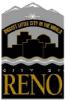


Presentation Highlights

- Project Review
 - Overall Concept
 - City Master Plan and Code
 - Implementation Activities
- Status Report

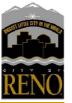


Project Review

8.22.07 Reno City Council directed staff to work with Regional Transportation Commission (RTC) to analyze improvement alternatives for South Virginia TOD corridor

4.22.09 Reno City Council approved multi-phase transit project concept and seven item action plan

• Eliminated over \$100 million in street projects using existing right-of-way while maintaining similar automobile levels of service



Project Review

4.22.09 Continued

- Phase 1: Bus Rapid Transit between California Avenue and Reno-Sparks Convention Center
- Phase 2: Streetcar between Lawlor Events Center and California Avenue
- Phase 3: Streetcar between California Avenue and Reno-Sparks Convention Center
- Phase 4: Light rail between Lawlor Events Center and Reno-Sparks Convention Center



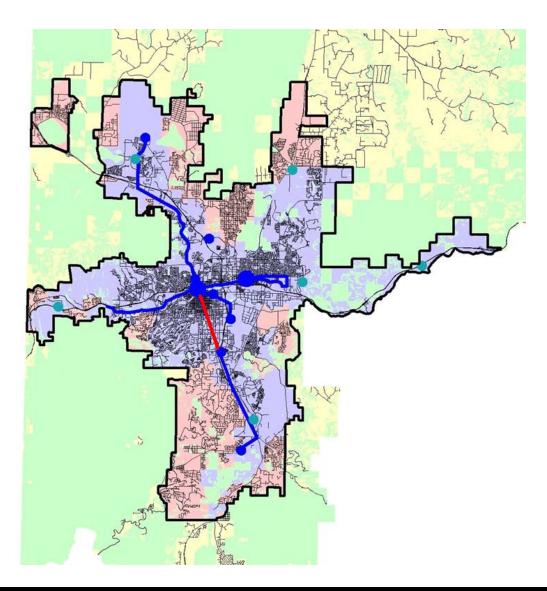
Project Review

10.7.09 Reno City Council and approved status and requested RTC to begin process of obtaining Federal funds

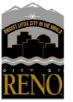
11.12.09 RTC approves funding for Virginia Street transit studies for Federal funding application



 Regional Context
 First segment of regional system



Virginia Street Transit Project



Phase 1
Bus Rapid Transit



Regional Transportation Commission of Washoe County



Virginia Street Transit Project



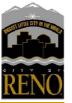
- Phase 2
 - Bus Rapid Transit
 - Streetcar Downtown



Portland Streetcar, LLC

Virginia Street Transit Project



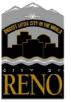


- Phase 3
 - Expanded Streetcar

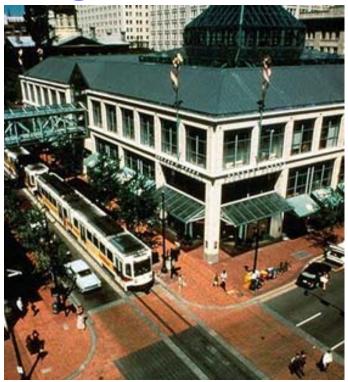


Portland Streetcar, LLC

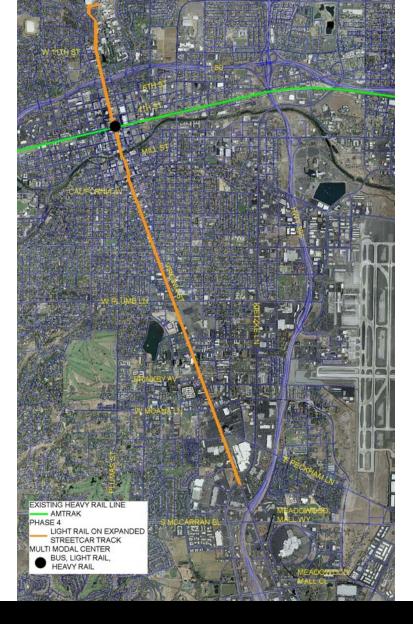




Phase 4 Light Rail Train



Tri Met





Street Cross Section
 2 Shared Lanes

13'

12'



KLS Planning and Design

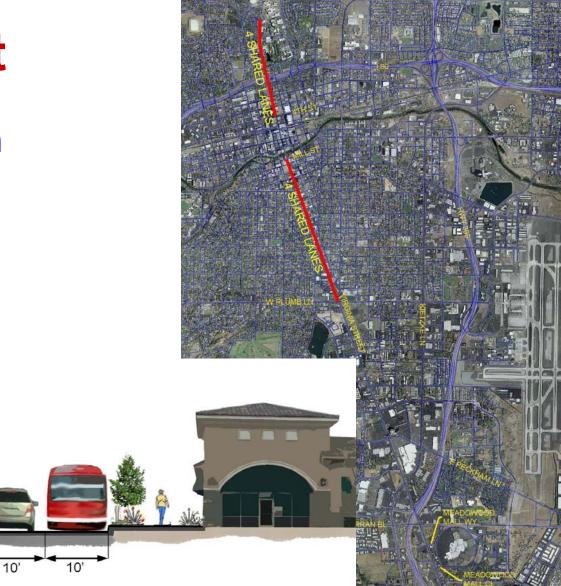
Virginia Street Transit Project



Street Cross Section
 4 Shared Lanes

10'

10'



11

KLS Planning and Design

Virginia Street Transit Project



Street Cross Section
 - 6 Shared Lanes

11'

11'

11'

11'



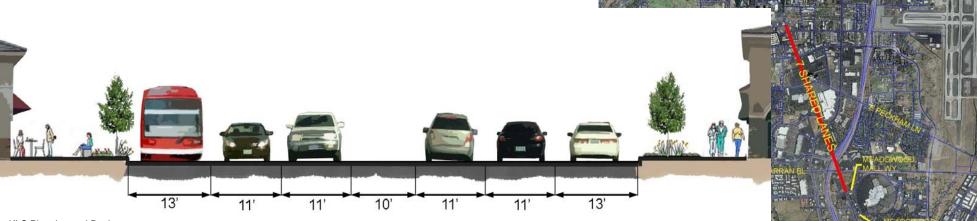
KLS Planning and Design

Virginia Street Transit Project

12'



Street Cross Section
 7 Shared Lanes



KLS Planning and Design

Virginia Street Transit Project





Portland Streetcar, LLC

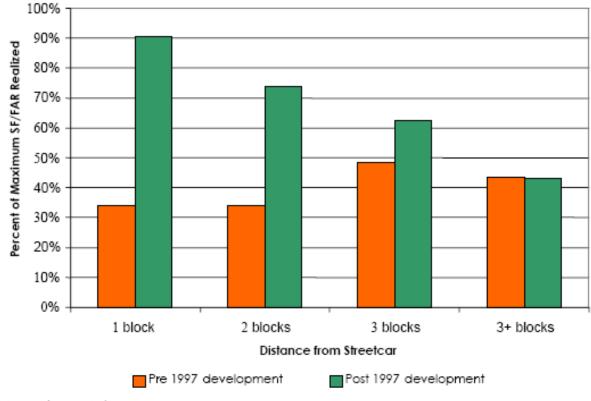
Virginia Street Transit Project

Portland Streetcar

- 2001 2.4 mile line
- In street operation
- Modern low floor cars
- Ridership 12,000/day
- Development:
 - 10,000 dwelling units
 - 5.4 million square feet
 - \$3.5 billion invested within 2 blocks



Portland Streetcar Development Density

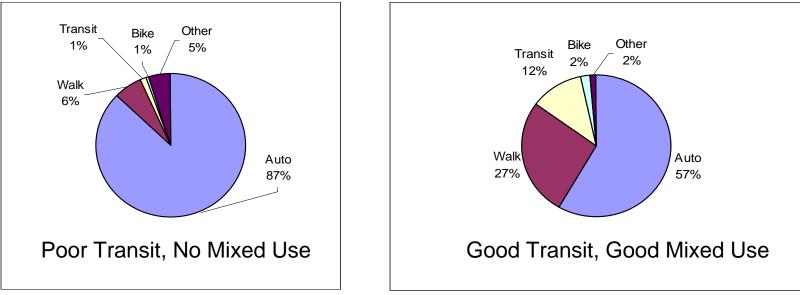


Portland Streetcar, LLC

Virginia Street Transit Project



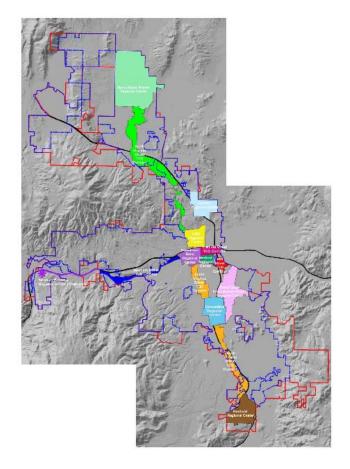
Portland Travel Mode by Area



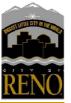
Portland Streetcar, LLC

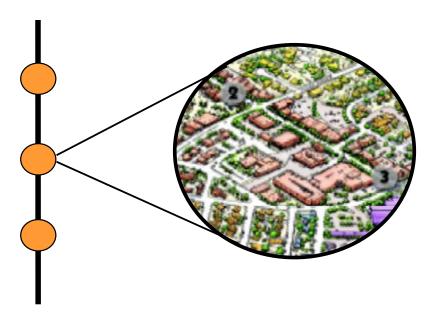
Virginia Street Transit Project





- City Master Plan
 - 9 Regional Centers
 - 5 Transit Oriented Development Corridors
 - Special Planning Area in Land Use Plan
 - Individual Plan and Code Adopted for Each Center and Corridor

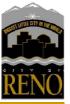




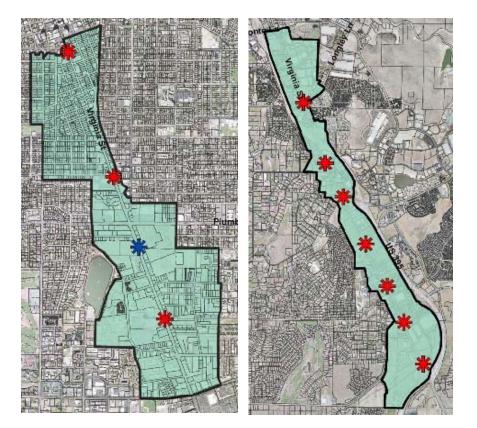
Clarion Associates

- TOD Plan Concept
 - Transit at highest density nodes (station areas)
 - Pedestrian circulation and density between nodes

Virginia Street Transit Project



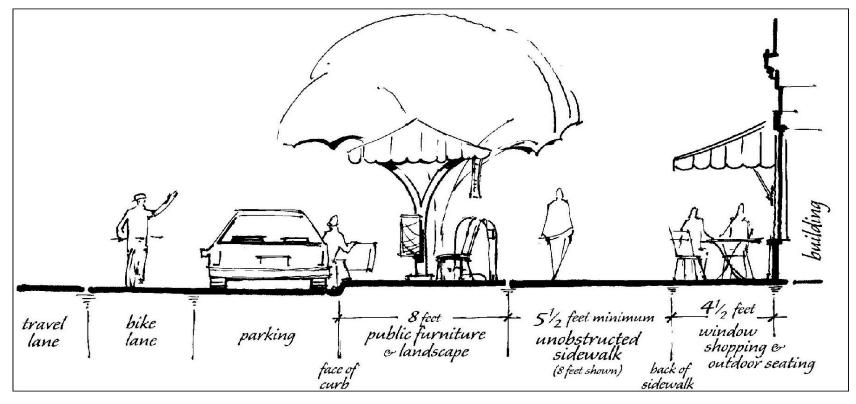
- South Virginia TOD Corridor Plan
 - 2 Sections Between Downtown Regional Center, Convention Regional Center and Redfield Regional Center
 - 11 Station Areas



- Reno Municipal Code TOD Corridor Regulations
 - Mixed use zoning with overlays
 - Minimum number of dwellings 14 45 du/acre
 - Minimum floor area ratio 0.25 4.0
 - Pedestrian oriented sidewalk standard
 - Building forward and parking to rear/side
 - Reduced parking
 - Pedestrian amenities 1% 1.5%
 - Complementary land uses allowed without special use permit
 - Construction allowed without special use permit if meets standards



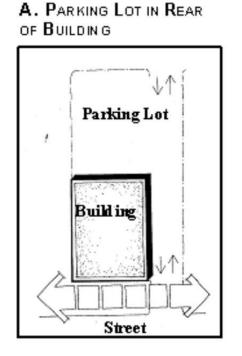
Reno Municipal Code TOD Corridor Street and Sidewalk Standard



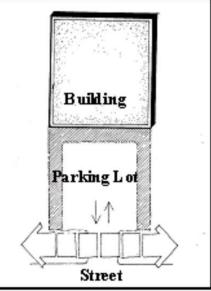
Virginia Street Transit Project



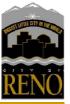
City Master Plan and Code • Reno Municipal Code TOD Corridor Narrow Lot Parking Options



B. PARKING LOT IN FRONT OF BUILDING

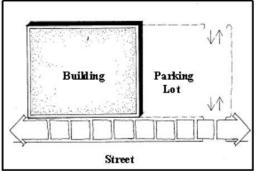


Virginia Street Transit Project

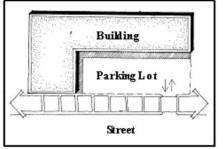


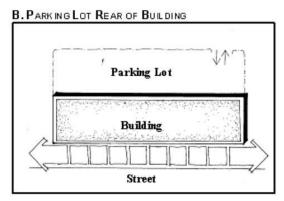
City Master Plan and Code • Reno Municipal Code TOD Corridor Shallow Lot Options



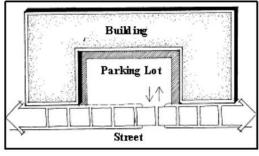


C. L-Shape Building: Parking Lot in Front of Building





D. DOUBLE L-SHAPE BUILDING: PARKING LOT IN FRONT OF BUILDING

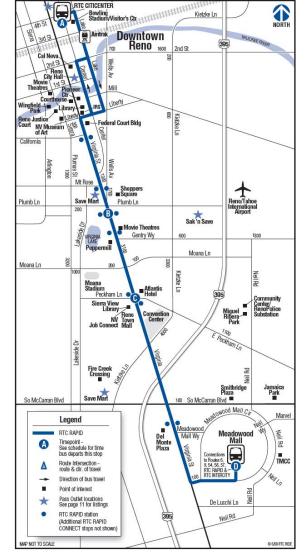


Virginia Street Transit Project



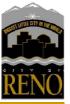
Item 1: RTC implement Bus Rapid Transit (BRT)



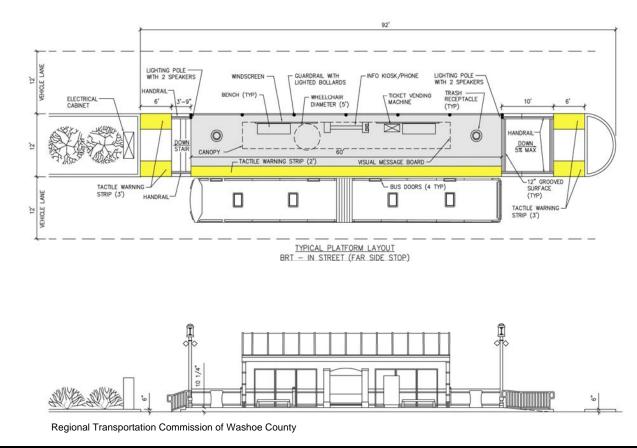


Regional Transportation Commission of Washoe County

Virginia Street Transit Project



Item 2: Add station requirements/design standards to RMC

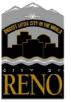


Virginia Street Transit Project



Item 3: Amend NRS, RMC and/or Regional Road Impact Fee to allow credits if capacity created by construction of parking lot outside right of way

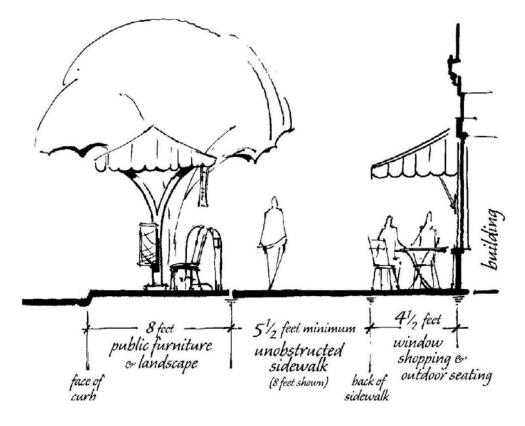








Item 4: Complete Street standards for corridor



Virginia Street Transit Project



Item 5: Include streetcar/light rail capacity on new Virginia Street Bridge



Virginia Street Transit Project



Item 6: Multimodal Downtown Transportation Center Plan

- Virginia Street: Sierra Spirit then Streetcar
- Parking Garage: Auto Park & Ride
- Amtrak Station: Heavy Rail
- 4th Street Station: Bus and BRT



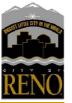
Regional Transportation Commission of Washoe County

Item 7: Staff working group and stakeholders groups for research on other systems, funding options, operational issues, lane reconfiguration, streetscape, parking, etc.





Virginia Street Transit Project

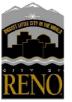


On-going research

• Design, operations and maintenance, and funding of existing systems in other cities



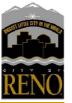
Virginia Street Transit Project



Preliminary Capital Cost Estimate

- Phase 2: \$67 million for initial phase (4 track-miles rails, power, vehicles, stations, maintenance facility)
 - \$4.8 million annual cost for 30 years @ 6%
- Phase 3: \$84 million for remaining portion of project (7 track-miles rails, power, and additional vehicles)
 - \$6.1 million annual cost for 30 years @ 6%
- Phases 2 & 3: \$10.9 million annual cost for 30 years
 @ 6%

Virginia Street Transit Project



Phases 2 & 3 Operations and Maintenance Costs

• \$3 million/year depending on # streetcars, operating hours, etc.

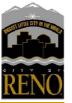
30-Year Replacement Cost Estimate

• \$1.7 million/year



| | Phase 2 (Lawlor Event Center - California Ave) | | Phase 2 and 3 (Lawlor Event Center – Convention Center) | |
|---|---|-----------|--|----------|
| | 50% | 100% | 50% | 100% |
| Annual Capital Costs | \$2.4 M | \$4.8 M | \$5.45 M | \$10.9 M |
| Annual O & M Costs | \$65.0 K | \$1.3 M | \$1.5 M | \$3.0 M |
| Annual Sinking Fund | \$375.0 K | \$750.0 K | \$850.0 K | \$1.7 M |
| Total Annual Costs | \$2.84 M | \$6.85 M | \$7.8 M | \$15.6 M |
| Total Annual Property Tax Rate Increase (@ \$850,000 per each cent) | \$.033 | \$.081 | \$.092 | \$.184 |
| Total Funding Required from Other Source(s) | \$33.5 M | \$0 | \$75.5 M | \$0 |

Virginia Street Transit Project



Potential Funding Sources

- Comprehensive funding package to be proposed by Finance Sub-Group
 - Sales Tax
 - Tax Increment Funds
 - Federal Funding
 - Property Tax
 - Tourism Tax
- If property tax, Reno City Council must decide to place on ballot by July 2010



Potential Funding Sources (continued)

- Regional Transportation Commission preparing
 studies and analyses for Federal funding application
 - Corridor study/alternatives analysis
 - Develop Locally Preferred Alternative
 - Initiate preliminary engineering and NEPA documentation