

Background

 Follow-up to High Capacity Transit (HCT) Study (2017)

- Recommended freeway-based express bus service on I-80
- New service to Berkeley, Emeryville and Oakland
- · Expanded service to San Francisco
- Parking upgrades and freeway ramp improvements at Hercules Transit Center and Richmond Parkway Transit Center



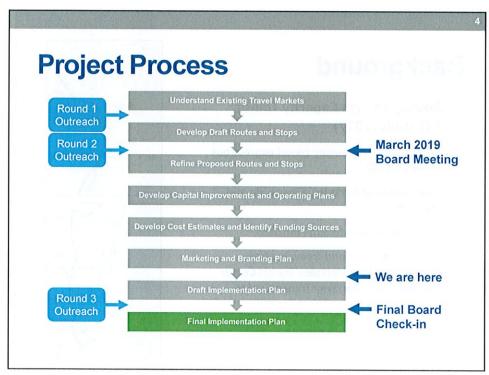


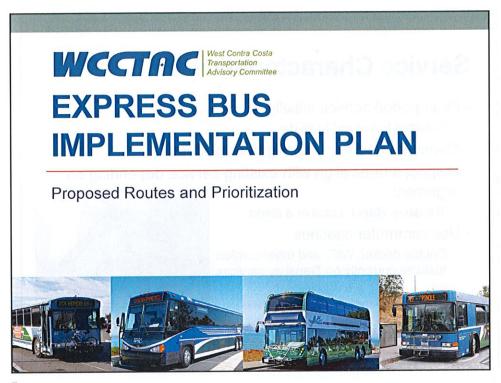
Desired Project Outcomes

- · Determine optimal and sustainable express bus routing
- Identify capital improvements necessary for transit access and priority
- · Identify operating costs and develop funding plan
- · Establish implementation steps
- Engage community and build awareness
- · Prepare marketing and branding plan



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System Summary 8 proposed routes All operate partially on I-80 All serve at least one park & ride in West County Half originate in WestCAT's and half in AC Transit's service areas

Service Characteristics

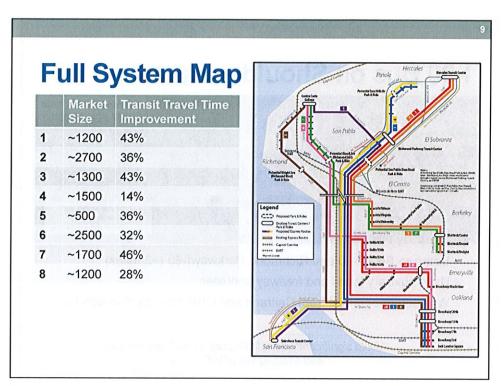
- · Peak-period service initially
 - · Potential to expand to all-day
- 15-minute frequency during peak-periods
- Proposed fares align with existing service depending on alignment
 - · Transbay, Rapid, Local or a blend
- Use commuter coaches
 - Double-decker, WiFi, and other comfort features currently on Transbay services

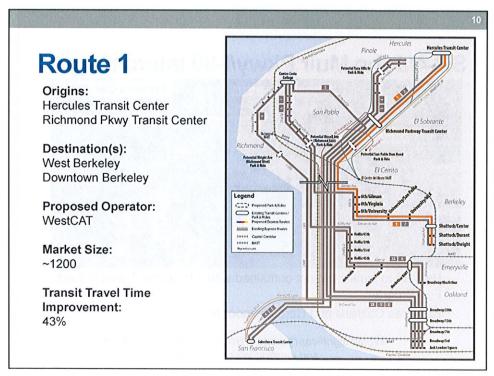


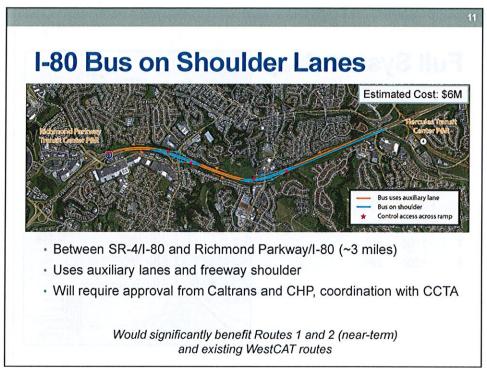
Photo credit: AC Transit

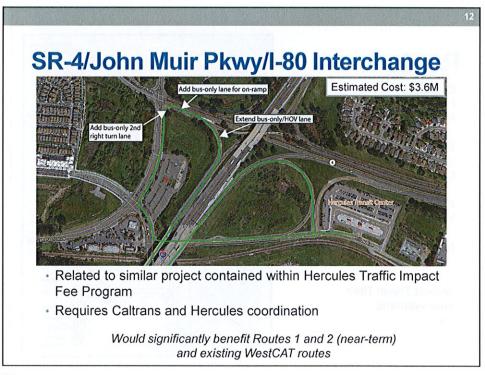
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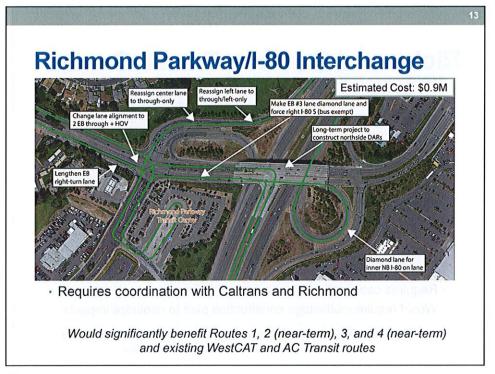
Full System Map Origin Hercules Transit 1 West & Downtown Center Berkeley Hercules Transit Emeryville, Oakland Center Pinole Oakland 3 4 Pinole San Francisco Contra Costa San Francisco College 6 Contra Costa Emeryville, Oakland College Contra Costa West & Downtown College Berkeley Contra Costa Oakland College Operated by WestCAT Operated by AC Transit

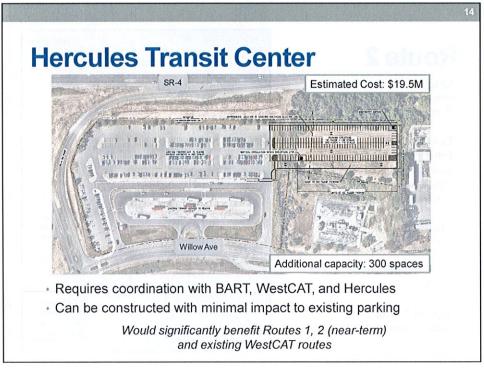


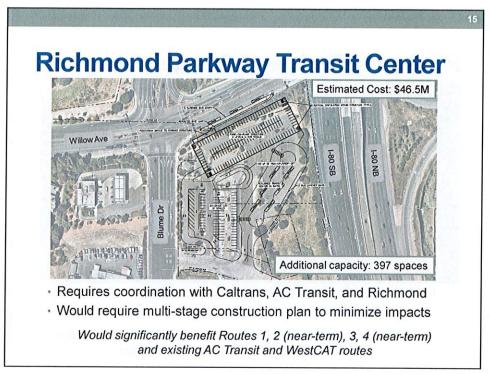


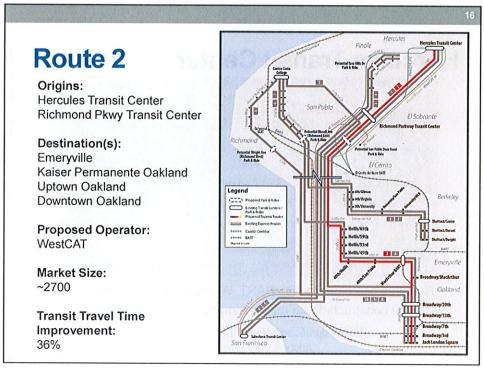












Ashby Ave/I-80 Interchange

- ACTC currently leading a project with Caltrans, Emeryville, and Berkeley to reconfigure Ashby/I-80 interchange
- Construction planned for 2022-2025
- Recommend bus-only lane for EB I-80 on-ramp
- Requires coordination with ACTC and other project partners



Would significantly benefit Routes 2 (near-term) and 6 (near-term)

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Route 2A

Hercules Transit Center Richmond Pkwy Transit Center

Destination(s):

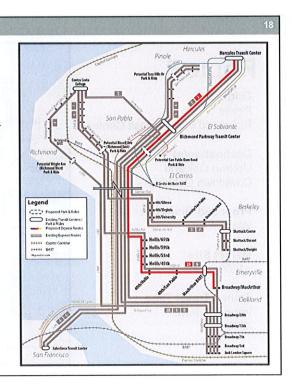
Emeryville Kaiser Permanente Oakland

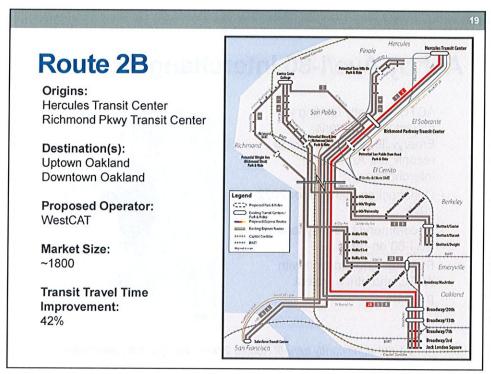
Proposed Operator: WestCAT

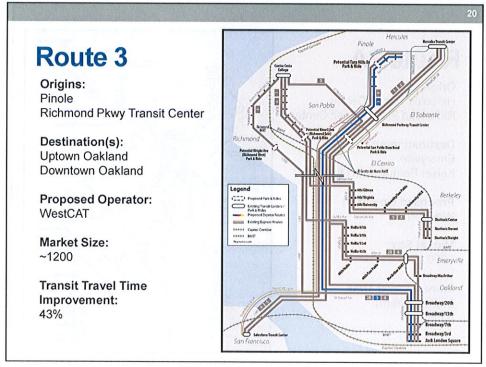
Market Size:

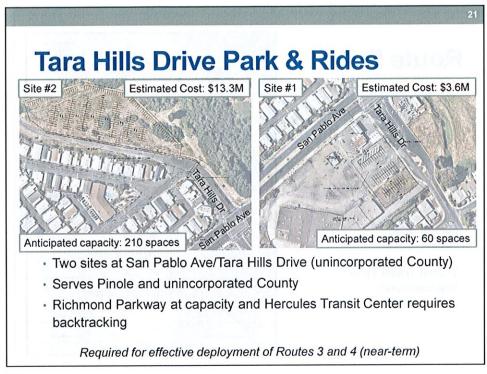
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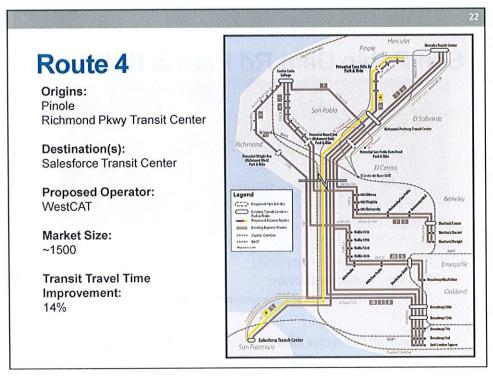
Transit Travel Time Improvement: 61%

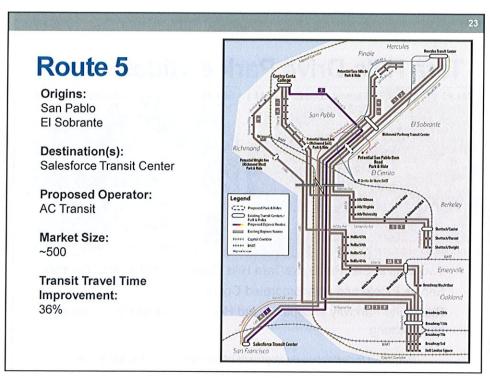


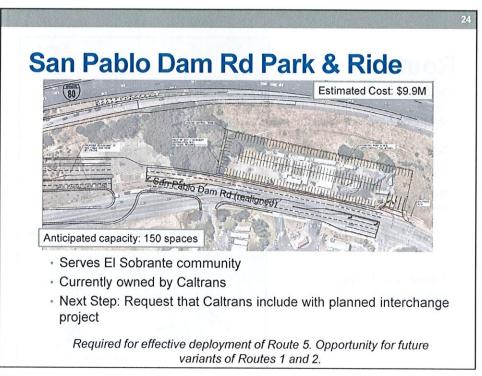


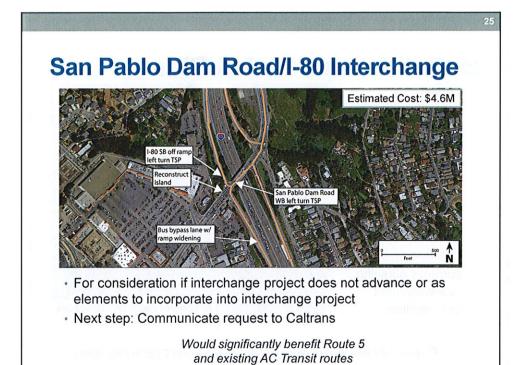


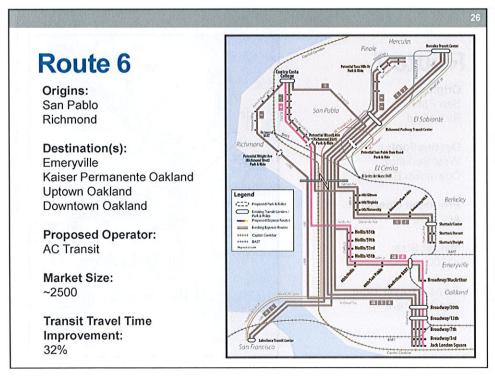














- Serves central/eastern Richmond (located south of Macdonald Ave west of Target)
- Would require minimal improvement over existing conditions
- County-owned, currently pursuing redevelopment opportunities



Required for effective deployment of Routes 6 and 7 (both near-term)

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Route 7

Origins:

San Pablo Richmond

Destination(s):

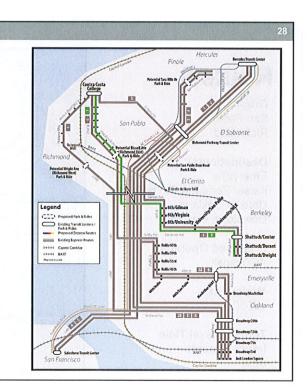
West Berkeley Downtown Berkeley

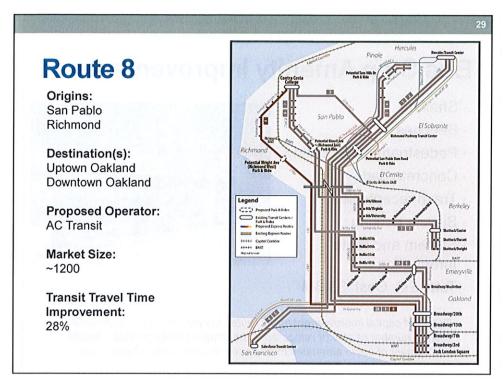
Proposed Operator: AC Transit

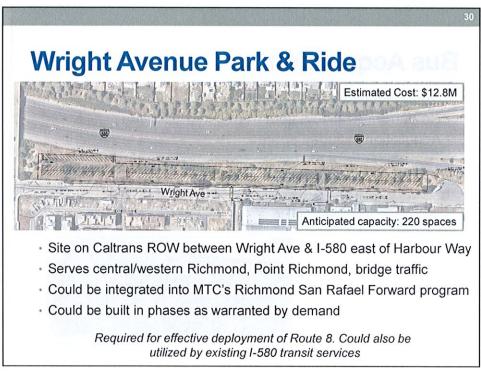
Market Size:

~1700

Transit Travel Time Improvement: 46%







Bus Stop Amenity Improvements

- · Shelters
- Benches
- · Pedestrian-scale lighting
- · Concrete pad
- Trash receptacles
- · Bicycle parking
- · System and route Information
- Total Est. Cost: \$3.3M



Required capital improvement for all routes to upgrade bus stop amenities. Limited number of new or relocated stops required for each route. Actual deployment of some amenities to be based on actual ridership by stop.

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Bus Acquisition

- · Double-decker coach buses for each route
- No current available fleet from either operator
- Acquisition includes spares

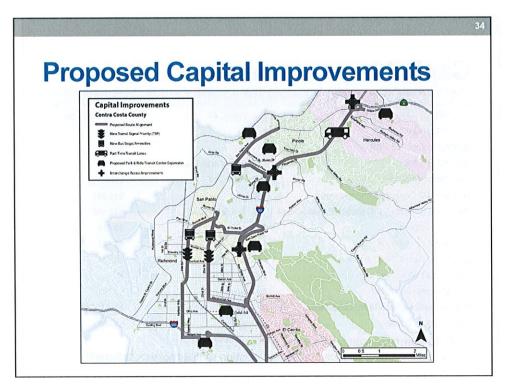
| Phase | Routes | Buses Required | Est. Cost |
|-------------|--|----------------|-----------|
| Near-Term | 2, 4, 6, 7 | 36 | \$36M |
| Long-Term | 1, 3, 5, 8, Route 2 split to become 2A and 2B | 43 | \$43M |
| Full System | 1-8 | 79 | \$79M |

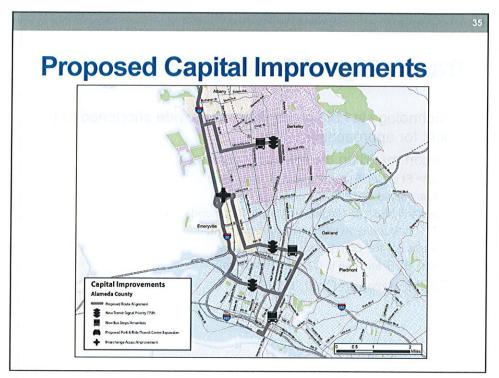


Transit Signal Priority (TSP)

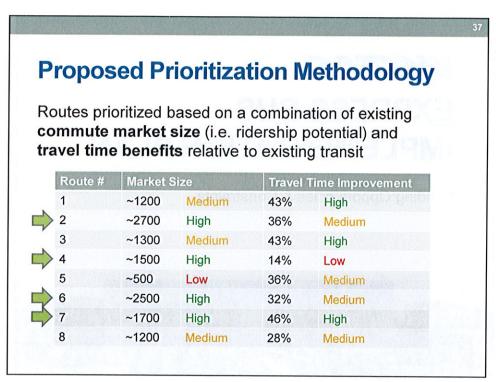
- Technology to hold green lights or provide shortened red light for approaching buses
- Recommend on the following corridors:
 - · 23rd St in San Pablo, Richmond (near-term)
 - · Macdonald Ave in Richmond (near-term)
 - Rumrill Blvd/13th St/Harbour Way in Richmond
 - · 6th St, Shattuck Ave in Berkeley (near-term)
 - Hollis St, 40th St in Emeryville (near-term)
 - · 40th St, Grand Ave in Oakland (near term)
- Total Estimated Cost: \$1.4M

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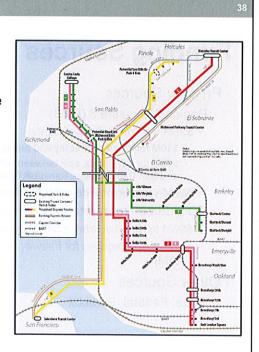


| Capital Improver | nents | |
|--|---------------------------------|-----------------|
| Improvement | Routes Benefiting | Cost (2019\$) |
| Tara Hills Dr P&Rs (Site 1 & Site 2) | 3, 4, WestCAT | \$3.6M, \$13.3M |
| Bissell Ave P&R | 6, 7 | \$3.3M |
| San Pablo Dam Rd P&R | 5 | \$9.9M |
| Wright Ave P&R | 8, Golden Gate Transit | \$12.8 |
| I-80 Bus on Shoulder | 1, 2, WestCAT | \$6M |
| Hercules TC Capacity Enhancement | 1, 2 | \$19.5M |
| Richmond Parkway TC Capacity Enhancement | 1, 2, 3, 4, WestCAT | \$46.5M |
| SR-4/I-80 Access | 1, 2, WestCAT | \$3.6M |
| Richmond Pkwy/I-80 Access | 1, 2, 3, 4, WestCAT, AC Transit | \$0.9M |
| San Pablo Dam Rd/I-80 Access | 5, AC Transit | \$4.6M |
| Ashby Ave/I-80 Access | 2, 6 | N/A |
| Bus Stop Improvements | All Routes | \$3.3M |
| Bus Acquisition (Near-Term, Long-Term) | All Routes | \$36M, \$43M |
| Transit Signal Priority | All Routes | \$1.4M |



System Map (near-term)

- Routes with largest commute market and travel time benefits
- Service to Hercules, Pinole, San Pablo, Richmond, and unincorp. County
- Service to Oakland, Emeryville, Berkeley, and San Francisco
- Two routes in WestCAT service area and two in AC Transit service area





Funding Sources

- Primary Sources
 - Regional Measure 3 (RM3)
 - \$25M for Contra Costa County
 - \$10M for WestCAT Facility and buses
 - \$15M for AC Transit, split between I-80 Express Bus Capital Improvements and San Pablo Avenue Rapid/BRT Service Capital Improvements
 - \$20M/year regionwide operating funds for express bus
 - CCTA 2020 Transportation Expenditure Plan (TEP)
 - \$90M to "Improve transit reliability along the I-80 corridor"
 - Additional categories for freeway access (\$57M) and major roads (\$38M)
- Other Sources
 - State, Federal, Farebox

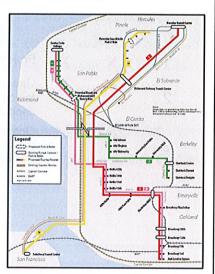
| unding cenario | RM3 | TEP | Projected Outcome |
|-------------------|----------|-----|--|
| 1 | X | X | Project not viable, without additional funding |
| 2 | ✓ | X | Operating funds available but insufficient capital to acquire bus fleet or implement supporting capital improvements, without additional funding |
| 3 | ✓ | 1 | Operating and capital funding to operate up to four routes and most required capital improvements |
| | | | |

Funding Approach

- All new service requires some level of capital investment (buses, stops, park & rides)
- · With RM3 and TEP funding, options range between:
 - Prioritize funds to operate greatest number of routes with limited supporting infrastructure, or
 - Implement limited number of routes but make them more effective through supporting infrastructure (Project Management Team recommendation)
- Identify unfunded projects for future funding sources as they become available (e.g., SB1 Congested Corridors, FASTER)

Funding Scenario 3

- If RM3 is upheld and TEP passes
 - Sufficient funding for required improvements, buses, and operations for up to four new routes for 10+ years
 - · Additional funds available for either
 - Covering future inflation of operating costs, or
 - Constructing additional capital improvements
 - Additional funds needed to operate more than these four routes and construct full set of capital improvements



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Key Steps to Implementation

- RM3 legal resolution
- · CCTA TEP voter approval
- Resolving operator maintenance and storage capacity needs and purchasing buses
- Determining park & ride implementation and operations approach
- Coordination between funding partners, transit operators, Caltrans, and local jurisdictions to implement capital improvements

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Next Steps

- · Project TAC Meeting
- Complete Financial Plan, Marketing and Branding Plan, and Draft Plan
- · Outreach Round #3 (distribute Draft Plan)
- Presentation to Boards (WCCTAC, AC Transit, WestCAT)
- February 2020 Study completion
- · Future efforts:
 - Partner with MTC and CCTA to support RM3 and TEP efforts and obtain funds if made available
 - Partner with Caltrans, cities, and transit operators to implement capital improvements

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