STATE ROUTE 37/ FAIRGROUNDS DRIVE
Interchange Improvements Project
Project Setting

Gateway to City of Vallejo

Gateway to Six Flags Discovery Kingdom

Serves Commuters to/from Napa
Solano 360 Development

112-acre Redevelopment

Public Entertainment, Mixed-Use Development, Transit, & Parking

Will add 1,000 PM peak-hour trips to SR 37/Fairgrounds Interchange
Future Conditions (Intersection)

Future Projections intersection Blockage

Queues Stretch back to Freeway

Accident Rate Exceeds Statewide Average
Existing Conditions (Pedestrians)

- Pedestrian Traverse through interchange
- Yield-Only Crossings
- No Safe Crossings of Fairgrounds south of Sage
Project Improvements (South of Sage Street)

Widen Fairgrounds Drive Eastward to add 3rd NB Lane

Modify Traffic Signal at N. Six Flags Exit Intersection
Project Improvements (Interchange Area)

Add Traffic Signal at Sage Intersection

Adopt a Diverging Diamond Interchange Configuration
Diverging Diamond (DDI) Overview

- 100+ in United States (1 in California)
- Increases Safety for all modes
- Eases Traffic Congestion
- Less Expensive than Interchange Reconstruction
Diverging Diamond Vehicle Movements

- Street Movements Cross Over to Left Side (Signal Controlled)
- Free Left turns onto On-ramps (Doubles Capacity)
- Yielding Right Turns to On-ramps
- Off-ramp turns are signalized

(a) Through Crossroad Traffic at the DDI
(b) Left and Right Turning Movement at a DDI
Diverging Diamond Pedestrian Movements

- Shorter Crosswalks
- Signal Controlled Crosswalks
- Barrier-Protected Walkway in Median
Diverging Diamond Bus Movements

Install GTT GPS Pre-Eemption Systems at Ramp Intersections

Install Emitter on Each Bus

Bus Turns on Emitter at Stop
Diverging Diamond Bus Movements

- Consolidates Bus Stops
- Shortens Walking Distance to Six Flags
- Negligible Travel Time Increase (< 2 minutes)

State Route 37/Fairgrounds Drive
Interchange Improvements Project
Diverging Diamond Bicycle Movements

Continuous Class II Bicycle Facilities

State Route 37/Fairgrounds Drive
Interchange Improvements Project
Project DDI Benefits

Safety Improvements
- Reduced Queueing
- Less Conflict Points
- Improved Bike/Pedestrian Facilities

Level of Service Improvement from “D/E” to “A/B”

Improved Transit Access

$2 Million Savings
## Project Construction Costs

<table>
<thead>
<tr>
<th>Category</th>
<th>Construction Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway Construction</td>
<td>$19,900,000</td>
</tr>
<tr>
<td>Landscaping/Aesthetics</td>
<td>$1,100,000</td>
</tr>
<tr>
<td>Right of Way*</td>
<td>$200,000</td>
</tr>
<tr>
<td><strong>Total Construction</strong>**</td>
<td><strong>$21,200,000</strong></td>
</tr>
</tbody>
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| Construction Management   | $3,000,000        |
| **Total Project Cost***   | **$24,200,000**   |

*Right of Way Costs involve Staging Area and County Dedications
** 2022 Dollars. Increases $1 Million Annually every year after 2022
***Available Funding: RM3 $15M; STIP $5M; $4.2 M shortfall
Project Schedule

Engineering
(Now Through July 2021)

Project Approval
(October 2021)

Construction
(May 2022 to November 2022)

Right of Way
(January 2021 – August 2021)

Bidding/Award
(November 2021 to April 2022)
We Welcome Your Questions.