

Frontage Road Option

PREPARED FOR: Tim Eversoll /CH2M HILL

PREPARED BY: Aaron Swafford /CH2M HILL

COPIES: Zeke Lynch /CH2M HILL
Will Voss /CH2M HILL
Chris Angleman /CH2M HILL

PROJECT: US 6 and Wadsworth Boulevard Interchange Environmental Assessment

DATE: May 7, 2008

Introduction

We had a meeting to brainstorm frontage road options to avoid 4f properties, improve neighborhood traffic and improve operations. Several options were discussed and are outlined in the following sections.

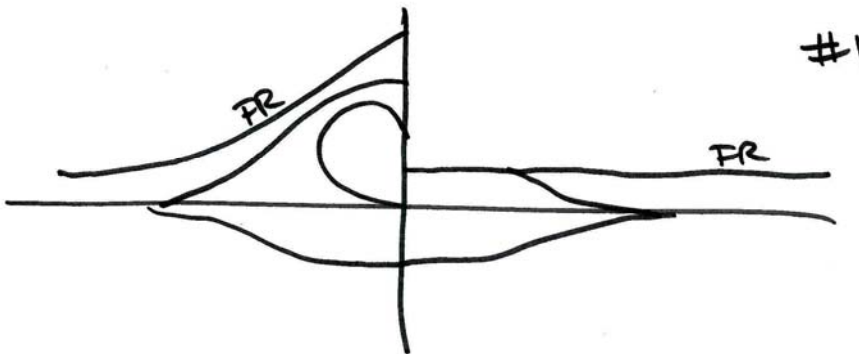
A plot of the preferred alternative with the 4f properties highlighted, named [15215DA3-EXHIBIT-INT.pdf](#), is located on the ftp site under the following location:

ftp://ftp.ch2m.com/US6Wadsworth/1_CH2M%20HILL/Roadway/Preferred_Alt/

Avoiding 4F properties near the interchange

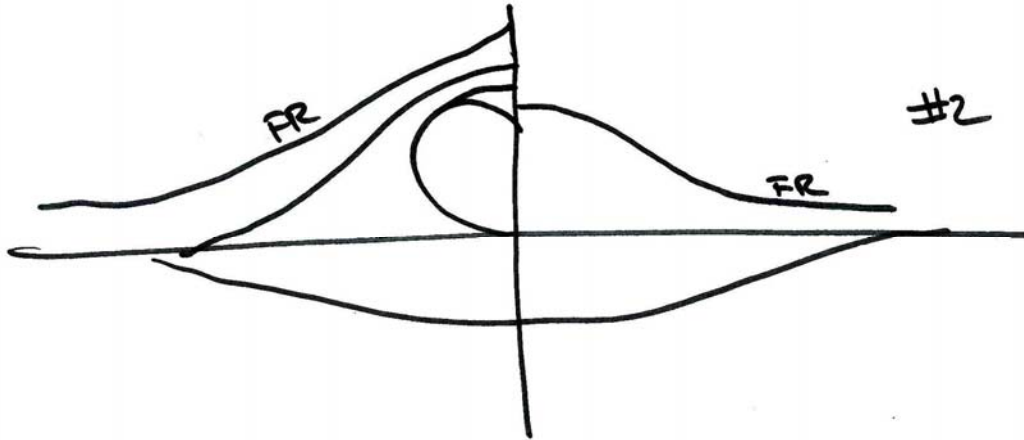
1. Move the NE off ramp closer to US 6 and merge the NW one way frontage road into the ramp.
 - a. Reduces interchange operations by adding a signal to Wadsworth
 - b. Connects frontage road to freeway facility
 - c. Increases impacts to properties north along US 6 due to the increased distance necessary for the merge length prior to the intersection.

EXHIBIT 1



2. Folded Diamond with NE frontage road intersecting with ramp intersection.
 - a. Reduces interchange operations by adding a signal to Wadsworth
 - b. There are significant operational issues with the Loop B to separate turning movements and keeping queues from impacting the free flow movement.

EXHIBIT 2



3. Move the NE off ramp closer to US 6 and bring in two way frontage road to one intersection. See both figures below, a overall plan and intersection detail (suggested by Michael Davies /FHWA)
 - a. Reduces interchange operations by adding a signal to Wadsworth
 - b. Signal operations would be very difficult due to side by side right turns to northbound Wadsworth. Similar to existing 13th.

EXHIBIT 3A

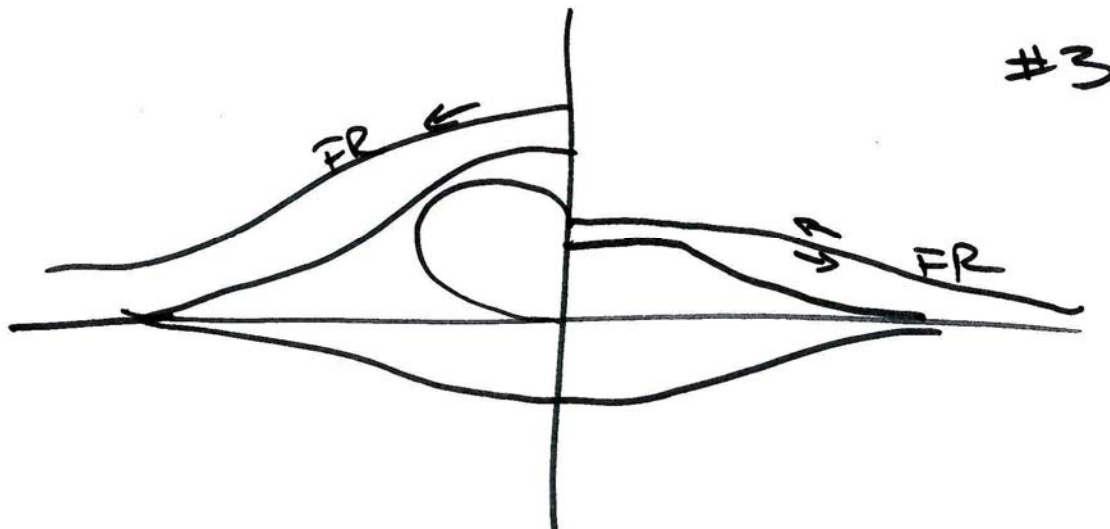
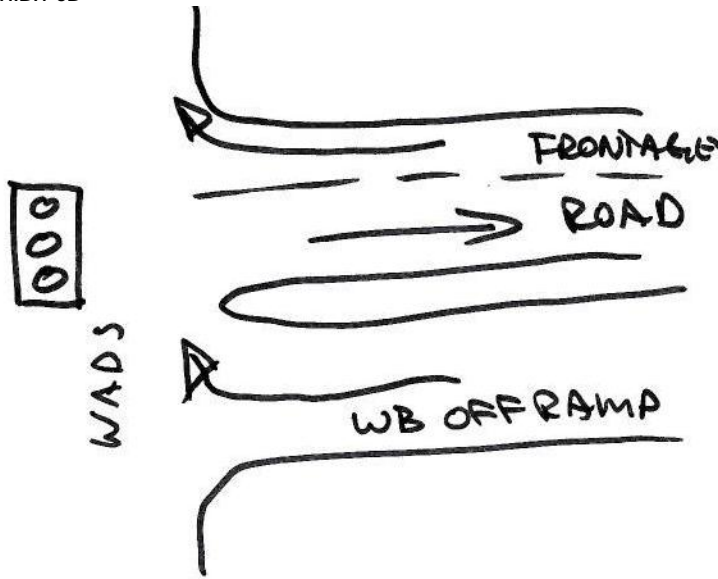
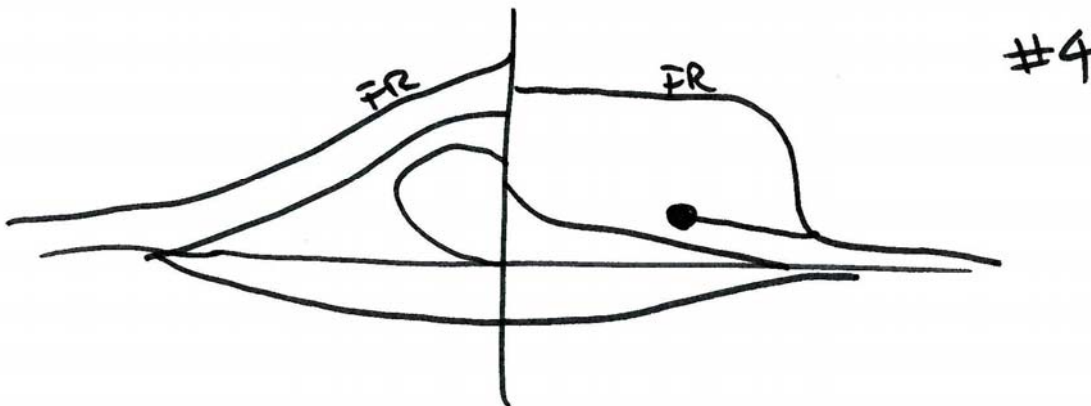


EXHIBIT 3B



4. Cul-de-sac NE frontage road to a private drive and route frontage road traffic through neighborhood along Broadview Drive.
 - a. Neighborhood traffic
 - b. Frontage road continuity and operation

EXHIBIT 4

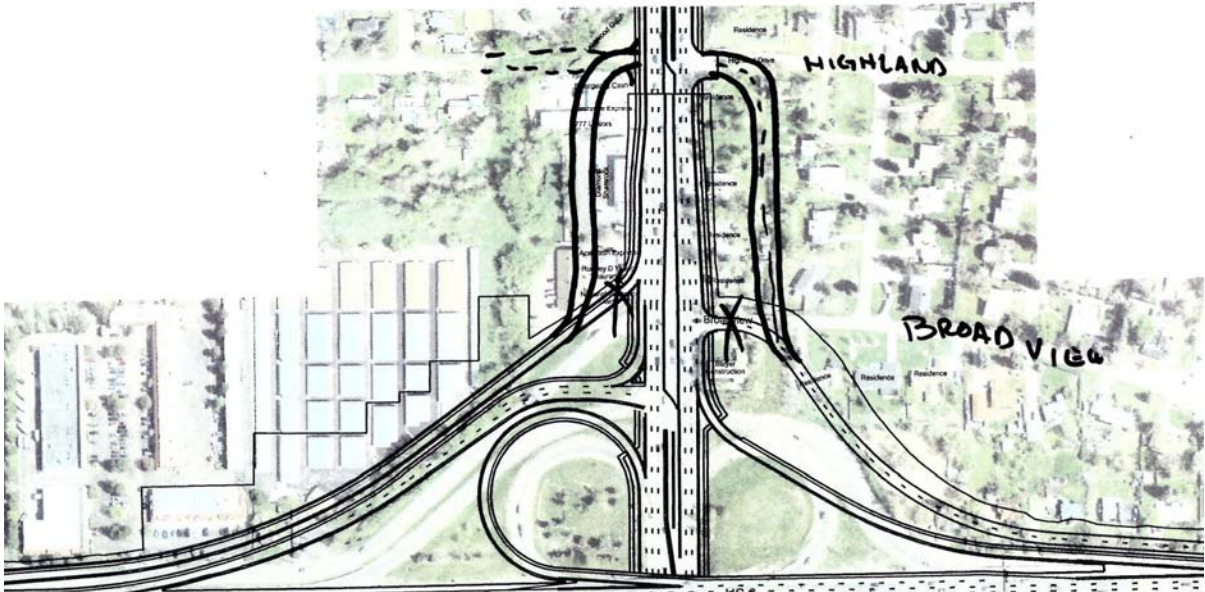


Reduce Neighborhood cut through traffic and Improve Frontage Road operations

5. Move the north Frontage Road intersection from Broadview to Highland utilizing ROW impacts along Wadsworth to improve intersection spacing.
 - a. Improve neighborhood cut through traffic
 - b. Improve intersection spacing would allow space for NB traffic to turn right onto frontage road.
 - c. Additional ROW take.
 - d. Does not avoid 4f.

EXHIBIT 5

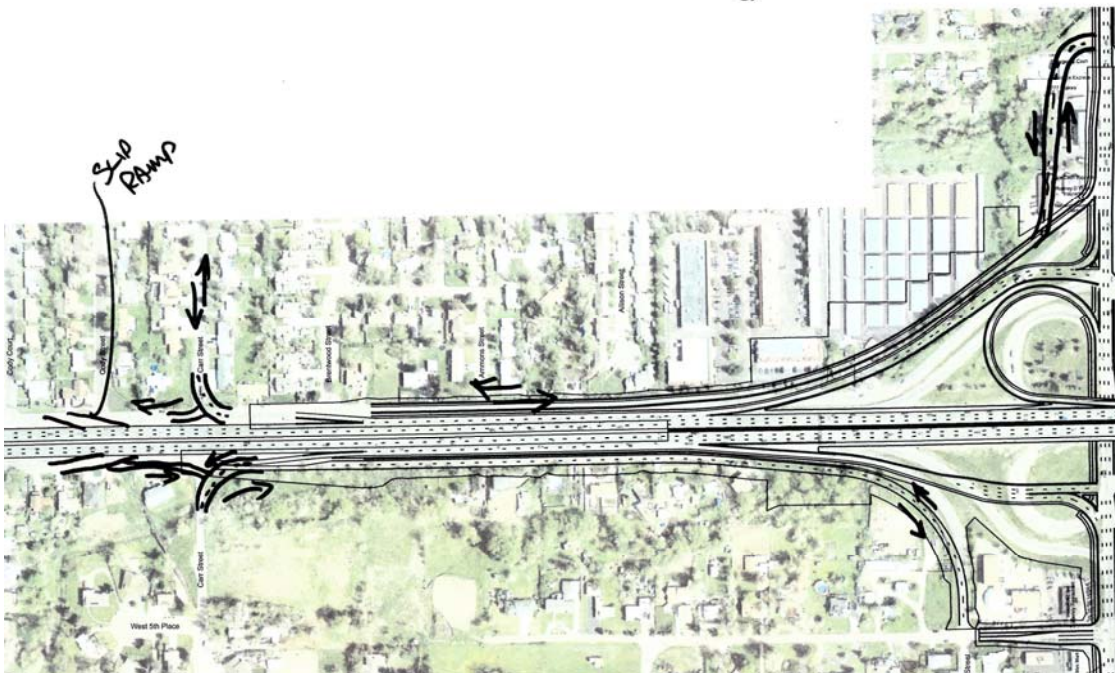
#5



- 6. West frontage roads two way from Carr to Wadsworth. Involves intersection with one way portion of frontage road, which is from Garrison to slip ramps.
 - a. Improves frontage road operations
 - b. Improves neighborhood traffic

EXHIBIT 6

#6



- 7. Make West one way frontage roads single lane and hold edge of pavement.
 - a. Reduce impact to property in NW and SW quadrant.

EXHIBIT 7

