LEVEL 2A EVALUATION



Appendix D. ALTERNATIVES EVALUATION DOCUMENTATION



LEVEL 2A EVALUATION CRITERIA

The following evaluation criteria were developed to compare how well each option in Level 2 screening meets the Purpose and Need and goals of the project. The performance measures are a mix of qualitative and quantitative assessment, and are based on the criteria and the data available at this stage of development.

Category	Criteria	Performance Measure	Considerations
	Relative level of conflict - Vehicular	Vehicular conflict points	Qualitative and relative Level of vehicular conflict
Safety	Relative level of conflict – Pedestrians/bicyclists	Vehicular and pedestrian/bicyclist conflict and exposure/maneuver points	Qualitative and relative
	Potential crash reduction	Anticipated crash reduction for identified predominant crash pattern	 Quantitative (when possible) and relative Expected change in number of crashes Based on CDOT Safety Performance Factor (SPF) and FHWA Crash Modification Factors (CMFs) for predominant crashes (when available)
	Roadway capacity related to 2040 travel demand	Daily and peak 2040 volume-to- capacity ratio 2040 Vehicle Miles Traveled (VMT) and Vehicle Hours Traveled (VHT)	Quantitative
	Volume throughput	 2040 traffic volume throughput at key locations South of Mineral Ave South of Church Ave North of Belleview Ave North of Dartmouth Ave North of Florida Ave 	Quantitative
Operational Performance	Travel time reliability	Ability of option to improve flexibility of Santa Fe to respond to variations in traffic volume	Qualitative Average speed along Santa Fe
	Freight movements	Ability of option to accommodate current and future freight traffic movements with minimal impacts to Santa Fe operations or safety	 Qualitative Configurations that provide area and channelization for large and slow-moving vehicles facilitate freight movements
	Access operational impacts on Santa Fe Drive	Opportunities to reduce direct access points on Santa Fe Drive	 Qualitative Configurations that allow access closures on Santa Fe with alternate property access would reduce access points

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Category	Criteria	Performance Measure	Considerations
Multimodal	Enhanced walking and biking crossings	New or enhanced crossing opportunities for pedestrians and bicyclists across Santa Fe Pedestrian/bicyclist crossing type, length, and spacing	 Qualitative Differentiating characteristics of pedestrian/bicyclist crossings Relatively large intersection footprints, wide roadway corridors, or complicated routing is intimidating for pedestrians and bicyclists travel
Connections	Expansion of walking and biking opportunities	New infrastructure and/or wayfinding for pedestrians and bicyclists	Qualitative and relativeDifferentiating characteristics of new facilities, wayfinding, and/or routes
	Optimized transit use	Enhanced transit service and accessibility	Qualitative and relativeDifferentiating characteristics of new transit service and/or connections
	Property impacts	Number of properties that may be impacted based on conceptual layout	Quantitative and relative Number of properties impacted Notable property types (e.g. railroad)
Community / Quality of Life	Property access modifications	Number of property accesses impacted (existing and potential future) Real and perceived difficulty to access area businesses	QualitativeNumber of property accesses (driveways) that are expected to be changed with option
	Support of local and regional planning and policy efforts	Noted consistencies and inconsistencies with recommendations within documented plans and local agency policies	Qualitative
	Potential impacts on environmental resources	 Qualitative and quantitative assessment of notable benefits and/or impacts to differentiating environmental resources: Air Quality Wetlands and other Waters of the U.S. Noise Floodplains 	Quantitative (when possible) and relative
Environmental Resources	Potential impacts on social and built environment	 Qualitative and quantitative assessment of notable benefits and/or impacts to differentiating environmental resources: Environmental Justice and socioeconomic resources Hazardous materials Historic resources Recreational (4(f) & 6(f)) properties Visual/aesthetics 	Quantitative (when possible) and relative

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Category	Criteria	Performance Measure	Considerations
Constructability	Ease of implementation	Assessment of implementation requirements and/or construction complexity (e.g., permitting, approvals, construction traffic control)	 Qualitative Type of permitting and clearance requirements and relative duration Complexity and/or cost of maintaining traffic during construction, construction duration and phasing Railroad coordination and approval requirements
	Ability to implement as standalone project	Assessment of ability to construct as separate project from other corridor improvements with a fundable construction project	 Qualitative Construction as stand-alone project with operation, safety, and/or multimodal benefits Level of funding investment and potential funding opportunities

The color ratings shown with the performance measures in the following screening matrices are used as a visual indication of the comparative characteristics of a criterion between options within each category. The colors are not used as an indication of a decision (i.e., an option with many "red" ratings was not automatically rendered unreasonable). The colors are a general indication of the following:



Good - Comparatively positive, moderate or major benefits, and/or minor impacts



Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

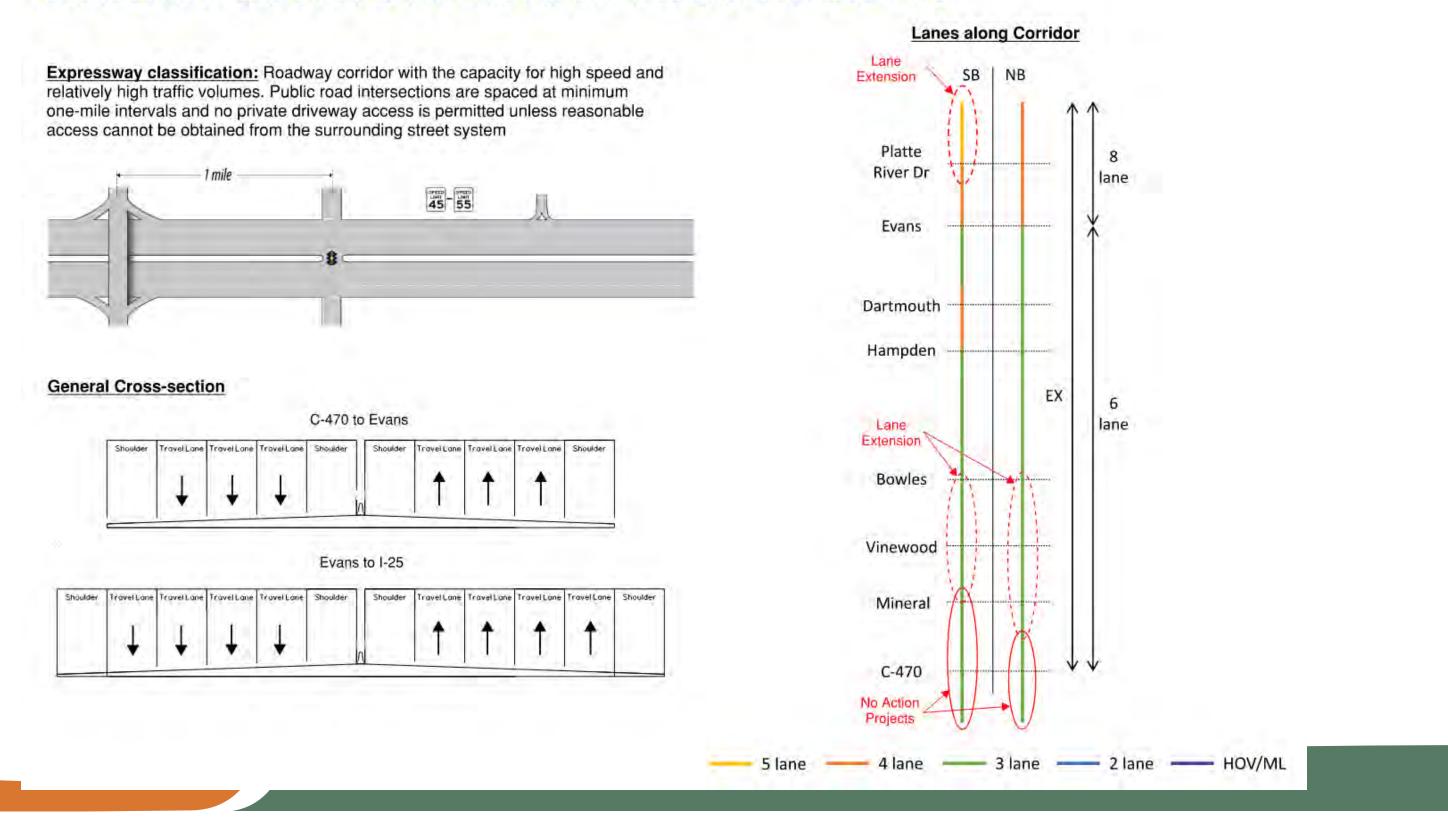


Poor - Comparatively negative and/or major impacts

The evaluation matrix summarizes the recommendation for each option as follows:

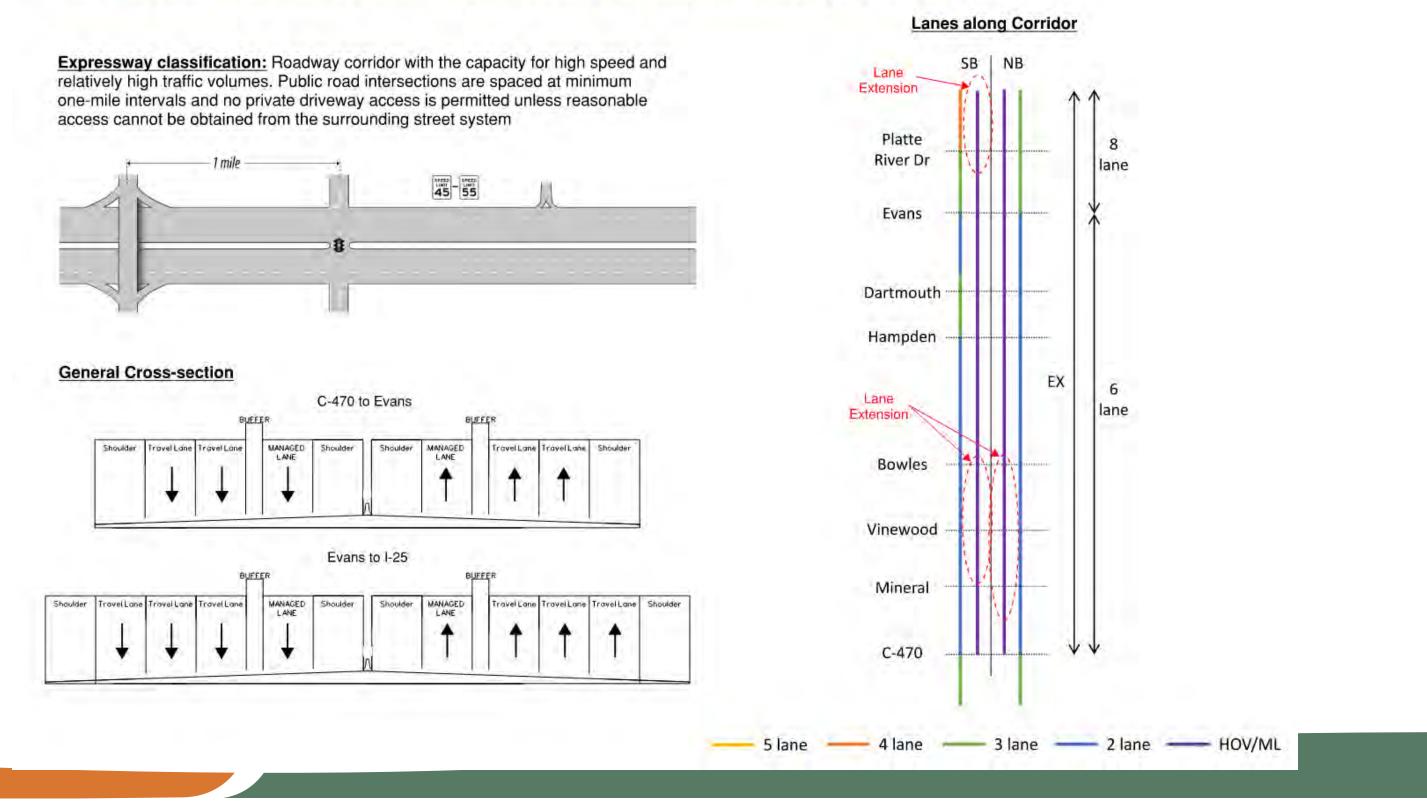
- CARRIED FORWARD Option will be evaluated further with current study as part of potential corridor recommended projects for potential implementation in the near term (10-year timeframe)
- **FUTURE ACTION** Option will be included in study recommendations for further analysis and considerations with future long-term planning and/or design efforts
- **NOT RECOMMENDED** Option will not be evaluated further in the study due to comparatively negligible benefits and higher impacts than other options
- ELIMINATED Option does not meet Purpose and Need established with this study

EXPRESSWAY - Conversion of HOV Lane and Extended Lane Bowles to C-470



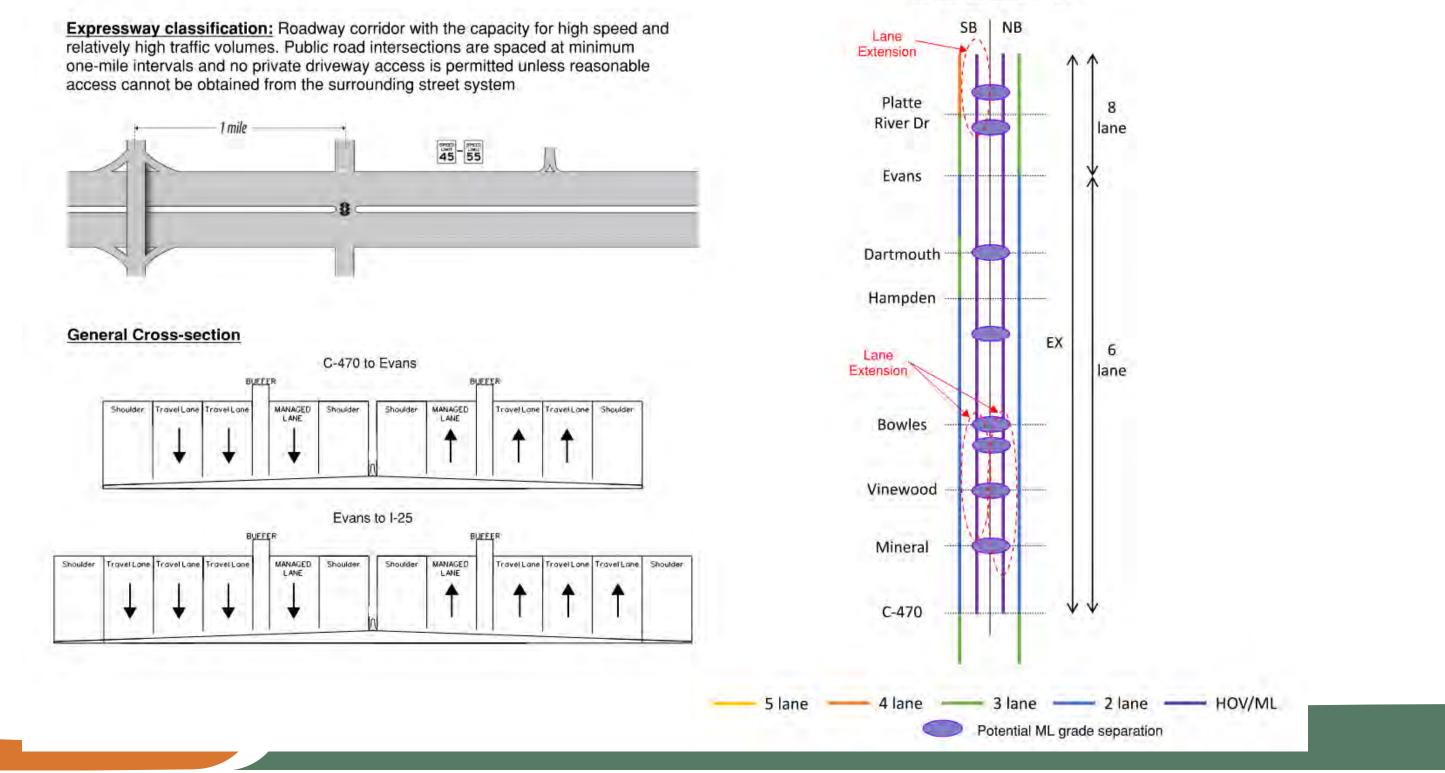


EXPRESSWAY - Enhanced Managed Lane (at-grade intersections) I-25 to C-470





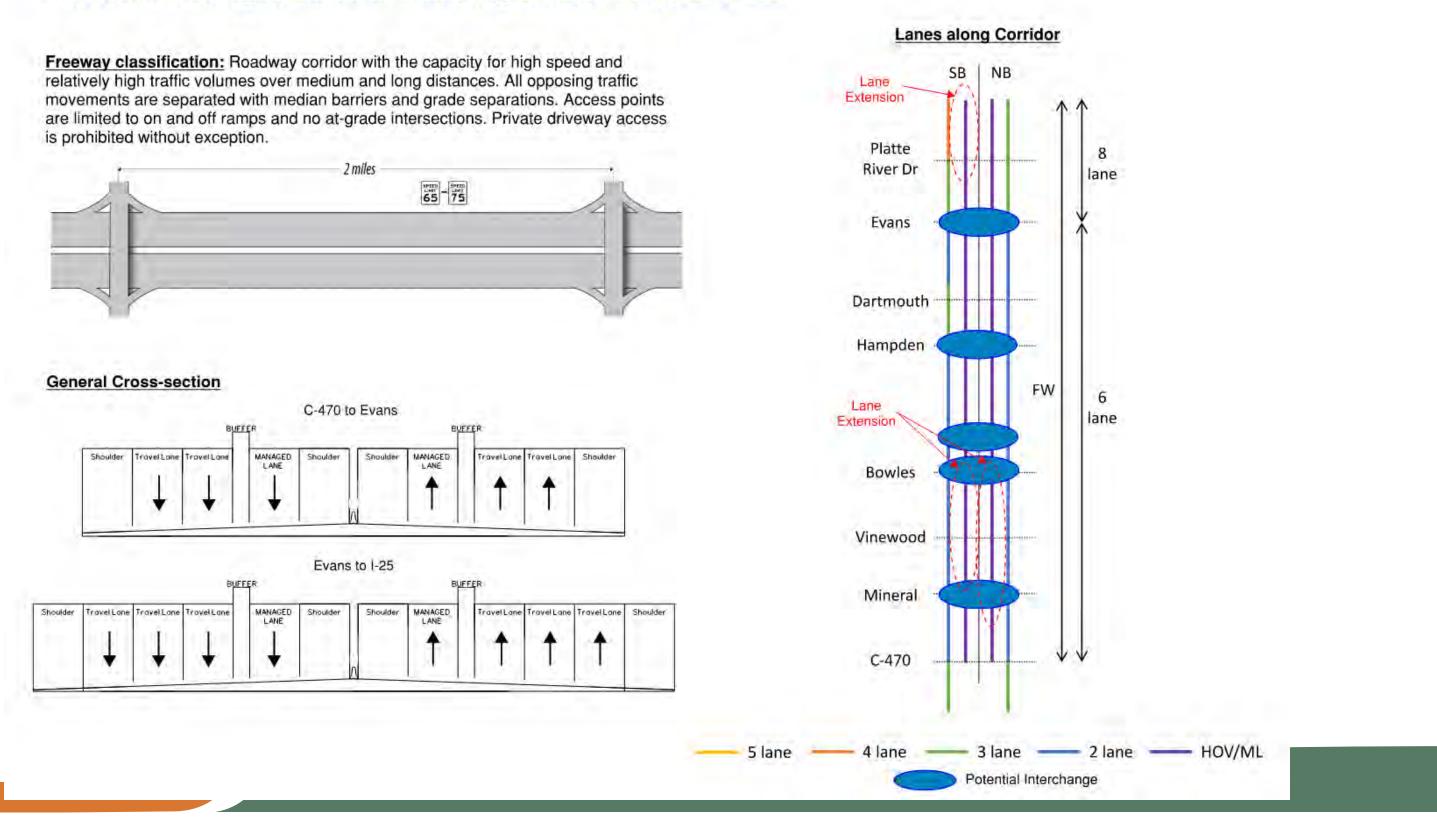
EXPRESSWAY - Enhanced Managed Lane (grade-separated at intersections) I-25 to C-470



Lanes along Corridor



FREEWAY - Managed Lanes and Existing General Purpose Lanes







QUADRANT ROAD INTERSECTION

What is a quadrant road?

- Intersection design with one main intersection and two secondary intersections that are linked by a connector road in any quadrant of the intersection
- Left-turn vehicles from all four legs of the main intersection use the secondary intersections and connector road, instead of the main intersection, to complete left-turn movements
- Secondary intersections are typically signalized but can also be unsignalized
- When all three intersections are signalized, traffic signals are timed to operate together

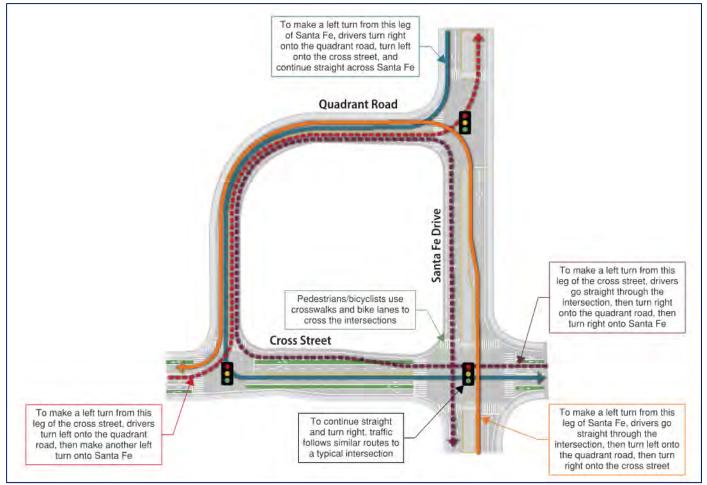
When should it be considered?

- At locations with an existing roadway that can be used as the connector roadway
- At four-legged intersections with heavy through and left-turn traffic volumes on the major and side streets

Benefits

- Improved safety: Reduces and spreads out the number of points where vehicles cross paths
- Increased efficiency: Rerouting left turns allows for fewer traffic signal phases at the main intersection, which means less time waiting for through and right-turn vehicles
- **Better synchronization:** Synchronization of three signalized intersections improves corridor travel times on both the major and side streets
- Improved multimodal connections: Quadrant road signals provide additional signalized pedestrian crossings and removal of left turns at main intersection reduces pedestrian conflicts and narrows crossing distance

How to Navigate





CHANNELIZED T INTERSECTION

What is a channelized T?

- Intersection design where one major street direction of travel (the top side of the "T") can pass through the intersection without stopping, and the opposite major street direction of travel is controlled by a traffic signal
- Left-turn vehicles from the side street use a channelized receiving lane on the major street to merge onto the major street

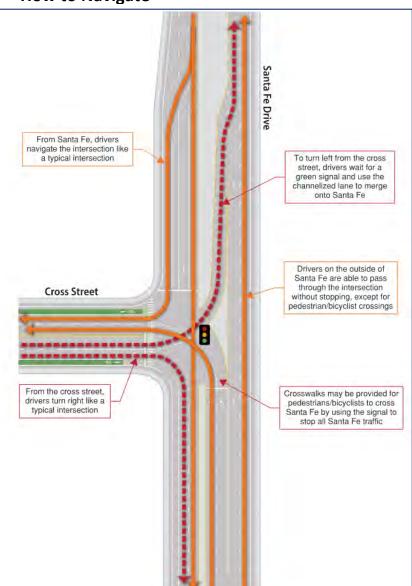
When should it be considered?

- At intersections:
 - » With three legs and heavy through traffic volumes on the major street and moderate to low left-turn traffic volumes on the side street
 - » Where there are no driveways along the major street opposite the side street
 - » With a limited number of pedestrian crossings across the major street or with an alternative pedestrian crossing location nearby

Benefits

- Improved safety: Channelizing left-turn vehicles from the side street reduces the potential for angle crashes
- Increased efficiency: One direction of travel on the major street is free-flow, and, as a result, more green time can be provided to the other movements, reducing delay
- Free-flow in one direction: One direction of travel on the major street never stops, which improves traffic signal synchronization and reduces corridor travel times

How to Navigate





LEVEL 2A SCREENING MATRIX

Roadway – General Classification and Cross-Section Options

	Evelvetien		R1	R2	R3	R4
Category	Evaluation Criteria	No Action	Expressway – Conversion of HOV to General Purpose and Extended Lanes Bowles to C-470	Expressway – Enhanced Managed Lane (at-grade at intersections) I-25 to C-470	Expressway – Enhanced Managed Lane (grade-separated at intersections) I-25 to C-470	Freeway – Managed Lanes and Existing General Purpose Lanes
		Poor	Fair	Fair	Fair	Good
	Relative Level of Conflict – Vehicular	Conflicts at at-grade intersections and frequent driveways in areas of congestion	Conflicts at at-grade intersections, but reduction in driveway access points and new interchanges with Expressway	Conflicts at at-grade intersections, but reduction in driveway access points and new interchanges with Expressway	Conflicts at at-grade intersections, but reduction in driveway access points and new interchanges with Expressway	No at-grade intersections, no driveway access points and new interchanges throughout
	Relative Level of	Poor	Fair	Fair	Good	Good
Safety	Conflict – Pedestrians/ Bicyclists	Conflicts at at-grade intersections and driveway access points with relatively high- speed traffic along Santa Fe	Conflicts at at-grade intersections, but reduction in driveway access points and new interchanges with Expressway	Conflicts at at-grade intersections, but reduction in driveway access pints and new interchanges with Expressway	Reduced conflicts at at-grade intersections with separated managed lane and reduction in driveway access points and new interchanges with Expressway	Conflicts with high through volumes on Sant Fe eliminated with interchanges, although ramp crossings still remain
		Poor	Fair	Fair	Fair	Good
	Potential Crash Reduction	No crash reduction and increased crashes expected with increased congestion	~20% crash reduction with upgraded roadway (e.g. shoulders) and less congestion	~10% crash reduction with upgraded roadway (e.g. shoulders) and less congestion	~10% crash reduction with upgraded roadway (e.g. shoulders) and less conges	~60% crash reduction with upgraded roadway (e.g. shoulders), grade separation and less congestion
	Roadway Capacity related to Travel	Daily segment v/c: 1.0 – 1.3 Peak segment v/c: 1.0 – 1.6	Daily segment v/c: 0.8 – 1.3 Peak segment v/c: 1.0 – 1.4	Daily segment v/c: 0.9 – 1.3 Peak segment v/c: 1.0 – 1.5	Daily segment v/c: 0.7 – 0.9 Peak segment v/c: 0.8 – 1.2	Daily segment v/c: 0.7 – 1.0 Peak segment v/c: 0.8 – 1.2
	Demand	2040 corridor VMT: 834,000 veh-miles 🧡	2040 VMT: 963,000 veh-miles 🛛 🚫	2040 Corridor VMT: 950,700 veh-miles	2040 Corridor VMT: 950,700 veh-miles	2040 Corridor VMT: 1,397,800 veh-miles 🏼
		S of Mineral Ave = 60,000 veh/day	S of Mineral Ave = 75,000 veh/day	S of Mineral Ave = 74,000 veh/day	S of Mineral Ave = 74,000 veh/day	S of Mineral Ave = 104,000 veh/day
		S of Church Ave = 64,000 veh/day	S of Church Ave = 79,000 veh/day	S of Church Ave = 78,000 veh/day	S of Church Ave = 78,000 veh/day	S of Church Ave = 124,000 veh/day
	Volume Throughput	N of Belleview Ave = 78,000 veh/day	N of Belleview Ave = 85,000 veh/day	N of Belleview Ave = 85,000 veh/day	N of Belleview Ave = 85,000 veh/day	N of Belleview Ave = 133,000 veh/day
		N of Dartmouth Ave = 98,000 veh/day N of Florida Ave = 106,000 veh/day	N of Dartmouth Ave = 100,000 veh/day N of Florida Ave = 109,000 veh/day	N of Dartmouth Ave = 99,000 veh/day N of Florida Ave = 109,000 veh/day	N of Dartmouth Ave = 99,000 veh/day N of Florida Ave = 109,000 veh/day	N of Dartmouth Ave = 143,000 veh/day N of Florida Ave = 155,000 veh/day
Operational	-	Poor	Fair	Fair	Fair	Good
Performance	Travel Time Reliability	All vehicles travel through signal with high v/c	Intersection improvements and new interchanges with Expressway	Intersection improvements and new interchanges with Expressway	Intersection improvements and new interchanges with Expressway	Grade separation and new interchanges wit Freeway
	Reliability	Average speed 31 mph	Average speed 33 mph	Average speed 33 mph	Average speed 33 mph	Average speed 46 mph
		Poor	Fair	Fair	Fair	Fair
	Freight Movements	Freight impacts traffic operations with limited accel/decel and turn areas for slow-moving trucks	Minimal improvements with additional general purpose lane for use by trucks and new interchanges with Expressway	Minimal improvements with new interchanges with Expressway, but no new general purpose lanes	Minimal improvements with new interchanges with Expressway, but no new general purpose lanes	Moderate improvements for accel/decel with all interchanges, but may increase trucks of local streets with reduced access
		Poor	Fair	Fair	Fair	Good
	Access Operational Impacts	Direct access points for property driveways on Santa Fe create operational issues and crash patterns with turning maneuvers	Reduction in property driveways on Santa Fe with Expressway reduces slowing and turning maneuvers on Santa Fe	Reduction in property driveways on Santa Fe with Expressway reduces slowing and turning maneuvers on Santa Fe	Reduction in property driveways on Santa Fe with Expressway reduces slowing and turning maneuvers on Santa Fe	No driveways and no at-grade intersections with Freeway provides major reduction in operational issues and crashes with turn
	Enhanced Walking	Poor	Fair	Fair	Good	Poor
	and Biking Crossings	Long crossing spacing and wide, high-speed corridor is barrier for crossings	Enhanced crossing opportunities with new interchanges with Expressway	Enhanced crossing opportunities with new interchanges with Expressway	Increased crossing enhancements with new interchanges with Expressway and managed lane grade separation	Crossing opportunities may be eliminated with at-grade intersections
		Poor	Fair	Fair	Fair	Poor
Multimodal Connections	Expansion of Biking Opportunities	No new multimodal infrastructure or wayfinding	Opportunities for new multimodal facilities with new interchanges with Expressway	Opportunities for new multimodal facilities with new interchange with Expressway	Opportunities for new multimodal facilities with new interchange with Expressway	Opportunities for new multimodal facilities with new interchanges, but opportunities may be reduced with increased crossing space
		Poor	Fair	Fair	Fair	Fair
	Optimized Transit	Intersection crossings with wide, high-speed	Reduced congestion provides minor	Reduced congestion provides minor	Reduced congestion provides minor	Reduced congestion provides moderate
	Use	corridor uncomfortable for pedestrian/bicyclist access and congestion hinders driver acc to LRT stations	improvements to driver LRT station access	improvements to driver LRT station access	improvements to driver LRT station access	improvements to driver LRT station access, but reduced multimodal crossings hinder pedestrian/bicyclist access

Category	Evaluation Criteria	No Action	R1 Expressway – Conversion of HOV to General Purpose and Extended Lanes Bowles to C-470	R2 Expressway – Enhanced Managed Lane (at-grade at intersections) I-25 to C-470	R3 Expressway – Enhanced Managed Lane (grade-separated at intersections) I-25 to C-470	R4 Freeway – Managed Lanes and Existing General Purpose Lanes
	Property Impacts	No impacts	Multiple properties, including railroad	Multiple properties, including railroad 🚫	Multiple properties, including railroad	Multiple properties, including railroad 🛛 🚫
	Property Access Modifications	Good No property access changes	Fair General reduction in driveway access point with Expressway	Fair General reduction in driveway access point with Expressway	Fair General reduction in driveway access point with Expressway	Poor No driveway access points and increased interchange spacing has major impacts
Community / Quality of Life	Support of Local and Regional Planning and Policy Efforts	Fair Current cross-section would preserve access points and not impact access to Sheridan and its businesses, but no real benefits, beyond minor planned projects and does not address current and future capacity constraints	Fair While option addresses capacity and congestion issues and reduces HOV enforcement burden on local law enforcement, removing HOV does not incentivize or leave open opportunity for other uses to reduce traffic (managed lane, bus services). Option may not address land use access and may continue to isolate east from west sides of the corridor	Fair While option may provide a balance between commuter traffic and local traffic along corridor and address a portion of the capacity and congestion issues, not clear to what extent, and could potentially make east-west connectivity more difficult	Fair Increased capacity would reduce congestion, but space constraints could require loss of land use and access to accommodate interchanges and benefits would go to cross-corridor users and not local communities. Option could induce further demand and create additional externalities (pollution, noise, aesthetic impacts etc.) beyond other options	Poor Freeway corridor is not consistent with the community vision. Option would primarily benefit cross-corridor users to the detriment of local communities, plus local communities would likely lose access to Santa Fe while experiencing impacts such as pollution, noise, and traffic generated by new users taking advantage of these improvements
Environmental	Potential Environmental Resource Impacts	Good Air Quality: Poor No impacts to other resources	Fair Air Quality: Poor Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair 😑	Fair Air Quality: Poor Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair 😑	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Fair 😑	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor
Environmental Resources	Potential Social and Built Environment Impacts	Good No impacts	Fair Environmental Justice: Fair Hazardous Materials: Fair Historic Resources: Fair Recreational 4(f)/6(f): Fair Visual/Aesthetics: Good	Fair Environmental Justice: Fair Hazardous Materials: Fair Historic Resources: Fair Recreational 4(f)/6(f): Fair Visual/Aesthetics: Good	Fair Environmental Justice: Fair Hazardous Materials: Poor Historic Resources: Fair Recreational 4(f)/6(f): Fair Visual/Aesthetics: Fair	Poor Environmental Justice: Poor Hazardous Materials: Poor Historic Resources: Poor Recreational 4(f)/6(f): Poor Visual/Aesthetics: Poor
Constructability	Ease of Implementation	N/A	Poor Challenging and prolonged process for conversion of HOV lane, but typical construction within existing corridor Lane extension south of Bowles presents challenging design and permitting process with ROW acquisition and potential built environment impacts	Poor Additional detailed studies, design, outreach, and clearance processes for identifying managed lane enhancements, tolling, ingress/egress points, and at-grade intersection interactions, although typical construction within existing corridor Lane extension south of Bowles has challenging design and permitting process with ROW acquisition and potential built environment impacts	Poor Additional detailed studies, design, outreach, and clearance processes for identifying managed lane enhancements, tolling, and ingress/egress points Grade-separated managed lanes at intersections present challenging design and prolonged construction impacts Lane extension south of Bowles has challenging design and permitting process with ROW acquisition and potential environment impact	Poor Additional detailed studies, design, outreach, and clearance processes for identifying managed lane enhancements, tolling, and ingress/egress points Challenging and prolonged property owner coordination and acquisition for full access closures and removal of at-grade intersections, in addition to major impactful, long-term construction along Santa Fe corridor and surrounding local roadway system
	Ability to Implement as Standalone Project	N/A	Fair Intersection/interchange improvements can be constructed as separate projects and HOV lane conversion and lanes can be constructed as separate projects with operational benefits with safety and/or congestion funding, but overall corridor is relatively moderate investment	Fair Managed lane enhancements, intersection/interchange improvements, and lanes can be constructed as separate projects in sections with operational benefits with safety, congestion, and managed lane funding, but overall corridor is relatively moderate investment.	Poor Managed lane grade-separations, intersection/interchange improvements, and lanes can be constructed as separate projects in sections, but full operational and safety benefits only with corridorwide managed lane construction with relatively large investmen	Poor Access closures, interchanges, and lanes can be constructed as separate projects in sections, but corridorwide capacity, operational, and safety benefits need full freeway construction with large investment, including major prope- acquisition and local roadway system impact
RE	SULT	CARRIED FORWARD	FUTURE ACTION	FUTURE ACTION	FUTURE ACTION	NOT RECOMMENDED
NOTES		The Level 2A Air Quality performance measure considers Clean Air Act Criteria Pollutants typically associated with congestion The Level 2B evaluation will consider greenhouse gas pollutants typically associated with increases in vehicle miles traveled	Process for lane conversion and funding for lane extension south of Bowles anticipated to be outside near-term timeframe Expressway elements may be carried forward in the near-term implementation plan with moderate safety and operational benefits	Additional processes for managed lane and funding for lane extension south of Bowles anticipated to be outside near-term timeframe Expressway elements may be carried forward in the near-term implementation plan with moderate safety and operational benefits	Additional processes for managed lane and funding for lane extension south of Bowles anticipated to be outside near-term timeframe Expressway elements may be carried forward in the near-term implementation plan with moderate safety and operational benefits	Not recommended for full Santa Fe corridor due to major impacts to local roadway system, circulation, and environmental resources, plus not consistent with land use and mobility visions of local communities Freeway elements may be implemented in sections for smaller-scale safety, capacity, and travel time reliability benefits





Roadway - Spot Location Options – Table 1 of 2

		R5	R6	R7	R8 Access Consolidation of	R9	R10 Add New West Side	R11 Add New West Side	R12
Category	Evaluation Criteria	South Platte River Pkwy Extension	Four-Lane Freeway – Mineral to Bowles	Aspen Grove Enhanced Access	Brewery Ln and Angelo's Access	Additional Connection Vinewood to Brewery Ln	Frontage Rd – S of Weaver Ave	Frontage Rd – Weaver to Church	Downtown Littleton Arteria
		Poor	Good	Poor	Fair	Fair	Fair	Fair	Poor
	Relative Level of Conflict – Vehicular	No reduction in conflict and potential increase access to Santa Fe	Moderate conflict reduction with grade separations and access removal	No reduction in conflict points	Minor reduction in segment conflict points with access consolidation	Minor reduction in segment conflict points with access consolidati	Minor reduction in segment conflict points with access consolidati	Reduced conflict with closure of driveways in congested area	No reduction in conflict point
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with new multimodal facilities	Good Conflicts with high through volumes on Santa Fe eliminated with no at-grade intersections	Poor Encourages higher traffic volumes through pedestrian-oriented area	Poor New local connection off Santa Fe with potential conflicts	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with new multimodal facilities	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with new multimodal facilities	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with new multimodal facilities	Fair At-grade signal conflict point remain, but speed reduction m reduce conflicts
	Potential Crash Reduction	Poor No crash reduction due to potential for additional conflict points	Good ~60% crash reduction with upgraded roadway features, grade separations, less congestion	Poor No crash reduction with no change in conflicts or congestion on Santa	Fair ~20% crash reduction through segment of SB Santa Fe	Fair ~20% crash reduction through segment of SB Santa Fe, with access consolidation	Fair ~20% crash reduction through segment of SB Santa Fe	Fair ~18% crash reduction through segment of SB Santa Fe	Poor ~5% crash reduction with improved signal coordination a reduced speeds, but less acce control and more congestion
related De	Roadway Capacity related to Travel Demand	Poor No capacity improvement to Santa Fe or congestion alleviatio	Good Freeway provides additional capacity	Poor No capacity improvement to Santa Fe or congestion alleviatio	Fair Minimal capacity increase with closure of driveways	Fair Minimal capacity increase with closure of driveways	Fair Minimal capacity increase with closure of driveways	Fair Minimal capacity increase with closure of drivewaye	Poor Capacity is reduced with les access control and slower speeds
	Volume Throughput	Poor No change to corridor throughput	Fair Additional Freeway capacity may increase segment throughput	Poor No change to corridor throughput	Poor No change to corridor throughput	Poor No change to corridor throughput	Poor No change to corridor throughput	Poor No change to corridor throughput	Poor Arterial with less access cont would maintain or reduce throughput
Operational Performance	Travel Time Reliability	Poor Not expected to reduce congestion on Santa	Good Additional Freeway capacity and no delay with grade separations	Poor No change to travel time reliability	Fair Minimal improvement with closure of driveways and reduced crashes	Fair Minimal improvement with closure of driveways and reduced crashes	Fair Minimal improvement with closure of driveways and reduced crashes	Fair Minimal improvement with closure of driveways and reduced crashes	Poor Arterial with less access cont would reduce travel time reliability
	Freight Movements	Neutral No change in freight movements on Santa Fe, but freight not an issue in area	Fair Moderate improvements for through movements with grade separations, but may increase trucks on local streets with reduced acce	Neutral No change in freight movements on Santa Fe, but freight not an issue in area	Fair Minimal improvements at driveway with access consolidation	Good Moderate improvement at access with heavy freight movements	Fair Minimal improvements with consolidated property access off frontage road	Fair Minimal improvements with consolidated property access off frontage road	Poor Freight impacted with reduc travel time reliability and limi accel/decel and turn areas
	Access Operational Impacts	Poor Increase in access to Santa Fe degrades operations	Good No driveways and no at- grade intersections provide major reduction in operational issues	Fair No change in access at Aspen Grove and access already limited	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Poor Arterial with less access con may increase driveway acce operational issues
Multimodal Connections	Enhanced Walking and Biking Crossings	Poor No new or enhanced crossings	Poor Crossing opportunities may be eliminated with at-grad intersections	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Fair Speed reduction may enhan existing crossings
	Expansion of Biking Opportunities	Good New local roadway may provide new facilitie	Poor No new multimodal infrastructure or wayfinding	Fair More traffic on local roadway may discourage biking opportunities	Poor No new multimodal infrastructure or wayfinding	Good New local roadway may provide new facilities	Good New local roadway may provide new facilities	Good New local roadway may provide new facilities	Poor No new multimodal infrastruc or wayfinding
	Optimized Transit Use	N/A No bus route and no LRT station in area	Poor Minimal improvements to driver LRT station access and reduced multimodal crossings hinder pedestrian/bicyclist acce	Fair Enhanced driver and multimodal Mineral Station access	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Fair Reduced congestion provides minimal improvements to driver Littleton Station access	Fair Increased congestion slight degrades driver access to Littleton Station, but slowe speeds may improve pedestrian/bicyclist access

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Category	Evaluation Criteria	R5 South Platte River Pkwy Extension	R6 Four-Lane Freeway – Mineral to Bowles	R7 Aspen Grove Enhanced Access	R8 Access Consolidation of Brewery Ln and Angelo's Access	R9 Additional Connection Vinewood to Brewery Ln	R10 Add New West Side Frontage Rd – S of Weaver Ave	R11 Add New West Side Frontage Rd – Weaver to Church	R12 Downtown Littleton Arterial
0.	Property Impacts	6 properties	More than 40 properties	4 properties	3 properties	10 properties	10 properties	12 properties	More than 20 properties
Community /	Property Access Modifications	Good Opportunity for additional property access	Poor No driveways or at-grade intersections presents major impacts to area propertie	Good No property access changes	Fair Closure of 1 driveway on Santa Fe, but access via signal with no out-of- direction travel	Good Opportunity for additional property access via new connection	Fair Closure of up to 5 accesses, but access from frontage road with min- out-of-direction traver	Fair Closure of up to 14 accesses, but access from frontage road with minor- out-of-direction travel	Good No property access changes
Quality of Life	Support of Local and Regional Planning and Policy Efforts	Good Consistent with City TMP and provides additional connectivity to Santa Fe	Poor Freeway corridor is not consistent with community vision creating concerns with critical land use access	Good Consistent with ongoing proposed redevelopment of critical commercial area for the City	Fair With adequate capacity for combined access to Santa Fe Drive and improved internal connectivity	Good Improved access and connectivity if incorporated into redevelopment without detracting from the proposed land use	Good Improved access and connectivity if frontage road integrated with land uses	Good Improved access and connectivity if frontage road integrated with land uses	Fair Would reduce barrier Santa Fe currently is for the east and west sides of the City, but major congestion area would still need to be addressed
Environmental	Potential Environmental Resource Impacts	Fair Air Quality: Poor Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Poor	Fair Air Quality: Good Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Good Air Quality: Poor Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Good	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Poor	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Good Air Quality: Poor Wetlands & Waters of the US: Good Noise: Good Floodplains: Good
Resources	Potential Social and Built Environment Impacts	Poor Env Justice: Good Haz Mat: Good Historic Resources: Poor Rec 4(f)/6(f): Poor Visual/Aesthetics: Go	Fair Env Justice: Good Haz Mat: Good Historic Resources: Poor Rec 4(f)/6(f): Fair Visual/Aesthetics: Gooc	Good Env Justice: Good Haz Mat: Good Historic Resources: Fair Rec 4(f)/6(f): Good Visual/Aesthetics: Goo	Good Env Justice: Good Haz Mat: Good Historic Resources: Good Rec 4(f)/6(f): Good Visual/Aesthetics: Goo	Fair Env Justice: Good Haz Mat: Good Historic Resources: Poor Rec 4(f)/6(f): Fair Visual/Aesthetics: Go	Good Env Justice: Good Haz Mat: Good Historic Resources: Fair Rec 4(f)/6(f): Fair Visual/Aesthetics: Goo	Fair Env Justice: Good Haz Mat: Good Historic Resources: Fair Rec 4(f)/6(f): Poor Visual/Aesthetics: Go	Good Env Justice: Good Haz Mat: Good Historic Resources: Good Rec 4(f)/6(f): Good Visual/Aesthetics: Good
Constructability	Ease of Implementation	Good Construction anticipated with property development with minimal impacts to Santa Fe	Poor Construction within existing corridor, but requires extensive design and lengthy outreach and property owner coordination for access and intersection closures with major changes in local roadway circulation and ROW acquisition	Fair Enhancements with property redevelopment with minimal impacts to Santa Fe, but may require lengthy multi- agency coordination for trail/station access	Fair Short new connection with minimal construction impacts, but requires coordination with property owners for access and potential site modifications	Good Construction anticipated with property development with minimal impacts to Santa Fe	Fair Utilizes existing public roadway, but requires coordination with property owners for access and potential site modifications	Fair Utilizes sections of existing public roadway, but requires coordination with property owners for access and potential site modifications	Fair Limited roadway construction impacts with modifications within existing corridor, but requires additional detailed study and outreach process for identifying speed limit, local access, and urban design elements
	Ability to Implement as Standalone Project	Good Local roadway can be constructed as separate project with relatively small public investment	Fair Improvements can be constructed as separate project with operational and safety benefits and safety and/or congestion funding, but with relatively moderate investment	Good Local roadway enhancements can be constructed as separate project with relatively small multimodal funding investment	Good Connection can be constructed as separate project with operational benefits with relatively small investment	Good Local roadway can be constructed as separate project with relatively small public investment	Good Frontage road and driveway closures may be constructed as separate project from other corridor improvements with operational benefits and relatively small investme	Good Frontage road and driveway closures may be constructed as separate project from other corridor improvements with operational benefits and relatively small investme	Fair Modifications can be constructed as separate project, but study needed on potential impacts along Santa Fe outside area Overall modifications are relatively moderate investment for local funding
RE	SULT	FUTURE ACTION	FUTURE ACTION	NOT RECOMMENDED	CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD	CARRIED FORWARD	NOT RECOMMENDED
NC	DTES	Alignment and future property impacts/benefits unknown, but may be considered with private development	Extensive outreach, property coordination, and local land use study and funding investment anticipated to be outside near-term timeframe	Concerns with Santa Fe traffic through development area –does not address congestion issues along Santa Fe		Alignment and future property impacts/benefits unknown, but may be considered with private development			Not recommended because arterial with less access control and more congestion would not address operational and safety issues through area



Eair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts



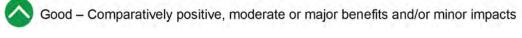
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Roadway - Spot Location Options – Table 2 of 2

Category	Evaluation Criteria	R13 Downtown Littleton Depressed Freeway	R14 Add New West Side Frontage Rd – Belleview to Oxford	R15 Add New West Side Frontage Rd – Dartmouth to Harvard	R16 Improved South Platte River Drive	R17 Realigned Santa Fe to East of Platte River	R18 Arterial North of Florida	R19 Add New Collector- Distributor – N of Florida	R20 Extend Southbound Lane – I-25 to Florida
	Relative Level of Conflict – Vehicular	Good Moderate conflict reduction with grade separations and access removal	Fair Reduced conflict with closure of driveways in congested area	Fair Reduced conflict with closure of driveways in congested area	Poor No reduction in conflict points	Fair Reduced conflict points overall with no driveways on west side along river	Poor No reduction in conflict points by maintaining arterial classification and access	Fair Reduced conflict with closure of driveways in congested area	Poor Additional lane increases vehicular conflict
Safety (Pe	Relative Level of Conflict – Pedestrians/ Bicyclists	Good Conflicts with high through volumes on Santa Fe eliminated with no at-grade intersections	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with new multimodal facilities	Fair New local roadway with potential conflicts, but may reduce conflicts along Santa Fe with multimodal facilities	Poor Encourages higher traffic volumes through pedestrian/bicyclist- oriented area	Fair Additional conflicts with larger intersections to cross, but reduces conflicts for multimodal facilities on west side of river	Poor No reduction in conflicts by maintaining arterial classification and access	Poor Added crossing conflicts with collector-distributor traffic	Poor Added crossing conflicts with new lane for relative high-speed traffic along Santa Fe
	Potential Crash Reduction	Good ~40% crash reduction in segment of Santa Fe	Poor ~6% crash reduction in segment of SB Santa F	Fair ~10% crash reduction in segment of SB Santa 🍋	Poor Minimal crash reduction due to minimal congestion reduction on Santa F	Poor Minimal crash reduction due to minimal congestion reduction on Santa Fe	Poor No crash reduction by maintaining arterial classification and acce	Fair ~10% crash reduction in segment of SB Santa Fo with access control	Fair Some crash reduction may result from reduced congestion
related to Tr	Roadway Capacity related to Travel Demand	Good Freeway provides additional capacity	Fair Minimal capacity increase with closure of driveways	Fair Minimal capacity increase with closure of driveways	Poor No capacity improvement to Santa Fe or congestion alleviation	Poor No change in traffic volumes anticipated, no capacity improvements (assumes same lanes)	Poor No capacity improvements by maintaining arterial classification and acce	Fair Minimal capacity increase with closure of driveways	Fair HOV lane provides minimal additional capacity
Onemational	Travel Time Reliability	Good Additional Freeway capacity and no delay with grade separations	Fair Minimal improvement with closure of driveways and reduced crashes	Fair Minimal improvement with closure of driveways and reduced crashes	Poor Not expected to reduce congestion on Santa F	Poor Does not reduce traffic signals and congestion	Poor No change in travel time reliability by retaining classification and acc	Fair Minimal improvement with closure of driveways and reduced crashes	Fair HOV lane may have min congestion reduction
Operational Performance	Freight Movements	Fair Moderate improvements for through movements, but may increase trucks on local streets with reduced access	Fair Minimal improvements with consolidated property access off frontage road	Fair Minimal improvements with consolidated property access off frontage roa	Neutral No change in freight movements on Santa Fe, but freight not an issue area	Neutral No change in freight movements on Santa Fe, but freight not an issue in- area	Poor Freight impacted by retaining classification and access	Fair Minimal improvements with consolidated property access	Fair Minimal improvements with congestion reductio
	Access Operational Impacts	Good No driveways and no at-grade intersections provide major reduction in operational issues	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa	Fair No change in access on Santa Fe at S Platte River Dr and access alread limited	Good No driveways on west side along river reduces slowing and turning maneuvers on Santa Fe	Poor No change in multiple direct driveway access points	Good Closure of driveways in congested area reduces slowing and turning maneuvers on Santa F	Poor No change in multiple direct driveway access points
Multimodal Connections	Enhanced Walking and Biking Crossings	Poor Crossing opportunities may be eliminated with at-grade intersections	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor Larger intersections for pedestrians/bicyclists to cross	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Poor Added lane for pedestrians/bicyclists to cross at intersections
	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfinding	Good New local roadway may provide new facilities	Good New local roadway may provide new facilities	Fair More traffic on local roadway may discourage biking opportunities 📛	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding
	Optimized Transit Use	Poor Minimal improvements to driver LRT station access and reduced multimodal crossings hinder pedestrian/bicyclisto access	Fair Reduced congestion provides minimal improvements to driver LRT station access	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Fair Reduced congestion provides minimal improvements to driver Broadway Station acces	Poor No improvement in driver or multimodal Broadway Station access	Fair Reduced congestion provides minimal improvements to driver Broadway Station access	Fair Reduced congestion provides minimal improvements to driver Broadway Station acce

23143 Santa Fe PEL (C-470 to I-25) LEVEL 2A SCREENING MATRIX 6 of 28

Category	Evaluation Criteria	R13 Downtown Littleton Depressed Freeway	R14 Add New West Side Frontage Rd – Belleview to Oxford	R15 Add New West Side Frontage Rd – Dartmouth to Harvard	R16 Improved South Platte River Drive	R17 Realigned Santa Fe to East of Platte River	R18 Arterial North of Florida	R19 Add New Collector- Distributor – N of Florida	R20 Extend Southbound Lane – I-25 to Florida
	Property Impacts	More than 15 properties	13 properties	3 properties (includes treatment plar	More than 25 properties	More than 25 properties	0 properties	More than 35 properties	10 properties
Community / Quality of Life Sup Re	Property Access Modifications	Poor No driveways or at-grade intersections presents major impacts to area propertie	Fair Closure of up to 5 driveways, but access from frontage road with min out-of-direction travel	Fair Closure of up to 7 driveways, but access from frontage road with min out-of-direction travel	Good No property access changes	Fair Properties on west side of river lose direct access to Santa Fe, but access provided via local roadw.	Good No property access changes	Fair Closure of up to 14 accesses on Santa Fe, but property access from collector-distributor roa	Good No property access changes
	Support of Local and Regional Planning and Policy Efforts	Good If improved access to/from the downtown area is achievable and the surface is able to improve connectivity between the South Platte and downtown	Fair Supports Sheridan economic goals and provides improved access and connectivity if frontage road integrated with land uses, but Englewood concern with property impacts with new road	Fair	Good Improves access to local businesses and the South Platte River with multimodal improvements, but does not add substantial capacity to Santa Fe corridor	Fair	Good	Fair	Good
		Poor	connection 🤤 Fair	Good	Fair	Fair	Good	Fair	Fair
Environmental Resources	Potential Environmental Resource Impacts	Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor	Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Air Quality: Poor Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Poor	Air Quality: Poor Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Air Quality: Poor Wetlands & Waters of the US: Good Noise: Good Floodplains: Good	Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Poor	Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Good
	Potential Social and Built Environment Impacts	Poor Env Justice: Good Haz Mat: Good Historic Resources: Poor Rec 4(f)/6(f): Poor Visual/Aesthetics: Good	Fair Env Justice: Good Haz Mat: Poor Historic Resources: Fair Rec 4(f)/6(f): Fair Visual/Aesthetics: Goo	Fair Env Justice: Poor Haz Mat: Fair Historic Resources: Good Rec 4(f)/6(f): Good Visual/Aesthetics: Goo	Fair Env Justice: Fair Haz Mat: Poor Historic Resources: Good Rec 4(f)/6(f): Fair Visual/Aesthetics: Go	Poor Env Justice: Poor Haz Mat: Poor Historic Resources: Fair Rec 4(f)/6(f): Poor Visual/Aesthetics: Goo	Fair Env Justice: Fair Haz Mat: Fair Historic Resources: Fair Rec 4(f)/6(f): Fair Visual/Aesthetics: Go	Fair Env Justice: Fair Haz Mat: Poor Historic Resources: Good Rec 4(f)/6(f): Fair Visual/Aesthetics: Goo	Poor Env Justice: Poor Haz Mat: Poor Historic Resources: Fair Rec 4(f)/6(f): Poor Visual/Aesthetics: Go
Constructability	Ease of Implementation	Poor Construction within existing corridor, but requires extensive design and environmental process with lengthy outreach with local agency for access and intersection closures and ROW acquisition	Fair Utilizes sections of existing public roadway, but requires coordination with property owners for access and potential site modifications	Fair Utilizes existing public roadway, but requires coordination with property owners for access and potential site modifications	Fair Construction on local roadway with no impacts to Santa Fe, but requires additional detailed study and outreach process with multi-agency coordination to identify improveme	Poor Additional detailed study and design of alignment and challenging with prolonged property acquisition process, in addition to major environmental and construction impacts	Good No modifications or roadway construction to maintain arterial classification and access	Poor Requires substantial additional ROW adjacent to Santa Fe and requires coordination with property owners for major access and site modifications, including parking and site configurations	Fair Relatively simple process anticipated with typical construction for added lane along corridor New lane requires ROW acquisition and permitting process for Platte bridg
	Ability to Implement as Standalone Project	Fair Improvements can be constructed as separate project with operational and safety benefits and safety and/or congestion funding, but with relatively moderate investment	Good Frontage road and driveway closures may be constructed as separate project from other corridor improvements with operational benefits and relatively small investmo	Good Frontage road and driveway closures may be constructed as separate project from other corridor improvements with operational benefits and relatively small investme	Fair Local roadway improvements can be constructed as separate project with relatively small multimodal funding investment led by local agencies	Poor Realignment can be constructed as separate project from overall corridor, but requires large investment with infrastructure and ROV	Good Roadway section may remain as Arterial with no investment required	Fair Collector-distributor road may be constructed as separate project from other corridor improvements, but with relatively moderate investment due to ROW and property impacts	Good Added lane can be constructed as separate project with safety and/or congestion funding with relatively small investment
RES	SULT	FUTURE ACTION	CARRIED FORWARD	CARRIED FORWARD	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	FUTURE ACTION	CARRIED FORWARD
	TES	Extensive outreach, property coordination, environmental clearances, and funding investment anticipated to be outside near-term timeframe			Not recommended because no reduction in congestion and or safety improvements expected along Santa Fe with minimal traffic diversion	Not recommended because no new capacity or safety improvements and large funding investment required with major construction and environmental impacts	Not recommended because less access control and more congestion would not address operational and safety issues through area	Extensive coordination with major site impacts and additional ROW along constrained area of Santa Fe anticipated to be outside near-term timeframe	



Intersections/Interchanges – Table 1 of 6

		Mineral Av	ve Signal		Aspen Grove Wy Signal	
Category	Evaluation Criteria	I1 Quadrant Rd (SW or SW & NW)	I2 Tight Diamond/SPUI	l3 Channelized T	l4 Channelized T with SB Grade Separation	I5 NB Left CFI
	Relative Level of Conflict – Vehicular	Fair Slight reduction in conflict points	Good Lower volume of conflicting traffic	Fair Reduced conflict for NB through traffic	Good Removes NB and SB through volumes from intersection 🚫	Fair Slight reduction in high-sever conflict points
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Fair Reduced crossing conflicts at main intersection, but potential new conflicts at quadrant road intersections	Good Conflicts with high through volumes on Santa Fe eliminated although ramp crossings remain	N/A No crossings at intersection with railroad along east side and no crossing of Aspen Wy	N/A No crossings at intersection with railroad along east side and no crossing of Aspen Wy	N/A No crossings at intersection w railroad along east side and i crossing of Aspen Wy
	Potential Crash Reduction	Fair Reduced congestion and conflict points may reduce crashes	Good ~42% reduction compared to standard intersection	Fair ~15% crash reduction at intersection	Good ~40% reduction compared to standard intersection	Fair ~10% crash reduction at intersection
	Roadway Capacity related to Travel Demand	Fair Moderate improvement to intersection capacity	Good Major improvement with removal of signal delay for Santa Fe through traffic	Fair Minimal improvement for overall intersection, but NB through movement capacity improve	Good Moderate improvement with no signals for Santa Fe through traffic	Fair Moderate improvement to intersection capacity
	Travel Time Reliability	Fair Minor improvement due to improved intersection efficiency	Good Major improvement with removal of bottleneck and reduced crashe	Fair Improved for NB traffic with no stops at signal	Good Major improvement with no stops at signal	Fair Minor improvement due to improved intersection efficie
Operational Performance	Freight Movements	Fair Moderate improvements on Santa Fe, but reduction in freight efficiencies with turning movements on quadrant roads	Good Moderate improvements with accel/decel improvements and no stops along Santa Fe	Fair Minimal improvements with accel/decel and reduced congestion and stopping on NB Santa Fe	Good Moderate improvements with accel/decel improvements and no stops along Santa Fe	Fair Minimal improvements wit intersection efficiencies
	Access Operational Impacts	Poor Potential added operational impacts with access at and along quadrant road	Neutral No accesses and no additional access impacts	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection a
	Enhanced Walking and Biking Crossings	Fair Enhanced crossing opportunity with quadrant road intersections	Good Enhanced crossing opportunity with grade separation of high volumes of Santa Fe through traffic	N/A No crossings at intersection with railroad along east side	N/A No crossings at intersection with railroad along east side	N/A No crossings at intersection v railroad along east side
Multimodal Connections	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfinding	Good New grade separation enhances opportunities for new multimodal infrastructure	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastruc or wayfinding
	Optimized Transit Use	Fair Reduced congestion provides improvements to Mineral Station access and bus stops on Minera	Fair Reduced congestion provides improvements to Mineral Station access and bus stops on Miner	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT sta in area

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		Mineral A	ve Signal	Aspen Grove Wy Signal			
Category	Evaluation Criteria	I1 Quadrant Rd (SW or SW & NW)	I2 Tight Diamond/SPUI	I3 Channelized T	I4 Channelized T with SB Grade Separation	I5 NB Left CFI	
	Property Impacts	3 properties (includes RTD)	3 properties	3 properties	4 properties (includes multifamily units) 😑	2 properties	
Community / Quality of Life	Property Access Modifications	Good Opportunity for additional property access along quadrant road	Good No property access changes	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	
	Support of Local and Regional Planning and Policy Efforts	Good Consistent with City TMP and current programmed project	Good Consistent with City TMP and future capacity needs	Good Improves capacity and reduces conflict points	Fair Improves capacity and reduces conflict points but provides more of the feel of a Freeway	Fair Concern with additional traffic signal on Santa Fe	
Environmentel	Potential Environmental Resource Impacts	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Good Floodplains: Fair	Poor Air Quality: Good Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Poor	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Good	Fair Air Quality: Good Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Good	Fair Air Quality: Fair Wetlands & Waters of the US: Fa Noise: Poor Floodplains: Good	
Environmental Resources	Potential Social and Built Environment Impacts	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Fair —	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual: Fair —	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual: Good	
	Ease of Implementation	Fair Additional signal and infrastructure create moderate design complexities, construction impacts, property owner coordination, and ROW acquisition and permitting processes	Fair Moderate design complexities with adjacent railroad and LRT station bridge, in addition to maintenance challenges for ramps adjacent to railroad/LRT	Good Relatively minor intersection construction with typical construction and ROW impacts within existing corridor area	Fair SB Santa Fe structure creates additional construction complexity with walls and coordination with property owners for ROW and site modifications	Fair Additional signal and infrastructure create moderate design complexities, construction impacts, and ROW acquisition and permitting processes	
Constructability	Ability to Implement as Standalone Project	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively moderate investment, funded with local grant programs	Poor Interchange may be constructed as separate project from other corridor improvements with operational benefits, and relatively major investment funded with congestion and/or safety funding	Good Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment, funded with local grant programs	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relative moderate investment, funded with local grant programs	
	RESULT	CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD	CARRIED FORWARD	NOT RECOMMENDED	
	NOTES		Long-term planning for major investment anticipated to be outside near-term timeframe			Not recommended due to added impacts and funding investmen with limited benefits over channelized T	

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Intersections/Interchanges – Table 2 of 6

			Brewery Ln Signal			Church Ave Signal		Bowles Ave Signal			
Category	Evaluation Criteria	l6 Channelized T	I7 Channelized T with SB Grade Separation	I8 NB Left CFI	l9 Channelized T – Close West Leg	I10 Quadrant Rd (SE corner)	I11 Quadrant Rd with Sumner	l12 CFI	I13 Quadrant Rd (NW corner)	I14 Folded Diamond West Interchange	I15 Quadrant Rd with Prince and Church
	Relative Level of Conflict – Vehicular	Fair Reduced conflict for NB through traffic	Good Removes NB and SB through volumes fr intersection	Fair Slight reduction in high-severity conflict point	Fair Reduced conflict for SB through traffic	Fair Slight reduction in conflict points	Fair Slight reduction in conflict points 😑	Fair Moderate reduction in high-severity conflict points	Fair Slight reduction in conflict points 😑	Good Much lower volume of conflicting traffic	Fair Slight reduction in conflict points
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	N/A No crossings at intersection with railroad along east side and no crossing of Brewery	N/A No crossings at intersection with railroad along east side and no crossing of Brewery	N/A No crossings at intersection with railroad along east side and no crossing of Brewery	Poor Potential increased conflict with SB traffic	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadres road intersections	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadrent road intersection.	Fair Minimal reduced conflict with CFI	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadrant road intersection	Good Conflicts with high through volumes on Santa Fe eliminated although ramp crossings remain	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadr road intersections
	Potential Crash Reduction	Fair ~15% crash reduction at intersection	Good ~40% reduction at intersection	Fair ~10% crash reduction at intersection	Fair ~15% crash reduction at intersection	Fair Reduced congestion and conflict points	Fair Reduced congestion and conflict point	Fair ~10% crash reduction at intersection	Fair Reduced congestion and conflict point	Good ~42% reduction at intersection	Fair Reduced congestion and conflict poin
Operational	Roadway Capacity related to Travel Demand	Fair Minimal overall improvement, but NB through movement capacity improved	Good Moderate improvement with no signals for Santa Fe through traffic	Fair Moderate improvement to intersection capacity	Fair Minimal overall improvement, but SB through movement capacity improved	Fair Moderate improvement to intersection capacity	Fair Moderate improvement to intersection capacity	Fair Moderate improvement to intersection capacity	Fair Moderate improvement to intersection capacity	Good Major improvement with removal of signal delay for Santa Fe through traffic	Fair Moderate improvemen to intersection capacity
	Travel Time Reliability	Fair Improved for NB traffic with no stops at signal	Good Major improvement with no stops at signal	Fair Minor improvement with improved efficiency	Fair Improved for SB traffic with no stops at signal	Fair Minor improvement with improved efficiency	Fair Minor improvement with improved efficiency	Fair Minor improvement with improved efficiency	Fair Moderate improvement with improved efficiency	Good Major improvement with removed bottleneck and reduced crashes	Fair Moderate improvemen with improved efficienc
Performance	Freight Movements	Fair Minimal improvement with reduced congestion on NB Santa	Good Moderate improvements with no stops along Santa Fe	Fair Minimal improvements with intersection efficiencies	Fair Minimal improvements with reduced congestion and stopping on SB Santa Fe	Fair Improvements on Santa Fe, but reduction in freight efficiencies with quadrant road	Fair Improvements on Santa Fe, but reduction in freight efficiencies wit quadrant roads	Fair Minimal improvements with intersection efficiencies	Fair Improvements on Santa Fe, but reduction in freight efficiencies with quadrant roads	Good Major improvements with no stops along Santa Fe	Fair Improvements on Sant Fe, but reduction in freight efficiencies with quadrant roads
	Access Operational Impacts	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	Fair Closing west leg access reduces operational impacts	Poor Potential new impacts at/along quadra road	Poor Potential major impacts along Sunor	Neutral No accesses and no additional access impacts	Poor Potential new impacts at/along quadrant r	Neutral No accesses and no additional access impacts	Poor Potential major impacts along local roads with added traffic
Multimodal Connections	Enhanced Walking and Biking Crossings	N/A No crossings at intersection with railroad along east side	N/A No crossings at intersection with railroad along east side	N/A No crossings at intersection with railroad along east side	Poor No new or enhanced crossings	Fair Enhanced crossing opportunity with quadrant road intersections	Fair Enhanced crossing opportunity with quadrant road intersections	Poor No new or enhanced crossings	Fair Enhanced crossing opportunity with quadrant road intersections	Good Enhanced opportunity with grade separation of Santa Fe traffice	Poor No new or enhanced crossings and crossing impacts along locat roads with added tr
	Expansion of Biking Opportunities	Poor No new multimodal infrastructure wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure wayfinding	Poor No new multimodal infrastructure ov wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure wayfinding	Good Grade separation enhances opportunities	Poor No new multimodal infrastructure ov wayfinding
	Optimized Transit Use	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Fair Reduced congestion provides minimal improvements to stor- along Church	Fair Reduced congestion provides minimal improvements to stops along Chui	Fair Reduced congestion provides minimal improvements to stors along Church	Fair Reduced congestion to Littleton Station and stops on Bowle	Fair Reduced congestion to Littleton Station and stops on Bowle	Fair Reduced congestion to Littleton Station and stops on Boy	Fair Minimal reduced congestion to Littleton Station and stops Bowles

			Brewery Ln Signal			Church Ave Signal			Bowles A	ve Signal	
Category	Evaluation Criteria	l6 Channelized T	I7 Channelized T with SB Grade Separation	I8 NB Left CFI	l9 Channelized T – Close West Leg	I10 Quadrant Rd (SE corner)	l11 Quadrant Rd with Sumner	I12 CFI	I13 Quadrant Rd (NW corner)	l14 Folded Diamond West Interchange	I15 Quadrant Rd with Prince and Church
	Property Impacts	4 properties	10 properties	2 properties	More than 15 properties	5 properties (Incl. ACC prkg Ic-	4 properties (Incl. ACC prkg lo	4 properties	4 properties	More than 20 properties	More than 20 properties
Community /	Property Access Modifications	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	Poor Closing west leg has major impacts to Hudson Gardens and EchoSt	Fair Moderate access impacts with out direction traver	Fair Moderate access impacts with out-c direction travel	Good No property access changes	Good Opportunity for added property access along quadrant road	Poor Signalized access on Bowles west of Santa Fe impacted	Fair Moderate access impacts with out-of direction travel
Quality of Life	Support of Local and Regional Planning and Policy Efforts	Good Improves capacity and reduces conflict points	Fair Improves capacity and reduces conflict points but provides more of the feel of a Freeway with gra- separation	Fair Concern with additional traffic signal on Santa Fe	Fair Would require improved alternative access for the land use or completed as part of redevelopment	Fair Concern with potential land use and access impacts to ACC and with additional traffic signal on Santa	Poor Potential extensive out-of-direction movement for SB lefts not consistent with Downtown access goals	Fair With design potentially utilizing existing signals for crossover	Fair Would need to be conducted in cooperation with development of the land	Fair Need to maintain comparable Downtown access and improve connection to South Platte	Poor Potential extensive out- of-direction movement for SB lefts not consistent with Downtown access g
Environmental Resources	Potential Environmental Resource Impacts	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Fair	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor	Poor Air Quality: Fair Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Goo	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Goo	Fair Air Quality: Fair Wetlands & Waters of the US: Good Noise: Poor Floodplains: Good	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Goo	Fair Air Quality: Good Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Fair	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Poor Floodplains: Goo
	Potential Social and Built Environment Impacts	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Poor	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Goo	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Good	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Good Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Poor Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Poor Rec 4(f)/6(f): Fair Visual: Good	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Good Visual: Fair	Poor Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Poor Visual: Poor	Fair Env Justice: Good Haz Mat: Good Historic: Poor Rec 4(f)/6(f): Fair Visual: Good
Constructability	Ease of Implementation	Good Relatively minor intersection construction with typical construction and ROW impacts within existin corridor area	Fair Santa Fe structure adds construction complexity with walls and coordination with property owners for ROW and site modifications	Fair Moderate design complexities, construction impacts, and ROW acquisition and permitting processes	Fair Closing west leg creates moderate complexities, construction impacts, and ROW acquisition and permitting processes	Fair Moderate design complexities, construction impacts, property owner coordination, and ROW acquisition appermitting processes	Fair Moderate construction and environmental impacts and lengthy ROW acquisition and permitting processes	Fair Moderate design complexities, construction impacts, and ROW acquisition and permitting processes	Fair Moderate construction impacts, property owner coordination, and ROW acquisition and permitting processes	Fair Moderate design complexities within constrained area, with construction impacts, and ROW acquisition and permitting process	Fair Moderate construction impacts and property owner and local agency coordination with changes in local circulation
	Ability to Implement as Standalone Project	Good Intersection may be constructed as separate project and relatively small investment, funded with local grant programs	Fair Intersection may be constructed as separate project with operational benefits and relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project with operational benefits and relatively moderate investment, funded with local grant program	Fair Intersection may be constructed as separate project with operational benefits and relatively moderate investment, funded with local grapt programs	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project with operational benefits and relatively moderate investment, funded with local grant programs	Poor Interchange may be constructed as separate project with operational benefits, but relatively major investment needed with congestion and/or safety fund.	Fair Intersection may be constructed as separate project with operationa benefits and relatively moderate investment, funded with local grant programs
RESU	JLT	CARRIED FORWARD	CARRIED FORWARD	NOT RECOMMENDED	CARRIED FORWARD	CARRIED FORWARD	NOT RECOMMENDED	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION	NOT RECOMMENDED
NOTES				Not recommended due to added impacts and funding investment with limited benefits over channelized T			Not recommended due to added traffic and environmental impacts with limited benefits over SE quadrant road			Long-term planning for major investment anticipated to be outside near-term timeframe	Not recommended due to added traffic and circulation impacts with limited benefits over other options

Eair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Intersections/Interchanges – Table 3 of 6

		Crestline Un	signalized			Prince St Signal	-		Belleview Ave	e Interchange
Category	Evaluation Criteria	I16 Close Access	I17 Improved Right- in/Right-out Access	I18 Grade Separation with Belleview Diamond	I19 Split Diamond Interchange with Belleview	l20 Convert to Right- in/Right-out (remove signal)	I21 Additional Lanes NB & EB/WB	l22 Remove Lefts, Routed via Belleview	I23 Add U-Turns in Interchange	I24 Interchange Reconstruction for Pedestrians
	Relative Level of Conflict – Vehicular	Fair Reduced conflicts, but movements shifted to other intersections	Fair Reduced conflicts, but left turns shifted to other intersection	Good Reduced conflict with much lower volume of conflicting traffic	Good Reduced conflict with much lower volume of conflicting traffic	Fair Reduced conflicts, but movements shifted to other intersection	Poor More lanes increase conflict points	Fair Reduced conflict and lower volume of conflicting traffic at interchange	Poor No reduction in vehicular conflict	Poor No reduction in vehicular conflict
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Good Pedestrians/bicyclists crossing conflicts removed	Fair Pedestrians/bicyclists crossing conflicts with Santa Fe left turns removed	Good Conflicts with high through volumes on Santa Fe eliminated although ramp crossings remain	Good Conflicts with high through volumes on Santa Fe eliminated, although ramp crossings remain	Fair Conflicts with high through volumes on Santa Fe eliminated, but movements shifted to other intersection	Poor Added crossing conflicts with new lane for relatively high- speed traffic along Santa Fe	Fair Reduced crossing conflicts at Prince, but new conflicts at Belleview	Poor Added crossing conflicts with new U-turn movements	Good Safety improvement for pedestrians/bicyclist
	Potential Crash Reduction	Good ~70% reduction at intersection, but some crashes may reloca	Good ~70% reduction at intersection	Good ~42% reduction at intersection	Good ~42% reduction at intersection	Fair Crash reduction at Prince, but turn conflicts shifted to other intersections	Fair Added capacity may reduce congestion- related crashes	Fair Crash reduction at Prince, but turn conflicts shifted to Belleview	Poor No or slight crash reduction	Fair Slight reduction ir crashes with facilit improvements
	Roadway Capacity related to Travel Demand	Poor Negligible improvement with intersection closure	Poor Negligible improvement with minor intersection modification	Good Major improvement with removal of signal delay for Santa Fe through traffic	Good Major improvement with removal of signal delay for Santa F through traffic	Good Moderate improvement to v/c with removal of signal delay for Sary Fe through traffic	Fair Minor improvement to intersection capacity	Fair Minor improvement to intersection capacity	Poor No improvement to Santa Fe capacity	Poor No improvement t Santa Fe capacity
	Travel Time Reliability	Poor No benefit for Santa Fe through traffic	Poor No benefit for Santa Fe through traffic	Good Moderate improvement with removed bottleneck and reduced crashes	Good Major improvement with removed bottleneck and reduced crashe	Good Major improvement with removed bottleneck and reduced crashes	Fair Minor improvement with improved intersection efficie	Fair Minor improvement with improved intersection efficiency with signal phase removal	Poor No benefit for Santa Fe through traffic	Poor No benefit for Santa through traffic
Operational Performance	Freight Movements	Neutral No change in freight movements on Santa Fe, but freight not an issue in area	Neutral No change in freight movements on Santa Fe, but freight not an issue in area	Good Moderate improvements with accel/decel improvements and stops on Santa	Good Moderate improvements with accel/decel improvements and stops on Santa F	Good Moderate improvements with accel/decel improvements and no stops on Santa F	Fair Minimal improvements with intersection efficiencies	Fair Minor improvements on Santa Fe, but reduction in freight efficiencies with shifted turning moveme	Neutral No change in freight movements on Santa Fe, but freight not an issue in area	Neutral No change in freig movements on Sar Fe, but freight not issue in area
	Access Operational Impacts	Good Access closure in congested area reduces slowing and turning maneuvers on Santa	Fair Left-turn restriction reduces slowing and turning maneuvers on Santa Fe	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in interchange area	N/A No accesses in interchange area
Multimodal Connections	Enhanced Walking and Biking Crossings	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Good Enhanced crossing opportunity with grade separation of high volumes of Santa Fe through traffic	Good Enhanced crossing opportunity with grade separation of high volumes of Santa F through traffic	Poor Crossing opportunity eliminated across Santa Fe	Fair Includes enhanced pedestrian/bicyclist crossing for Prince	Poor No new or enhanced crossings	Poor No new or enhanced crossings	Good Improvements fo pedestrian/bicycli crossings
	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Good New grade separation enhances opportunities for new multimodal infrastructure	Good New grade separation enhances opportunities for new multimodal infrastructure	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Good Opportunities for n multimodal infrastructure
	Optimized Transit Use	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and r LRT station in are

		Crestline Ur	nsignalized			Prince St Signal			Belleview Ave	e Interchange
Category	Evaluation Criteria	I16 Close Access	I17 Improved Right- in/Right-out Access	I18 Grade Separation with Belleview Diamond	I19 Split Diamond Interchange with Belleview	I20 Convert to Right- in/Right-out (remove signal)	I21 Additional Lanes NB & EB/WB	l22 Remove Lefts, Routed via Belleview	I23 Add U-Turns in Interchange	I24 Interchange Reconstruction for Pedestrians
	Property Impacts	0 properties	1 property	6 properties	More than 10 properties	0 properties	2 properties	2 properties	5 properties	4 properties
Community /	Property Access Modifications	Fair Moderate impact to local access, but Prince access relatively clos	Fair Restricted SB left-turn, but other turns remain	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in intersection area	N/A No accesses in interchange area	N/A No accesses in interchange area
Quality of Life	Support of Local and Regional Planning and Policy Efforts	Fair Consistent with City TMP	Good Consistent with City TMP and maintains movements for adjacent neighborhood	Fair With design for comparable access and improved ramp design for Belleview interchange	Fair With design for comparable access and improved ramp design for Belleview interchange	Poor Not consistent with Downtown access goals, limits access for commercial area to the west, and adds more traffic to Santa F	Good Provides additional capacity	Fair Would not improve capacity much while forcing vehicles to re-route and adds vehicles to Santa Fe	Fair Concern with impacts of added movements with merging due to deficient length of ramps	Good Consistent with City goals to improve pedestrian and bicycle accommodations
Environmental	Potential Environmental Resource Impacts	Good Air Quality: Poor Wetlands & Waters of the US: Good Noise: Good Floodplains: Good	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Good Floodplains: Goo	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poo	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poo	Fair Air Quality: Good Wetlands & Waters of the US: Fair Noise: Good Floodplains: Fai	Poor Air Quality: Fair Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Poor	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Fair Floodplains: Fair	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Fair Floodplains: Fair
Environmental Resources	Potential Social and Built Environment Impacts	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Good Visual: Good	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual: Good	Poor Env Justice: Good Haz Mat: Good Historic: Poor Rec 4(f)/6(f): Fair Visual: Poor	Poor Env Justice: Good Haz Mat: Good Historic: Poor Rec 4(f)/6(f): Fair Visual: Poor	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Good	Poor Env Justice: Good Haz Mat: Good Historic: Poor Rec 4(f)/6(f): Poor Visual: Good	Fair Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Fair Visual: Good	Good Env Justice: Good Haz Mat: Good Historic: Fair Rec 4(f)/6(f): Good Visual/Aesthetics: F	Fair Env Justice: Good Haz Mat: Fair Historic: Fair Rec 4(f)/6(f): Fair
	Ease of Implementation	Fair Relatively simple construction, but requires coordination with property owners for access and potential circulation modifications	Fair Relatively simple construction, but requires coordination with property owners for access and potential circulation modifications	Fair Moderate design complexities with interactions and connections between Prince and Belleview within constrained area	Fair Moderate design complexities with interactions and connections between Prince and Belleview within constrained area	Poor Relatively simple construction, but requires extensive study and outreach with area businesses/residents for access and circulation impacts	Good Relatively minor intersection construction with typical construction and no ROW impacts within existing corridor area	Fair Relatively simple construction, but requires outreach with area businesses/residents for access and circulation impacts	Fair Moderate design complexity to reconfigure interchange utilizing existing bridge and ramps, but no ROW impacts within interchange area	Fair Moderate design complexity to reconfigure interchange utilizing existing infrastructure, but no ROW impacts within interchange area
Constructability	Ability to Implement as Standalone Project	Good Access closure may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment	Good Access restriction may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment	Poor Grade separation may be constructed as separate project with operational benefits, and relatively major investment funded with congestion and/or safety funding	Poor Grade separation may be constructed as separate project with operational benefits, and relatively major investment funded with congestion and/or safety funding	Good Access restriction may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment	Good Lanes may be constructed as separate project with operational benefits and relatively small investment, funded with local grant programs	Good Access restriction may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment	Fair Interchange reconstruction may be constructed as separate project with relatively moderate investment, funded with local grant programs	Good Multimodal improvements may be constructed as separate project with relatively small investment, funded with local grant programs
RESU	LTS	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION	FUTURE ACTION	NOT RECOMMENDED	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD
NOTES				Long-term planning for major investment anticipated to be outside near-term timeframe	Long-term planning for major investment anticipated to be outside near-term timeframe	Not recommended due to local circulation and multimodal impacts with limited safety benefits over other options			Interchange reconfiguration a major investment anticipated to be outside near-term timeframe	



Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Intersections/Interchanges – Table 4 of 6

		Union A	ve Signal		Oxford Ave Signal		Hampden Ave	e Interchange
Category	Evaluation Criteria	I25 Channelized T	l26 Channelized T with SB Grade Separation	I27 NB/SB Lefts CFI	l28 Quadrant Rd (SW corner)	I29 Tight Diamond Interchange	I30 Tight Diamond/DDI/SPUI	I31 Folded Diamond West Interchange
	Relative Level of Conflict – Vehicular	Fair Reduced conflict for NB through traffic	Good Removes NB and SB through volumes from intersectio	Fair Moderate reduction in high- severity conflict points	Fair Slight reduction in conflict points	Good Much lower volume of confliction traffic	Fair Conflict points signals are shifted to lower volume roadway	Fair Conflict points signals are shifted to lower volume roadway
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Neutral No crossing of Santa Fe with railroad along east side; conflicts across Union remain	Neutral No crossing of Santa Fe with railroad along east side; conflicts across Union remain	Fair Minimal reduced conflict with CFI	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadrant road intersections	Good Conflicts with high through volumes on Santa Fe eliminated	Good Opportunity to improve current grade separated crossing of Santa Fe and provide new crossing for Hampden although ramp crossings remain	Good Opportunity to improve current grade separated crossing of Santa Fe and provide new crossing for Hampden althoug ramp crossings remain
	Potential Crash Reduction	Fair ~15% crash reduction—	Good ~40% crash reduction 🚫	Fair ~10% crash reduction a intersection	Fair Reduced congestion and conflict points	Good ~42% reduction at intersecti	Fair Signals relocated to lower volur and lower speed roadway	Fair Signals relocated to lower volume and lower speed roadway
	Roadway Capacity related to Travel Demand	Fair Minimal overall improvement, but NB through movement capa improved	Good Moderate improvement with no signals for Santa Fe through traffic	Fair Moderate improvement to intersection capacity	Fair Moderate improvement to intersection capacity, slight benefit compared to CF	Good Major improvement with removal of signal delay for Santa Fe through traffic	Good Moderate improvement with removal of signals for Santa Fe through traffic, although Hampden operations may be degrade	Good Moderate improvement with removal of signals for Santa Fe through traffic, although Hampde operations may be degraded
Operational	Travel Time Reliability	Fair Improved for NB traffic with no stops at signal 🤶	Good Major improvement with no stops at signal	Fair Minor improvement with improved efficiency 😑	Fair Minor improvement with improved efficiency	Good Major improvement with removal of signal bottleneck and reduced crashes on Santa Fe	Good Major improvement with removed bottleneck and reduced crash	Good Major improvement with remove bottleneck and reduced crash
Operational Performance	Freight Movements	Fair Minimal improvement with accel/decel improvements and reduced congestion and stopping on NB Santa Fe	Good Moderate improvements with accel/decel improvements and no stops along Santa	Fair Minimal improvements with intersection efficiencies	Fair Improvements on Santa Fe, but reduction in freight efficiencies with quadrant roads	Good Major improvements with no stops along Santa Fe	Good Moderate improvements with no stops along Santa Fe, although new signals on Hampden may impact turning trucks	Good Moderate improvements with no stops along Santa Fe, although new signals on Hampden may impact turning trucks
	Access Operational Impacts	Poor Property driveways near intersection remain	Good Reduction in driveways reduces slowing and turning maneuvers on Santa F	Fair May impact accesses on Oxford which may reduce operational impacts or Santa Fe	Poor Potential new impacts at/along quadrant road	Good Grade separation reduces Santa Fe operational impacts from turning movements on Oxford	N/A No accesses in interchange area	N/A No accesses in interchange area
	Enhanced Walking and Biking Crossings	N/A No crossings at intersection with railroad along east side	N/A No crossings at intersection with railroad along east side	Poor No new or enhanced crossings	Neutral Likely no enhanced crossing opportunity with quadrant road intersections with railroad along east side	Good Enhanced opportunity with grade separation of Santa Fe traffic	Good Opportunity to improve current grade separated crossing of Santa Fe and provide new crossing for Hampden	Good Opportunity to improve current grade separated crossing of Santa Fe and provide new crossing for Hampden
Multimodal Connections	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Good Grade separation enhances opportunities	Good Interchange reconstruction provides opportunity for improvements along and across Hampden	Good New grade separation enhances opportunities for new multimodal infrastructure
	Optimized Transit Use	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Fair Reduced congestion provides minimal improvements to Oxford- City of Sheridan Station and bus stops along Oxford	Fair Reduced congestion provides minimal improvements to Oxford-City of Sheridan Station and bus stops along Oxford	Good Reduced congestion and grade separation provide moderate improvements to Oxford-City of Sheridan Station and bus stops along Oxford	Good Reduced congestion and interchange reconstruction provide moderate driver and multimodal access improvements to Englewood Station	Good Reduced congestion and interchange reconstruction provide moderate driver and multimodal access improvements to Englewood Station

		Union A	ve Signal		Oxford Ave Signal		Hampden Av	e Interchange
Category	Evaluation Criteria	l25 Channelized T	I26 Channelized T with SB Grade Separation	I27 NB/SB Lefts CFI	l28 Quadrant Rd (SW corner)	I29 Tight Diamond Interchange	I30 Tight Diamond/DDI/SPUI	I31 Folded Diamond West Interchange
	Property Impacts	7 properties (includes railroad) 😑	15 properties (includes railroad)	6 properties (includes railroad) 😑	15 properties	More than 10 properties	4 properties	More than 10 properties (includes railroad)
	Property Access Modifications	Good No property access changes	Fair Potential impacts to 3 driveways without existing alternate access	Poor May impact driveway and signal access on Oxford	Fair Moderate access impacts with out-of-direction trav	Poor May impact driveway and signal access on Oxford	N/A No accesses in interchange area	N/A No accesses in interchange area
Community / Quality of Life	Support of Local and Regional Planning and Policy Efforts	Good Maintains business access to the Business Park and would function well with a frontage road	Good Maintains business access to the Business Park and would improve SB Santa Fe traffic flow	Fair Improves NB vehicular access to River Point and reduces conflicts, but may degrade multimodal crossing comfort with increased intersection size	Fair Added intersection capacity and potential for access, but diverts left turning movements into local streets whereas they are currently contained in the existing intersection	Fair Results in efficiency improvements for intersection, but construction impacts may be significant and reduce access to River Point	Fair Improves interchange vehicular and multimodal infrastructure and slows down Hampden traffic, but signals may increase delay on Hampden	Fair Does not have significant construction impacts or new patterns for drivers to learn, but lacks significant benefits over current configuration
Environmental	Potential Environmental Resource Impacts	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Good Floodplains: Fair	Fair Air Quality: Good Wetlands & Waters of the US: Fair Noise: Good Floodplains: Fair	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Good Floodplains: Good	Fair Air Quality: Good Wetlands & Waters of the US: Good Noise: Poor Floodplains: Good	Good Air Quality: Good Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good	Good Air Quality: Good Wetlands & Waters of the US: Good Noise: Fair Floodplains: Good
Resources	Potential Social and Built Environment Impacts	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Fair Visual/Aesthetics: Goo	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Fair Visual/Aesthetics: Good	Good Env Justice: Good Haz Mat: Fair Historic: Good Rec 4(f)/6(f): Fair Visual: Good	Fair Env Justice: Good Haz Mat: Poor Historic: Good Rec 4(f)/6(f): Good Visual: Good	Poor Env Justice: Good Haz Mat: Poor Historic: Good Rec 4(f)/6(f): Fair Visual: Poor	Good Env Justice: Good Haz Mat: Fair Historic Resources: Fair Rec 4(f)/6(f): Good Visual/Aesthetics: Good	Good Env Justice: Good Haz Mat: Fair Historic Resources: Fair Rec 4(f)/6(f): Good Visual/Aesthetics: Good
	Ease of Implementation	Good Relatively minor intersection construction with typical construction and ROW impacts within existing corridor area	Fair SB Santa Fe structure creates additional construction complexity with walls and coordination with property owners for ROW access and site modificatio	Fair Moderate design complexities, construction impacts, and ROW acquisition and permitting processes	Good May utilize existing local street with minor construction impacts and ROW acquisition and permitting processes	Fair Moderate design complexities within constrained area, with construction impacts and permitting processes, but opportunities for improvements with River Point access	Good Relatively minor design complexity to reconfigure interchange utilizing existing infrastructure and no ROW impacts within interchange are	Good Relatively minor design complexity to reconfigure interchange utilizing existing infrastructure and no ROW impacts within interchange are
Constructability	Ability to Implement as Standalone Project	Good Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment, funded with local grant programs	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively moderate investment, funded with local grant programs	Fair Interchange may be constructed as separate project with operational benefits, with relatively moderate investment, funded with local grant programs	Fair Intersection may be reconstructed as separate project with operational benefits and relatively moderate investment, funded with local grant programs	Fair Intersection may be reconstructed as separate project with operational benefits and relatively moderate investment, funded with local grant programs
RESU	TS	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD
NOTI	≣S							



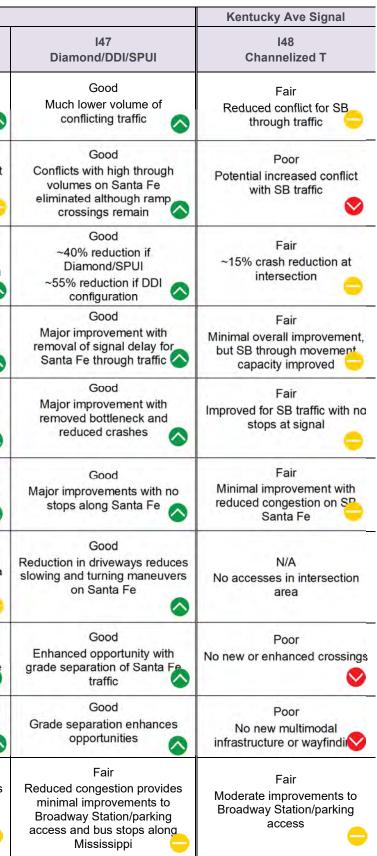
Intersections/Interchanges – Table 5 of 6

			Dartmou	uth Ave Signal		Evans Ave Interchange	J	ewell Ave Unsignalize	ed	Iowa Ave	Signal
Category	Evaluation Criteria	I32 Additional Lanes NB/SB	I33 Quadrant Rd (SW & NW corners)	I34 CFI	l35 Interchange	I36 Interchange Reconstruction for Pedestrians	I37 Close Access	I38 Convert to Right- out Only	I39 Convert to Right- in Only	I40 Channelized T	I41 Channelized T wit NB Grade Separation
	Relative Level of Conflict – Vehicular	Poor More lanes increase conflict points	Fair Slight reduction in conflict points	Fair Moderate reduction in high-severity conflict points	Good Much lower volume of conflicting traffic	Poor No reduction in vehicular confliv	Good All conflict points removed	Fair Some reduction in vehicular conflict	Fair Some reduction in vehicular conflict	Fair Reduced conflict with SB movement not stopping at sign	Good Removes NB and SB through volum from intersection
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Poor Added crossing conflicts with new lane for relatively high- speed traffic alon Santa Fe	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadran- road intersections	Fair Minimal reduced conflict with CFI	Good Eliminates conflicts with high volumes of Santa Fe traffic	Good Safety improvements for pedestrians/ bicyclists	Good Pedestrians/bicycli sts crossing conflicts removed	Fair Pedestrians/bicyclis ts crossing conflicts with Santa Fe some turns removed	Fair Pedestrians/bicyclis ts crossing conflicts with Santa Fe some turns removed	Poor Potential increased conflict with SB traffic	Fair Conflict with NB volumes on Sant Fe removed, but conflict with SP traffic remains
	Potential Crash Reduction	Fair Added capacity may reduce congestion related crashes	Fair Reduced congestion and conflict point	Fair ~ 10% crash reduction in intersection crashes at high-crash locati	Good ~ 40% crash reduction at high-crash location	Fair Slight reduction in crashes after faci- improvements	Good Low-crash location, but all intersection crashes remove	Fair Low-crash location, but may mitigate some future ris	Fair Low-crash location, but may mitigate some future ris	Fair ~15% crash reduction at intersection 😑	Good ~40% reduction a intersection
	Roadway Capacity related to Travel Demand	Fair Moderate improvement to intersection capac	Fair Minor improvement to intersection capacity, slight benefit compared to CF	Fair Minor improvement to intersection capacity	Good Major improvement with removal of signal delay for Santa Fe through traffic	Poor No improvement to Santa Fe capacity	Fair Removes turbulence due to turning vehicle	Poor Turning vehicles may still impact operations	Poor Turning vehicles may still impact operations	Fair Minimal overall improvement, but SB through movement capacity improve	Good Major improveme with no signals fo Santa Fe throug traffic
Operational	Travel Time Reliability	Fair Moderate improvement due to increased capacit	Fair Minor improvement due to improved intersection efficier	Fair Minor improvement due to improved intersection efficiency	Good Major improvement with removal of signal bottleneck and reduced crashes on Santa Fe	Poor No improvement to Santa Fe travel time reliability	Fair Minimal improvement by removal of turning movements	Poor No improvement to Santa Fe travel time reliability	Poor No improvement to Santa Fe travel time reliabilit	Fair Improved for SB traffic with fewer stops at signal	Good Major improveme for Santa Fe traf with no stops a signal
Performance	Freight Movements	Fair Moderate improvements with intersection efficiencies	Fair Improvements on Santa Fe, but reduced freight efficiencies	Fair Minimal improvements with intersection efficiencies	Good Major improvements with no stops along Santa Fe	Neutral No change in freight movements on Santa Fe	Neutral No change in freight movements on Santa Fe	Neutral No change in freight movements on Santa Fe	Neutral No change in freight movements on Santa Fe	Fair Minimal improvement with reduced congestion and stopping on SB Santa Fe	Good Moderate improvements w no stops along Santa Fe
	Access Operational Impacts	Poor Property driveways near intersection remain	Poor Potential new impacts at/along quadran	Poor Property driveways near intersection remain	Good Reduction in direct access reduces slowing and turning maneuvers on Santa Fe	N/A No accesses in interchange area	Good Access closure reduces slowing and turning or Santa Fe	Fair Minimal reduction in impact with turn restriction	Fair Minimal reduction in impact with turn restriction	Poor Access near intersection remains	Good Reduction in dire access reduce slowing and turn on Santa Fe
	Enhanced Walking and Biking Crossings	Poor No new or enhanced crossings	Fair Enhanced crossing opportunity with quadrant road intersections	Poor No new or enhanced crossings	Good Enhanced opportunity with grade separation of Santa Fe traffic	Good Improvements for pedestrian/bicyclist crossings	Poor No new or enhanced crossings 🚫	Poor No new or enhanced crossings	Poor No new or enhanced crossings 🚫	Poor No new or enhanced crossings	Poor No new or enhan crossings
Multimodal Connections	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Good New grade separation enhances opportunities for new multimodal infrastructure	Good Opportunities for new multimodal infrastructure	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimodal infrastructure or wayfinding	Poor No new multimo infrastructure o wayfinding
	Optimized Transit Use	Fair Improvements to Englewood Station access and stops Dartmouth	Fair Improvements to Englewood Station access and stops Dartmouth	Fair Improvements to Englewood Station access and stops Dartmouth	Good Grade separation and reduced congestion provides bus improvement on Dartmouth	Fair Improvements to Englewood Station access and stops Dartmouth	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and LRT station in ar

			Dartmo	uth Ave Signal		Evans Ave Interchange	J	ewell Ave Unsignaliz	ed	Iowa Ave	Signal
Category	Evaluation Criteria	l32 Additional Lanes NB/SB	I33 Quadrant Rd (SW & NW corners)	134 CFI	I35 Interchange	I36 Interchange Reconstruction for Pedestrians	I37 Close Access	I38 Convert to Right- out Only	I39 Convert to Right- in Only	I40 Channelized T	l41 Channelized T with NB Grade Separation
	Property Impacts	13 properties (includes railroad	12 properties	More than 10 properties (includes railroac	More than 10 properties (includes railroad)	0 properties	0 properties	2 properties	1 property	6 properties	13 properties
Community / Quality of Life	Property Access Modifications	Good No property access changes	Fair Moderate access impacts with out-of- direction travel	Good No property access changes	Fair Closure of intersections on Santa Fe, but property access via Dartmouth and existing frontage roac	N/A No accesses in interchange area	Fair Moderate impact to local access with shift through neighborhood	Fair Minor impact to local access with shift through neighborhood	Fair Minor impact to local access with shift through neighborhood	Good No property access changes	Fair Potential impact to multiple properties without existing alternate acces
	Support of Local and Regional Planning and Policy Efforts	Fair	Fair	Fair	Good	Good	Fair	Good	Poor Concern with pedestrian/bicyclist conflicts with turns from Santa F	Poor Concern with ped/bike crossing impacts, unless they can be maintained	Poor Concern with ped/bike crossing impacts, unless they can be maintain
Environmental Resources	Potential Environmental Resource Impacts	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Poor Air Quality: Fair Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Pool	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Fair	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Poor	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Fair Floodplains: Poor	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Good Floodplains: Goo	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Poor Floodplains: Fair	Fair Air Quality: Poor Wetlands & Waters of the US: Good Noise: Fair Floodplains: Fair	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Good Floodplains: Fair	Fair Air Quality: Good Wetlands & Waters of the US: Good Noise: Fair Floodplains: Fair
	Potential Social and Built Environment Impacts	Fair Env Justice: Poor Haz Mat: Fair Historic: Good Rec 4(f)/6(f): Poor Visual: Good	Poor Env Justice: Poor Haz Mat: Poor Historic: Fair Rec 4(f)/6(f): Poor Visual: Good	Fair Env Justice: Poor Haz Mat: Fair Historic: Good Rec 4(f)/6(f): Poor Visual: Good	Poor Env Justice: Poor Haz Mat: Fair Historic: Good Rec 4(f)/6(f): Poor Visual: Good	Good Env Justice: Good Haz Mat: Fair	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Good Visual: Good	Good Env Justice: Good Haz Mat: Fair Historic: Good Rec 4(f)/6(f): Good Visual: Good	Good Env Justice: Good Haz Mat: Good Historic: Good Rec 4(f)/6(f): Good Visual: Good	Fair Env Justice: Good Haz Mat: Fair Historic: Poor Rec 4(f)/6(f): Good Visual: Good	Poor Env Justice: Good Haz Mat: Fair Historic: Poor Rec 4(f)/6(f): Good Visual: Poor
Constructability	Ease of Implementation	Good Relatively minor intersection construction with typical construction and no ROW impacts within existing corridor area	Fair Moderate construction impacts, property owner coordination, and ROW acquisition and permitting processes	Fair Moderate design complexities, construction impacts, and ROW acquisition and permitting processes	Poor Prolonged process for ramp in railroad ROW and/or mobile home community impacts, in addition to maintenance challenges for ramps adjacent to railroad/LRT station	Fair Moderate design complexity to reconfigure interchange utilizing existing infrastructure, but no ROW impacts within interchange area	Fair Relatively simple construction, but requires coordination for access and potential circulation modification	Fair Relatively simple construction, but requires coordination for access and potential circulation modification	Fair Relatively simple construction, but requires coordination for access and potential circulation modifications	Good Relatively minor intersection construction with typical construction and ROW impacts within existing corridor area	Poor NB structure creates added construction complexity and coordination with property owners for access and site modifications
	Ability to Implement as Standalone Project	Good Lanes may be constructed as separate project with operational benefits and relatively small investment, funded with local grant programs	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Poor Interchange may be constructed as separate project from other corridor improvements with operational benefits, but relatively major investment with congestion and/over safety funding	Good Multimodal improvements may be constructed as separate project with relatively small investment, funded with local grant programs	Good Access closure may be constructed as separate project from other corridor improvements with relatively small investment	Good Access restriction may be constructed as separate project from other corridor improvements with relatively small investment	Good Access restriction may be constructed as separate project from other corridor improvements with relatively small investment	Good Intersection may be constructed as separate project from other corridor improvements with operational benefits and relatively small investment, funded with local grant program	Fair Intersection may be constructed as separate project with relatively major investment, funded with local grant programs
RESU	LTS	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION
NOTI	ES				Long-term planning for major investment and environmental permitting anticipated to be outside near-term timeframe						Property impacts and construction impacts anticipated to be outside near- term timeframe

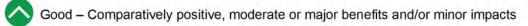
Intersections/Interchanges – Table 6 of 6

			Florida Ave Signal			Mississippi Ave Signal
Category	Evaluation Criteria	l42 Offset T – Close East Leg	I43 Interchange - Iowa Closure with Connections	I44 Interchange with Extension to Broadway	l45 Quadrant Rd Intersection (SE & NW corners)	I46 Quadrant Rd with Grade Separation
	Relative Level of Conflict – Vehicular	Fair Reduced conflict although east leg volumes are lo	Good Much lower volume of conflicting traffic	Good Much lower volume of conflicting traffic	Fair Slight reduction in conflict points	Good Much lower volume of conflicting traffic
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Fair Minimal reduced conflict with T intersections	Good Conflicts with high through volumes on Santa Fe eliminated although rama crossings remain	Good Conflicts with high through volumes on Santa Fe eliminated although ramp crossings remain	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadrant road intersections	Fair Reduced crossing conflicts at main intersection, but new conflicts at quadrant road intersections
	Potential Crash Reduction	Fair ~10% crash reduction at intersection	Good ~ 40% crash reduction in intersection crashes at high- crash location	Good ~ 40% crash reduction in intersection crashes at high-crash location	Fair Reduced congestion and conflict points	Good Grade separation would support a ~30-40% reduction
	Roadway Capacity related to Travel Demand	Fair Minor improvement and potential to channelize NB traffic	Good Major improvement with removal of signal delay for Santa Fe through traff	Good Major improvement with removal of signal delay for Santa Fe through traffic	Fair Moderate improvement to intersection capacity —	Good Major improvement with removal of signal delay for Santa Fe through traffic
Operational	Travel Time Reliability	Fair Minor improvement with improved efficiency	Good Major improvement with removed bottleneck and reduced crashes	Good Major improvement with removed bottleneck and reduced crashes	Fair Minor improvement with improved efficiency 😑	Good Major improvement with removed bottleneck and reduced crashes
Operational Performance	Freight Movements	Fair Minimal improvements with intersection efficiencies	Good Major improvements with no stops along Santa Fe	Good Major improvements with no stops along Santa Fe	Fair Minimal improvements with intersection efficiencies	Good Major improvements with no stops along Santa Fe
	Access Operational Impacts	Fair Closing east leg access reduces operational impacts	Good Reduction in driveways reduces slowing and turning maneuvers on Santa Fe	Good Reduction in driveways reduces slowing and turning maneuvers on Santa Fe	Poor Potential added operational impacts with access at and along quadrant road	Fair Reduction in driveways reduces maneuvers on Santa Fe, but potential added impacts with access at an- along quadrant road
	Enhanced Walking and Biking Crossings	Poor No new or enhanced crossings	Good Enhanced opportunity with grade separation of Santa Fe traffic	Good Enhanced opportunity with grade separation of Santa Fe traffic	Fair Enhanced crossing opportunity with quadrar road intersections	Good Enhanced opportunity with grade separation of Santa Fe traffic
Multimodal Connections	Expansion of Biking Opportunities	Poor No new multimodal infrastructure or wayfind	Good Grade separation enhances opportunities	Good Grade separation enhances opportunities	Poor No new multimodal infrastructure or wayfindi	Good Grade separation enhances opportunities
	Optimized Transit Use	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Fair Reduced congestion provides minimal improvements to Broadway Station/parking access and bus stops alor Mississippi	Fair Reduced congestion provides minimal improvements to Broadway Station/parking access and bus stops alo Mississippi

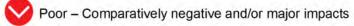


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			Florida Ave Signal			Mississippi Ave Signal		Kentucky Ave Signal
Category	Evaluation Criteria	l42 Offset T – Close East Leg	I43 Interchange - Iowa Closure with Connections	l44 Interchange with Extension to Broadway	I45 Quadrant Rd Intersection (SE & NW corners)	I46 Quadrant Rd with Grade Separation	l47 Diamond/DDI/SPUI	I48 Channelized T
	Property Impacts	4 properties	More than 15 properties	More than 20 properties	More than 30 properties	More than 30 properties	More than 25 properties	5 properties
Community / Quality of Life	Property Access Modifications	Poor Closing east leg has major impacts to multiple properties with no altern access to SB Santa F	Poor Impacts up 5 driveways on Santa Fe and access on Florida	Poor Impacts up 5 driveways on Santa Fe and access on Florida	Fair May impact direct accesses on Santa Fe with opportunity for additional property access along quadrant road	Fair Impacts direct accesses on Santa Fe with opportunity for additional property access along quadrant road	Poor Impacts up to 10 driveways on Santa and access on Mississippi	N/A No accesses in intersection area
	Support of Local and Regional Planning and Policy Efforts	Poor	Poor	Good	Poor	Poor	Poor	Good
Environmental	Potential Environmental Resource Impacts	Good Air Quality: Fair Wetlands & Waters of the US: Good Noise: Good Floodplains: Fair	Fair Air Quality: Good Wetlands & Waters of the US: Good Noise: Poor Floodplains: Fair	Fair Air Quality: Good Wetlands & Waters of the US: Good Noise: Poor Floodplains: Fair	Fair Air Quality: Fair Wetlands & Waters of the US: Fair Noise: Fair Floodplains: Fair	Poor Air Quality: Good Wetlands & Waters of the US: Fair Noise: Poor Floodplains: Poor	Poor Air Quality: Good Wetlands & Waters of the US: Poor Noise: Poor Floodplains: Fair	Fair Air Quality: Fair Wetlands & Waters of the US Fair Noise: Good Floodplains: Poor
Environmental Resources	Potential Social and Built Environment Impacts	Fair Env Justice: Good Haz Mat: Fair Historic Resources: Poor Rec 4(f)/6(f): Good Visual/Aesthetics: Good	Poor Env Justice: Good Haz Mat: Fair Historic Resources: Poor Rec 4(f)/6(f): Poor Visual/Aesthetics: Poor	Poor Env Justice: Good Haz Mat: Poor Historic Resources: Poor Rec 4(f)/6(f): Poor Visual/Aesthetics: Poor	Fair Env Justice: Poor Haz Mat: Poor Historic: Good Rec 4(f)/6(f): Fair Visual: Good	Poor Env Justice: Poor Haz Mat: Poor Historic: Good Rec 4(f)/6(f): Fair Visual: Poor	Poor Env Justice: Poor Haz Mat: Poor Historic: Good Rec 4(f)/6(f): Poor Visual: Poor	Fair Env Justice: Good Haz Mat: Fair Historic Resources: Good Rec 4(f)/6(f): Fair Visual/Aesthetics: Good
Constructability	Ease of Implementation	Fair Closing east leg creates moderate design and coordination complexities, construction impacts, and ROW acquisition and permitting processes	Fair Moderate design complexities within constrained area, with construction impacts, and ROW acquisition and permitting processes	Poor Additional study needed for extension to Broadway with prolonged process for new railroad grade separation and major design complexities within constrained area, with construction impacts, and ROW acquisition and permitting processes	Fair Moderate construction impacts, property owner coordination, and ROW acquisition and permitting processes	Fair Grade separations create additional construction complexity and coordination with property owners for access and site modifications	Fair Moderate design complexities within constrained area, with construction impacts, and ROW acquisition and permitting processes	Good Relatively minor intersection construction with typical construction and ROW impacts within existing corrido area
	Ability to Implement as Standalone Project	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant- programs	Poor Interchange may be constructed as separate project with operational benefits, but relatively major investment needed with congestion and/or safet funding	Poor Interchange may be constructed as separate project with operational benefits, but relatively major investment with limited funding opportunities	Fair Intersection may be constructed as separate project with relatively moderate investment, funded with local grant programs	Poor Grade separations may be constructed as separate project with operational benefits, but relatively major investment needed with congestion and/or safeto funding	Poor Interchange may be constructed as separate project with operational benefits, but relatively major investment needed with congestion and/or safety funding	Good Intersection may be constructed as separate project from other corridor improvements with operationa benefits and relatively small investment, funded with loc grant programs
RES	ULTS	CARRIED FORWARD	FUTURE ACTION	FUTURE ACTION	CARRIED FORWARD	FUTURE ACTION	FUTURE ACTION	CARRIED FORWARD
NC	DTES		Long-term planning for major investment anticipated to be outside near-term timeframe	Long-term planning for major investment anticipated to be outside near-term timeframe		Long-term planning for major investment anticipated to be outside near-term timeframe	Long-term planning for major investment anticipated to be outside near-term timeframe	

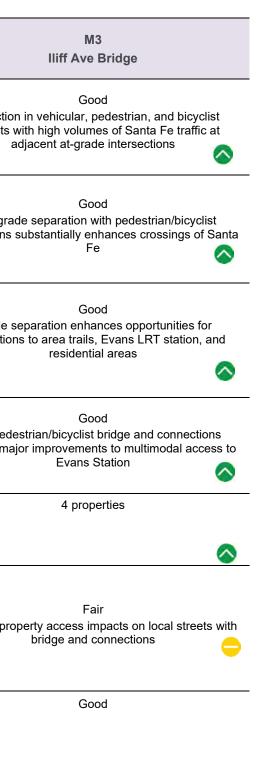


Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts



Multimodal Infrastructure – Pedestrian/Bicyclist Grade Separation

	·····, ······			
Category	Evaluation Criteria	M1 C-470 Interchange Improved N/S Crossing	M2 Englewood Station Bridge	
 Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Fair Reduces vehicular, pedestrian, and bicyclist conflicts through interchange	Good Reduction in vehicular, pedestrian, and bicyclist conflicts with high volumes of Santa Fe traffic at adjacent at-grade intersections	Reductior conflicts v a
	Enhanced Walking and Biking Crossings	Good Enhanced pedestrian/bicyclist connection crossing C-470	Good New grade separation with pedestrian/bicyclist connections substantially enhances crossings of Santa Fe	New grad connections s
Multimodal Connections	Expansion of Biking Opportunities	Fair Enhanced connection provides opportunities for trails but currently no facility north of C-470 along Santa Fe	Good Grade separation enhances opportunities for connections to area trails, LRT station, and residential and development areas	Grade s connection
	Optimized Transit Use	Fair Enhanced connection across C-470 improves access to bus stops at County Line Road	Good New pedestrian/bicyclist bridge and connections provides major improvements to multimodal access to Englewood Station	New pede provides maj
	Property Impacts	1 property	2 properties	
Community / Quality of Life	Property Access Modifications	N/A No accesses in area of C-470 interchange	N/A No accesses in area of bridge or connections	Potential pro
	Support of Local and Regional Planning and Policy Efforts	Good	Good Consistent with recommendations in multiple recent studies and provides major bike and pedestrian improvements with minimal impacts to Santa Fe, beyond temporary construction	





Category	Evaluation Criteria	M1 C-470 Interchange Improved N/S Crossing	M2 Englewood Station Bridge	
	Potential Environmental Resource Impacts	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Wetla
Environmental Resources	Potential Social and Built Environment Impacts	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Fair Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair	E H
	Ease of Implementation	Good Minor impacts and anticipated typical construction within existing interchange area	Fair Minor impacts and moderate design complexities with connections to Englewood Station and parking structure and construction requires bridge placement over Santa Fe	Additional stud type and lo potential impac requires
Constructability	Ability to Implement as Standalone Project	Good Pedestrian/bicyclist connections may be constructed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Pedestrian/bicyclist bridge and connections may be constructed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Pedestrian/b constructed improvements small investr
	RESULT	CARRIED FORWARD	CARRIED FORWARD	
	NOTES			

Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

 \sim

M3 Iliff Ave Bridge

Fair Air Quality: N/A etlands & Waters of the US: Good Noise: N/A Floodplains: Fair

Fair Environmental Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair

Fair

tudy and outreach needed to identify facility I location of bridge and connections with pacts to existing properties and construction ires bridge placement over Santa Fe

Good

n/bicyclist bridge and connections may be ed as separate project from other corridor ents with multimodal benefits and relatively estment, funded with local grant programs

CARRIED FORWARD

Multimodal Infrastructure – Improved Connections to Parallel Trail Facilities – Table 1 of 2

Evaluation Criteria Relative Level of Conflict – Pedestrians/ Bicyclists Enhanced Walking and Biking Crossings Expansion of Biking Opportunities	Lee Gulch Trail Paving Neutral No change from No Action with grade separation at Santa Fe Good Trail paving enhances existing grade separated crossing with improved connection to existing trails Good Trail paving provides improved Sood Trail paving provides improved connections to existing trails	Littleton Community Trail Paving Neutral No change from No Action with separation from vehicular traffic N/A No crossings with Santa Fe Good Trail paving provides improved surface and improved surface and improved connections to existing trails	Santa Fe Dr Sidewalk Gaps Good New sidewalk for pedestrians and a fence to guide people toward signalized crossings Fair Pedestrians still cross Santa Fe at signalized intersections, but with pedestrian enhancements Fair Provides new facility adjacent to Santa Fe	Bowles Connection to Mary Carter Greenway Trail Neutral No change from No Action with separation from vehicular traffic N/A No crossings with Santa Fe Fair Provides minor benefits of direct connection on Bowles Avenue	Good Good New grade separation across Santa Fe eliminates vehicular, pedestrian, and bicyclist conflicts with high volumes of Santa Fe traffic Good New grade separation with pedestrian/bicyclist connections Sood Santa Fe Good Santa Fe Good Santa Fe Good New grade separation and Good New grade separation and connections substantially improves connections to trails	Belleview Ave Sidewalk Neutral Neutral No change from No Action wit current sidewalk on Belleview Avenue Avenue N/A No crossings with Santa Fe Fair Expansion of current sidewalk enhances connection from Mail Option Mail
Pedestrians/ Bicyclists Enhanced Walking and Biking Crossings	No change from No Action with grade separation at Santa Fe Good Trail paving enhances existing grade separated crossing with improved connection to existing trails	No change from No Action with separation from vehicular traffic	New sidewalk for pedestrians and a fence to guide people toward signalized crossings Fair Pedestrians still cross Santa Fe at signalized intersections, but with pedestrian enhancements Fair Provides new facility adjacent to	No change from No Action with separation from vehicular traffic N/A No crossings with Santa Fe Fair Provides minor benefits of direct	New grade separation across Santa Fe eliminates vehicular, pedestrian, and bicyclist conflicts with high volumes of Santa Fe traffic Good New grade separation with pedestrian/bicyclist connections substantially enhances crossings of Santa Fe Good New grade separation and connections substantially improves	No change from No Action wi current sidewalk on Belleviev Avenue N/A No crossings with Santa Fe Fair Expansion of current sidewal enhances connection from Ma
Crossings	Trail paving enhances existing grade separated crossing with improved connection to existing trails	No crossings with Santa Fe Good Trail paving provides improved surface and improved connections to existing trails	Fair Pedestrians still cross Santa Fe at signalized intersections, but with pedestrian enhancements Fair Provides new facility adjacent to	No crossings with Santa Fe Fair Provides minor benefits of direct	Good New grade separation with pedestrian/bicyclist connections substantially enhances crossings of Santa Fe Good New grade separation and connections substantially improves	No crossings with Santa Fe Fair Expansion of current sidewal enhances connection from Ma
Crossings	Trail paving enhances existing grade separated crossing with improved connection to existing trails	No crossings with Santa Fe Good Trail paving provides improved surface and improved connections to existing trails	Pedestrians still cross Santa Fe at signalized intersections, but with pedestrian enhancements Fair Provides new facility adjacent to	No crossings with Santa Fe Fair Provides minor benefits of direct	New grade separation with pedestrian/bicyclist connections substantially enhances crossings of Santa Fe Good New grade separation and connections substantially improves	No crossings with Santa Fe Fair Expansion of current sidewal enhances connection from Ma
Expansion of Biking Opportunities	Trail paving provides improved surface and improved	Trail paving provides improved surface and improved connections to existing trails	Provides new facility adjacent to	Provides minor benefits of direct	New grade separation and connections substantially improves	Expansion of current sidewal enhances connection from Ma
			-	<u> </u>		Carter Greenway Trail to Santa
Optimized Transit Use	N/A No bus route and no LRT station in area	Fair Trail paving provides improved connection for minor improvements to multimodal access to bus stops on Prince	N/A No bus route and no LRT station in area	Fair Direct connection provides minor improvement to bus stops on Bowles	N/A No bus route and no LRT station in area	N/A No bus route and no LRT static area
Property Impacts	0 properties	More than 5 properties	More than 20 properties	0 properties	3 properties	4 properties
Property Access Modifications	Good No property access changes	Good No property access changes	Fair Potential modifications to multiple property driveways with sidewalk adjacent to Santa	Good No property access changes	Good No property access changes	Fair Potential modifications to mult property driveways with sidew changes adjacent to Santa F
Support of Local and Regional Planning and Policy Efforts	Good Improved access and connectivity of trail to provide for all users	Good Improved access and connectivity of trail to provide for all users	Fair Alternative parallel pedestrian route improvements may be more practical and enticing to users Partly depends on future land use and completion of proposed frontage road. Concern about look and effectiveness of	Good Improved access and connectivity of trail system	Good Included in City TMP and proposed by South Platte Working Group Connectivity Study, provide much needed grade separated access across Santa Fe Drive and to the Mary Carter Greenway	Good Included in City TMP and propo by South Platte Working Grou Connectivity Study, provide improved accessibility to the M Carter Greenway
	Property Access Modifications	Property Access Modifications Good No property access changes Support of Local and Regional	Good Good Good No property access changes Good No property access changes Property Access Modifications Improved access changes Improved access and connectivity of trail to provide for all users Improved access and connectivity of trail to provide for all users Good	Property Impacts 0 properties More than 5 properties Image: Constraint of the co	Property Impacts 0 properties More than 5 properties Image: Constraint of the co	Property Impacts 0 properties More than 5 properties Image: Constraint of the co

23143 Santa Fe PEL (C-470 to I-25) LEVEL 2A SCREENING MATRIX 22 of 28

Category	Evaluation Criteria	M4	M5 Littleton Community Trail	M6	M7 Bowles Connection to Mary	M8	М9
outegory	Evaluation ontena	Lee Gulch Trail Paving	Paving	Santa Fe Dr Sidewalk Gaps	Carter Greenway Trail	Trail Connection at Crestline	Belleview Ave Sidewalk
Environmental Resources	Potential Environmental Resource Impacts	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Good Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good
	Potential Social and Built Environment Impacts	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Fair Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good
Constructability	Ease of Implementation	Good Paving existing trail relatively easy construction with minimal approval process required	Good Paving existing trail relatively easy construction with minimal approval process required	Fair Sidewalk relatively easy construction, but with substantial property owner coordination required for ROW and site impacts, including access and parking impacts	Good Minor connection relatively easy construction with minimal approval process required	Fair New trail connection easy construction with moderate property impacts and underpass construction may require substantial traffic control on Santa Fe	Fair Expansion of sidewalk relatively easy construction, but with substantial property owner coordination required for ROW and site impacts, including access and parking impacts
	Ability to Implement as Standalone Project	Good Trail paving may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Trail paving may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Sidewalk construction may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Small connection may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Trail connection and underpass may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Expansion of sidewalk may be completed as separate project fro other corridor improvements with multimodal benefits and relativel small investment, funded with loc grant programs
	RESULT	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD
	NOTES						

Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Multimodal Infrastructure – Improved Connections to Parallel Trail Facilities – Table 2 of 2

Category	Evaluation Criteria	M10 Oxford Ave Sidewalk	M11 Oxford Ave Bike Lanes	M12 Hampden Ave Path	M13 Little Dry Creek Widening	M14 Improved Mississippi Connection to Platte River Trail
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Good New sidewalk reduces pedestrian conflicts along Oxford	Fair New bike lanes reduce bicyclist conflicts along Oxford	Good New path reduces pedestrian conflicts along Hampden	Neutral No change from No Action with sidewalk on Dartmouth Avenue	Fair Reduces conflicts at intersection with expanded space and enhanced access to trail
	Enhanced Walking and Biking Crossings	Good New sidewalk connection for pedestrians leading to signalized crossing of Santa Fe	Good New biking connection to signalized crossing of Santa Fe	Good New path connection for pedestrians/bicyclists along Hampden under Santa Fe	Fair Minor improvements to Santa Fe crossing at Dartmouth with path enhancements	Fair Minor improvements with enhanced crossing at intersection with expanded space
Multimodal Connections	Expansion of Biking Opportunities	Poor No new biking infrastructure or wayfinding	Good New biking facility enhances connection from Mary Carter Greenway Trail	Good New pedestrian/bicyclist facility provides major improved connection from residential and employment area across Santa Fe	Fair Expansion of pedestrian/bicyclist connection enhances connection from Mary Carter Greenway Trail to Santa Fe	Fair Enhanced connection provides opportunity for improved facility and wayfinding, but no expansion from current facility
	Optimized Transit Use	Good Improved access to bus stops on west side of Oxford	Good New bicyclist connection provides improved bicyclist access to Oxford Station	Good New pedestrian/bicyclist connection provides improved multimodal access to Englewood Station	Fair Minor improvements to multimodal access to bus stops on Dartmouth	Fair Minor improvements to multimodal access to bus stops on Mississippi
	Property Impacts	1 property	7 properties	2 properties	1 property	0 properties
Community / Quality of Life	Property Access Modifications	Good No property access changes	Good No property access changes	Good No property access changes	Good No property access changes	Good No property access changes
	Support of Local and Regional Planning and Policy Efforts	Good Supports pedestrian/bicyclist connectivity at Oxford intersection, consistent with City goals, and social paths current exist and indicate a need for sidewalks	Good Consistent with recommendations by South Platte Working Group Connectivity Study and supports bicyclist connections to regional trail system	Good Consistent with recommendations in multiple recent studies and social paths exist and indicate a need for sidewalks	Good	Good

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Category	Evaluation Criteria	M10 Oxford Ave Sidewalk	M11 Oxford Ave Bike Lanes	M12 Hampden Ave Path	M13 Little Dry Creek Widening	M14 Improved Mississippi Connection to Platte River Trail
Environmental Resources	Potential Environmental Resource Impacts	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair
	Potential Social and Built Environment Impacts	Good Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Fair Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Environmental Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good
Constructability	Ease of Implementation	Good Minor sidewalk connection with relatively easy construction with minimal approval process required	Good Signing and striping improvement with minimal construction	Good Path with relatively easy construction with minimal approval process required within Hampden interchange ROW	Good Expansion of path relatively easy construction with minimal approval process required	Fair Expansion of space and trail access relatively moderate construction impacts with signal and intersection reconstruction in highly congested area
	Ability to Implement as Standalone Project	Good New sidewalk connection may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Bike lanes may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Path construction may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Expansion of path may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Fair Enhanced trail connection may be completed as separate project from other corridor improvements with multimodal benefits, but relatively moderate investment due to intersection and traffic impacts and environmental process
RESULT		CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD
	NOTES					

Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Multimodal Infrastructure – Improved Connections to Transit

	Evaluation	M15	M16 Mineral Sidewalk and	M17	M18	M19	M20 Ovford Sharidan Station	M21
Category	Criteria	Littleton/Mineral Station Parking Lot Path	Mineral Sidewalk and Pedestrian Bridge Widening	Structured Parking at Littleton/Mineral Station	Littleton/Downtown Connection Improvements	Oxford-Sheridan Station Pedestrian/Bicycle Bridge	Oxford-Sheridan Station Additional Parking and Sidewalk (east side)	Broadway Station Bridg over Railroad
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	Good New path reduces pedestrian conflicts through parking area	Neutral No change from No Action with sidewalk and bridge connection	Fair Expansion of parking may result in more vehicles in area, but design may mitigate additional pedestrians/bicyclists conflicts	Neutral No change from No Action with separation from vehicular traffic	Good Reduction in vehicular, pedestrian, and bicyclist conflicts with high volumes of Santa Fe traffic at adjacent at- grade intersections	Fair Added parking may result in more vehicles in area, but new sidewalk may mitigate additional pedestrians/bicyclists conflicts	Good Reduces potential pedestria and bicyclist conflicts at railro
Multimodal Connections	Enhanced Walking and Biking Crossings	Good New delinated path enhances existing grade separated crossing with improved connection to existing trails and Littleton/Mineral Station	Good Sidewalk and bridge improvements enhance existing grade separated crossing with improved connection to existing trails and Littleton/Mineral Station	N/A No crossings with Santa Fe	Good Trail improvements enhances existing grade separated crossing with improved connection to existing trails and Littleton/Downtown Station	Good New grade separation with pedestrian/bicyclist connections substantially enhances crossing of Santa Fe	N/A No crossings with Santa Fe	N/A No crossings with Santa Fe
	Expansion of Biking Opportunities	Good New delinated biking facility enhances connection to Mary Carter Greenway Trail and Littleton/Mineral Sta	Good Enhancement of existing biking facility improves connections to trails and Littleton/Mineral Statio	Poor No new multimodal infrastructure or wayfinding	Good Enhancement of existing biking facility improves connections to trails and Littleton/Downtown Static	Good Grade separation enhances opportunities	Poor No new multimodal infrastructure or wayfinding	Good Grade separation of railroa enhances opportunities for connections to area trails ar Broadway Station
	Optimized Transit Use	Good New pedestrian/bicyclist connection provides moderate improvements to multimodal access to Littleton/Mineral Statio	Good Improved pedestrian/bicyclist connections provide moderate improvements to multimodal access to Littleton/Mineral Station	Good Increases parking capacity to improve use of Littleton/Mineral Station	Fair Improvements provide minor improvements to multimodal access to bus stops on Prince Street and Littleton/Downtown Static	Good New pedestrian/bicyclist bridge and connections provides major improvements to multimodal access to Oxford- Sheridan Station	Good Increases parking capacity to improve use of Oxford-Sheridan Station	Good New pedestrian/bicyclist bric provides moderate improvements to multimoda access to Broadway Statio with new development
	Property Impacts	2 properties	0 properties	0 properties	0 properties	2 properties	More than 2 properties	More than 5 properties
Community / Quality of Life	Property Access Modifications	N/A No accesses in area	N/A No accesses in area	N/A No accesses in area	N/A No accesses in area	Fair Potential property access impacts on local streets with bridge and connections	Fair Likely moderate property access impacts on local streets with parking and new sidewalk	N/A No accesses in area
	Support of Local and Regional Planning and Policy Efforts	Good Consistent with recommendations in South Platte Working Group Connectivity Study for much needed improved access for pedestrians/bicyclists in the Littleton/Mineral Station parking lot	Good Consistent with City goals for regional multimodal connections as pedestrian bridge serves not only Littleton/Mineral Station patrons but also Mary Carter Greenway Trail	Good Included in City TMP and would facilitate the potential for new transit oriented development on RTD parcel	Good Included in City TMP and provides connection between the Mary Carter Greenway and Littleton/Downtown Station	Good Supported by local plans, which encourages transit oriented development at this location	Fair Supported by Sheridan Comprehensive plan, which encourages transit oriented development at this location, but Englewood concern with property impacts in constrained area	Good
				8			-	

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Category	Evaluation Criteria	M15 Littleton/Mineral Station Parking Lot Path	M16 Mineral Sidewalk and Pedestrian Bridge Widening	M17 Structured Parking at Littleton/Mineral Station	M18 Littleton/Downtown Connection Improvements	M19 Oxford-Sheridan Station Pedestrian/Bicycle Bridge	M20 Oxford-Sheridan Station Additional Parking and Sidewalk (east side)	M21 Broadway Station Bridge over Railroad
Environmental Resources	Potential Environmental Resource Impacts	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Fair	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good
	Potential Social and Built Environment Impacts	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Goc	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Goo	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Env Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair 🚫	Fair Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Poor Env Justice: Good Hazardous Materials: Fair Historic Resources: Poor Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair 🚫
Constructability	Ease of Implementation	Good Path relatively easy construction with minimal approval process required	Fair Moderate design complexities with station impacts and Santa Fe traffic impacts for bridge construction	Fair Relatively typical construction, but moderate design complexities with additional study and impacts to station during construction	Good Relatively easy construction with minimal approval process required	Poor Moderate design complexities with connections to station, substantial property owner coordination for ROW and site impacts, and construction requires bridge placement over Santa Fe	Poor Prolonged process for additional study and outreach needed to identify parking location and connections, plus substantial property owner coordination required for ROW and site impacts, including access any parking impacts	Poor Prolonged process for railroad approvals, in addition to substantial property owner coordination required for ROW and site impacts
	Ability to Implement as Standalone Project	Good Path construction may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Pedestrian/bicyclist bridge and connections may be constructed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Poor Structured parking may be constructed as separate project from other corridor improvements, but relatively major investment	Good Path improvements may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Fair Pedestrian/bicyclist bridge and connections may be constructed as separate project from other corridor improvements with multimodal benefits and relatively moderate investment due to ROW, funded with local grant programs	Fair Parking and sidewalk may be constructed as separate project from other corridor improvements, but with limited operational benefits and moderate investment due to ROW and limited funding opportunities outside redevelopment	Fair Pedestrian/bicyclist bridge and connections may be constructed as separate project from other corridor improvements with multimodal benefits, but relatively moderate investment with limited funding opportunities outside property development
RE	SULT	CARRIED FORWARD	CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD	FUTURE ACTION	FUTURE ACTION	FUTURE ACTION
NOTES				Additional study, coordination, and major funding investment anticipated to be outside near-term timeframe		Extensive outreach, property owner coordination, and potential site impacts with moderate funding investment anticipated to be outside near- term timeframe	Additional study, coordination, and design to identify location and property impacts/benefits and moderate funding investment anticipated to be outside near- term timeframe	Location, design, and future property impacts/benefits unknown, but may be considered with private development

Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts

Multimodal Infrastructure – Additional North-South Bicycle Capacity along Corridor

Category	Evaluation Criteria	M22 Mary Carter Greenway Trail Bridge Expansion	M23 Community Trail Extension to Mineral	M24 Prince St Bike Lanes	M25 Mary Carter Greenway Trail Bridge Expansion	M26 Mary Carter Greenway Trail Widening at Oxford	M27 South Platte River Dr Bike Lanes	M28 Mary Carter Greenway Trail Bridge near Jewell
Safety	Relative Level of Conflict – Pedestrians/ Bicyclists	near Mineral Neutral No change from No Action with separation from vehicular traffic	Fair Depending on alignment, new trail provides minor reduction in vehicular, pedestrian, and bicyclist conflicts with Santa Fe traffic by providing a	Fair New bike lanes reduce bicyclist conflicts along Prince	Neutral No change from No Action with separation from vehicular traffic	Fair Improved facility for pedestrians/bicyclists has potential to reduce conflicts with Santa Fe traffic	Fair Improved facility for pedestrians/bicyclists has potential to reduce conflicts with Santa Fe traffic	Neutral No change from No Action wit separation from vehicular traff
		•	separated facility	-	-	-	•	C
	Enhanced Walking and Biking Crossings	N/A No crossings with Santa Fe	N/A No crossings with Santa Fe	Fair New biking connection to signalized crossing of Santa Fe	N/A No crossings with Santa Fe	N/A No crossings with Santa Fe	N/A No crossings with Santa Fe	N/A No crossings with Santa Fe
Multimodal Connections	Expansion of Biking Opportunities	Fair Bridge expansion provides improved trail	Good New pedestrian/bicyclist facility provides major improvement to biking connection	Good New facility provides moderate improvement to biking connection	Fair Bridge expansion provides improved trail	Fair Trail expansion provides minor improvement	Good New facility provides moderate improvement to biking connection	Fair Grade separation enhances opportunities for connections t area trails and crossing the South Platte River
	Optimized Transit Use	Fair Improved trail bridge provides minor improvements for access to Littleton/Mineral Station	Good New bicycle/pedestrian connection provides moderate improvements for access to Littleton/Mineral Station	Good New biking facility provides connection for moderate improvements to multimodal access to bus stops on Prince	N/A No bus route and no LRT station in area	N/A No bus route and no LRT station in area	Good New biking facility provides connection for moderate improvements to multimodal access to bus stops on Dartmouth	N/A No bus route and no LRT station in area
	Property Impacts	0 properties	Multiple properties (alignment undefined)	Multiple properties (if on- street parking is maintained)	0 properties	0 properties	3 properties	0 properties
Community / Quality of Life	Property Access Modifications	N/A No accesses in area	Fair Potential for moderate property access impacts, depending on alignment and facility type	Good No property access changes	N/A No accesses in area	N/A No accesses in area	Good No property access changes	N/A No accesses in area
	Support of Local and Regional Planning and Policy Efforts	Good Frequently utilized bridge currently provides limited access and sight distance	Fair Consistent with long-range planning to provide improved connectivity through the community, but has limitations due to	Good Included in City TMP and would fill a gap in the bike lane network, while improving accessibility to downtown	Good Frequently utilized bridge currently provides limited access and sight distance	Good Consistent with recommendations for additional capacity in the South Platte Connections Study	Good	Good
			available ROW					•

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Category	Evaluation Criteria	M22 Mary Carter Greenway Trail Bridge Expansion near Mineral	M23 Community Trail Extension to Mineral	M24 Prince St Bike Lanes	M25 Mary Carter Greenway Trail Bridge Expansion near Bowles	M26 Mary Carter Greenway Trail Widening at Oxford	M27 South Platte River Dr Bike Lanes	M28 Mary Carter Greenway Trail Bridge near Jewell
Environmental Resources	Potential Environmental Resource Impacts	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Good	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Fair	Good Air Quality: N/A Wetlands & Waters of the US: Good Noise: N/A Floodplains: Fair	Fair Air Quality: N/A Wetlands & Waters of the US: Fair Noise: N/A Floodplains: Fair
	Potential Social and Built Environment Impacts	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Env Justice: Good Hazardous Materials: Good Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair	Good Env Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Good Env Justice: Good Hazardous Materials: Fair Historic Resources: Good Recreational 4(f)/6(f): Good Visual/Aesthetics: Good	Fair Env Justice: Good Hazardous Materials: Fair Historic Resources: Fair Recreational 4(f)/6(f): Good Visual/Aesthetics: Fair
Constructability	Ease of Implementation	Good Relatively typical construction with moderate approval process required for environmental permitting	Poor Prolonged process for additional study, design, and outreach to identify new alignment and facility type with substantial property owner coordination required for ROW impacts	Good Mostly signing and striping modifications with minimal roadway construction and impacts	Good Relatively typical construction with moderate approval process required for environmental permitting	Good Relatively typical construction with moderate study and approval process	Good Mostly signing and striping modifications with minimal roadway construction and impacts	Fair Relatively typical construction, but with moderate property owner coordination required for ROW impacts and potential construction impacts to area roadways
	Ability to Implement as Standalone Project	Good Path improvements may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Fair Trail may be completed as separate project from other corridor improvements with multimodal benefits, but relatively moderate investment due to study and ROW, funded with local grant programs	Good Bike lanes may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Pedestrian/bicyclist bridge expansion may be constructed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Path improvements may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Bike lanes may be completed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs	Good Pedestrian/bicyclist bridge may be constructed as separate project from other corridor improvements with multimodal benefits and relatively small investment, funded with local grant programs
RESULT		CARRIED FORWARD	FUTURE ACTION	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD	CARRIED FORWARD
N	OTES		Location, design, and future property impacts/benefits unknown and study and outreach anticipated to be outside near-term timeframe					

Good – Comparatively positive, moderate or major benefits and/or minor impacts

Fair or Neutral – Comparatively neutral, minor benefits, and/or moderate impacts



LEVEL 2A OPTIONS – RESULTS

General Corridor Classifications and Cross-Sections

FUTURE ACTION

- **R1.** Expressway Conversion of HOV to General Purpose and Extended Lanes Bowles to C-470
- R2. Expressway Enhanced Managed Lane (at-grade at intersections) I-25 to C-470
- R3. Expressway Enhanced Managed Lane (grade-separated at intersections) I-25 to C-470

NOT RECOMMENDED

• R4. Freeway – Managed Lanes and Existing General Purpose Lanes

Spot Locations

CARRIED FORWARD

- **R8.** Access Consolidation of Brewery Lane and Angelo's access
- **R10.** Add New West Side Frontage Road south of Weaver Avenue via Vinewood extension
- R11. Add New West Side Frontage Road Weaver Avenue to Church Avenue
- R14. Add New West Side Frontage Road Belleview to Oxford
- **R15.** Add New West Side Frontage Road Dartmouth to Harvard
- R20. Extend Southbound Lane I-25 to Florida

FUTURE ACTION

- **R5.** South Platte River Parkway Extension south of Mineral (with redevelopment)
- **R6.** Four-Lane Freeway Mineral to Bowles
- R9. Additional Connection Vinewood to Brewery Lane (with redevelopment)
- R13. Downtown Littleton Depressed Freeway
- R19. Add New Collector-Distributor N of Florida

NOT RECOMMENDED

- **R7.** Aspen Grove Enhanced Access
- **R12.** Downtown Littleton Arterial
- **R16.** Improved South Platte River Drive
- R17. Realigned Santa Fe Drive to East of Platte River
- R18. Arterial North of Florida

Intersections/Interchanges

CARRIED FORWARD

Mineral Avenue Signal

• **I1.** Quadrant Road Intersection (southwest corner or southwest and northwest corner)

Aspen Grove Way Signal

- **I3.** Channelized T Intersection
- I4. Channelized T with SB Grade Separation

Brewery Lane Signal

- **I6.** Channelized T Intersection
- **I7.** Channelized T with SB Grade Separation

Church Avenue Signal

- **I9**. Channelized T Close West Leg
- **I10.** Quadrant Road Intersection (SE corner)

Bowles Avenue Signal

- **I12.** CFI
- I13. Quadrant Road Intersection (NW corner)

Crestline Unsignalized

- I16. Close Access
- **I17.** Improved Right-in/Right-out Access

Prince Street Signal

- **I21.** Additional Lanes (NB and EB/WB)
- **I22.** Remove Lefts, Routed via Belleview

Belleview Interchange

• **I24.** Interchange Reconstruction (considering pedestrians across Santa Fe Drive)

Union Avenue Signal

- **I25.** Channelized T Intersection
- **I26.** Channelized T with SB Grade Separation

Oxford Avenue Signal

- **I27.** NB/SB Lefts CFI
- 128. Quadrant Road Intersection (southwest corner)
- **I29.** Tight Diamond Interchange (southbound button hook ramps)

Hampden Avenue Interchange

- I30. Tight Diamond/DDI/SPUI
- **I31.** Folded Diamond West

Dartmouth Avenue Signal

- **I32.** Additional Lanes through Intersection (northbound/southbound)
- I33. Quadrant Road Intersection (southwest and northwest corner)
- **I34.** CFI

Evans Avenue Interchange

• I36. Interchange Reconstruction for Pedestrians (across Santa Fe Drive)

Jewell Avenue Unsignalized

- I37. Close Access
- **I38.** Convert to Right-out Only (channelized to Evans Avenue off ramp)
- **I39.** Convert to Right-in Only

Iowa Avenue Signal

• I40. Channelized T Intersection

Florida Avenue Signal

• I42. Offset T Intersections – close east leg at Florida and operate with Iowa as offset T

Mississippi Avenue Signal

• **I45.** Quadrant Road Intersection (southeast and northwest corner)

Kentucky Avenue Signal (new signal in No Action)

• **I48.** Channelized T Intersection

FUTURE ACTION

Mineral Avenue Signal

• **I2.** Tight Diamond/Single Point Urban Interchange (SPUI)

Bowles Avenue Signal

• **I14.** Folded Diamond West Interchange

Prince Street Signal

- **I18.** Grade Separation with Belleview Diamond
- **I19.** Split Diamond Interchange with Belleview

Belleview Interchange

• I23. Add U-turns in Interchange

Dartmouth Avenue Signal

• 135. Interchange

Iowa Avenue Signal

• **I41.** Channelized T with NB Grade Separation

Florida Avenue Signal

- 143. Interchange Iowa closure with connections
- **I44.** Interchange with Extension to roadway (and Iowa closure with connections)

Mississippi Avenue Signal

- **I46.** Quadrant Road Intersection with Grade Separation
- I47. Tight Diamond/Diverging Diamond Interchange (DDI)/SPUI

NOT RECOMMENDED

Aspen Grove Way Signal

• **I5.** NB Left CFI

Brewery Lane Signal

• I8. NB Left CFI

Church Avenue Signal

• **I11**. Quadrant Road Intersection with Sumner

Bowles Avenue Signal

• **I15.** Quadrant Road Intersection with left turns at Prince and Church

Prince Street Signal

• **I20.** Convert to Right-in/Right-out (remove signal)

Multimodal Infrastructure

CARRIED FORWARD

Pedestrian/Bicyclist Grade Separation

- M1. C-470 Interchange Improved N/S Crossing
- M2. Englewood Station Bridge
- M3. Iliff Ave Bridge

Improved Connections to Parallel Trail Facilities

- M4. Lee Gulch Trail Paving
- M5. Littleton Community Trail Paving
- M6. Santa Fe Drive Sidewalk Gaps
- M7. Bowles Connection to Mary Carter Greenway Trail
- M8. Trail Connection at Crestline
- M9. Belleview Avenue Sidewalk
- M10. Oxford Avenue Sidewalk
- M11. Oxford Avenue Bike Lanes
- M12. Hampden Avenue Path
- M13. Little Dry Creek Widening
- M14. Improved Mississippi Connection to Platte River Trail

Improved Connections to Transit

- M15. Littleton/Mineral Station Parking Lot Path
- M16. Mineral Sidewalk and Pedestrian Bridge Widening
- M18. Littleton/Downtown Connection Improvements

Additional North-South Bicycle Capacity along Corridor

- M22. Mary Carter Greenway Trail Bridge Expansion near Mineral Avenue
- M24. Prince Street Bike Lanes
- M25. Mary Carter Greenway Trail Bridge Expansion near Bowles Avenue
- M26. Mary Carter Greenway Trail Widening at Oxford
- M27. South Platte River Drive Bike Lanes
- M28. Mary Carter Greenway Trail Bridge near Jewell Avenue

FUTURE ACTION

Improved Connections to Transit

- M17. Structured parking at Littleton/Mineral Station
- M19. Oxford-Sheridan Station Bicycle/Pedestrian Bridge
- M20. Oxford-Sheridan Station Additional Parking and Sidewalk (east side)
- M21. Broadway Station Bridge Over Railroad (with development)

Additional North-South Bicycle Capacity along Corridor

• M23. Community Trail Extension to Mineral Avenue