| Part 1 Base Inform | | orma | tion | | | | |
|---|--|--|---|--|--|--|--|
| 1. | Project Title | | | Table Mesa park-n-Ride Multi-Use Path and Access Improvements | | | |
| 2. Project Start/End points or Geographic Area Provide a map with submittal, as appropriate | | | | Mesa Drive from the US 36 eastbound on-ramp to the Table Mesa n-Ride (See map at end of application) | | | |
| 3. | Project Spor | NSOr (entity that applete and be fina the project) | | City of | f Boulder | | |
| 4. | - | tact Person, Ti ber, and Email | | | t Slatter, Principal Transportation Projects Engineer, 303-441-1978, rg@bouldercolorado.gov | | |
| 5. Does this project touch CDOT Right- access RTD property, or request RTI | | | _ | • | It was provide applicable concurrence | | |
| | | | □ □ | RCOG 204 | 40 Fiscally Constrained Regional Transportation Plan (2040 FCRTP) | | |
| 6. | document(s) identifies | | ⊠ Lo plan: | cal | <u>City of Boulder Transportation Master Plan</u> , RTD First Last Mile Plan p1-16 (provided at end of this application) | | |
| | | | □ Of | ther(s): | | | |
| | | | | e link to document/s and referenced page number if possible, or provide documentation ubmittal | | | |
| 7. | Identify the | project's key 6 | | | Cue de Consustion | | |
| | □ Rapid Transit Capacity (2040) □ Transit Other: mobility hub feee □ Bicycle Facility □ Pedestrian Facility □ Safety Improvements □ Roadway Capacity or Managee (2040 FCRTP) □ Roadway Operational | | atures d Lanes | Grade Separation Roadway Railway Bicycle Pedestrian Roadway Pavement Reconstruction/Rehab Bridge Replace/Reconstruct/Rehab Study Design Transportation Technology Components Other: new bicycle/pedestrian bridge | | | |
| 8. | | | | | | | |



View of the south side of Table Mesa Drive looking east at Table Mesa park-n-Ride

The park-n-Ride is located on the southern end of Boulder, connected to US 36, SH 157/Foothills Parkway and South Boulder Road which are all identified corridors on the DRCOG regional transportation system map. This station is one of the busiest locations in the RTD system accommodating over 375 bus arrivals per day and 824 parking spaces. The station currently serves two local and eight regional transit routes. More than 1,500 passengers board and alight buses at this location every day. The US 36 Flatirons Flyer Bus Rapid Transit (BRT) improvements are projected to nearly double the amount of boardings at this location over the next 20 years with no increase in the amount of available park-n-Ride spaces.

Many current transit users, as well as new ones, will be accessing the park-n-Ride by bicycling or walking to the facility. Interest in accessing the station by electric vehicle or use of a shared mobility service is also increasing.

The proposed project will construct a multi-use path along the south side of Table Mesa Drive creating a facility that is separate and raised from the roadway lanes. The multi-use path will improve the walking and bicycling conditions for residents, employees and visitors by addressing travel comfort and security which is both a DRCOG Metro Vision focus area and a City of Boulder TMP Vision Zero objective of continuous safety improvement.

Mobility hub features such as an electric vehicle charging area, additional or enhance bicycle storage and information kiosks support access by various options. Signage and wayfinding, placemaking and urban design elements would be considered for installation to build upon the recently completed US 36 First and Final Mile signage and wayfinding project.

This project will help to expand options for current and future bicyclists and pedestrians by installing a bicycling and walking facility designed to accommodate a range of ages and abilities. Provision of these expanded options and safety improvement is intended to lead to shifts from single occupant vehicle (SOV) travel which helps to support the City of Boulder TMP goals of reduced VMT, reduced SOV travel and GhG emissions and a reduction in daily resident and non-resident VMT.

| Th | The conceptual plans and project cost estimate are included as an attachment to this application. | | | | | |
|-----|--|-------------------------------------|--|--|--|--|
| 9. | Define the scope and specific elements of the project. This project will construct a 10 foot-wide multi-use path for bi-directional eastbound to the Table Mesa park-n-Ride and mobility hub features and f | · | | | | |
| 10 | What is the status of the proposed project? This project is in the conceptual plan development phase. | | | | | |
| 11. | Would a smaller DRCOG-allocated funding amount than requested be acceptable, while maintaining the original intent of the project? | ⊠ Yes □ No | | | | |
| | If yes, define smaller meaningful limits, size, service level, phases, or scope This project includes pavement and bridge approach reconstruction, some future. The minimum federal funding amount that would be beneficial is | e of which could be deferred to the | | | | |
| ^ | Dualitat Financial Information and Funding Democrat | | | | | |

A. Project Financial Information and Funding Request

| 1. Total Project Cost | \$5,500,000 | |
|---|---------------------------|---|
| 2. Total amount of DRCOG Subregional Share Funding Request | \$2,200,000 | 40% of total project cost |
| 3. Outside Funding Partners (other than DRCOG Subregional Share funds) List each funding partner and contribution amount. | \$ Contribution Amount | % of Contribution to Overall Total Project Cost |
| City of Boulder | \$3,300,000 | 60% |
| | \$ | |
| | \$ | |
| | \$ | |
| | \$ | |
| | \$ | |
| Total amount of funding provided by other funding partners (private, local, state, Regional, or federal) | \$3,300,000 | 60% |

| Funding Breakdown (yea | r by year)* | *The proposed funding plan is not guaranteed if the project is selected for funding. While DRCOG will do everything it can to accommodate the applicants' request, final funding will be assigned at DRCOG's discretion within fiscal constraint. Funding amounts must be provided in year of expenditure dollars using an inflation factor of 3% per year from 2019. | | | |
|------------------------|-------------|--|-----------|-------------|-------------|
| | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Total |
| Federal Funds | \$ | \$76,000 | \$304,000 | \$1,140,000 | \$2,200,000 |
| State Funds | \$ | \$ | \$ | \$ | \$0 |
| Local Funds | \$ | \$114,000 | \$456,000 | \$1,710,000 | \$3,300,000 |

| Total Funding | \$0 | \$275,000 | \$1,100,000 | \$4,125,000 | \$5,500,000 | |
|--|----------------|-----------|-------------|--------------|-------------|--|
| 4. Phase to be Initiated Choose from Design, ENV, ROW, CON, Study, Service, Equip. Purchase, Other | Choose an item | Design | Design | Construction | | |
| 5. By checking this box, the applicant's Chief Elected Official (Mayor or County Commission Chair) or City/County Manager for local governments or Agency Director or equivalent for others, has certified it allows this project request to be submitted for DRCOG-allocated funding and will | | | | | | |

follow all DRCOG policies and state and federal regulations when completing this project, if

funded.

Part 2 Evaluation Criteria, Questions, and Scoring

A. Subregional significance of proposed project

WEIGHT

40%

Provide <u>qualitative and quantitative</u> (derived from Part 3 of the application) responses to the following questions on the subregional significance of the proposed project.

1. Why is this project important to your subregion?

The Table Mesa park-n-Ride is a major hub and station for local and regional travel, located on the southern end of Boulder, connected to US 36, SH 157/Foothills Parkway and South Boulder Road. This station is one of the busiest locations in the RTD system serving two local and eight regional transit routes which connect the urban centers along the US36 corridor with the 3 urban centers within the City of Boulder including downtown Boulder, University of Colorado and Central Boulder. More than 1,500 passengers board and alight buses at this location every day. The station accommodates over 375 bus arrivals per day and 824 parking spaces. The US 36 Flatirons Flyer Bus Rapid Transit (BRT) improvements are projected to nearly double the amount of boardings at this location over the next 20 years with no increase in the amount of available park-n-Ride spaces.

Many current transit users, as well as new ones, will be accessing the park-n-Ride by bicycling or walking to the facility. Table Mesa Drive is a four-lane roadway with a posted speed limit of 35 mph, 5 foot wide attached sidewalks and 5 foot wide on-street bicycle lanes. Interest in accessing the station by electric vehicle or use of a shared mobility service is also increasing.

The proposed project will construct a multi-use path along the south side of Table Mesa Drive creating a facility that is separate and raised from the roadway lanes. The multi-use path will improve the walking and bicycling conditions for residents, employees and visitors addressing travel comfort and security which supports the city's transportation master plan (TMP) Vision Zero safety objective. This project will help to expand options for current and future bicyclists and pedestrians by installing a bicycling and walking facility designed to accommodate a range of ages and abilities. Provision of these expanded options and safety improvement is intended to lead to shifts from single occupant vehicle (SOV) travel which helps to support the TMP goals of reduced VMT, reduced SOV travel and GhG emissions and a reduction in daily resident and non-resident VMT.

Mobility hub features such as an electric vehicle charging area, additional or enhance bicycle storage and information kiosks support access by various options. Signage and wayfinding, placemaking and urban design elements would be considered for installation to build upon the recently completed US 36 First and Final Mile signage and wayfinding project.





- 2. Does the proposed project cross and/or benefit multiple municipalities? If yes, which ones and how?

 Yes, this project would enhance first and final mile access to the major transit hub which connects transit users from multiple municipalities throughout the subregion as well as US 36 corridor urban centers, downtown Louisville urban center and the University of Colorado, downtown Boulder and central Boulder urban centers.
- 3. Does the proposed project cross and/or benefit another **subregion(s)**? If yes, which ones and how?

 Yes, the first and final mile access improvements benefits users of regional transit service which benefits other subregions including the City and County of Denver, City and County of Broomfield, Adams and Jefferson counties.
- **4.** How will the proposed project address the specific transportation problem described in the **Problem Statement** (as submitted in Part 1, #8)?

The Table Mesa park-n-Ride is a major hub and station for local and regional travel. It is one of the busiest locations in the RTD system accommodating over 375 bus arrivals per day serving and more than 1,500 passengers boarding and alighting buses there each day. The US 36 Flatirons Flyer Bus Rapid Transit (BRT) improvements are projected to nearly double the amount of boardings at this location over the next 20 years with no increase in the amount of available 824 park-n-Ride spaces. Many current transit users, as well as new ones, will be accessing the park-n-Ride by bicycling or walking to the facility and interest in accessing the station by electric vehicle or use of a shared mobility service is also increasing.

The proposed project will construct a multi-use path along the south side of Table Mesa Drive creating a facility that is separate and raised from the roadway lanes. The multi-use path will improve walking and bicycling travel comfort and security for transit riders accessing the station as well as the 29,000 residents and employees in the surrounding 1-mile area.

The multi-use path and mobility hub features will support the first and final mile access to Table Mesa park-n-Ride to meet current and anticipated demand for use of this major transit hub.

5. One foundation of a sustainable and resilient economy is physical infrastructure and transportation. How will the **completed** project allow people and businesses to thrive and prosper?

The Table Mesa park-n-Ride project supports thriving and properous business and quality of life with improved first and final mile access improvements. The multi-use path provides a safer and more comfortable walking and bicycling facility designed for a wider range of users and mobility hub features will support access from shared mobility services and electric vehicles. The increased access and connections for travel modes benefits local businesses through improved transportation for residents, customers, services and employees. As evidenced by the past federal stimulus efforts, construction of transportation infrastructure is considered a good mechanism for stimulating local economies through the creation of direct construction jobs and supporting positions and the purchases of goods and services.

6. How will connectivity to different travel modes be improved by the proposed project?

The mobility hub features and multi-use path will improve multimodal access to the facility which currently receive 1,500 daily boardings and alightings for the 2 regional and 8 local transit routes providing service to the Table Mesa park-n-Ride location.

7. Describe funding and/or project partnerships (other subregions, regional agencies, municipalities, private, etc.) established in association with this project.

The City of Boulder, RTD, and Commuting Solutions have been working to make first and final mile improvements to the Table Mesa park-n-Ride. A concurrence form from RTD has been submitted and the city and RTD will work together on the final designs.

| В. | DRCOG Board-approved Metro Vision TIP Focus Areas | WEIGHT | 30% | | | | |
|----|---|--|---|--|--|--|--|
| | Provide <u>qualitative and quantitative</u> (derived from Part 3 of the application) responses to the on how the proposed project addresses the three DRCOG Board-approved Focus Areas (in bo | • | questions | | | | |
| 1. | Describe how the project will improve mobility infrastructure and services for vulnerable point improved transportation access to health services). | pulations (| (including | | | | |
| | Vulnerable populations disproportionately rely on transit service for mobility. For people in the region entirely or mostly dependent on transit for mobility, those using the Table Mesa park-n-Ride as their primary access point would experience the most direct benefits from the project. However, many other patrons throughout the region would also experience benefits. Over 12% of the population residing within 1 mile of this project are aged 65 years old or older. Over 5% of the households within 1 mile of the project do no have a motor vehicle and 13% of the households are low-income. | | | | | | |
| 2. | Describe how the project will increase reliability of existing multimodal transportation network | ork. | | | | | |
| | Increased reliability of the existing multimodal transportation network is supported by this p the options to a wider range of current and potential users. This project will provide direct b pedestrian connections to and from regional and local transit services. | - | panding | | | | |
| 3. | Describe how the project will improve transportation safety and security. | | | | | | |
| | The multi-use path will provide a raised and protected bicycle and pedestrian facility improving travel comfort and security for users of a wider ranges of ages and abilities and supports the city's TMP Vision Zero safety objectives. | | | | | | |
| | | | | | | | |
| C. | Consistency & Contributions to Transportation-focused Metro Vision Objectives | WEIGHT | 20% | | | | |
| C. | Consistency & Contributions to Transportation-focused Metro Vision Objectives Provide <u>qualitative and quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the acceptant. Refer to the expanded Metro Vision Objective by clicking on links. | e following | items on | | | | |
| C. | Objectives Provide <u>qualitative and quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the account of the proposed project contributes to Transportation of the proposed of the application of the account of the proposed project contributes to Transportation of the account of the proposed project contributes to Transportation of the application of the account of the proposed project contributes to Transportation of the application of the account of t | e following dopted Met | items on ro Vision | | | | |
| | Objectives Provide <u>qualitative and quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the acceptant. Refer to the expanded Metro Vision Objective by clicking on links. | e following dopted Met | items on ro Vision | | | | |
| | Provide <u>qualitative</u> and <u>quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the acceptant. Refer to the expanded Metro Vision Objective by clicking on links. MV objective 2 Contain urban development in locations designated for urban growth a Will this project help focus and facilitate future growth in locations where urban-level infrastructure already exists or areas where plans for infrastructure and service expansion | e following dopted Met | items on ro Vision | | | | |
| | Provide <u>qualitative</u> and <u>quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the acceptant. Refer to the expanded Metro Vision Objective by clicking on links. MV objective 2 Contain urban development in locations designated for urban growth a Will this project help focus and facilitate future growth in locations where urban-level infrastructure already exists or areas where plans for infrastructure and service expansion are in place? | e following dopted Met nd services Yes ley Compre | items on ro Vision No Phensive in place | | | | |
| 1. | Provide <u>qualitative and quantitative</u> responses (derived from Part 3 of the application) to the how the proposed project contributes to Transportation-focused Objectives (in bold) in the applian. Refer to the expanded Metro Vision Objective by clicking on links. MV objective 2 Contain urban development in locations designated for urban growth a Will this project help focus and facilitate future growth in locations where urban-level infrastructure already exists or areas where plans for infrastructure and service expansion are in place? Describe, including supporting quantitative analysis This project is within the City of Boulder's Area 1 Planning Area, as defined Boulder in the Va Plan which fully supports growth where urban-level infrastructure already exists and/or therefor infrastructure and service expansion. Consistent with the BVCP, the urban level infrastructure | e following dopted Met nd services Yes ley Compre | items on ro Vision No Phensive in place | | | | |

| | Describe, including supporting quantitative analysis | | | | | | |
|----|---|---|--------------------|--|--|--|--|
| | | residents, employees and visitors to access regional transit service linking Benters in the metro region. | oulder with Denver | | | | |
| | MV objective 4 | Improve or expand the region's multimodal transportation system, service connections. | ces, and | | | | |
| 3. | Will this project he goods, or services? | lp increase mobility choices within and beyond your subregion for people, | ⊠ Yes □ No | | | | |
| | Describe, including | supporting quantitative analysis | | | | | |
| | The project's multi- increased transit ri | -use path and mobility hub features will support first and last mile connection dership. | ons and support | | | | |
| | MV objective 6a | Improve air quality and reduce greenhouse gas emissions. | | | | | |
| 4. | | lp reduce ground-level ozone, greenhouse gas emissions, carbon ate matter, or other air pollutants? | ⊠ Yes □ No | | | | |
| | Describe, including | supporting quantitative analysis | | | | | |
| | | rts and encourages the shift towards transit use and reduces auto trips whic house gas (GhG) emissions. | h leads to a | | | | |
| | MV objective 7b | Connect people to natural resource or recreational areas. | | | | | |
| 5. | | lp complete missing links in the regional trail and greenways network or timodal connections that increase accessibility to our region's open space | ⊠ Yes □ No | | | | |
| | | supporting quantitative analysis | | | | | |
| | | to support pedestrians bicyclists and transit users' access to the adjacent Soland nearby City of Boulder open space. | uth Boulder Creek | | | | |
| | MV objective 10 | Increase access to amenities that support healthy, active choices. | | | | | |
| 6. | Will this project ex | pand opportunities for residents to lead healthy and active lifestyles? | 🛚 Yes 🗌 No | | | | |
| | Describe, including supporting quantitative analysis Numerous studies support the health benefits of transit commuting over driving due to the associated walking portions of the transit trip. The complete multimodal transportation facilities in the area will facilitate first and last mile connections and support increased transit ridership. This project also supports existing and future transit users to access the adjacent South Boulder Creek Greenway system and other nearby City of Boulder open space properties. | | | | | | |
| | MV objective 13 | Improve access to opportunity. | | | | | |
| 7. | by promoting relial | Ip reduce critical health, education, income, and opportunity disparities ble transportation connections to key destinations and other amenities? | ⊠ Yes □ No | | | | |
| | Describe, including supporting quantitative analysis | | | | | | |

| | This project will support first and final mile access to transit at the Table Mesa park-n-Ride which provides a connection to the US 36 Flatirons Flyer BRT service and the AB Airport bus service. | | | | | |
|----|--|---|---------------------|---|--|--------|
| | MV objective 14 | Improve the region's con | npetitive position. | | | |
| 8. | Will this project help support and contribute to the growth of the subregion's economic health and vitality? Describe, including supporting quantitative analysis | | | | | No No |
| | The Table Mesa park-n-Ride Multi-Use Path and Access Improvements increases the attractiveness and usage of transit for residents, employees and visitors accessing downtown Boulder, Denver and other urban centers and employment along the US 36 corridor | | | | | • |
| D. | D. Project Leveraging WEIGHT 10% | | | | | |
| 9. | • | utside funding sources ated Subregional Share proiect have? | 60% | 60%+ outside funding 30-59% 29% and below | | Medium |

Part 3

Project Data Worksheet – Calculations and Estimates

(Complete all subsections applicable to the project)

A. Transit Use

1. Current ridership weekday boardings 0

2. Population and Employment

| Year | Population within 1 mile | Employment within 1 mile | Total Pop and Employ within 1 mile |
|------|--------------------------|--------------------------|------------------------------------|
| 2020 | 0 | 0 | 0 |
| 2040 | 0 | 0 | 0 |

| Transit Use Calculations | Year of Opening | 2040 Weekday Estimate |
|---|--------------------|--------------------------|
| 3. Enter estimated additional daily transit boardings after project is completed. (Using 50% growth above year of opening for 2040 value, unless justified) Provide supporting documentation as part of application submittal | 0 | 0 |
| 4. Enter number of the additional transit boardings (from #3 above) that were previously using a different transit route. (Example: {#3 X 25%} or other percent, if justified) | 0 | 0 |
| 5. Enter number of the new transit boardings (from #3 above) that were previously using other non-SOV modes (walk, bicycle, HOV, etc.) (Example: {#3 X 25%} or other percent, if justified) | 0 | 0 |
| 6. = Number of SOV one-way trips reduced per day $(#3 - #4 - #5)$ | 0 | 0 |
| 7. Enter the value of {#6 x 9 miles}. (= the VMT reduced per day) (Values other than the default 9 miles must be justified by sponsor; e.g., 15 miles for regional service or 6 miles for local service) | 0 | 0 |
| 8. = Number of pounds GHG emissions reduced (#7 x 0.95 lbs.) | 0 | 0 |

9. If values would be distinctly greater for weekends, describe the magnitude of difference:

10. If different values other than the suggested are used, please explain here:

B. Bicycle Use

1. Current weekday bicyclists 410

2. Population and Employment

| Year | Population within 1 mile | Employment within 1 mile | Total Pop and Employ within 1 mile |
|------|--------------------------|--------------------------|------------------------------------|
| 2020 | 23,661 | 5592 | 29,253 |
| 2040 | 23,659 | 5,768 | 29,427 |

| Bicycle Use Calculations | Year of Opening | 2040 Weekday Estimate | | | |
|--|--------------------|--------------------------|--|--|--|
| 3. Enter estimated additional weekday one-way bicycle trips on the facility after project is completed. | 31 | 314 | | | |
| 4. Enter number of the bicycle trips (in #3 above) that will be diverting from a different bicycling route. (Example: {#3 X 50%} or other percent, if justified) | 15 | 157 | | | |
| 5. = Initial number of new bicycle trips from project (#3 – #4) | 16 | 157 | | | |
| 6. Enter number of the new trips produced (from #5 above) that are replacing an SOV trip. (Example: {#5 X 30%} (or other percent, if justified) | 4 | 47 | | | |
| 7. = Number of SOV trips reduced per day (#5 - #6) | 12 | 110 | | | |
| 8. Enter the value of {#7 x 2 miles}. (= the VMT reduced per day) (Values other than 2 miles must be justified by sponsor) | 24 | 220 | | | |
| 9. = Number of pounds GHG emissions reduced (#8 x 0.95 lbs.) | 22 | 209 | | | |
| 10. If values would be distinctly greater for weekends, describe the magnitude of difference: | | | | | |
| 11. If different values other than the suggested are used, please explain | here: | | | | |

| C. Pedestrian Use | | |
|-------------------|--|-----|
| 1. | Current weekday pedestrians (include users of all non-pedaled devices) | 500 |
| 2. | Population and Employment | |

| Year | Population within 1 mile | Employment within 1 mile | Total Pop and Employ within 1 mile |
|------|--------------------------|--------------------------|------------------------------------|
| 2020 | 23,661 | 5,592 | 29,253 |
| 2040 | 23,659 | 5,768 | 29,427 |

| | Pedestrian Use Calculations | Year of Opening | 2040 Weekday Estimate |
|----|---|--------------------|--------------------------|
| 3. | Enter estimated additional weekday pedestrian one-way trips on the facility after project is completed | 12 | 125 |
| 4. | Enter number of the new pedestrian trips (in #3 above) that will be diverting from a different walking route (Example: {#3 X 50%} or other percent, if justified) | 6 | 62 |
| 5. | = Number of new trips from project (#3 – #4) | 6 | 63 |
| 6. | Enter number of the new trips produced (from #5 above) that are replacing an SOV trip. (Example: {#5 X 30%} or other percent, if justified) | 1 | 19 |
| 7. | = Number of SOV trips reduced per day (#5 - #6) | 5 | 44 |

| 12. Enter the value of {#7 x .4 miles}. (= the VMT reduced per day) (Values other than .4 miles must be justified by sponsor) | 2 | 17 | |
|--|---|----|--|
| 8. = Number of pounds GHG emissions reduced (#8 x 0.95 lbs.) | 1 | 16 | |
| 9. If values would be distinctly greater for weekends, describe the magnitude of difference: | | | |
| 10. If different values other than the suggested are used, please explain here: | | | |

D. Vulnerable Populations Vulnerable Populations Population within 1 mile 1. Persons over age 65 3,880 **Use Current** 2. Minority persons 5,428 Census Data **3.** Low-Income households 1,601 **4.** Linguistically-challenged persons 359 5. Individuals with disabilities 3,117 **6.** Households without a motor vehicle 723 **7.** Children ages 6-17 3,217 **8.** Health service facilities served by project 8

E. Travel Delay (Operational and Congestion Reduction)

Sponsor must use industry standard Highway Capacity Manual (HCM) based software programs and procedures as a basis to calculate estimated weekday travel delay benefits. DRCOG staff may be able to use the Regional Travel Model to develop estimates for certain types of large-scale projects.

| 1. Current ADT (average daily traffic volume) on applicable segments | 0 |
|--|---|
| 2. 2040 ADT estimate | 0 |
| 3. Current weekday vehicle hours of delay (VHD) (before project) | 0 |

| Travel Delay Calculations | Year of Opening |
|---|--------------------|
| 4. Enter calculated future weekday VHD (after project) | 0 |
| 5. Enter value of {#3 - #4} = Reduced VHD | 0 |
| 6. Enter value of {#5 X 1.4} = Reduced person hours of delay (Value higher than 1.4 due to high transit ridership must be justified by sponsor) | 0 |
| 7. After project peak hour congested average travel time reduction per vehicle (includes persons, transit passengers, freight, and service equipment carried by vehicles). If applicable, denote unique travel time reduction for certain types of vehicles | 0 |

8. If values would be distinctly different for weekend days or special events, describe the magnitude of difference.

9. If different values other than the suggested are used, please explain here:

F. Traffic Crash Reduction

| 1. | Provide the current number of crashes involving motor vehicles, bicyclists, and pedestrians (most recent 5-year period of data) | | |
|----|---|-----|--|
| | Fatal crashes | 0 | |
| | Serious Injury crashes | 3 | |
| | Other Injury crashes | 36 | |
| | Property Damage Only crashes | 140 | |
| 2. | Estimated reduction in crashes <u>applicable to the project scope</u> (per the five-year period used above) | | |
| | Fatal crashes reduced | 0 | |
| | Serious Injury crashes reduced | 0 | |
| | Other Injury crashes reduced | 0 | |
| | Property Damage Only crashes reduced | 0 | |

Sponsor must use industry accepted crash reduction factors (CRF) or accident modification factor (AMF) practices (e.g., NCHRP Project 17-25, NCHRP Report 617, or DiExSys methodology).

G. Facility Condition

Sponsor must use a current industry-accepted pavement condition method or system and calculate the average condition across all sections of pavement being replaced or modified.

Applicants will rate as: Excellent, Good, Fair, or Poor

Roadway Pavement

1. Current roadway pavement condition

Choose an item

- 2. Describe current pavement issues and how the project will address them.
- 3. Average Daily User Volume

0

Bicycle/Pedestrian/Other Facility

4. Current bicycle/pedestrian/other facility condition

Choose an item

- 5. Describe current condition issues and how the project will address them.
- 6. Average Daily User Volume

0

H. Bridge Improvements

- 1. Current bridge structural condition from CDOT
- 2. Describe current condition issues and how the project will address them.

| 3. | Other functional obsolescence issues to be addressed by project | |
|----|--|------------|
| 4. | Average Daily User Volume over bridge | 0 |
| I. | Other Beneficial Variables (identified and calculated by the sponsor) | |
| 1. | | |
| 2. | | |
| 3. | | |
| J. | Disbenefits or Negative Impacts (identified and calculated by the sponsor) | |
| 1. | Increase in VMT? If yes, describe scale of expected increase | ☐ Yes ☐ No |
| | | |
| 2. | Negative impact on vulnerable populations | |
| 3. | Other: | |