

Appendix 7-A Full List of Investment Plan Projects and Potential Funding

Initial List of Projects & Programs

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0007	LA River Path – Central LA	An eight-mile bicycle and pedestrian path gap closure between Elysian Valley and Maywood, through downtown Los Angeles.	Maywood to Elysian Valley	Metro LRTP, SPP Survey, SPP Mapping	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0017	Regionally significant bike projects from the Metro Active Transportation Plan	Implement regionally significant active transportation projects adopted as part of the Metro Active Transportation Plan (over 40 projects throughout the study area). See Attachment A for more detail.	Multiple Jurisdictions	Metro ATSP, SPP Survey, SPP Mapping, CA-7	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0055	I-710 LA River Bike Path	Proposed walking/bicycling path along the LA River, specifically along I-710, which connects Maywood to Long Beach.	Multiple Jurisdictions	SHOPP, SPP Survey	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0066	Randolph Bike & Pedestrian Project	Randolph, from Bell western city limit to eastern city limit. Complete Phase 2 of the Randolph Metro Active Transportation (MAT) Corridor.	Bell	City of Bell/COG, SPP Mapping	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0111	West Santa Ana Branch Bike & Pedestrian Trail	Implement Phases 1-4 of Bike & Pedestrian Trail (Class I) along RR ROW between LA River and Sommerset. Includes lighting, fencing, landscaping, flashing beacons, decomposed granite, ADA curb ramps and street furniture.	Multiple Jurisdictions	City of Paramount/COG, SPP Mapping, PIPO	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0128	Randolph Street Bike and Pedestrian Facilities Project	This project would involve the construction of bike and pedestrian facilities on Randolph St from District Blvd to the Los Angeles River Trail System.	Maywood	PIPO (City of Maywood), SPP Mapping	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0162	City of Long Beach 8-to-80 Bikeways	Implement planned 8-to-80 bikeway projects adopted as part of the City of Long Beach Bicycle Master Plan within the LB-ELA Corridor, including gap closure projects, backbone facilities, and pipeline bikeways (over 40 projects within the study area). See Attachment A for more detail.	Long Beach	City of Long Beach Bicycle Master Plan, SPP Survey, CA-7	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0163	LB-ELA Corridor Bicycle Gap Closure Projects	Implement regionally significant bicycle projects in areas with insufficient existing and planned bicycle infrastructure within the LB-ELA Corridor (several projects within the study area). See Attachment A for more detail. Would include potential routes identified by the community, but which will require further planning and design in cooperation with the local jurisdictions (Cities, County of Los Angeles).	Multiple Jurisdictions	SPP Mapping, CA-7	Active Transportation / TDM	Bicycle Routes / Facilities
LB-ELA_0005	Rail to River Active Transportation Corridor Segment A	A 5.6-mile active transportation path connecting the Fairview Height Station of the soon-to-be-open Crenshaw Line in Inglewood to the Slauson A (Blue) Line station in South Los Angeles.	Multiple Jurisdictions	Metro LRTP, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0006	Rail to River Active Transportation Corridor Segment B	An approximate 4.5-mile active transportation corridor between the LA River to the Slauson A (Blue) Line station that connects to Segment A.	Multiple Jurisdictions	Metro LRTP, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0008	Blue Line First Last Mile Plan Improvements	Implement projects identified in the Blue Line First/Last Mile Plan within the LB-ELA Corridor, with an emphasis on Del Amo Station. Projects to include ramp reconfigurations, sidewalk and bike lane improvements, and crossing improvements, among others. The First/Last Mile (FLM) Plan for the Blue Line was adopted in April 2018 and represents a first-of-its-kind effort to plan comprehensive access improvements for an entire transit line. The Plan covered all 22 stations on the Metro A (Blue) Line and piloted an inclusive, equity focused community engagement process. The Plan included planning-level,	Multiple Jurisdictions	Metro LRTP, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		community-identified pedestrian and bicycle improvements within walking (1/2-mile) and biking (3-mile) distance of each A Line station.				
LB-ELA_0070	Pedestrian Bridge	Construct Pedestrian Bridge (Connecting Asmus Park to planned West Santa Ana Branch LRT Station)	Bell Gardens	City of Bell Gardens/COG	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0076	Pedestrian and Bike Facilities	Provide pedestrian facility improvements. Provide safe routes for bike riders. (Various locations within the City of Commerce)	Commerce	City of Commerce/COG, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0082	Enhanced Pedestrian Crosswalk (Rives Ave. & Adwen St.)	Enhance pedestrian cross walk at Rives Ave. & Adwen St.	Downey	City of Downey/COG	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0094	Hill Street Pedestrian Bridge Overcrossing	Construct bridge over the I-710 and Los Angeles River at Hill Street for pedestrians and bicyclists.	Long Beach	City of Long Beach/COG, I-710 Motion 5.1/5.2 Early Action Concept	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0102	Pedestrian and Bicycle Master Plan improvements	Provide pedestrian facility improvements. Provide safe routes for bike riders. (Various locations within the City of Maywood per the city's master plan)	Maywood	City of Maywood/COG, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0114	Walnut Pedestrian Pathway	Provide pedestrian pathway along 25 <sup>th</sup> Street, from west of Walnut Avenue to Gundry Avenue	Signal Hill	City of Signal Hill/COG, SPP Survey	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0138	Spring Avenue Pedestrian/Bicycle Overcrossing	Construct bridge over the I-710 and Los Angeles River at Spring Street for pedestrians and bicyclists.	Long Beach	I-710 Motion 5.1/5.2 Early Action Concept	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0139	Humphreys Avenue Pedestrian/Bicycle Overcrossing	Construct bridge over I-710 along Humphreys Avenue for pedestrians and bicyclists.	East LA	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0158	Del Amo Pedestrian Gap Closure Project	Provide sidewalks and lighting at Del Amo undercrossing at the I-710 freeway. Currently there are no existing sidewalks. Would also help those seeking walk access to Del Amo LRT Station.	Ranch Dominguez / Long Beach	SPP Mapping	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0159	Southern Ave. Pedestrian Connector Project	New pedestrian path along Southern Ave./East Frontage Rd./Miller Way/West Frontage Road to connect Garfield Ave. with Urban Orchard Park	South Gate	SPP Mapping	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0204	Pedestrian Gap Closure Projects	Close gaps within the pedestrian circulation network in communities within the LB-ELA Corridor through the implementation of new pedestrian facilities. A funding program would be made available to award financial resources to local jurisdictions (Cities, unincorporated areas of Los Angeles County) on a competitive basis to design and construct new pedestrian facilities in areas where this infrastructure is currently missing. Projects would include:	Study Area Wide	SPP Survey, SPP Mapping, CA-7	Active Transportation / TDM	Pedestrian / First Last Mile

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		<ul style="list-style-type: none"> <li>- New sidewalks and pedestrian paths</li> <li>- Extensions of existing pedestrian paths/trails</li> <li>- Pedestrian/bicycle overpasses</li> <li>- New Crosswalks/Signals for Pedestrians</li> <li>- Provision of connections and access to existing trails (for example, greater access to Los Angeles/Rio Hondo River Trail)</li> <li>- Provision of pedestrian access/connections to existing and planned Metro transit stations/stops</li> <li>- Implementation of Safe School Pedestrian/Biking Zones</li> </ul>				
LB-ELA_0211	City of Long Beach Mid-City Pedestrian and Bicycle Connections	Create an interconnected network of walking and bicycle routes including creation of bicycle boulevards along 8 <sup>th</sup> and 11 <sup>th</sup> Streets. Includes active transportation network south of Anaheim Street, north of 7 <sup>th</sup> Street, east of Long Beach Boulevard, and west of Cherry Avenue within the City of Long Beach.	Long Beach	PIPO	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0213	West Santa Ana Branch [WSAB] Light Rail Station First-Last Mile Bikeway Safety and Access Project	Install 0.3 miles of sidewalk, 1.5 miles of bicycle lanes (Class II), 2 miles of bike route sharrows (Class III), street lighting, center median islands, curb ramps, and a rest area near the LA River Bike Path. Located in the eastern quadrant of the City of South Gate, along the existing Union Pacific Railroad /future West Santa Ana Branch Transit Corridor.	Multiple Jurisdictions	PIPO	Active Transportation / TDM	Pedestrian / First Last Mile
LB-ELA_0220	Micromobility Pilot Project	<p>Develop a pilot project along Long Beach Boulevard/Pacific Boulevard between Ocean Boulevard [Long Beach] and East. 57<sup>th</sup> Street [Vernon] in order to evaluate the design and implementation of Micromobility features along this planned Complete Streets Corridor. Micromobility is defined as any small, low-speed, human or electric-powered device, including bicycles, scooters, electric-assist bicycles (e-bikes), electric scooters (e-scooters), and other small, lightweight, wheeled conveyances. Micromobility devices help to close first- and last-mile gaps to transit and can offer individuals greater access to jobs, health care, and other services. Powered and adaptive micromobility devices may also increase mobility for older adults or individuals with disabilities, as they are less strenuous to operate than traditional bicycles or scooters. The Micromobility Pilot Project would test and evaluate various concepts, including but not limited to:</p> <ul style="list-style-type: none"> <li>- Protected Bicycle Lanes. These lanes physically separate micromobility users from vehicles and pedestrians. These should be designed to accommodate electric and non-electric modes. Streets with speed limits above 30 miles per hour should include a protected lane.</li> <li>- Speed Limits. For example, micromobility devices should self-regulate their speeds below 15 miles/hour to use the protected lane or should ride in the road.</li> <li>- Enforcement / Signage. Motorcycles and other high-speed devices not permitted in the protected lanes.</li> <li>- Designated Parking Stations. Provide designated parking areas for all types of micromobility devices and keep devices out of pedestrian rights of way.</li> <li>- Examine policies and regulations that would permit private companies to operate shared micromobility services, including e-scooters and e-bicycles, to the communities.</li> </ul>	Multiple Jurisdictions	Task Force	Active Transportation / TDM	First / Last Mile
LB-ELA_0090	Rectangular Rapid Flashing Beacons at Pedestrian Crossings	Install rectangular rapid flashing beacons (RRFBs) at Pedestrian Crossings at various locations within the City of Long Beach.	Long Beach	City of Long Beach/COG, SPP Survey	Active Transportation / TDM	Safety and Amenities
LB-ELA_0095	Pedestrian Crosswalk Improvements	Provide pedestrian crosswalk improvements (pedestrian buttons, signage, and electrical infrastructure) at Rosewood/Abbott, Mallison/Abbott, Long Beach/Tecumseh, Imperial/Ruth & Atlantic/Brewster intersections. (Phase 1)	Lynwood	City of Lynwood/COG, SPP Survey	Active Transportation / TDM	Safety and Amenities
LB-ELA_0165	Compton Creek Bike Underpasses	Along Compton Creek Bike Path, between 120 <sup>th</sup> Street and Greenleaf Blvd., construct bike path under-crossings at 120 <sup>th</sup> Street, El Segundo Ave., Rosecrans Ave., Compton Ave., and Alondra Ave. Add lighting, landscaping, benches, and shade to the existing path.	Compton	SPP Mapping, Community Leadership Committee (CLC)	Active Transportation / TDM	Safety and Amenities

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0170	Huntington Park Safe Routes for Seniors & Students	Project will construct curb ramps, crossing improvements, sidewalks, wayfinding, speed-calming, and other active transportation improvements for pedestrians on segments of Belgrave Ave., Clarendon Ave., E. 61 <sup>st</sup> St., Randolph St., Seville St., Zoe Ave., State St., Yahualica Place, and walking/biking paths adjacent to Veteran's Park. Includes 130 curb ramps and high-visibility crosswalks, 3 raised islands, 1 HAWK beacon, 3,266 linear feet of sidewalks, 20 wayfinding signs, 10 flashing beacons, 329 illuminated bollards, 20 speed humps, 10 raised crosswalks, wastebins, and shade trees.	Huntington Park	PIPO (Huntington Park), SPP Survey	Active Transportation / TDM	Safety and Amenities
LB-ELA_0200	Bike Share Programs and Bicycle Amenities	This initiative would build upon Metro's existing Bike Share Program framework, focusing on the LB-ELA Corridor. This involves collaboration with local jurisdictions (Cities, County of Los Angeles), non-profit organizations, and/or creating public-private partnerships for purpose of expanding access to bike share programs and for the provision of key amenities for bicycle users within the LB-ELA Corridor Study Area. Financial support would be provided to help leverage local funding for small scale capital projects such as: bicycle parking and storage lockers; lighting for bike paths; bicycle repair/maintenance stations; signage and wayfinding; electric bicycle charging stations; and safety features.	Study Area Wide	SPP Survey, SPP Mapping, CA-7	Active Transportation / TDM	Safety and Amenities
LB-ELA_0201	Pedestrian / Bicycle Enhancements and Safety Features	Work with the local jurisdictions (Cities, unincorporated areas of Los Angeles County) to improve safety and enhance the walking/biking environment throughout the LB-ELA Corridor. Active transportation measures and features would include items such as: <ul style="list-style-type: none"> <li>- Shade structures, trees, benches, and trash cans;</li> <li>- Wider sidewalks, bulb outs, upgrades to crosswalks, and ADA accessibility improvements (including repositioning utility boxes on sidewalks);</li> <li>- Stop signs, traffic signals, pedestrian/bicycle signal phases, colored pavement markings, signage and striping;</li> <li>- Alternative traffic signal phasing options, such as "scramble" pedestrian crossings;</li> <li>- Flashing crosswalks, and other traffic controls such as pedestrian flashing beacons;</li> <li>- Lighting along pedestrian/bicycle paths, including under-crossings;</li> <li>- Landscaping, hardscaping, and other aesthetic features;</li> <li>- Protection buffers and barriers, improved fencing</li> </ul> Provide technical and grant writing assistance to local jurisdictions, if requested, to define and develop potential projects. Provide financial support in order to help leverage local funds for project construction and implementation. Funds would be made available based on criteria such as: project need, project readiness, and project benefits relative to costs, among other factors.	Study Area Wide	SPP Survey, SPP Mapping, CA-7, Community Leadership Committee (CLC)	Active Transportation / TDM	Safety and Amenities
LB-ELA_0206	City of Bell Gardens Pedestrian and Bicycle Improvements	Citywide pedestrian, bike and traffic calming improvements to create a complete streets environment – cross walks, mini traffic circles, HAWK pedestrian signals, curb extensions, Class 3 bike routes, ADA ramps, Leading Pedestrian Interval [LBI] signal timing, and striping improvements. Would be applied to various locations within the City of Bell Gardens, including: Sprecht Ave., Live Oak St., Priority St., Purdy Ave., Gephart Ave., Perry Rd., and Hannon St.	Bell Gardens	PIPO	Active Transportation / TDM	Safety and Amenities
LB-ELA_0207	City of Carson Citywide Community Safety Improvements	Improve bicycle and pedestrian infrastructure and safety with Class 2 bike lanes, bike racks, crosswalk improvements, Accessible Pedestrian Signal push buttons, countdown pedestrian signals, and curb ramps. Various locations within the City of Carson and Santa Fe Avenue between 218 <sup>th</sup> Place and Del Amo Boulevard.	Carson	PIPO	Active Transportation / TDM	Safety and Amenities
LB-ELA_0208	Salt Lake Avenue Pedestrian Accessibility Project	East side of Salt Lake Avenue within the City of Cudahy. Widen sidewalk, install pedestrian lighting, signage, curb extensions, and ADA compliant wheelchair ramps.	Cudahy	PIPO	Active Transportation / TDM	Safety and Amenities
LB-ELA_0209	South Downey Safe Routes to School Project (Phase 2)	Safety education and construction of sidewalks, crosswalks, and curb ramps. Various locations within South Downey: Brunache St., Laura St., Nada St., Pomeroy Rd, Quoit St., Lankin St., Orizaba Ave., Gneiss Ave., Devenir Ave., Blodgett Ave. and Premiere Ave.	Downey	PIPO	Active Transportation / TDM	Safety and Amenities

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0210	Greenway Traffic Circle Improvement Project	At the intersection of Rives Avenue / Phlox Street in the City of Downey, construct traffic circle, bulb outs with directional curb ramps, enhanced crosswalks, signage, landscaping, shade, and bioswales.	Downey	PIPO	Active Transportation / TDM	Safety and Amenities
LB-ELA_0212	Tweedy Boulevard Active Transportation Improvements	Install improvements on Tweedy Boulevard to improve non-motorized user safety and promote walking, biking, and use of local transit. Tweedy Boulevard, between Alameda Street and Dearborn Avenue and between Dorothy Avenue and the Los Angeles River Bicycle Trail, within the City of South Gate.	South Gate	PIPO	Active Transportation / TDM	Safety and Amenities
LB-ELA_0214	I-710 Livability Initiative	A compendium of proposed projects and improvements as outlined in the I-710 Livability Initiative conceptual plan. Proposed projects include improvements such as: <ul style="list-style-type: none"> <li>- Lighting for people walking/biking.</li> <li>- New/improved bike lanes and bike amenities.</li> <li>- New improved sidewalks and cross walks.</li> <li>- Landscaping and shade. Public art.</li> <li>- Improved bus stops. Improved curbs. Street furniture.</li> <li>- Traffic calming to slow speeds.</li> <li>- New connections and crossings. Improve under/overpasses.</li> </ul> Proposals address improvements along a network of 21 east-west and 6 north-south roadway segments located within one-mile of I-710.	Multiple Jurisdictions	COG Ad Hoc Committee	Active Transportation / TDM	Safety and Amenities
LB-ELA_0216	Bicycle Safety and Education Program (BEST)	Expand Metro’s efforts to promote bicycle safety and improve roadway awareness for bicyclists, pedestrians, bus operators, and motorists within the Long Beach-East Los Angeles Corridor communities. This program includes: <ul style="list-style-type: none"> <li>- Education and encouragement campaigns to promote a shift from driving to more walking, bicycling, and the use of public transit.</li> <li>- Bicycle skills and traffic safety classes.</li> <li>- Community rides. Safe Routes to Schools rides.</li> <li>- Collaboration with key stakeholders in the development of campaigns and printed materials such as safe riding kits for bicycle safety class participants.</li> </ul>	Study Area Wide	Task Force, Community Leadership Committee (CLC)	Active Transportation / TDM	Safety and Amenities
LB-ELA_0198	Carpool/Vanpool Programs	Extend Metro’s carpool and vanpool programs by focusing on the LB-ELA Study Area. Carpooling is an inexpensive and effective travel option that involves finding nearby commuters to share the ride. Provide access to ride-matching services to find nearby residents looking to carpool. In addition, promote vanpool services, including coordination, administration support, and financial subsidies for commuters especially in areas less served by transit operators.	Study Area Wide	SPP Survey	Active Transportation / TDM	Travel Demand Management (TDM) Strategies
LB-ELA_0199	Telecommuting Programs	Building upon “lessons learned” during the COVID pandemic, encourage employers to modify their work policies to retain hybrid work schedules, flexible work hours, and “work from home” options. Coordinate with public agencies and large employers. Share research/promote studies on the effectiveness of telecommuting. In addition, identify supportive infrastructure for telecommuting. Expand broadband capacity and internet service provider (ISP) capabilities within the LB-ELA Corridor by co-locating digital communications infrastructure (such as fiber optic cable) with major public works projects and infrastructure.	Study Area Wide	SPP Survey	Active Transportation / TDM	Travel Demand Management (TDM) Strategies
LB-ELA_0010	Shoemaker Bridge/Shoreline Drive	I-710 Improvements/Shoemaker Bridge Replacement: Replace the Existing Shoemaker Bridge with a New Bridge. The New Bridge Will Be Reduced to Have Two Mixed-Flow Lanes in the NB and in the SB Directions to Tie the Flow into I-710. The New Bridge Will Also Include Pedestrian and Bicycle Access. Additionally, Bicycle, Pedestrian, and Street Enhancements Will Be Provided on Adjacent Thoroughfares.	Long Beach	SCAG RTP, PIPO, City of Long Beach/COG	Arterial Roadway	Complete Streets
LB-ELA_0056	Artesia Complete Street Corridor	Artesia Blvd., between Central Ave. and Lakewood Blvd. Reconstruct Artesia Blvd. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art	Multiple Jurisdictions	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		(aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.				
LB-ELA_0057	Atlantic Complete Street Corridor	Atlantic Ave./Blvd., between Ocean Blvd. and SR-60. Reconstruct Atlantic Ave./Blvd. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Multiple Jurisdictions	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0058	Florence Complete Street Corridor	Florence Ave., between Alameda St. and Lakewood Blvd. Reconstruct Florence Ave. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Multiple Jurisdictions	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0059	Imperial Complete Street Corridor	Imperial Hwy., between Alameda St. and Lakewood Blvd. Reconstruct Imperial Hwy. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Lynwood/South Gate/Downey	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0060	Alondra Complete Street Corridor	Alondra Blvd., between Central Ave. and Lakewood Blvd. Reconstruct Alondra Blvd. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Compton/Paramount	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0061	Slauson Complete Street Corridor	Slauson Ave., between Alameda St. and Lakewood Blvd. Reconstruct Slauson Ave. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Multiple Jurisdictions	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0062	Long Beach Complete Street Corridor	Long Beach Blvd./Pacific Blvd. Reconstruct Long Beach Blvd./Pacific Blvd., between Ocean Blvd. and Slauson Ave. to establish a Complete Street Corridor, including: bicycle facilities, pedestrian facilities and crosswalks, transit stop features and amenities, safety and traffic calming features, landscaping, hardscaping, public art (aesthetic treatments), public green spaces, trees, and water quality features such as bioswales and tree wells.	Multiple Jurisdictions	COG/Cities/County, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0064	Gage Avenue Street Improvements	Gage Ave., from Bell western city limit to eastern city limit. Upgrade Gage Ave. to provide safety and aesthetic features (drought tolerant landscaping, hardscaping). Proposed improvements will include new pedestrian sidewalks, street lighting, street furniture, bus shelters, parkway landscaping, monument entry signs, and drainage enhancements with the installation of curb drains and drywells in the project site.	Bell	City of Bell/COG	Arterial Roadway	Complete Streets
LB-ELA_0086	Gage Avenue Operational and Safety Improvements	Between Alameda Street and Atlantic Blvd., upgrade Gage Avenue to provide operational and safety improvements.	Bell/Huntington Park	City of Huntington Park/COG	Arterial Roadway	Complete Streets
LB-ELA_0126	Slauson Avenue Corridor & Citywide Pedestrian, Bike, Transit Improvements	Project focuses on pedestrian, bike, & transit safety improvements along the Slauson Avenue, between I-710 and I-5, as well as 10 other unsignalized intersections or midblock crossings citywide. The project location includes the 2.6-mile Slauson Avenue corridor between I-710 and I-5 freeways and 10 unsignalized intersections or midblock crossings citywide.	Commerce	PIPO (City of Commerce), SPP Survey	Arterial Roadway	Complete Streets

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0127	Lakewood Boulevard Improvement Project	Lakewood Blvd., between Del Amo Blvd. and Ainsworth Street. The project would install a Class I Bike Path and pedestrian sidewalk in the parkway area and will construct minor roadway capacity enhancements on Lakewood Boulevard. Project includes 1.5 miles of new bicycle and pedestrian facilities, utility undergrounding, traffic signal improvements, LED street lighting, ADA enhancements, and green street improvements such as landscaped median islands, parkway trees, and stormwater retention.	Lakewood	PIPO (City of Lakewood), SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0129	Garfield Avenue Improvement Project	Garfield Avenue, between Century Boulevard and Firestone. The project would transform the corridor to a more attractive and pedestrian and bike friendly environment. Improvements include: (a) implementing new bicycle facilities including bike racks, Class II Bike Lanes and Class III Bike Routes, (b) pedestrian improvements including flashing beacons, curb extensions and sidewalks, (c) raised, landscape center road medians, (d) enhancing the bus shelters, and (e) adding roadway signing and striping.	South Gate	PIPO (City of South Gate), SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0117	Burnett Street/Skyline Drive Improvement Project	Improve Burnett Street/Skyline Drive, including the addition of Bike Lanes, between East Walnut Avenue and Dawson Avenue. Installation of sidewalks between Gaviota Avenue and Cherry Avenue, Class 2 bike lanes between Walnut Avenue and Dawson Avenue, and related roadway amenities/improvements.	Signal Hill	City of Signal Hill/COG, SPP Survey	Arterial Roadway	Complete Streets
LB-ELA_0003	Integrated Corridor Management (ICM) Project	ICM is an Intelligent Transportation System (ITS) strategy to manage non-recurring congestion along a corridor by utilizing advanced technologies and systems. ICM components include active monitoring of all transportation modes and facilities within the corridor, on and off the freeway, including ramp metering, traffic signal coordination, incident traffic management, advanced traveler information system, and other advanced technologies and techniques. Would be applied on I-710 and a network of key connecting arterials, within the LB-ELA Corridor between SR-91 and SR-60.	Multiple Jurisdictions	Metro LRTP, PIPO, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0013	Tweedy Blvd Signal Sync	Tweedy Boulevard Signal Synchronization Project: (1) Interconnects 18 Traffic Signals Using Fiber Optic Cable And Wireless Communications (2) Synchronizes Signal Timing To Improve Traffic Flow, And Reduces Delays Along The 2.7-Mile Arterial and (3) Install A Closed Circuit Television Camera (CCTV) At The Intersection Of Long Beach Bl., to Support the Advance Transportation Management Systems (ATMS).	Lynwood/South Gate	SCAG RTP, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0020	Sports Park Transportation Performance Modeling Network	Traffic signal controller and cabinets upgrades and the installation of fiber optic communication infrastructure to provide redundant high bandwidth network in Long Beach within the LB-ELA Corridor. The purpose of these equipment upgrades is to improve traffic signal coordination and strengthen data connections among traffic management systems.	Long Beach	Metro 2028 Mobility Concept Plan	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0051		Route 1. In Los Angeles County, on various routes at various locations. Upgrade existing fiber communication system and rehabilitate Transportation Management System (TMS) elements, including video cameras, ramp meters, and Changeable Message Signs (CMS).	Multiple Jurisdictions	SHOPP, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0069	Traffic / Ped Signal Upgrades	Targeted upgrades to 38 intersections, citywide, in the City of Bell Gardens. Would replace outdated infrastructure such as signal poles, cabinets, pedestrian poles, and vehicle detection systems.	Bell Gardens	City of Bell Gardens/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0071	Mixmaster Traffic signal Improvements (Telegraph/ Eastern/ Atlantic)	Traffic signal upgrade at Telegraph / Eastern / Atlantic. Also consider improvements such as turning lane pavement markings, striping, and enhanced signage so that approaching traffic can get properly aligned well in advance of this intersection.	Commerce	City of Commerce/COG, Community Leadership Committee (CLC)	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0072	Traffic Signal Coordination Projects	Various arterials within the City of Commerce	Commerce	City of Commerce/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0074	Traffic Signal Upgrades	Upgrade various signals within the City of Commerce	Commerce	City of Commerce/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0075	Video Camera installation	Video Camera installation on all Signalized intersections within the City of Commerce	Commerce	City of Commerce/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0081	Firestone Blvd. Traffic Signal Upgrades & Safety Enhancements	Along Firestone Boulevard between Downey West City Limit and Lakewood Boulevard, provide traffic signal updates and safety enhancements.	Downey	City of Downey/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0083	Traffic Signal Upgrades	Along Florence Ave., between Downey Ave. & Brookshire Ave., upgrade traffic signals	Downey	City of Downey/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0084	Video Detection Upgrades	At 25 intersections in various locations within the City of Downey, provide video detection upgrades.	Downey	City of Downey/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0087	Traffic Signal Equipment Improvements	Upgrade traffic signal equipment at various locations within the City of Long Beach	Long Beach	City of Long Beach/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0089	Emergency Vehicle Pre-Emption	Install emergency vehicle pre-emption (EMVE) for traffic signals at various locations within the City of Long Beach.	Long Beach	City of Long Beach/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0096	Traffic Signal Improvements	Install new traffic signals and signage at the following locations: 1) Martin Luther King Jr. Blvd./Abbott Rd., 2) Arlington and Atlantic Ave., 3) El Segundo and State St., 4) Carlin and Bullis Rd., 5) Alameda St. and Industry Way, 6) Alameda St. and Lynwood Rd., 7) Martin Luther King Blvd/ Norton Ave., 8) Martin Luther King Blvd/Bullis Rd., 9) Martin Luther King Blvd/Ernestine St., 10) Martin Luther King Blvd and California, 11) State Street and Fernwood. (Phase 1)	Lynwood	City of Lynwood/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0097	Traffic Signal Improvements	Provide traffic signal upgrades at the following locations: 1) Long Beach Blvd/Carlin, 2) Long Beach Blvd/El Segundo, 3) Long Beach Blvd and Sanborn, 4) Long Beach Blvd./Euclid, 5) Long Beach Blvd/Imperial Hwy, 6) Atlantic Ave/Cortland, 7) Atlantic Ave./Abbott Rd, 8) Alameda/Deputy Blaire. (Phase 2)	Lynwood	City of Lynwood/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0099	Traffic Signal Synchronization Projects	Various arterials within the City of Maywood	Maywood	City of Maywood/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0100	Traffic Signal Upgrade Projects	Upgrade traffic signal equipment at various locations within the City of Maywood	Maywood	City of Maywood/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0101	Video Camera installation	Video Camera installation at all Signalized intersections within the City of Maywood	Maywood	City of Maywood/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0112	Signal Coordination/ITS Projects	Implement signal coordination and ITS projects at various locations within the City of Signal Hill.	Signal Hill	City of Signal Hill/COG, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0116	Traffic Signal Operational Upgrade	Upgrade the traffic signal at Willow Street & Temple Avenue	Signal Hill	City of Signal Hill/COG	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0166	LB-ELA Corridor Vulnerable Road User Connected Vehicle Infrastructure Deployment	Design and Implementation of Connected Vehicle Infrastructure to improve vulnerable road user safety within the LB-ELA Corridor. This would allow units in vehicles to communicate with units built into transportation infrastructure. Additional technology applications would allow vehicles to communicate with other vehicles, data networks, or pedestrians. The main purpose of this technology is to share information related to items such as safety warnings, roadway hazards, routing information, truck route restrictions, and pedestrian safety zones.	Multiple Jurisdictions	Metro	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0167	I-710 Arterial Signal Performance Measurement	Deploy arterial signal performance measures at all signalized intersection within the LB-ELA Corridor to allow for the optimization of traffic signal operation to improve arterial corridor mobility.	Study Area Wide	Metro, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0215	I-710 Arterial Traffic Signal Control Communication Upgrades	Design and implement upgraded arterial traffic signal control interconnect and central traffic management communications to elevate subregional traffic system management and operations.	Multiple Jurisdictions	Metro, SPP Survey	Arterial Roadway	Signal Coordination / TSM / ITS
LB-ELA_0202	Traffic Calming	Implement Traffic Calming Features within the LB-ELA Corridor to slow traffic on local streets or near schools. Collaborate with local jurisdictions (Cities, unincorporated areas of Los Angeles County) to design, construct, and implement traffic calming features in areas that experience frequent speed violations and/or high levels of accident rates. Based on available funding, provide financial support in order to help leverage local funds for project construction and implementation. Traffic calming features could include: <ul style="list-style-type: none"> <li>- Speed limit reductions, signage, variable speed signs, and enforcement devices</li> <li>- Speed bumps</li> <li>- Truck restrictions (trucks over a certain weight) on non-designated truck routes, including signage and geofencing alerts</li> <li>- Roundabouts</li> <li>- Trees, vegetation, landscaping features to help direct and slow traffic</li> <li>- Bulb outs</li> <li>- Stop signs, traffic signals, striping, raised decorative pavement, and other traffic controls</li> <li>- Road diets</li> <li>- Speed enforcement cameras</li> <li>- Enhanced use of signage, striping, flashing crosswalks, other pedestrian warning devices in school zones</li> </ul>	Study Area Wide	SPP Survey, SPP Mapping, Community Leadership Committee (CLC)	Arterial Roadway	Traffic Calming
LB-ELA_0012	Garfield Widening	Garfield Avenue Improvements, from 70th Street to Howery Street. Widen Street 1 to 4 Feet for 2 Miles to Accommodate a Third Lane in Each Direction during Peak Hours. Add Medians, Narrow Existing Medians, Add Second Left Turn Lane in All Directions at Two Intersections, (Rosecrans Ave. And Alondra Blvd.), Resurface Street, Concrete Intersections, and add Traffic Signal Improvements, Street Lights, Underground Utilities, Green Street Improvements, and Stormwater and Watershed BMPs.	Paramount	SCAG RTP, PIPO	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0040		Route 1, In the cities of Long Beach and Los Angeles, install stormwater treatment Best Management Practices (BMPs), including bioswales and Design Pollution Prevention Infiltration Areas (DPPIAs).	Wilmington/Long Beach	SHOPP	Arterial Roadway	General Local / Regional Roadway

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0041		Route 1. In Long Beach, from Temple Avenue to De Forest Avenue. Upgrade traffic signals, crosswalks, curb ramps, sidewalks, driveways, and Accessible Pedestrian Signals (APS) to Americans with Disabilities Act (ADA) standards.	Long Beach	SHOPP	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0044		Route 1, MP 7.0-7.2. In Long Beach, at Los Angeles River Bridge No. 53-0341 and De Forest Avenue Undercrossing No. 53-1047. Seismic retrofit, upgrade bridge rails, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	Long Beach	SHOPP	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0063	Gage Ave. Bridge	Rehabilitate/replace Gage Avenue Bridge over the LA River	Bell	City of Bell/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0065	Slauson Ave. Bridge	Rehabilitate/replace Slauson Avenue Bridge over the LA River	Bell	City of Bell/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0067	Florence Ave. Bridges	Replace Florence Ave. Bridges over LA River & I-710	Bell	City of Bell/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0068	Systematic Safety Analysis Report Program (SSARP) Improvements	Targeted safety improvements to 38 intersections, citywide, in the City of Bell Gardens. Includes installing signs; changing pavement markings; adding protected turn phasing; installing channelization; parking restrictions; and signal timing adjustments.	City of Bell Gardens/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway	Same intersections as LB-ELA_0069
LB-ELA_0073	Telegraph Road Improvements	Improve Telegraph Road between Marianna Ave. and Atlantic Blvd (safety features and pedestrian circulation)	Commerce	City of Commerce/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0078	Randolph Street Gap Closure	Provide arterial roadway bridge over LA River and I-710 to connect Randolph Street west and east of the LA River/I-710	Commerce	City of Commerce/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0079	Florence Avenue Bridge Rehabilitation	Rehabilitate arterial bridge over the Rio Hondo River Channel	Downey	City of Downey/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0080	Florence Ave. & Paramount Blvd. Intersection Improvement	Improve the intersection at Florence Ave. & Paramount Blvd. by adding turn lanes to reduce congestion and enhance safety.	Downey	City of Downey/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0085	Intersection Improvements (Huntington Park)	Provide intersection improvements at various locations within the City of Huntington Park	Huntington Park	City of Huntington Park/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0088	Protected Left Turns at Signals	Implement protected left-turns along major arterials at various locations with the City of Long Beach.	Long Beach	City of Long Beach/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0098	City Re-Striping Projects	Replace striping on major arterials (lane striping, school zone striping) at various locations within the City of Lynwood.	Lynwood	City of Lynwood/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0104	Rosecrans Ave. Bridge	Replace/rehabilitate Rosecrans Ave. Bridge over the LA River	Paramount	City of Paramount/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0105	Garfield Avenue Improvement Project	Improve Garfield Avenue from South City Limit to North City Limit [City of Paramount]	Paramount	City of Paramount/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0107	Alondra Blvd. Bridges	Replace Alondra Blvd. Bridges over the LA River and I-710	Paramount	City of Paramount/COG	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0108	Garfield Ave. Intersection Improvements	Provide dual left turn lanes on all approaches for the following intersections along Garfield Avenue: 1) Rosecrans, 2) Somerset, and 3) Alondra.	Paramount	City of Paramount/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0109	Alondra Blvd. Intersection Improvements	Provide dual left turn lanes on all approaches for the following intersections along Alondra Blvd: 1) Garfield, 2) Paramount, and 3) Downey.	Paramount	City of Paramount/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0110	Rosecrans Intersection Improvements	Provide dual left turn lanes on all approaches for the following intersections along Rosecrans Ave: 1) Garfield, 2) Paramount, and 3) Downey.	Paramount	City of Paramount/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0113	Orange Avenue Improvement Project	Improve Orange Avenue, including the addition of Bike Lanes, between 25 <sup>th</sup> Street and Spring Street	Signal Hill	City of Signal Hill/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0115	California Ave. Improvement Project	Improve California Avenue, including the addition of Bike Lanes, between Willow Street and Spring Street	Signal Hill	City of Signal Hill/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0119	Wright Road Improvement Project	Improve Wright Road, including the addition of Bike Lanes, between Imperial Hwy. and Atlantic Ave.	South Gate	City of South Gate/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0120	Safety-Related Road Improvement Projects	Within the East Rancho Dominguez (unincorporated LA County), implement safety-related improvement projects along the following roadways: Compton Boulevard, Atlantic Avenue, Rosecrans Avenue, and Alondra Boulevard	East Rancho Dominguez	East Rancho Domingo (County of LA)/COG, SPP Survey	Arterial Roadway	General Local / Regional Roadway
LB-ELA_0205	Arterial/General Roadway Improvements Program	Implement local roadway projects within the local jurisdictions and communities (cities, unincorporated areas of Los Angeles County) which comprise the LB-ELA Corridor. The objective of these projects will be to improve mobility, safety, and the travel experience for all users of the roadways (pedestrians, bicyclists, transit, and vehicles). This program would help fund projects such as: - Intersection improvements	Study Area Wide	Metro, Gateway Cities COG, SPP Survey, SPP Mapping	Arterial Roadway	General Local / Regional Roadway

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		<ul style="list-style-type: none"> <li>- Bridge replacements</li> <li>- Street widenings and enhancements including lighting, safety features, landscaped medians, and parkways</li> <li>- Complete Streets projects and features, including active transportation (bicycle, pedestrian), and transit stop improvements</li> <li>- Traffic controls (traffic signals, stop signs), signal coordination, and Intelligent Transportation Systems</li> </ul>				
LB-ELA_0221	Atlantic Blvd. widening Over I-5 at Mixmaster Intersection	Would widen Atlantic Avenue bridge structure over I-5 at intersection of Telegraph Road, Eastern Avenue, and Atlantic Boulevard in the City of Commerce. Would help relieve traffic congestion and provide a safer roadway for all modes of transportation.	City of Commerce	Arterial Roadway	General Local / Regional Roadway	
LB-ELA_0133	LB-ELA Corridor Community Health Benefit Program	<p>Under this program, funding would be made available to implement air quality projects to reduce exposure to air pollution as well as health education and screening programs in areas adversely affected by existing and proposed transportation infrastructure projects. The LB-ELA Community Health Benefit Program would serve the communities within the LB-ELA Corridor Study Area. This program would provide subsidy funding to implement projects and outreach activities to improve air quality and public health, including but not limited to:</p> <ul style="list-style-type: none"> <li>- Air Quality Projects for Schools and Community Facilities: air filtration, HVAC upgrades, replacement/sealing of windows and doors, vegetation barriers or buffer landscaping.</li> <li>- Health Education and Screening: community health screening and diagnosis, health education, training for community health workers, outreach programs.</li> </ul>	Study Area Wide	I-710 Motion 5.1/5.2 Early Action Concept, SPP Survey, CA-7	Community Programs	Air Quality / Community Health
LB-ELA_0191	Zero Emission Infrastructure for Autos	Work with local jurisdictions (Cities, County of Los Angeles), public agencies, and private-public partners to develop and site additional charging stations for zero emissions vehicles within the LB-ELA Corridor. Provide grant writing assistance in order to help secure funding. In addition, provide technical support to share best practices such as: identification of incentives and/or policy requirements for new development.	Study Area Wide	SPP Survey, SPP Mapping, CA-7	Community Programs	Air Quality / Community Health
LB-ELA_0192	Bus Electrification Projects	Seek incentives to accelerate the deployment of zero emissions vehicles within the LB-ELA Corridor. Projects could include bus electrification (public transit buses, school buses) as well as zero emissions charging infrastructure. Provide technical and grant writing assistance to define and develop potential projects.	Study Area Wide	Metro, SPP Survey, SPP Mapping, CA-7	Community Programs	Air Quality / Community Health
LB-ELA_0218	Air Quality Monitoring Stations	Add four, new air quality monitoring stations within the LB-ELA Study Area. Sites to be identified in cooperation with the South Coast Air Quality Management District.	Multiple Jurisdictions	I-710 Motion 5.1/5.2 Early Action Concept	Community Programs	Air Quality / Community Health
LB-ELA_0134	LB-ELA Corridor Energy Reduction / Greenhouse Gas Emissions Reduction Program	Under the Energy Reduction / Greenhouse Gas Reduction (GHG) Program, funding would be made available to implement energy reduction as well as greenhouse gas reduction projects in areas impacted by transportation projects within the LB-ELA Corridor. This program would be an important element of any major transportation initiative that takes place within the LB-ELA Corridor. The program would provide subsidy funding to implement projects and educational activities targeted to reducing greenhouse gas emissions. Examples of these projects include: renewable energy projects, solar-power generation, energy efficient lighting, and tree planting, among others.	Study Area Wide	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping	Community Programs	Environment
LB-ELA_0187	LB-ELA Corridor "Urban Greening" Initiative	Under this initiative, proposed projects implemented through the LB-ELA Corridor Investment Plan must consider context sensitive solutions as part of the project design as well as "urban greening" elements that foster environmental resilience. These "urban greening" elements may include items such as: provision of green space/greenbelts; parklets; tree planting; community gardens and community farms; drought tolerant planting; habitat restoration and connectivity; stormwater capture/flood diversion/water management projects; brownfield remediation, natural trail restoration, and green infrastructure, among others. Through the LB-ELA Urban Greening Initiative, project proponents may also partner with other localities, non-profit organizations, or communities in order to plan, design, and implement "green" projects that demonstrate that they provide publicly	Study Area Wide	SPP Survey, SPP Mapping, CA-7, Equity Working Group	Community Programs	Environment

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		accessible open-space and ecosystem benefits such as urban heat island reduction within the LB-ELA Corridor.				
LB-ELA_0190	Public Art / Aesthetics	Policy initiative that would require that a percentage of transportation construction funds for major public work projects be earmarked for public art, landscaping, urban design elements, and other aesthetic features for the projects.	Study Area Wide	SPP Survey, SPP Mapping	Community Programs	Environment
LB-ELA_0009	West Santa Ana Branch Transit-Oriented Development Strategic Implementation Plan and Program (TOD SIP)	The TOD SIP provides an overarching vision and strategic guidance for local West Santa Ana Branch (WSAB) jurisdictions to use as a resource as they develop and implement their own plans, policies and economic development and mobility strategies in the 12 WSAB station areas along the alignment. Additionally, in 2019, the Metro Board approved a \$1M implementation program to fund WSAB jurisdictions to implement TOD SIP recommendations.	Multiple Jurisdictions	Metro LRTP	Community Programs	Housing Stabilization / Land Use
LB-ELA_0135	Housing Stabilization Policies	Applying an integrated approach, work with cities, County of Los Angeles, and public agencies to propose and pass community stabilization policies to support disadvantaged communities within the LB-ELA Corridor, improve their resilience, and address the social determinants of health. Provide grant writing assistance to secure needed funding. Housing stabilization policies and incentives include measures such as: <ul style="list-style-type: none"> <li>- Mandates for process improvement: Engaging the community/forming partnerships with Community Based Organizations;</li> <li>- Community benefits: establish a framework/menu/equitable development scorecard for new development projects;</li> <li>- Develop community land trusts/land banks: for new housing and/or to support naturally occurring affordable housing;</li> <li>- Local wealth creation: encourage production of local for sale affordable housing, down payment assistance programs, homeowner maintenance assistance programs;</li> <li>- Inclusionary housing policies with or without option of in lieu fees;</li> <li>- Housing Trust Fund to support and increase funding for affordable housing production;</li> <li>- Density bonus programs to incentivize affordable and mixed income housing production;</li> <li>- Affordable accessory dwelling unit (ADU) programs and ADU amnesty programs;</li> <li>- Policies to reduce housing costs, such as parking reduction/unbundling, innovative construction techniques, fee waivers, permit streamlining;</li> <li>- Anti-displacement programs for tenants: tenant rights programs including anti-harassment policies/ just cause eviction policies, legal assistance for tenants, no net loss housing policies for new development, limits on residential demolition &amp; conversion, tenant right-to-return policies, local resident preference programs for new housing;</li> <li>- Rent stabilization policies;</li> <li>- Low-income rental assistance programs, low interest loan programs for maintenance and improvement in rent stabilized units;</li> <li>- Anti-displacement programs for homeowners: tax relief/loans/grants for maintenance/foreclosure assistance;</li> <li>- Basic Income Program</li> </ul>	Study Area Wide	COG Ad Hoc Committee, SPP Survey, SPP Mapping	Community Programs	Housing Stabilization / Land Use
LB-ELA_0193	Transit Oriented Communities /Land Use	Work with the local jurisdictions (Cities, County of Los Angeles) to apply best practices and design guidelines to encourage transit-oriented development near rail stations and heavily utilized bus routes within the LB-ELA Corridor. Provide technical resources such as grant writing assistance and technical assistance for community development and land use planning. Assist local jurisdictions in coordination with property owners and developers to ensure safe construction and strengthen connections to transit.	Study Area Wide	Metro, SPP Mapping	Community Programs	Housing Stabilization / Land Use

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0194	Homeless Programs	Support homeless initiatives within the LB-ELA Corridor and efforts and recommendations that have emerged from Metro’s Homeless Task Force, Reimagining Public Safety Initiatives, and other County initiatives and studies to address homelessness in and around the transit system including provisions to: enhance the customer experience; maintain a safe and secure system; and connect homeless persons in the transit system to services and resources.	Study Area Wide	SPP Survey, SPP Mapping	Community Programs	Housing Stabilization / Land Use
LB-ELA_0186	Economic Stabilization Policies	Work with Cities, County of Los Angeles, and public agencies to propose and pass community stabilization policies to support disadvantaged communities within the LB-ELA Corridor. Provide grant writing assistance to secure needed funding. Economic stabilization policies and incentives include measures such as: <ul style="list-style-type: none"> <li>- Mandates for process improvement: Engaging the community/forming partnerships with Community Based Organizations;</li> <li>- Community financial empowerment programs: local hire agreements, workforce education &amp; development, credit improvement programs;</li> <li>- Locally owned business support – small business interruption fund and loan funds during construction, guide for business support services, zoning to encourage small businesses, lease to own programs for businesses and housing;</li> <li>- Identify, protect and encourage legacy and culturally significant businesses, and historical and cultural landmarks, mandate inclusion of arts and culture spaces in new development</li> </ul>	Study Area Wide	COG Ad Hoc Committee	Community Programs	Job Creation / Work Opportunities
LB-ELA_0195	Targeted Hire Programs	Support the development of targeted and local hire programs to increase the share of public dollars that is devoted to creation of local jobs for community residents within the LB-ELA Study Area. Include measures such as the establishment of Project Labor Agreements (PLAs) that specify local and targeted hire goals for specific construction projects as well as first source hire requirements. Collaborate with local jurisdictions and public agencies to align local and targeted hire policies, thresholds, and requirements.	Study Area Wide	I-710 Motion 5.1/5.2 Early Action Concept, SPP Survey, CA-7	Community Programs	Job Creation / Work Opportunities
LB-ELA_0196	Employment/Recruitment Initiatives	Partner with public agencies, large employers, and local businesses to conduct recruitment drives at locations within the LB-ELA Corridor (both virtual and in person.) This initiative would also include job fairs and workshops at community facilities and community colleges to provide information to local residents regarding work opportunities as well as networking resources. Conduct promotional campaigns to actively publicize these events within the LB-ELA Corridor communities.	Study Area Wide	SPP Survey	Community Programs	Job Creation / Work Opportunities
LB-ELA_0197	Vocational Educational Programs	Partner with public agencies, private-sector employers, community colleges, labor organizations and non-profit organizations to expand vocational and educational programs for community residents within the LB-ELA Corridor. Examples could include training for mechanics who work for small businesses that service zero emissions vehicles. These programs would provide opportunities to establish a career pathway to work in key economic sectors and move up through the ranks by focusing on workforce development and skills training.	Study Area Wide	SPP Survey	Community Programs	Job Creation / Work Opportunities
LB-ELA_0004	Long Beach-East Los Angeles Corridor Clean Truck Program	In January 2021, the Metro Board approved the 2021 Goods Movement Strategic Plan, which included a Countywide Clean Truck Initiative, with the 710 South Clean Truck Program identified as a goods movement strategic priority. At its October 2021 meeting, the Metro Board acted to recommit \$50 million from Measure R I-710 South Corridor funds as seed funding for the 710 South Clean Truck Program, which has been subsequently renamed the LB-ELA Zero Emissions Truck Program. The objective of this program is to turn over diesel trucks in favor of zero emissions trucks in the LB-ELA Corridor. The program would contribute subsidy funding to deploy a number of zero emissions trucks on I-710 as well as seed funding to develop electric charging/refueling stations for zero emissions trucks.	Study Area Wide	Metro LRTP, SPP Survey, SPP Mapping, CA-7	Goods Movement	Truck Programs/ITS
LB-ELA_0023	Clean Truck Infrastructure	Install charging infrastructure for zero emissions trucks.	Multiple Jurisdictions	Metro 2028 Mobility Concept Plan, SPP Survey, SPP Mapping	Goods Movement	Truck Programs/ITS

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0184	Empty Container Management	Provide a mix of incentives/fee penalties to encourage shippers/marine terminals to clear empty containers from docks/near dock facilities at the Ports to reduce congestion and unnecessary truck trip movements. Extend use of off-peak hours for empty returns.	Ports	Ports	Goods Movement	Truck Programs/ITS
LB-ELA_0185	Freight Advanced Traveler Information Systems	Application of advanced technologies to manage drayage truck movements to and from the Ports. The system integrates real-time roadway traffic data, vessel/container tracking, real-time container terminal visit times, and GPS-based information to optimize the sequencing of container delivery and pick-up. The purpose is to improve cargo handling and efficiencies and reduce congestion near intermodal yards and Port facilities.	Multiple Jurisdictions	Ports, SPP Survey	Goods Movement	Truck Programs/ITS
LB-ELA_0024	Pier 400 On Dock Rail Modernization	On-dock railyard expansion to accommodate electric operated rail-mounted gantry cranes.	Port of LA	Metro 2028 Mobility Concept Plan	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0025	Terminal Island Transfer Facility Modernization	On-dock railyard expansion to accommodate electric operated rail-mounted gantry cranes.	Port of LA	Metro 2028 Mobility Concept Plan	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0026	West Basin Container Terminal Railyard Modernization	On-dock railyard expansion to accommodate electric operated rail-mounted gantry cranes.	Port of LA	Metro 2028 Mobility Concept Plan	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0124	Port of Los Angeles National Multimodal Freight Network Improvement Program: Rail System Improvement Projects	Additional rail tracks in POLA to improve overall rail operations, including supporting on-dock railyards	Port of LA	Port of Los Angeles/COG, SPP Survey	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0151	Goods Movement Freight Rail Study	Conduct an assessment to evaluate options for deriving greater utilization of the Alameda Corridor as a potential means for reducing truck trips within the Southern California subregion. This assessment would include options such as: opportunities to increase on-dock freight rail mode share; implementation of short-haul, freight rail shuttle service to new inland rail facilities; and increased use/improved operational efficiencies of existing near dock and off dock intermodal facilities. This evaluation would take into account updated cargo forecasts, economic factors and projections, current trends associated with the goods movement logistics chain including transload truck trips, and railroad and intermodal capacity constraints in the Southern California region. The Goods Movement Freight Rail Study would assess options from a systemwide perspective and would include factors such as changes in truck trip travel patterns, land use implications, and the potential for environmental impacts as well as institutional constraints.	Barstow	SPP Survey	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0217	Freight Rail Electrification Pilot Project	Work with the Union Pacific (UP) and BNSF railroads to develop and test battery electric locomotives for operation on the Pacific Harbor Line and in the Alameda Corridor with an ultimate goal of advancing a zero-emissions technology capable of entering commercial, revenue service operation.	Multiple Jurisdictions	Task Force, Equity Working Group	Goods Movement	Freight Rail / Goods Movement TDM
LB-ELA_0011	SR-47 Navy Way Interchange	SR 47/Navy Way Interchange: Construction of Interchange At SR-47 / Navy Way, between SR-47 Vincent Thomas Bridge and Pier S Avenue Interchange, to eliminate traffic signal and movement conflicts. This Project was a S. Cal Trade Corridor Tier II TCIF Project as submitted to the CTC In 2008. This project would remove the last signal on SR 47 between Desmond and V. Thomas Bridges; NHS Intermodal Connector Route	Port of Los Angeles	SCAG RTP, PIPO, Ports	Goods Movement	Ports
LB-ELA_0021	Alameda Corridor Terminus Enhancements	New Cerritos channel rail bridge and supporting connections throughout Port of LA.	Port of Los Angeles	Metro 2028 Mobility Concept Plan	Goods Movement	Ports

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0022	Terminal Way Grade Separation	New grade separation to replace at-grade crossing to improve freight traffic flow.	Port of Los Angeles	Metro 2028 Mobility Concept Plan	Goods Movement	Ports
LB-ELA_0121	Pier D Street Realignment	Realign Pier D Street, from Middle Harbor Exit gate to Pico Avenue. Currently Pier D Street has sight distance issues, inadequate curve radii, and drainage/flooding issues at the low point. The Pier D Realignment project will provide redundancy through Pier D thereby improving safety and traffic flows. The scope of the project is to widen & reconstruct Pier D Street between the Middle Harbor Exit Gate and Pico Avenue and to reconfigure West Broadway. Additional scope items includes construction of a new pump station, retaining walls, utility upgrades, striping, signage and traffic signal work.	Port of Long Beach	Port of Long Beach/COG, SPP Mapping	Goods Movement	Ports
LB-ELA_0122	Harbor Scenic Drive Roadway & Infrastructure Improvements	Improve Harbor Scenic Drive, from Harbor Plaza to Ocean Boulevard. The project would: increase the roadway pavement structural section to replace the existing aged pavement; provide horizontal and vertical alignments improvements for enhanced safety; improve striping, traffic signage and way-finding signage; improve highway lighting; enhance drainage facilities (including the introduction of permanent water quality enhancements such as bio-swales and catch basin inlet/pipe screens); revamp the parkway and median landscaping and irrigation; and provide utility improvements and enhancements.	Port of Long Beach	Port of Long Beach/COG, SPP Survey	Goods Movement	Ports
LB-ELA_0123	Pico Avenue Street Improvement	Improve Pico Avenue, between Pier D Street and Pier E Street. This roadway improvement project would: widen a short segment of roadway; improve truck congestion and truck safety; reconstruct the pavement, improve the existing surface drainage and upgrade the storm drain inlets; upsize the sewer line; provide continuous sidewalks with ADA accessible features; upgrade street lighting; and extend landscaping and hardscape features.	Port of Long Beach	Port of Long Beach/COG, SPP Survey	Goods Movement	Ports
LB-ELA_0131	Port of Los Angeles National Multimodal Freight Network (NMFN) Improvement Program: Maritime Support Facility Access/Terminal Island Rail System Grade Separation	The project consists of constructing a four-lane, rail-roadway grade separation that eliminates a significant truck access impediment to an important container terminal support facility located on Terminal Island, at the centroid of the Ports of Los Angeles-Long Beach (POLA-POLB).	Port of Los Angeles	PIPO (Port of Los Angeles)	Goods Movement	Ports
LB-ELA_0132	Pier 300 Wharf Expansion/Vessel Emission Reduction Project	Pier 300 Wharf Expansion/Vessel Emission Reduction Project. This project constructs 1,250 lineal feet of container terminal wharf and supporting backland for Pier 300. It includes electrical infrastructure to operate ship-to-shore cranes and shore-side power to operate all necessary vessel systems, which will reduce about 80 percent of emissions while at berth.	Port of Los Angeles	PIPO (Port of Los Angeles)	Goods Movement	Ports
LB-ELA_0001	West Santa Ana Branch Transit Corridor (LRT)	The Project consists of 12 stations and is a 19-mile light rail transit corridor that will connect southeast LA County to downtown Los Angeles, serving the cities and communities of Artesia, Cerritos, Bellflower, Paramount, Downey, South Gate, Cudahy, Bell, Huntington Park, Vernon, unincorporated Florence-Graham community of LA County and downtown Los Angeles. Complete 4.5-mile section between Slauson A Line and Union Station.	Multiple Jurisdictions	Metro LRTP, SPP Survey, SPP Mapping	Transit	High Capacity Transit (Rail & BRT)
LB-ELA_0002	C Line (Green) Eastern Extension (Norwalk) (LRT)	Extends the C Line (Green) 2.8 miles from Norwalk to the Norwalk/Santa Fe Springs Metrolink Station.	Norwalk	Metro LRTP	Transit	High Capacity Transit (Rail & BRT)
LB-ELA_0019	Atlantic Bus Only Lane and Transit Signal Prioritization (Next Gen Improvements)	BRT project along Atlantic to provide improved speed, reliability, and frequency.	Multiple Jurisdictions	Metro 2028 Mobility Concept Plan, SPP Survey, SPP Mapping	Transit	High Capacity Transit (Rail & BRT)
LB-ELA_0219	Metrolink Regional Rail Line between Union Station and Long Beach	Construct a new Metrolink regional rail line between Union Station and downtown Long Beach. Trains would be powered using electrical multiple unit (EMU) traction motors, which are anticipated to be required by the California Air Resources Board after 2030. Specific EMU technology has yet to be determined, but could be powered by overhead catenary, hydrogen fuel cell, or catenary/battery electric. Trains would operate along the existing SCRRA Metrolink line between Los Angeles and Commerce and then transition into Union Pacific (UP) railroad right of way (potentially along the San	Multiple Jurisdictions	Task Force (SCRRA)	Transit	High Capacity Transit (Rail & BRT)

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		Pedro Subdivision Corridor) for the segment between Commerce and Lakewood. However, sections of a second track would likely need to be constructed in this middle section in order to operate up to four trains per hour in each direction in the peak period. In addition, substantial portions of the southern section of the alignment, between Lakewood and downtown Long Beach, would require new right-of-way to provide needed trackage to connect to the downtown Long Beach area. New stations would be constructed and spaced every 1 to 3 miles depending upon the location. It is anticipated that these Metrolink trains would interline through Link US (at Union Station) with the Antelope Valley Line to the north.				
LB-ELA_0160	Line A (Blue Line) Transit Priority/Signal Synchronization	Enhanced signal prioritization/synchronization so that the A Line (Blue Line) has higher priority in areas where the LRT trains operate in mixed flow traffic	Multiple Jurisdictions	SPP Mapping, SPP Survey	Transit	Rail Line / Station Improvements
LB-ELA_0171	Commuter Rail Maintenance, Repair, and Safety Projects	Implement planned repair, maintenance, and safety projects to Metro-owned railroad infrastructure along the Los Angeles/Orange County commuter rail line within the LB-ELA Corridor study area.	Multiple Jurisdictions	Annual Commuter Rail State of Good Repair (SOGR) Program	Transit	Rail Line / Station Improvements
LB-ELA_0172	Commerce Metrolink Station Improvements	Improve train platforms, shift tracks, install pedestrian barriers and pedestrian crossing safety features, extend and widen sidewalks and walkways, add lighting, install new ADA accessibility features, replace equipment, provide bike path striping, add wayfinding signage, and provide new landscaping.	Commerce	LA County Metrolink Station Assessment & Improvement Plan	Transit	Rail Line / Station Improvements
LB-ELA_0173	Grade Separation(s) of the A Line [Blue Line] at Washington Street	Provide grade separation of the A Line [Blue Line] at the Washington St./Flower St. junction and at Washington Street.	Los Angeles	Metro, SPP Survey, SPP Mapping	Transit	Rail Line / Station Improvements
LB-ELA_0174	New Metrolink Station at planned Commerce/Citadel Station	Construct a new Metrolink Station on the Los Angeles – Riverside Metrolink Commuter Rail Line at the planned Eastside Transit Corridor station at Commerce/Citadel.	Commerce	Metro	Transit	Rail Line / Station Improvements
LB-ELA_0175	Install Quad Safety Gates at all A Line [Blue Line] Crossings	Install Quad Safety Gates at all A Line [Blue Line] Crossings for safety and increased speed/safety zones	Multiple Jurisdictions	Metro	Transit	Rail Line / Station Improvements
LB-ELA_0176	Install Supervisory Control and Data Acquisition System for A Line [Blue Line]	Install Supervisory Control and Data Acquisition System [SCADA] along the A Line [Blue Line] in the downtown area of Long Beach. This technology would allow Metro to better operate and manage the rail transit line to improve train reliability	Long Beach	Metro	Transit	Rail Line / Station Improvements
LB-ELA_0177	Add Second Elevator to Firestone and Slauson A Line [Blue Line] Stations	Add second elevator to Firestone and Slauson A Line [Blue Line] Stations for improved access and reliability	Florence-Graham	Metro	Transit	Rail Line / Station Improvements
LB-ELA_0016	Connecting C Line (Green) and Metrolink Norwalk Station	New express shuttle service between C Line Norwalk Station and Metrolink Norwalk Station to close existing transit gap. Near term solution until C Line is extended eastward.	Norwalk	Metro 2028 Mobility Concept Plan	Transit	Bus Transit
LB-ELA_0130	Long Beach Transit (LBT) Solar Charging Electrification Project	The project would convert the current bus parking area, at the agency's main operating base, into a facility for charging Battery Electric Buses (BEBs) through the erection of solar-powered parking canopies, to enable Long Beach Transit to transition to 100% emission bus fleet by 2030.	Long Beach	PIPO (Long Beach Transit), SPP Mapping	Transit	Bus Transit

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0140	Metro Micro Transit Zone(s)	Implementation of new Metro on-demand, flexible transit service for the northern section of the I-710 Study Area between Lynwood and Commerce. - Rides can be booked online, by app, or by phone. Rides are prescheduled, same day/multiple days. - Uses small capacity vans (seats 7-10 riders). - Pick-up/drop-off where safe (virtual stops). Targeted maximum wait time is 15 minutes.	Multiple Jurisdictions	COG Ad Hoc Committee, SPP Mapping	Transit	Bus Transit
LB-ELA_0141	Metro Bus Priority Lane Corridor along Line 60 (Long Beach Blvd.)	Improve bus times, speeds, and reliability along Line 60 (Long Beach Blvd.). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0142	Metro Bus Priority Lane Corridor along Line 108 (Slauson)	Improve bus times, speeds, and reliability along Line 108 (Slauson). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0143	Metro Bus Priority Lane Corridor along Line 110 (Gage)	Improve bus times, speeds, and reliability along Line 110 (Gage). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0144	Metro Bus Priority Lane Corridor along Line 111 (Florence)	Improve bus times, speeds, and reliability along Line 111 (Florence). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0145	Metro Bus Priority Lane Corridor along Line 115 (Firestone)	Improve bus times, speeds, and reliability along Line 115 (Firestone). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	South Gate / Downey	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0146	Metro Bus Priority Lane Corridor along Line 260 (Atlantic Blvd.)	Improve bus times, speeds, and reliability along Line 260 (Atlantic Blvd.). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Transit	Bus Transit
LB-ELA_0164	Improved Frequency of Metro Buses in the LB-ELA Study Area	Provide a 50 percent improvement on all Metro fixed bus routes greater than 10 minutes in the AM and PM peak periods. And, provide a 50 percent improvement on all Metro fixed bus routes greater than 15 minutes in the Midday and Evening periods. [For example, a bus route that has as frequency of a bus every 30 minutes would improve to a bus arriving every 15 minutes.]	Study Area Wide	SPP Survey, SPP Mapping, CA-7	Transit	Bus Transit
LB-ELA_0178	Metro Bus Priority Lane Corridor along Line 18 (Whittier Blvd.)	Improve bus times, speeds, and reliability along Line 18 (Whittier Blvd.). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Los Angeles / East LA	SPP Survey	Transit	Bus Transit
LB-ELA_0179	Metro Bus Priority Lane Corridor along Line 66 (Olympic Blvd.)	Improve bus times, speeds, and reliability along Line 66 (Olympic Blvd.). Proposed improvements would include: transit signal prioritization, bus priority lanes and bus stop bulb outs, all door boarding, bus stop and layover improvements.	Los Angeles / East LA	SPP Survey	Transit	Bus Transit
LB-ELA_0077	Bus Stop Improvements	Installation of Bus shelters and benches at Metro and City of Commerce Transit Stop (Various locations within the City of Commerce)	Commerce	City of Commerce/COG, SPP Survey	Transit	Transit Amenities
LB-ELA_0103	Bus Stop Improvements	Installation of Bus shelters and benches at Metro and City of Maywood Transit Stop (Various locations within the City of Maywood)	Maywood	City of Maywood/COG, SPP Survey	Transit	Transit Amenities

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0118	Bus Shelter Upgrades	Upgrade bus shelters at various locations within the City of Signal Hill.	Signal Hill	City of Signal Hill/COG, SPP Survey	Transit	Transit Amenities
LB-ELA_0136	Enhanced Transit Security	Provide enhanced transit security measures and features on Metro trains, buses, and at Metro rail stations including: security devices such as cameras and call buttons, improved incident response, and additional security officers and/or plainclothes staff.	Multiple Jurisdictions	SPP Mapping	Transit	Transit Amenities
LB-ELA_0147	Transit Traveler Information System Application (ITS)	Integrated system and web-based application to provide real-time information to users on optimal transit routes and transit options based on time of day as well as estimated arrival times of buses under real time travel conditions.	Study Area Wide	SPP Survey	Transit	Transit Amenities
LB-ELA_0148	Transit Fare Discount Program	Expand Metro's program to provide increased transit fare discounts for low-income riders, students, and seniors. Target low income or disadvantaged communities within the LB-ELA Corridor Study Area.	Study Area Wide	SPP Survey	Transit	Transit Amenities
LB-ELA_0149	Increased Security Features at Metro's Existing and Planned Light Rail Stations	Lighting, security cameras, improved line of sight, incident/emergency response plans, and other safety features at Metro stations/parking structures.	Multiple Jurisdictions	SPP Survey	Transit	Transit Amenities
LB-ELA_0152	Transit Marketing and Education Program	Expansion of Metro's collaborative effort with Metrolink, Long Beach Transit, and city municipal bus lines to promote transit and alternative modes of transportation to the single occupant vehicle. Include features such as "free transit" day and transit passes to employees or students to encourage transit use.	Multiple Jurisdictions	SPP Survey	Transit	Transit Amenities
LB-ELA_0161	Transit Ambassador Program	Enhance Metro's Transit Ambassador Program within the LB-ELA Corridor to bring non-law enforcement representatives to improve the customer experience, reinforce public safety, and increase ridership on the transit system.	Study Area Wide	SPP Mapping	Transit	Transit Amenities
LB-ELA_0168	Compton Transit Management Operations Center Enhancements	Project improvements would include: beautification, art, monuments, safety, increased bike storage, bike parking, walkways, and bike paths (Phases 1 -5). Location: Compton Transit Management Operations Center: 275 N. Willowbrook Ave., Compton.	Compton	Task Force	Transit	Transit Amenities
LB-ELA_0169	Southeast LA Transit Improvement Program	Pending stakeholder input and local jurisdiction approval, this project could include a "cloud-based" Countywide Signal Priority upgrade, 100 bus stop shelters at existing bus stops with over 50 daily boardings but without an existing shelter, 100-solar powered real-time arrival displays, 100 bus stop solar light upgrades for stops without shelters that have lighting, terminal/layover expansion improvements at the Norwalk, Artesia, and Compton Stations, and 100 Zero-Emissions Bus charging masts.	Multiple Jurisdictions	PIPO (Southeast LA), SPP Survey	Transit	Transit Amenities
LB-ELA_0189	Transit System Cleanliness/Maintenance	Strengthen policies committing Metro to regular cleaning and maintenance activities on all transit vehicles and at bus and rail stations within the LB-ELA Corridor. These activities consist of cleaning and disinfection of high touchpoint surfaces, graffiti removal, cleanup of spills and biohazards, and trash removal. Maintain station landscaping. Provide high-efficiency air filters on bus and rail transit vehicles. Ensure that the agency dedicates sufficient resources for this effort.	Study Area Wide	SPP Survey, SPP Mapping	Transit	Transit Amenities
LB-ELA_0203	Bus Stop Improvements	Collaborate with the local jurisdictions (cities, unincorporated areas of Los Angeles County) to implement bus stop improvements within the LB-ELA Corridor. Bus stop improvements would include items such as: <ul style="list-style-type: none"> <li>- Lighting</li> <li>- Security Features</li> <li>- Benches</li> <li>- Shade and shelters</li> </ul>	Study Area Wide	SPP Survey, SPP Mapping, CA-7, Community Leadership Committee (CLC)	Transit	Transit Amenities

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
		<ul style="list-style-type: none"> <li>- Drinking Fountains</li> <li>- Solar-powered arrival displays</li> <li>- Trashcans</li> <li>- Landscaping</li> <li>- Signage</li> <li>- Crosswalks</li> <li>- Improved ADA accessibility, including repositioning of utility boxes on the sidewalk</li> </ul> Provide financial support in order to help leverage local funds for project implementation. Funds would be made available based on criteria such as: project need, project readiness, and project benefits relative to costs, among other factors.				
LB-ELA_0028	I-710/Willow Interchange Improvements	Reconfiguration of I-710/Willow Interchange to improve operations, safety, and sight distance for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Long Beach	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping, City of Long Beach/COG	Freeway	Freeway Improvements
LB-ELA_0029	I-710/Del Amo Interchange Improvements	Reconfiguration of I-710/Del Amo Interchange to improve operations, safety, and sight distance for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Long Beach/Carson	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping, City of Long Beach/COG	Freeway	Freeway Improvements
LB-ELA_0030	I-710/Long Beach Blvd. Interchange Improvements	Upgrade of I-710/Long Beach Blvd. Interchange to improve operations, safety, and sight distance for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Long Beach	I-710 Motion 5.1/5.2 Early Action Concept	Freeway	Freeway Improvements
LB-ELA_0031	I-710/Alondra Interchange Improvements & Modification of SB I-710 to SR-91 Connectors	Reconfiguration of I-710/Alondra Interchange to improve operations, and safety for traffic entering and exiting the freeway. Improve, relocate SB I-710 to SR-91 Connectors to reduce weaving movements. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Compton	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping	Freeway	Freeway Improvements
LB-ELA_0032	I-710/Imperial Interchange Improvements	Reconfiguration of I-710/Imperial Interchange to improve operations, safety, and sight distance for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Downey/Lynwood	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping	Freeway	Freeway Improvements
LB-ELA_0033	I-710/Firestone Interchange Improvements	Upgrade of I-710/Firestone Blvd. Interchange to improve operations and safety for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	South Gate	I-710 Motion 5.1/5.2 Early Action Concept, SPP Mapping	Freeway	Freeway Improvements
LB-ELA_0034	I-710/Florence Interchange Improvements	Reconfiguration of I-710/Florence Interchange to improve operations, safety, and sight distance for traffic entering and exiting the freeway. Improve traffic controls to address safety concerns of bicyclists, pedestrians at ramp termini. Upgrade bridge structures to allow space for bicycle/pedestrian connections across I-710 and LA River Channel.	Bell / Bell Gardens	I-710 Motion 5.1/5.2 Early Action Concept, City of Bell Gardens/COG	Freeway	Freeway Improvements
LB-ELA_0035	I-710 Auxiliary Lanes (Willow to Wardlow)	Provide auxiliary lanes in the NB and SB directions of I-710, between Willow St. and I-405 Connectors at Wardlow Road to better manage traffic weaving conflicts and related congestion.	Long Beach	I-710 Motion 5.1/5.2 Early Action Concept	Freeway	Freeway Improvements
LB-ELA_0036	I-710 / I-405 Connector Project Improvements	Modify SB I-710 Collector Distributor Road/Eliminate SB I-710 to EB Wardlow Boulevard exit at Wardlow Road. Modify NB I-710 to SB I-405 Connector/Eliminate WB Wardlow Boulevard on ramp to NB I-710/I-405 Connectors.	Long Beach	I-710 Motion 5.1/5.2 Early Action Concept	Freeway	Freeway Improvements

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0037	I-710/I-105 Connector Project Improvements	Modify and relocate I-710 / I-105 Connectors along I-710 between I-105 and Imperial Highway in both directions to resolve weaving issues and related congestion on I-710 between I-105 and Imperial Highway.	Lynwood / Paramount	I-710 Motion 5.1/5.2 Early Action Concept	Freeway	Freeway Improvements
LB-ELA_0038	I-710 Auxiliary Lanes (Del Amo Boulevard to Long Beach Boulevard)	Provide auxiliary lanes in the NB and SB directions of I-710, between Del Amo Boulevard and Long Beach Boulevard to better manage traffic weaving conflicts and related congestion.	Rancho Dominguez/Long Beach	I-710 Motion 5.1/5.2 Early Action Concept	Freeway	Freeway Improvements
LB-ELA_0043		I-710, MP 22.2. In Commerce and Vernon, at Hobart Rail Yard Overhead No. 53-0840. Rehabilitate, clean, and paint bridge.	Commerce/Vernon	SHOPP	Freeway	Freeway Improvements
LB-ELA_0045		Route 91, MP R11.7. In Long Beach, at LA River (W91 -N710 & S710) Bridge No. 53-2143F. Replace portions of the bridge deck and apply polyester concrete overlay.	Long Beach	SHOPP	Freeway	Freeway Improvements
LB-ELA_0053		I-405, MP 7.2. In Long Beach, at the Pacific Place Maintenance Station at 3725 Pacific Place. Replace a deteriorated building with a new building at the maintenance station.	Long Beach	SHOPP	Freeway	Freeway Improvements
LB-ELA_0091	I-710/Anaheim Interchange Improvement	Reconstruct I-710/Anaheim Interchange to provide operational and safety improvements.	Long Beach	City of Long Beach/COG	Freeway	Freeway Improvements
LB-ELA_0092	I-710/PCH Interchange Improvement	Reconstruct I-710/Pacific Coast Highway (PCH) Interchange to provide operational and safety improvements.	Long Beach	City of Long Beach/COG, SPP Mapping	Freeway	Freeway Improvements
LB-ELA_0093	I-710/Wardlow Interchange Improvement	Reconstruct I-710/Wardlow Interchange to provide operational and safety improvements.	Long Beach	City of Long Beach/COG	Freeway	Freeway Improvements
LB-ELA_0156	Traffic Controls at I-710 Freeway Ramps	Add traffic signals with protected pedestrian/bicycle phase(s), crosswalks, lighting, landscaping, signing and striping, and other safety-related pedestrian features at the ramp termini of I-710.	Multiple Jurisdictions	SPP Survey	Freeway	Freeway Improvements
LB-ELA_0180	I-710 Truck Bypass Lanes	Construct truck bypass lanes on I-710 between Willow Street and Del Amo Boulevard. The purpose of the improvement would be to separate cars from trucks through the congested I-710/I-405 interchange for purposes of safety and mobility.	Long Beach	SPP Survey	Freeway	Freeway Improvements
LB-ELA_0181	Freeway Lids, Caps, and Widened Bridge Decks	Widen arterial bridge decks at key locations over the I-710 Freeway/LA River Channel to provide "land islands," "urban parklets," and "green belt" connections over I-710 and the LA River. Include pedestrian / bicycle pathways.	Multiple Jurisdictions	SPP Survey	Freeway	Freeway Improvements
LB-ELA_0039		I-710, MP R6.0-14.1. In Long Beach and Compton, from Shoreline Drive to north of Alondra Boulevard. Enhance highway worker safety by constructing Maintenance Vehicle Pullouts (MVPs), upgrading guardrail and end treatments, paving beyond the gore, installing erosion control and replacing pull boxes.	Long Beach/Compton	SHOPP	Freeway	Freeway Amenities / ITS

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0046		I-405. In and near the cities of Long Beach, Signal Hill, Los Angeles, and Carson, rehabilitate pavement, upgrade signs, rehabilitate bridge, upgrade lighting, improve safety, rehabilitate Transportation Management System (TMS) elements and replace copper cabling with fiber, rehabilitate culverts, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	Multiple Jurisdictions	SHOPP	Freeway	Freeway Amenities / ITS
LB-ELA_0048		I-105, MP R14.3. In Paramount, at Grove Street at the Garfield Avenue Pump Station. Replace pumps, add lighting, construct Maintenance Vehicle Pullouts (MVPs), and provide a fiber optic connection to the pump house.	Paramount	SHOPP	Freeway	Freeway Amenities / ITS
LB-ELA_0049		I-710, MP 18.7-19.6. In South Gate and Bell Gardens, at the South Gate Pump Plant and the Florence Avenue Pump Plant; also in Downey on Route 105 at the Ardis Avenue Pump Plant (PM R16.48). Upgrade pump plants.	South Gate/Bell Gardens/Downey	SHOPP	Freeway	Freeway Amenities / ITS
LB-ELA_0050		Route 91. In the cities of Carson, Compton, Long Beach, and Bellflower. Upgrade overhead signs and sign structures, rehabilitate landscaping, and enhance highway worker safety.	Multiple Jurisdictions	SHOPP	Freeway	Freeway Amenities / ITS
LB-ELA_0052		Route 47. In Long Beach from Route 710 to north of Route 710 (PM 3.497/3.58). Upgrade Transportation Management System (TMS) elements, replace fiber optic cable, and connect upgraded equipment to communication hubs.	Wilmington	SHOPP	Freeway	Freeway Amenities / ITS
LB-ELA_0054		I-710, MP 24.7. Near the neighborhood of East Los Angeles, at Humphrey Maintenance Station at 102 South Humphreys Avenue. Construct a new office building, an equipment storage building, and a Zero Emission Vehicle (ZEV) charging station and demolish an existing building.	East Los Angeles	SHOPP, SPP Survey	Freeway	Freeway Amenities / ITS
LB-ELA_0137	Freeway Soundwalls	Build higher soundwalls to protect residents from air pollution, noise, and other impacts (Design Package 2, Design Package 3). Perform noise studies for all remaining walls along I-710 that are less than 16 feet high to identify additional, feasible soundwall projects that would realize the greatest benefits for impacted residents and other sensitive receivers.	Multiple Jurisdictions	SPP Survey	Freeway	Freeway Amenities / ITS
LB-ELA_0155	Drought Tolerant Landscaping, Hardscaping and Aesthetic Features along I-710	Provide drought tolerant landscaping within existing, available right-of-way along I-710. Where needed, add context sensitive lighting features and additional signage to improve safety. Include hardscaping and other aesthetic features to improve the attractiveness of the freeway for users and for adjacent land uses/communities.	Multiple Jurisdictions	SPP Survey, Task Force, Equity Working Group	Freeway	Freeway Amenities / ITS
LB-ELA_0157	I-710 Particulate Matter (PM) Reduction Pilot Project	Implement a pilot project on I-710 to deploy and evaluate measures to reduce exposure of nearby populations to particulate matter, specifically localized sources of entrained/fugitive dust, tire wear, and brake wear associated with traffic on the freeway. These measures may include roadside vegetation barriers within available Caltrans' right-of-way, air filters for nearby schools or community facilities, pavement materials, frequent street-sweeping, and deployment of air quality monitoring systems, among others. In addition, include options to examine the effectiveness of "cool pavement" applications to reduce heat island effects. As part of the work plan, the pilot project would include a study element to assess and document the efficacy of the various measures.	Multiple Jurisdictions	SPP Survey, Task Force	Freeway	Freeway Amenities / ITS
LB-ELA_0188	Freeway Landscaping / Maintenance	Ongoing Caltrans Program that ensures that maintenance projects and activities such as trash removal, landscaping, provision of drought-resistant vegetation, and graffiti removal take place on a regular basis within state, public rights of way in the LB-ELA Corridor. Ensure that the agency dedicates sufficient resources for this effort.	Study Area Wide	SPP Survey	Freeway	Freeway Amenities / ITS
LB-ELA_0154	I-710 Zero-Emission Truck Travel Zone Restriction	Establish a zero-emission truck-only travel zone on I-710. Only zero emissions trucks would be able to travel on I-710, while diesel and near-zero emissions heavy duty trucks would be excluded. No new lanes would be added to the existing footprint of I-710. No restrictions would be placed on autos.	Multiple Jurisdictions	SPP Survey, COG Ad Hoc Committee	Freeway	Zero Emissions Lanes on I-710

Indicates Umbrella Program of Multiple Projects and/or Initiatives

Project ID	Name (if applicable)	Short Description	Location	Source	Type	Subtype
LB-ELA_0183	Zero Emissions Truck Lane	Explore options and assess the feasibility of converting the right-hand lane on I-710 to create a Zero Emissions Truck Lane. Only zero emissions trucks would be able to travel in this lane, while fossil fuel vehicles would be excluded. No new lanes would be added to the existing footprint of I-710.	Multiple Jurisdictions	Metro, SPP Survey	Freeway	Zero Emissions Lanes on I-710
LB-ELA_0153	Congestion Pricing	Implement congestion pricing strategy for the I-710 freeway. No new lanes would be added to the existing footprint of I-710. Rather single occupant vehicles and trucks entering and exiting the freeway would be tolled by deploying an automated readers and electronic toll collection system that allows users to conveniently pay tolls using a toll tag that is mounted on the interior of their vehicle. Carpools, zero emission trucks, and zero emission autos would travel for free.	Multiple Jurisdictions	SPP Survey	Freeway	Congestion Pricing
LB-ELA_0182	Express Lanes Strategic Initiative	Advance planning studies to implement express lanes on key freeways in the study area, including I-405, I-105, and SR-91.	Multiple Jurisdictions	Metro, SPP Survey	Freeway	Congestion Pricing

Sources:

SPP Survey: Metro Task Force Social Pinpoint Survey Comments  
 SPP Mapping: Metro Task Force Social Pinpoint Mapping Comments  
 PIPO: Metro Task Force 2022/2023 Pre-Investment Plan Opportunity Projects  
 COG/Cities/County: Gateway Cities COG Complete Streets Master Plans  
 COG Ad Hoc Committee: Summary of Recommended Projects and Program  
 Community Leadership Committee (CLC)

Metro ATSP: Metro Active Transportation Strategic Plan  
 LB Bicycle Master Plan: City of Long Beach Bicycle Master Plan  
 SHOPP: Caltrans State Highway Operation and Protection Program  
 I-710 Motion 5.1/5.2 Early Action Concepts  
 CA-7: Community Alternative 7  
 Equity Working Group

Metro LRTP: Metro Long Range Transportation Plan  
 SCAG RTP: Southern California Association of Governments Regional Transportation Plan  
 Metro 2028 Mobility Concept Plan  
 City Name/COG: Projects Submitted by Local Jurisdictions  
 Task Force