

# EAST ARAPAHOE (SH 7) TRANSPORTATION PLAN

## APPENDIX E: DETAILED ACTION PLAN

March 2018



# Planning and Design

Area	ID	Element	Action	Potential Funding	Key Partners	Time Frame
Corridor Design	D.1	Local Corridor Design	<ul style="list-style-type: none"> <li>Based on plan vision, advance corridor design and refine cost estimates to facilitate early implementation actions, right-of-way needs and multimodal safety improvements. With 10-15% corridor design concept:               <ul style="list-style-type: none"> <li>D.1.A Design intersection configurations and traffic signal practices to enhance safety</li> <li>D.1.B Develop Right-of-Way Plan for City Council adoption. Plan should integrate right-of-way needs into development review process to secure easements/right-of-way</li> <li>D.1.C Develop Access Management and Connections Plan to consolidate driveways and improve access points for existing land use, new development and redevelopment opportunities</li> <li>D.1.D Conduct a study to resolve the configuration of the Foothills Parkway intersection to accommodate the plan vision</li> </ul> </li> </ul>	City, TIP/CDOT	CDOT, Boulder County, RTD, SH 7 Coalition	Short-term
	D.2	Regional Corridor Design	<ul style="list-style-type: none"> <li>As part of SH 7 Coalition between Boulder and Brighton:               <ul style="list-style-type: none"> <li>Participate in a regional Environmental Assessment to advance design and environmental clearance for a regional multimodal corridor with high quality-high frequency bus rapid transit (BRT), a regional bikeway, pedestrian improvements and first and final mile supportive infrastructure and strategies</li> <li>Pursue local, regional, state, and federal funding for multimodal improvements</li> </ul> </li> </ul>	City, TIP/DRCOG, CDOT	CDOT, Boulder County, RTD, SH 7 Coalition	Ongoing
Integrated Land Use Planning	LU.1	Mobility Hubs/Corridor-wide	<ul style="list-style-type: none"> <li>Refine station area design concepts, including mobility hub planning, in coordination with broader land use planning along the corridor</li> </ul>	City, TIP/DRCOG, RTD	CDOT, Boulder County, RTD	Ongoing
	LU.2	Mobility Hubs/55th & Arapahoe Area Plan	<ul style="list-style-type: none"> <li>Prioritize and coordinate mobility hub planning with the 55th and Arapahoe Area Plan, expected to be initiated in 2019</li> </ul>	City, RTD	CDOT, Boulder County, RTD	Short-term
	LU.3	Streetscape	<ul style="list-style-type: none"> <li>Develop a streetscape plan for the corridor, including an arts and aesthetics plan with a 1% public art set-aside in accordance with city policy; a gateway element concept for the east end of the corridor; signage to improve wayfinding and safety; and pedestrian scale lighting</li> </ul>	City	CDOT, Boulder County, RTD	Short-term
Policy Guidance	PG.1	Transportation Master Plan	<ul style="list-style-type: none"> <li>Incorporate the East Arapahoe Transportation Plan into the TMP as part of the 2018/19 update and integrate corridor elements into the TMP Capital Improvement Program</li> </ul>	City	City, CDOT, RTD	Short-term
Plan Monitoring	PM.1	Metrics/Monitoring	<ul style="list-style-type: none"> <li>Establish and implement multimodal metrics and monitoring program to regularly measure progress toward plan goals</li> </ul>	City	City, CDOT, RTD	Ongoing

# Pedestrian and Bicycle

Area	ID	Element	Action	Potential Funding	Key Partners	Time Frame
Pedestrian	P.1	Crosswalks	<ul style="list-style-type: none"> <li>Develop pedestrian crossings where needed, consistent with the City of Boulder’s Pedestrian Crossing Treatment Installation Guidelines</li> </ul>	City, CDOT	CDOT	Ongoing
	P.2	Americans with Disabilities Act (ADA)	<ul style="list-style-type: none"> <li>Upgrade existing intersections to be ADA compliant</li> </ul>	City, CDOT	CDOT	Ongoing
Pedestrian/ Bicycle	BP.1	Multi-Use Path	<ul style="list-style-type: none"> <li>Reconstruct multi-use paths and amenity zones, as needed, to plan specifications; south-side sidewalks could be upgraded to multi-use paths</li> </ul>	City/Infill & Redevelopment, CDOT	CDOT	Ongoing
	BP.2	Multi-Use Path	<ul style="list-style-type: none"> <li>Complete missing multi-use path links to plan specifications with a goal to create separate space between pedestrians and cyclists:                             <ul style="list-style-type: none"> <li>– South side intermittently 30th-55th; 55th-Cherryvale, east of 63rd Street</li> <li>– North side multi-use path segment north of golf course</li> </ul> </li> </ul>	City, TIP/ DRCOG, Infill & Redevelopment, CDOT	CDOT	Short-term and ongoing
	BP.3	Ped/Bike Underpass	<ul style="list-style-type: none"> <li>Coordinate with S. Boulder Creek Flood Mitigation Project to implement new underpass in conjunction with floodway/drainage improvements (approximately 200 feet east of 55th Street)</li> </ul>	City, TIP/CDOT	CDOT, FEMA	Mid- to Long-term
Bicycle	B.2	Interim buffered bike lanes	<ul style="list-style-type: none"> <li>Investigate options to enhance existing bike lanes using striped buffers where feasible given existing ROW, e.g., east of 55th Street, as an interim condition</li> </ul>	City, CDOT	CDOT	Short-term
	B.1	Protected bicycle lane	<ul style="list-style-type: none"> <li>Implement protected bicycle lanes per the plan vision</li> </ul>	City, TIP/ DRCOG, CDOT	CDOT	Mid- to Long-term

# First and Final Mile and TDM

Area	ID	Element	Action	Potential Funding	Key Partners	Time Frame
First and Final Mile	FFM.1	First and Final Mile/Bicycle	<ul style="list-style-type: none"> <li>Explore and expand bike share partnerships to activity centers and employment concentrations along the corridor in coordination with mobility hub planning, e.g., Flatiron Business Park, CU, and other major employers. Partnerships could include Boulder BCycle, e-bikes, potential dockless systems</li> </ul>	City, Regional, State, Federal	Major employers (CU, Flatirons Business Park), Boulder BCycle	Ongoing
	FFM.2	First and Final Mile/Pedestrian & Bicycle	<ul style="list-style-type: none"> <li>Identify gaps in the connecting ped/bike network within 1-mile of station areas and improve multi-use path connections to the corridor</li> </ul>	City, Regional, State	Infill & Redevelopment	Short-term
	FFM.3	First and Final Mile/Transit	<ul style="list-style-type: none"> <li>Explore transit partnerships to activity centers and employment concentrations along the corridor, e.g., Flatiron Business Park, CU, and other major employers. Partnerships could include microtransit/shuttles, mobility on demand, mobility as a service, fixed route transit</li> </ul>	City, Regional, State, Federal	Major employers (CU, Flatirons Business Park), RTD, Via, TNCs	Ongoing
	FFM.4	First and Final Mile/Transit	<ul style="list-style-type: none"> <li>Coordinate East Arapahoe transit service with Boulder's Renewed Vision for Transit fixed route network, including regional BRT network connections</li> </ul>	City, RTD	RTD, Via, Boulder County	Ongoing
	FFM.5	First and Final Mile/Satellite Parking	<ul style="list-style-type: none"> <li>Explore park-and-ride locations in conjunction with other regional transit corridors</li> </ul>	City, RTD, Boulder County	RTD, SH 7 Coalition	Short- to Mid-term
TDM	TDM.1	Employer TDM Programs	<ul style="list-style-type: none"> <li>Work with area employers to encourage use of parking management and transportation options by fostering ridesharing, transit, vanpooling and other transportation demand management programs like parking cash out programs, Business EcoPasses, Boulder BCycle memberships, alternative work schedules, and telework.</li> </ul>	City, Regional, State	Employers, Boulder Chamber, BTC, Commuting Solutions, RTD	Ongoing
	TDM.2	Neighborhood TDM Programs	<ul style="list-style-type: none"> <li>Promote transit service and other travel options along the corridor to area residents, including expansion of Neighborhood EcoPass program. Work with multi-family residential properties to manage and unbundle parking. Provide safe and convenient pedestrian and bicycle access to transit and commercial destinations.</li> </ul>	City, Regional, State	Employers, Boulder Chamber, BTC, Commuting Solutions, RTD	Ongoing
	TDM.3	District TDM Programs	<ul style="list-style-type: none"> <li>Work with area property owners to explore the potential for new access (parking/TDM) districts per AMPS action items. Property taxes collected by access districts provide a sustainable and scalable source of funding to manage on- and off-street parking and resident and employer based TDM programs.</li> </ul>	City, Regional, State	Employers, Boulder Chamber, BTC, Commuting Solutions, RTD	Ongoing

# Transit and Vehicular

Area	ID	Element	Action	Potential Funding	Key Partners	Time Frame
Transit	T.1	BRT	<ul style="list-style-type: none"> <li>Implement regional BRT service in cooperation with SH 7 Coalition partners, including phased service options</li> </ul>	City, Regional, State, Federal	RTD, SH 7 Coalition	Mid- to Long-term
	T.2	Local Transit	<ul style="list-style-type: none"> <li>Enhance existing transit service in the corridor through transit priority, frequency and quality improvements</li> </ul>	City, Regional, State, Federal	RTD, SH 7 Coalition	Ongoing
	T.3	West End Routing & Stations	<ul style="list-style-type: none"> <li>Refine west end terminus, alignment, and stations, coordinated with other street and transit projects connecting 28th Street to Downtown Boulder (e.g., SH 119, Canyon, and Downtown Boulder Transit Station Study)</li> </ul>	City, RTD	RTD, SH 7 Coalition	Short-term
	T.4	Stations & Stop Improvements	<ul style="list-style-type: none"> <li>Implement stop improvements and refine BRT station design concepts to maximize passenger and pedestrian access, comfort and safety (amenities, mobility hubs, BCycle stations, etc.)</li> </ul>	City, RTD	RTD, SH 7 Coalition	Ongoing
Transit/ Vehicular	TV.1	BAT Lanes	<ul style="list-style-type: none"> <li>Consistent with the plan vision, implement transit priority measures for local and regional transit, including BAT lanes for priority direction and time of day in key segments, including HOV 2 or 3+, emergency vehicles and evolving technologies</li> </ul>	City, Regional, State, Federal	RTD, CDOT	Mid- to Long-term
	TV.2	Communication Technology	<ul style="list-style-type: none"> <li>Evaluate need for advanced communication technology to support advanced mobility (bus priority, autonomous vehicles, etc.)</li> </ul>	City, Regional, State, Federal	RTD, CDOT	Ongoing
Vehicular	V.1	Lane Striping	<ul style="list-style-type: none"> <li>Where feasible and appropriate, restripe lanes consistent with plan vision. Phasing elements should be coordinated with potential future roadway repaving</li> </ul>	CDOT	CDOT	Ongoing
	V.2	Signal Timing	<ul style="list-style-type: none"> <li>Incorporate findings of future city-wide signal timing and progression analysis, as appropriate</li> </ul>	City, CDOT	CDOT	Ongoing
	V.3	Speed Limit Evaluation	<ul style="list-style-type: none"> <li>Evaluate posted speeds with CDOT, coordinated with corridor improvements, safety considerations, and community vision for the corridor</li> </ul>	City, CDOT	CDOT	Short- to Mid-term
	V.4	Lane Configuration	<ul style="list-style-type: none"> <li>East of 55th Street, where existing traffic lanes transition from three to two lanes per direction, evaluate where the future transition from two traffic lanes to one traffic lane per direction should occur</li> </ul>	City, CDOT	CDOT	Short-term