July 17, 2017

TO: ACHD Commissioners, ACHD Director, ACHD Deputy Directors

FROM: Joseph Tate III, P.E., P.T.O.E.; Project Manager

SUBJECT: Linder Rd and Deer Flat Rd
ACHD Project # 313024, ITD Key # 13492
Regular Agenda Item: July 26, 2017 Commission Meeting

Executive Summary
This is a federal aid project to improve the intersection of Linder Road and Deer Flat Road including the addition of exclusive right-turn lanes, curb and gutter, sidewalk, and bike lanes. Right of way acquisition is planned for FY18 and Construction is planned for FY20. Option 1A includes a 300’ long median curb on the west leg and a 350’ median curb on the north leg. Design Option 1B (prepared as directed by the ACHD Commission) excludes the use of median curbs for this project. Staff recommends Alternative 1, Approve Design Option 1A which includes median curbs on the west and north legs of the intersection.

Facts & Findings
The ACHD Commission directed staff to review the 75% design with them before proceeding further. The 75% design has now been completed and the Design Approval was issued on March 15th, 2017.

The proposed project design includes a 6-inch-high, 300-foot-long median curb on the west leg and a 6-inch-high, 350-foot-long median curb on the north leg. Currently, there is a 160-foot-long median on the west leg, and there is a three-quarter access on this west leg now. This west leg access would change to right in/right out. A current full access on the west side of the north leg would also change to right in/right out. This design meets our current policy and engineering safety standards while maintaining access to existing properties and businesses.

The proposed design accommodates a single left turn lane on the west leg, and a dual left turn lane on the north leg. The storage needed for these left turns goes well beyond the existing business driveways on both the north and the west legs of the intersection. The new medians are needed to accommodate and protect this storage. Option 1A includes a 300’ long median curb on the west leg and a 350’ median curb on the north leg. Design Option 1B (prepared as directed by the ACHD Commission) excludes the use of median curbs for this project. Option 1B also includes an island at the driveway on the west leg to eliminate left turns out and to provide left in, right in and right out as it is today.

Programmed Expenditures:
FY17-FY21 IFYWP and FY17 Approved Budget

<table>
<thead>
<tr>
<th>Category</th>
<th>Budget 2017</th>
<th>Budget 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Services - DSN</td>
<td>$300,000</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>$5,000</td>
<td></td>
</tr>
<tr>
<td>Appraisals - RW</td>
<td>$20,000</td>
<td></td>
</tr>
<tr>
<td>RW Acquisition</td>
<td>$300,000</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>$163,000</td>
<td></td>
</tr>
<tr>
<td>Construction Engineering</td>
<td>$24,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total Federal and Local Dollars:</strong></td>
<td>$3,314,000</td>
<td></td>
</tr>
</tbody>
</table>

IFYWP Priority Rater: 44 of 70
Fiscal Implications
None.

Policy Implications
This project was approved as part of the FY17 Budget and the 2017-2021 Integrated Five Year Work Plan, adopted by the ACHD Commission on October 26, 2016.

The existing access on the west leg is approximately 135’ from the intersection and the existing access on the north leg is approximately 220’ from the intersection. ACHD Policy Section 7205.4.5 states that a full-movement driveway shall be located a minimum of 660’ and a minimum of 710’ from an intersection of an arterial roadway for single and dual left turn lanes, respectively. ACHD Policy further states that a right-in/right-out driveway shall be located a minimum of 330’ from an intersection of an arterial roadway.

Alternatives
1) Approve Design Option 1A which includes a 300’ long median curb on the west leg and a 350’ median curb on the north leg.
2) Approve Design Option 1B which excludes the use of median curbs for this project.

Recommendation
Staff recommends Alternative 1, Approve Design Option 1A which includes a 300’ long median curb on the west leg and a 350’ median curb on the north leg.

cc: Project File