

APPENDIX A

2019-21 VISION ZERO ACTION PLAN PROGRESS SUMMARY

2019-21 Vision Zero Action Plan Status Summary

Green - met or on track to meet target
Yellow - stable but not on track to meet target
Red - not on track to meet target

ELIMINATE CRASHES RESULTING IN SERIOUS INJURIES AND FATALITIES (OBJECTIVE #1)

Action	Timeframe	Partners	Performance Metrics	Status
Implement specific countermeasures at high crash locations (peds, bikes, vehicles)	Ongoing	Transportation, PD	% of intersections addressed on an annual basis Target: 45 intersections with specific mitigation identified for implementation	Active deployment of changes in left-turn phasing, LPIs, and signing/markings to mitigate crashes. Delivered capital projects and secured funding for future capital projects.
Continue to pursue federal funding for and construct Highway Safety Improvement Program projects	Ongoing	Transportation	# of projects funded and completed Target: 3 projects per funding cycle	Staff has secured HSIP funding for safety projects. We do need to actively keep projects on the shelf for when future HSIP grants are solicited.
Proactively implement new signal timing practices at identified intersections to improve pedestrian, bicyclist, and driver safety (e.g., pedestrian head-start/ leading pedestrian interval (LPI), no right turn on red (to develop standard), and left turn phasing)	Ongoing	Transportation	% of intersections addressed on an annual basis Target: 50 intersections identified for changes in left turn phasing. 20 intersections identified for pedestrian head-start/leading pedestrian interval (LPI)	Staff has been ambitiously implementing changes to left-turn phasing and deploying LPIs. Staff also makes signal timing adjustments based on day-to-day operations and other highlighted safety concerns.
Always employ proven effective, safe, and innovative intersection and corridor designs to improve safety for all modes (e.g., protected bike lanes/intersections and quick-build solutions)	Ongoing	Transportation	# of projects funded and constructed featuring innovative design aspects on an annual basis	Staff continues to investigate and deploy industry best practices for intersection and corridor projects, including experimenting with quick-build solutions. Our Design & Construction Standards update plans align with this goal.
Continue and enhance pedestrian, bicyclist, and driver safety education outreach on types of severe injury crashes through existing and future multimedia campaigns and include topics on dangerous effects of speeding, impaired, and distracted traveling.	Ongoing	Transportation	# of people reached through outreach events and social media engagement on an annual basis	When COVID-19 hit, most of the city's messaging was related to the global pandemic. We paused our primary outreach campaigns like Heads Up Boulder and Lighten Up Boulder. Staff did social media and press releases: e-scooter, impairment, inclement weather, which wheels go where, on a quarterly basis.
Update the city's Design and Construction Standards and Pedestrian Crossing Treatment Guidelines to reflect best practices to improve safety	2019-2020	Transportation, PD	Revised standards and guidelines	Last update of Design & Construction Standards was completed in 2020. There is also an ongoing update to the Design & Construction Standards, which is being completed in phases pending staff capacity. Pedestrian Crossing Treatment Guidelines have not been updated.
Proactively install green pavement markings in advance and through select intersections to improve bicycle safety	Ongoing	Transportation	# of intersections mitigated on an annual basis	Green pavement markings have been deployed along corridors and other specific locations around town with similar contexts. Staff has also deployed green pavement markings more liberally as part of projects/programs.
Install signing and markings to mitigate crashes involving bicyclists and pedestrians on multi-use path system	2019	Transportation	# of locations of signing and markings installed along multi-use path network on an annual basis	Signing continues to meet city practices. Staff continues to investigate new practices that are more effective at mitigating crashes with bicyclists/pedestrians on multi-use paths.
Improve routine facility maintenance for all modes, particularly pedestrians and bicycles, such as crosswalks and bike lanes	Ongoing	Transportation, COMM	# of complaints reduced on an annual basis from 2018 baseline	Street maintenance continues to investigate and deploy better snow/ice removal. A larger discussion needs to take place as staff is implementing many new bike/ped facilities that will need additional resources to maintain, especially during snow events.
Require Bicycle Friendly Driver education to drivers of city, county, and Via fleet vehicles	2019-2020		# of classes provided and # of participants attended on an annual basis	Courses are offered, but cannot tell if they are required for Boulder fleet drivers.
Identify and enforce specific unsafe travel behaviors at problem locations	Ongoing	Transportation, PD	# of warnings and citations on an annual basis	Officers assigned to diversified tasks/duties other than traffic. When officer time is available enforcement occurs.

Develop and Implement Speed Management Plan/Program to decrease travel speeds on arterial roadways (e.g., Summer Workshop w/FHWA, CDOT, Boulder, Denver, and Fort Collins)	2019-2021	Transportation, PD, VZCP	# of collectors and arterials addressed on an annual basis	Staff delivered the Neighborhood Speed Management Program for several years before it was paused by Council in Q1 2022. NSMP was focused on local/residential streets, not arterials. Staff did get a grant to establish a speed limit/setting framework for collectors and arterial roadways, including creating policy about design speed for capital projects. This effort is planned to begin in 2023.
Replace existing identified signed school zones with school zone flashing beacon displays	2019 – plan 2020-21 – implement	Transportation, PD	# of school zones identified % of school zones modified # of citations and warnings issued in school zones on an annual basis	Staff has not made progress on this goal, primarily due to staff capacity and funding.
Strategically deploy photo radar van along high-speed corridors	Ongoing	Transportation, PD	# of locations, # of citations on an annual basis Reduction in number of speeding vehicles	Staff continues to deploy the photo radar van at strategic locations, including actively reviewing new locations. There is legislation that does not allow the van to be placed along high-speed corridors.
Expand the number of red-light camera locations	Ongoing	Transportation, PD	# of locations identified % of locations implemented on an annual basis	Broadway/Pine St, Arapahoe Ave/Foothills Pkwy, 47th St/SH119
Cross-promote “safe ride home” programs with CU Boulder and local establishments that serve alcohol while implementing policies for ride hailing services to not block travel lanes (Curbside Management Plan)	Ongoing	Transportation, CU	# of people reached through outreach events and social media engagement	Staff has not made progress on this goal.
Increase patrols and enforcement along corridors that experience impaired related crashes.	2019	Transportation, PD	Location and # of issued summons on an annual basis	Fewer DUI arrests; reports are down. No dedicated DUI officer (due to low-volume calls). Sentiment that fewer people are driving under the influence.
PD to dedicate one staff and patrol car to enforcing DUI-related offenses Thursday through Saturday from 7:00 p.m. – 5:00 a.m.	2019	Transportation, PD	Overall # of DUI arrests on an annual basis	See above - include statistics for all three areas.

REDUCE OTHER TYPES OF CRASHES (OBJECTIVE #2)

<i>Action</i>	<i>Timeframe</i>	<i>Partners</i>	<i>Performance Metrics</i>	<i>Status</i>
Support state legislation to improve travel safety, including the Vulnerable User Law, lower BAC (DUI) levels, unmanned speed camera installations, red-light-camera operations, and propose local “hands free mobile device” ordinance	Ongoing	CAO, CMO	# of state and local ordinance proposed and passed annually	Staff continues to support legislation that would move our Vision Zero program forward. This includes testifying for the continued use of photo red light cameras and general coordination with the city’s legislative liaison.
Deliver enforcement campaigns aimed at reducing distracted driving	Ongoing	Transportation, PD, COMM	# of citations on an annual basis	Distracted driving campaigns (2): writing tickets to people driving while texting. This is also documented as part of a crash, including statistics. Transportation stall also promoted safety messaging via social media.
Implement school safety programs (SRTS) and identify projects and funding to improve walk/bike infrastructure near schools and explore driver’s education requirement for high school students	Ongoing	Transportation, BVSD	# of people reached through outreach events and social media engagement # of projects funded for construction	Lehigh Corridor Improvements are completed. Manhattan MiddleSchool application to be submitted for '23. Not sure about driver's education requirements for HS students.
Review and address school bus stop operations relative to child safety with BVSD	Ongoing	Transportation, BVSD	# of modifications performed on an annual basis	Ongoing efforts and coordination with staff, community members, and BVSD.
Provide travel safety education to 18- to 24-year-olds in conjunction with CU Boulder	Ongoing	Transportation, COMM, CU	# of people reached through outreach events and social media engagement on an annual basis	Shared micromobility program with CU Boulder.
Work with Senior Centers/housing developments and children of aging adults to provide senior travel safety education	Ongoing	Transportation, VZCP	# of people reached through outreach events and social media engagement on an annual basis	Staff has not made progress on this goal.
Continue implementation of Neighborhood Speed Management Program, including a potential reduction of vehicle speeds to 20 mph	Ongoing	Transportation, PD, COMM,	# of streets graduated from NSMP Reduced # of speeding vehicles	Per Boulder website, Neighborhood Speed Management Program is paused. 20 mph residential street speed limit was implemented.
Examine, refine, and implement right-turn bypass signing and marking standards	2020	Transportation	# of bypass intersections modified in 2020-21	Ongoing effort. Recently worked with CDOT to update signing in their jurisdiction.

Provide education and enforcement campaign related to motorcycle travel	Ongoing	Transportation, COMM, PD	# of people reached through outreach events and social media engagement	Item is vague - motorcycle travel is enforced just the same as motor vehicles, rules of the road, etc. Reinforcing to drivers that motorcycles are hard to see (intended focus of campaign). Transportation reused CDOT's safety information and motorcyclists via social media.
Provide education regarding other types of crashes and avoidance techniques for all modes, including vehicular cycling techniques (e.g., taking the lane)	Ongoing	Transportation, COMM	# of people reached through outreach events and social media engagement	Created short videos that we have been messaging about top types of crashes. They live on the city's Vision Zero website and are share periodically via social media.

IMPROVE TRAVEL COMFORT AND SECURITY (OBJECTIVE #3)

Action	Timeframe	Partners	Performance Metrics	Status
Implement Low-Stress Walk and Bike Network Plan, including a potential reduction of 20 mph vehicle speeds on Neighborhood GreenStreets while utilizing innovative, quick-build techniques to achieve lower traffic stress levels	Ongoing	Transportation	# of corridors/miles Low-Stress Routes installed on an annual basis (e.g., protected bike lanes, buffered bike lanes, and neighborhood greenways)	Table Mesa, Lehigh, Pine, Folsom, 17th, Neighborhood GreenStreets, and CAN. Implemented 20 is Plenty in 2020. Vision Zero Innovations Program focused on quick-build and low-cost safety improvements. In Q1/2022, Council directed staff to pause the implementation of GreenStreets to focus on the Core Arterial Network.
Implement longer pedestrian crossing count-down times at select intersections identified as high-stress by community members	Ongoing	Transportation	# of intersections reviewed and modified on an annual basis	Staff has not made progress on this goal.
Assist community members with route planning guidance to access and navigate Boulder's existing low-stress network	Ongoing	Transportation, VZCP	# of engaged community members through one-on-one contact, special events and website visits	Staff is always a resource, but have generally relied on Community Cycles who have a great program for this.
Develop and implement cycling and walking groups to encourage children to walk and/or bike to school	2019	Transportation, BVSD	# of organized groups	There are walk to school, bike to school, and bike week activities planned for the 2022-2023 school year; cannot tell if specific groups have been formed.
Develop and implement a plan for multiuse path lighting at underpasses and key intersections	Ongoing	Transportation, VZCP	# of maintained underpasses on an annual basis	Iterate for each underpass, expanded the lighting to the approaches. Pedestrian scale lighting at the approaches. Fairly controversial, occupation by people experiencing homelessness. There continues to be feedback about additional pedestrian scale lighting along paths, similar to Boulder Creek at Eben G Fine.
Conduct path patrols on bicycle by PD and stewards of Shared Paths Boulder	Ongoing	Transportation, PD, VZCP	# of path stewards and patrols on an annual basis	Shared Path Boulder patrols have waned down in the last year. Officer presence on paths only if the Police Department is called to a safety issue. No routine patrols.

ENHANCE AWARENESS OF AND COMMUNITY ENGAGEMENT WITH VISION ZERO (OBJECTIVE #4)

Action	Timeframe	Partners	Performance Metrics	Status
Bolster social media engagement with proactive information on travel safety and recent actions; and respond in a timely manner to concerned community members	2019	Transportation, COMM, TAB	# of posts, responses, and impressions on an annual basis	Staff continues to respond to community members' concerns. We have not bolstered our social media accounts.
Conduct before and after questionnaire of community understanding and awareness of Vision Zero	2019 - baseline data	Transportation, COMM	Questionnaire released, # of respondents + results	Originally this was going to be done as part of the 20 is Plenty project, as "Vision Zero" is on each sign. City Council gave direction to implement only, even though the overall consensus was Vision Zero Awareness.
Research, develop, implement, and evaluate new, effective methods to reach target audiences (e.g., surveys, focus groups, testimonials)	2019-2020	Transportation, COMM, CU	Results from focus groups and other research methods	Outside of work that is being done by our Comms team (Racial Equity Framework), not aware of any specific efforts on Transportation's front.
Install signing highlighting Vision Zero logo at site of capital improvement projects	Ongoing	Transportation	# of project locations that include reference to Vision Zero	20 mph speed limit signs reference Vision Zero. Did not do any specific messaging. CU Boulder has done messaging using VMS on Regent Drive on campus.

Expand Vision Zero Community Partnership and encourage district attorney participation to explore diversion programs and higher fines associated with careless driving infractions	2019	Transportation, PD, DA, BC	# of members/participation on an annual basis # of and type of new safety initiatives involving stakeholders	Recently, Boulder County has been facilitating the community partnership meetings with involvement from county stakeholders.
Continue participation and contribution in the national Vision Zero Cities Network and share new ideas and approaches with community leaders	Ongoing	Transportation	Contribute to best practices research and participate regularly in webinars	Staff continues to contribute to the sharing of ideas/approaches with other communities. There was a large interest in the 20 is Plenty project, Vision Zero Innovations program, and our Core Arterial Network Plan.
Encourage and support leaders of nearby communities, Boulder County, and the Denver Regional Council of Governments to adopt Vision Zero plans	Ongoing	Transportation, TAB, CC	# of additional municipalities, plus Boulder County to adopt Vision Zero	No active support, but supporting regional Vision Zero messaging and programs.
Host a regional/Front Range Vision Zero Summit	2020-2021	Transportation, COMM, VZCP, TAB	Held in 2021	Complete - held in 2021 at CDOT with state and regional partners.
Explore an increase in transportation funding for Vision Zero administration, projects, and programs through TMP update	Ongoing	Transportation, CMO, TAB, CC	Annual amount dedicated to administration/projects/programs	Staff has not made progress on this goal.
Pursue additional resources through grants and partnerships to develop and fund new projects and programs	Ongoing	Transportation, COMM	# of grants and additional \$ amounts secured on an annual basis	Staff has been successful at securing grants in support of our Vision Zero program.
Develop cost-sharing opportunities with community partners, such as CU Boulder and Boulder County, to improve travel safety through projects and programs.	Ongoing	Transportation, BC, BVSD, CU, VZCP	# of \$'s contributed by community partners on an annual basis	Regional and local projects with stakeholders. Partnered with Google to provide safety messaging at CU games.

IMPROVE DATA AND BE TRANSPARENT (OBJECTIVE #5)

<i>Action</i>	<i>Timeframe</i>	<i>Partners</i>	<i>Performance Metrics</i>	<i>Status</i>
Continue to refine and improve accuracy in crash documentation	Ongoing	Transportation, PD	Refined crash data	Majority of crash data has been cleaned. Need to clean crashes annually instead of every three years.
Cross-reference police crash data with area hospital and first responder data to check for discrepancies	Ongoing	Transportation, PD, BC, VZCP	# of discrepancies discovered on an annual basis	Staff has not made progress on this goal.
Track Vision Zero Action Plan implementation and post quarterly updates to Boulder Measures Dashboard	Ongoing	Transportation, IT, TAB, CC, VZCP	Quarterly updates performed to Boulder Measures Dashboard	Staff has not made progress on this goal.
Provide quarterly progress reports to Vision Zero Community Partnership, TAB, City Council	Ongoing	Transportation, TAB, CC, VZCP	Quarterly updates provided and Transportation Report on Progress (2020)	Staff gave quarterly updates which turned into periodic updates. There is a give/take with spending time reporting what staff completed vs. implementing Vision Zero work. There is an opportunity to better track in real time the Vision Zero work that staff is completing. This could easily tie into a Vision Zero dashboard.
Conduct evaluation studies to measure effectiveness of VZ treatments and capital improvement projects	Ongoing	Transportation	Specific performance measures determined on a per project basis	Staff has conducted before/after studies for some projects. Crash summaries in the Safe Streets Report are tracking systemic safety improvements like green conflict markings.