Review – Initial Evaluation

- Identified Objectives
- Developed Initial Evaluation Criteria
- Developed 15 alternatives
  - Freeway Level, Street Level, Mid-Level
  - In-line Station, Off-line Station (East/West)
  - Right Hand DAR, Left Hand DAR, Flyover
- December 1st Site Tour
  - Evaluated Initial Alternatives
    15 Alternatives → 7 Alternatives
## I-805 47TH ST INITIAL SCREENING MATRIX
### NOVEMBER 28, 2012

### RANKING

<table>
<thead>
<tr>
<th>Alt No.</th>
<th>Description</th>
<th>Score</th>
<th>Ranking</th>
<th>Recommended for Detailed Analysis</th>
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<tr>
<td>3c</td>
<td>Track Level, Off-Line Station, Left Hand DAR, East Side Platform</td>
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</table>

Trolley platform assumed to be on east side of freeway for all alternatives except those with ‘w’ in Alt No. where it is assumed to be on the west side of freeway.
Technical Reports

- **Initial Screening Report**
  - Initial 15 alternatives developed into 7 selected alternatives for detailed analysis
  - Detailed descriptions & feasibility of alternatives, evaluation criteria and scoring system

- **Rail Facilities Technical Memorandum**
  - Existing rail facilities and impacts to them based on proposed BRT alternatives
  - Evaluation process used to determine impacts and appropriate measures needed to further evaluate the preferred alternatives that are selected for further evaluation

- **Freeway Facilities Report**
  - Existing conditions and future existing conditions of freeway facilities and constraints/assumptions relating to proposed project alternatives
West Side Alternatives

- **Impact of Moving Trolley Platform**
  - Significant Reconstruction (ROW Acquisition)
  - Speed Reductions
  - Relocate Substation
  - Single Track Operation During Construction

- **Station Access**
  - Vehicles
  - Local Bus Service
  - Parking
Existing Bridges

1. Ocean View Blvd bridge
2. Imperial Ave bridge
3. Greenwood UP (trolley bridge)
4. Market Street bridge
Alt 1a: Freeway Level - In-Line Station

Vertical Connection: Elevators, Stairs, etc.

Side Platform
Major Legends on Exhibits

- PROPOSED BRT PLATFORM
- PROPOSED PEDESTRIAN BRIDGE
- PROPOSED VEHICULAR BRIDGE
- REPLACE EXISTING BRIDGE
Major Project Features: Alt 1a

1. BRT (bus) lanes in median (common to all alternatives)
2. Shift I-805 express lanes and general purpose lanes towards outside median (common to all alternatives)
3. Pedestrian bridge at track level north/south of Greenwood UP (trolley bridge) (common to all alternatives)
4. Freeway level at-grade side platforms, with stairs and elevators
5. Replace trolley bridge and Imperial Ave bridge
Alt 2a: Mid-Level - In-Line Station

- Ramp to Platform
- Ped. Ramp Bridge
- Trolley Bridge

Vertical Connection: Pedestrian bridge (no elevators)
Major Project Features: Alt 2a

1. Mid-level side platforms, with pedestrian ramp bridges to the track level (no elevators, etc.)
2. Replace trolley bridge and Imperial Ave bridge
Alt 3a/3c: Track Level - Left Hand Exit DAR – Inline or Offline Station

Or BRT Station East of freeway

To Exist BRT Station

Lt Hand DAR
Alt 3a/3c: Track Level - DAR – Offline Station
Major Project Features: Alt 3a

1. Track level In-line BRT station with cantilevered platform south of trolley bridge
2. Replace trolley bridge and Imperial Ave bridge
3. Add new ramp (DAR) bridges
Major Project Features: Alt 3c

1. Offline BRT station east of freeway
2. Replace trolley bridge and Imperial Ave bridge
3. Add new DAR ramp bridges and a vehicular bridge next to the pedestrian bridge to offline station
Alt 3h/2c: Flyover Ramp – Offline Station East (Track level or tunnel)
Major Project Features: Alt 3h (track level)

1. New flyovers above the freeway lanes
2. Replace Ocean View Blvd bridge, Imperial Ave bridge, and Market St bridge
3. Trolley bridge will stay
Major Project Features: Alt 2c (Tunnel)

1. New flyovers above freeway lanes, and then through a tunnel below the trolley track east of freeway, would impact apartment buildings.

2. Replace Ocean View Blvd bridge, Imperial Ave bridge, and Market St bridge.
I-805/47th Street BRT/LRT

Questions?
Next Steps

• Score alternatives using detailed criteria
• Station concepts
• Select 3-4 alternatives for environmental phase