruct Birch to residential street (28') is \$181,500

*Cost to reconstruct Birch to access street (24') is \$160,600. Typical sections for residential feeder, residential street, and access street are attached.

FISCAL IMPACT:

The estimated costs are identified above.

VISION IMPACT:

http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php

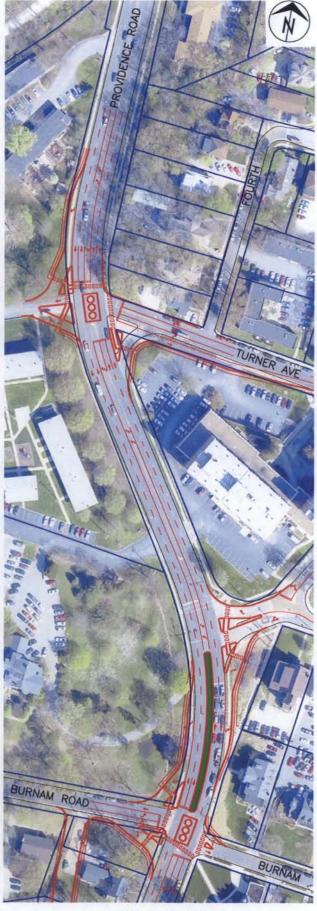
None

SUGGESTED COUNCIL ACTIONS:

For information only.

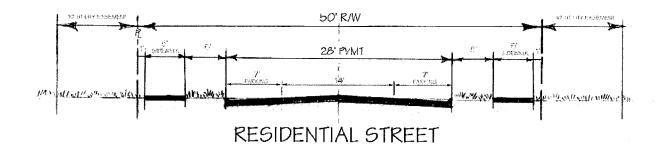
FISCAL and VISION NOTES:							
City Fiscal Impact Enter all that apply		Program Impact		Mandates			
City's current net FY cost	\$0.00	New Program/ Agency?	No	Federal or State mandated?	No		
Amount of funds already appropriated	\$0.00	Duplicates/Epands an existing program?	No	Vision Implementation impact			
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site			
Estimated 2 yea	ar net costs:	s: Resources Required		Vision Impact?	No		
One Time	\$0.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #			
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #			
		Requires add'l capital equipment?	No	Fiscal year implementation Task #			

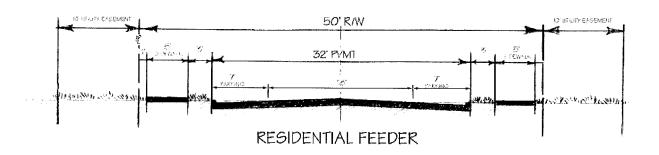


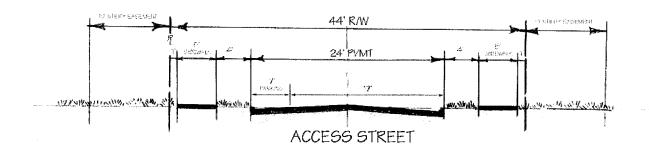


PROVIDENCE ROAD
TURNER AVENUE TO STADIUM BOULEVARD
PHASE 1









Local Residential Street Standards