

Improving Local Community Bicycle/Pedestrian Access to Light Rail Transit

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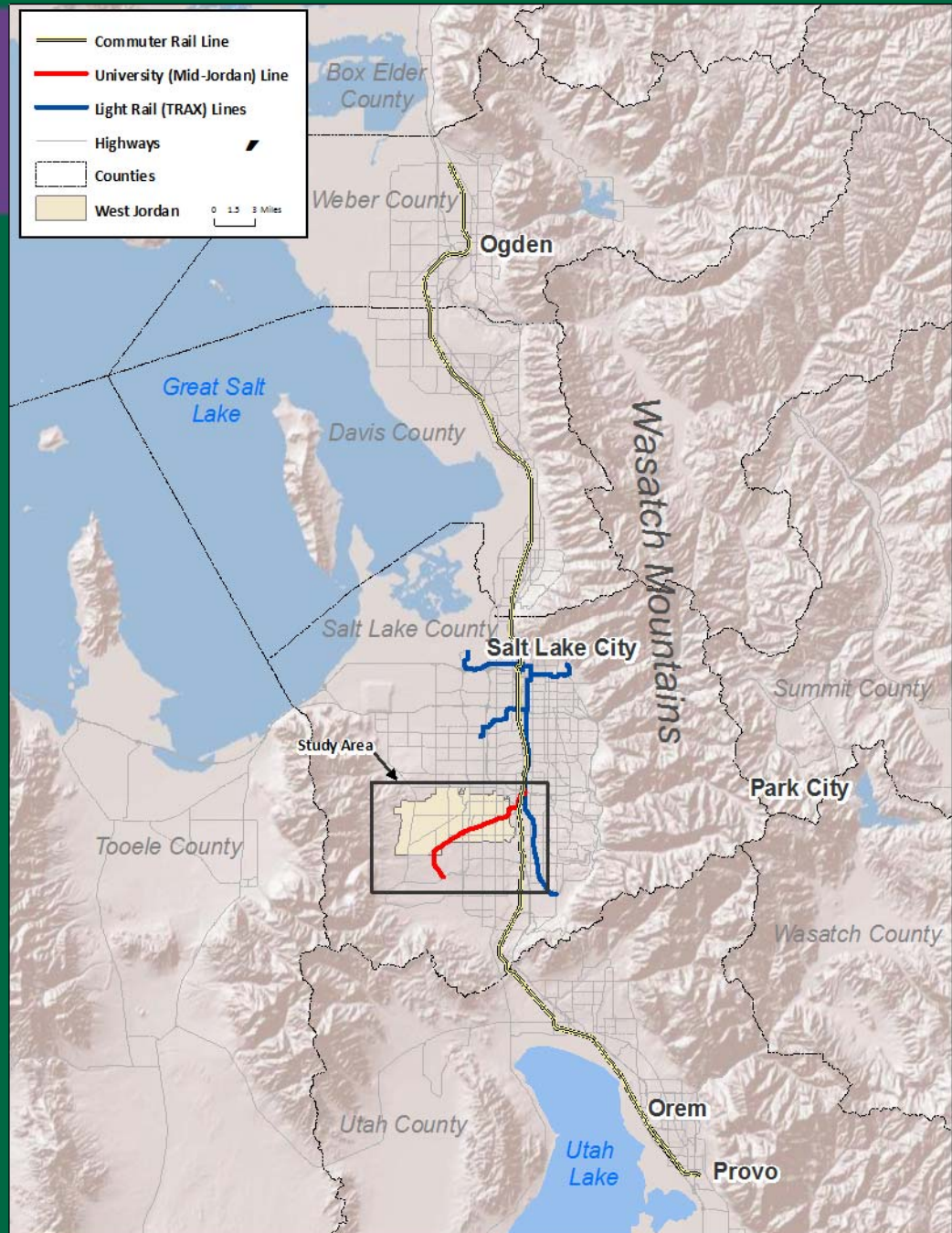


**2012 SUSTAINABILITY AND PUBLIC
TRANSPORTATION WORKSHOP**

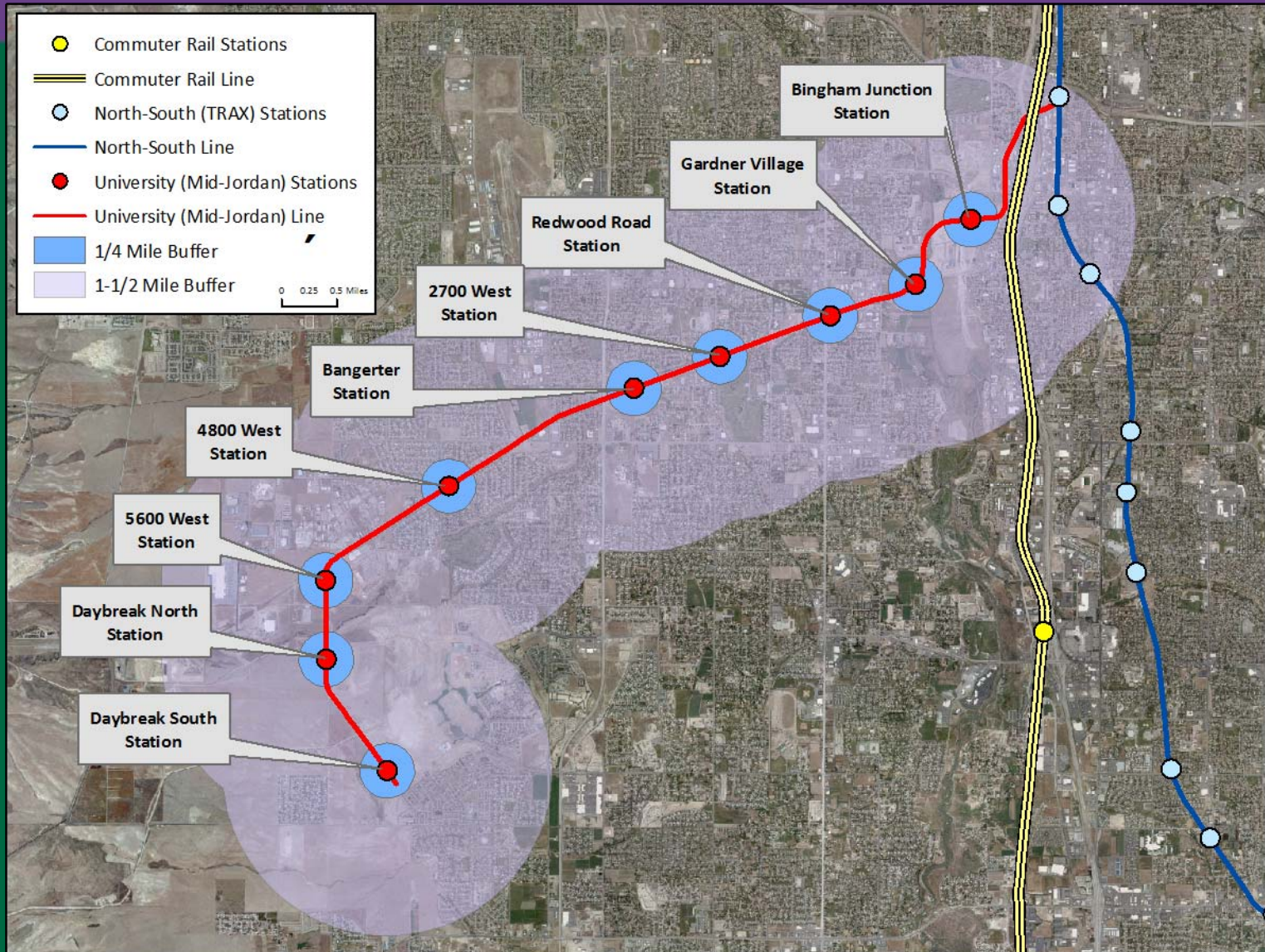


UTA Service Area

- Six County Service Area
- 65 Cities
- 85 Miles in Length
- 1,600 Square Miles
- Serves more than 80% of the state's population



The Study Area



The Problem

- Research indicates that street designs, and particularly sidewalk provisions, obstructions and street dimensions, significantly influence whether someone reaches a rail stop by foot or not¹
- Air Quality Strategy with Regional MPO
 - Salt Lake County – EPA Non-attainment Area (PM 2.5, PM 10, SO₂)
- Improve pedestrian and bicycle access to increase ridership

¹*Cervero, Robert, 2000, Factors Influencing Pedestrian Access to Transit, Journal of Public Transportation Volume 3, No. 4, 2000*



The Problem



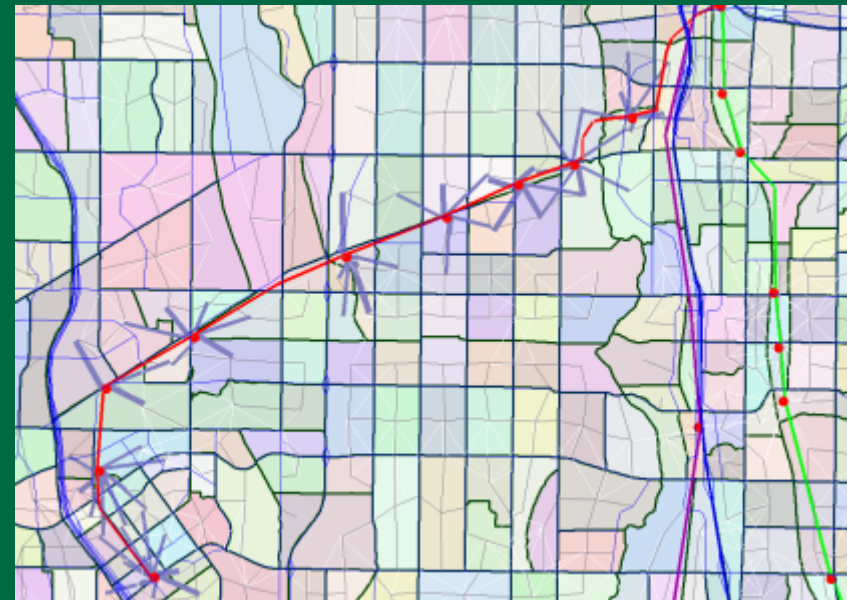
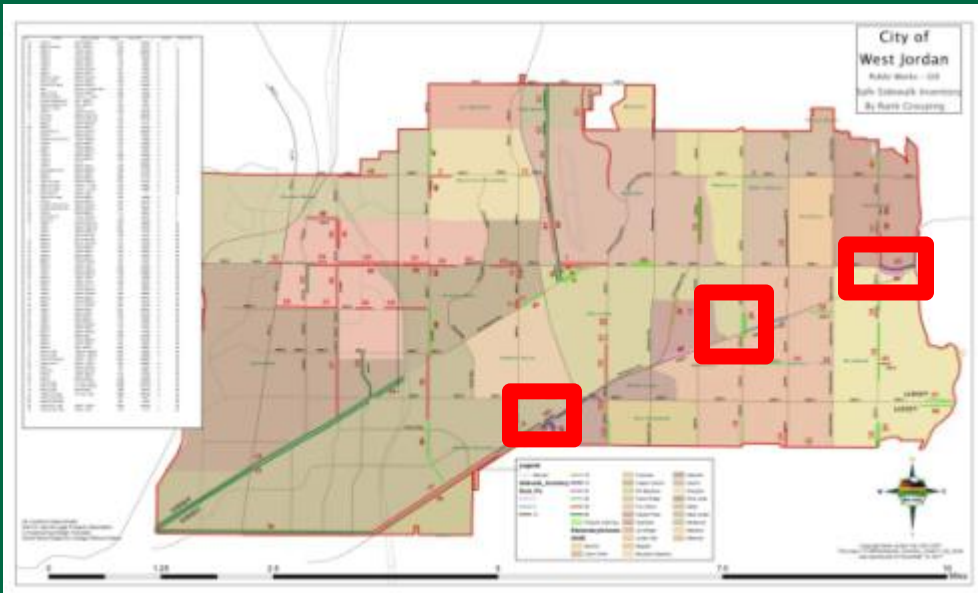
2700 West TRAX Station



4800 West TRAX Station

The Methodology

- Identify project areas of common interest (i.e. Safe Sidewalk Master Plan)
- Use travel demand model to test station area accessibility
- Work with cities to leverage UTA's capital investment in their community
- Seek joint funding for improvements (STP, CMAQ, CDBG, PPP etc.)



The Results

	3/10 Mile			1/10 Mile			% Walk Improvement	Total Improvement
	DRIVE to TRANSIT	WALK to TRANSIT	TOTAL BOARDINGS	DRIVE to TRANSIT	WALK to TRANSIT	TOTAL BOARDINGS		
Bingham Junction	45,800	153,700	199,500	45,000	175,500	220,500	12%	10%
Gardner Village	53,400	68,700	122,100	49,900	93,400	143,300	26%	15%
Redwood Road	130,600	167,900	298,400	122,200	248,400	370,600	32%	19%
2700 West	82,400	46,500	128,900	82,300	60,500	142,800	23%	10%
Bangerter	119,800	177,600	297,400	114,700	227,000	341,700	22%	13%
4800 West	188,400	96,600	285,000	190,800	121,100	311,900	20%	9%
5600 West	119,300	500	119,900	124,100	900	125,100	44%	4%
Daybreak North	-	93,800	93,800	-	101,900	101,900	8%	8%
Daybreak South	420,200	126,900	547,100	430,400	133,400	563,700	5%	3%
Annual Total New Riders	1,159,900	932,200	2,092,100	1,159,400	1,162,100	2,321,500	20%	10%

The Results



Next Steps

- Conduct longitudinal study and analysis to determine effects of improvements vs. model results
- Evaluate cost/benefits (i.e. investment per new rider)
- Establish similar methodology with other cities



Thank you

