

TECHNICAL MEMORANDUM #5

| Date: | February 2, 2016 | Project #: 18018.0 |
|----------|---|--------------------|
| | | |
| To: | Mike Kuntz, Jackson County | |
| CC: | Allie Coates, Oregon Department of Transportation, Region 3 | |
| From: | Matthew Bell, Susan Wright, P.E., and Jenny Miner Kittelson & Associate | es, Inc. |
| Project: | Jackson County Transportation System Plan (TSP) Update | |
| Subject: | Draft Technical Memorandum #5: Alternatives Analysis | |

This memorandum identifies the transportation system alternatives developed by the project team to address the deficiencies identified in *Technical Memorandum #3: Existing Conditions* and *Technical Memorandum #4: Future Conditions*. This memorandum also identifies the evaluation criteria used to select a preferred alternative for each deficiency and set the groundwork for the development of the Jackson County Transportation System Plan (TSP) update. The alternatives include:

- Intersection Alternatives
- Safety Alternatives
- Bicycle Alternatives
- Pedestrian Alternatives
- Pedestrian and Bicycle Alternatives within UGBs
- Roadway System Classification Changes
- Freight Alternatives

These alternatives were reviewed with the Technical Advisory Committee and the Citizen Advisory Committee and evaluated based on the evaluation criteria. Ultimately a preferred alternative was selected for each deficiency as documented below. Technical Memorandum #6 identifies the preferred alternative for each deficiency along with several other alternatives developed as part of previous planning efforts throughout the County.

EVALUATION CRITERIA

Evaluation criteria were developed to assist in the selection of a preferred alternative for each deficiency described in this memorandum. The criteria address seven themes related to the TSP goals and objectives identified in Technical Memorandum #1 and discussions with County and ODOT staff.

They include mobility, safety, cost, bicycle/pedestrian, land use, Title VI/environmental justice and environmental impacts. Each criteria falls within one or more of the four TSP goals.

The alternatives evaluation criteria are designed to be qualitative and used to compare each deficiency's alternatives with each other to select the one that best fits with the goals and objectives of the plan. Table 1 presents the alternatives evaluation criteria.

| Mobility | | |
|---------------------------|---|---|
| Congestion | Will the project help relieve congestion or reduce v/c? | Yes / Unknown/ No |
| Freight | Does the project benefit freight movement or improve intermodal connectivity? | Yes / Unknown/ No |
| Travel Time | Will the project improve connectivity (i.e. fill gaps/remove barriers in a network)? | Yes / Unknown/ No |
| Safety | | |
| Identified Need | Will the project address an existing safety issue? | Yes / Unknown/ No |
| Crash Reduction | Does the project have a CMF less than 1.0? | Yes / Unknown/ No |
| Safety Conflicts | Does the project reduce conflict points between modes? | Yes / Unknown/ No |
| Cost | | |
| Cost Estimate | What is the Rough Order of Magnitude (ROM) cost estimate? | High = > \$1M Medium = \$250k - \$1M Low = < \$250k |
| Existing Funding | Is there currently funding available to complete this project? | Yes / Unknown/ No |
| Potential Funding | Is it likely that the project will leverage alternate funding or acquiring the necessary funding? | Yes / Unknown/ No |
| Bicycle/Pedestrian | | |
| Accommodating Users | Does the project incorporate more than one mode of travel? | Yes / Unknown/ No |
| Active Transportation | Does the project help encourage active transportation (walk, bike, transit)? | Yes / Unknown/ No |
| Complete Streets | Does the project embody the Complete Street principles? | Yes / Unknown/ No |
| Land Use | | |
| Economic Development | Does this project provide/improve access to an area identified for future growth? | Yes / Unknown/ No |
| Compliance | Is the project consistent with the comprehensive land use plan or with other stated land use goals? | Yes / Unknown/ No |
| Title VI and Environmenta | l Justice | |
| Neighborhood Impacts | Will the project positively impact a neighborhood located in a Title VI/EJ area? | Yes / Unknown/ No |
| Mode Choice | Will this project improve mode choice availability in a Title VI/EJ area? | Yes / Unknown/ No |
| Environmental Impacts | | |
| Environmental Impacts | Will this project avoid impacting an environmentally sensitive area? | Yes / Unknown/ No |

Table 1: Evaluation Criteria for Comparing Alternatives

v/c=volume/capacity

CMF=Crash Modification Factor

Complete Street Principles=Streets designed and operated to enable safe access for all users

EJ=Environmental Justice

Each alternative identified in this memo is evaluated using the alternatives evaluation criteria above and the results are summarized after each alternative description. Table 2 provides a sample project alternative evaluation summary. Green circles represent affirmative answers, yellow circles represent unknown or undecided answers and red circles represent negative answers to the alternatives evaluation criteria.





The maps used to evaluate the above criteria are included in the Map Atlas of Technical Memorandum #1 and include Figures 21-28.

INTERSECTION ALTERNATIVES

This section identifies the alternatives developed by the project team to address intersection deficiencies in Jackson County. Several of the alternatives identified in this section are consistent with existing plans and projects identified in the current Statewide Transportation Improvement Plan (2015-2018 STIP), the Metropolitan Transportation Improvement Program (2015-2018 MTIP), the Jackson County Capital Improvement Plan (2015 CIP), and other planning documents. These existing plans and projects are included as alternatives to ensure that they continue to represent the preferred alternative for the County.

Any alternative that impacts a State Highway or National Highway System (NHS) road and does not meet Highway Design Manual (HDM) or American Association of State Highway Transportation Officials (AASHTO) standards, respectively, must be justified and documented by means of a design exception. Generally, the Oregon Department of Transportation (ODOT) is the agency with authority to approve design exceptions; the Federal Highway Administration (FHWA) also reviews and approves design exceptions for all projects subject to Full Federal Oversight. However, Jackson County may process and approve design exceptions in some cases. On a similar note, any alternative that is inconsistent with any existing plans or projects identified in other planning documents must be justified and documented. Any alternative identified in this section, as well as the remaining sections of this memorandum, that will require a design exception or will be inconsistent with any existing plans or projects is noted.

Alternative Solutions

The following describes the low-cost alternatives (such as modifying existing signal timing plans to provide more green time to specific movements), medium-cost alternatives (such as installing new turn lanes), and high-cost alternatives (such as installing new traffic signals or roundabouts) considered to address deficiencies at the study intersections. These alternatives, however, could be considered at all County intersections that experience significant safety and/or operational issues.

Monitor

There are several locations throughout Jackson County where planned transportation improvements will impact traffic patterns in the future. Monitoring these locations can help determine if the projected deficiencies are ever realized or if the planned improvements mitigate the issue. For example, traffic patterns along OR 62, Table Rock Road, and other major north-south arterial and collector roadways will be impacted by the construction of the OR 62 Bypass. The RVMPO travel demand model shows a reduction in through traffic on OR 62 as well as an increase in turning movements at the OR 62/Vilas Road and Table Rock Road/Vilas Road intersections, which will provide access to an interchange with the by-pass in the future. Monitoring these locations can help determine if the projected deficiencies in traffic operations are ever realized or if the planned improvements mitigate the issue.

Signal Timing/Phasing Modifications

Signal retiming and optimization offers a relatively low cost option to increase system efficiency. Retiming and optimization refers to updating timing plans to better match prevailing traffic conditions and coordinating signals. Timing optimization can be applied to existing systems or may include upgrading signal technology, such as signal communication infrastructure, signal controllers, or cabinets. Signal retiming can reduce travel times and be especially beneficial to improving travel time reliability. In high pedestrian or desired pedestrian areas, signal retiming can facilitate pedestrian movements through intersections by increasing minimum green times to give pedestrians time to cross during each cycle. Signals can also facilitate bicycle movements with the inclusion of bicycle detectors.

Signal upgrades often come at a higher cost than signal timing and phasing modifications and usually require further coordination between jurisdictions. However, upgrading signals provides the opportunity to incorporate advanced signal systems to further improve the efficiency of a transportation network. Strategies include coordinated signal operations across jurisdictions, centralized control of traffic signals, adaptive or active signal control, and transit or freight signal priority. These advanced signal systems can reduce delay, travel time and the number of stops for transit, freight, and other vehicles. In addition, these systems may help reduce vehicle emissions and improve travel time reliability.

Traffic Signals

Traffic signals allow opposing streams of traffic to proceed in an alternating pattern. National and state guidance indicates when it is appropriate to install traffic signals at intersections. When used, traffic signals can effectively manage high traffic volumes, and provide dedicated times in which pedestrians and cyclists can cross roadways. Because they continuously draw from a power source and must be periodically re-timed, signals typically have higher maintenance costs than other types of intersection control. Signals can improve safety at intersections where signal warrants are met, however, they may result in an increase in rear-end crashes compared to other alternatives. Signals have a significant range in costs depending on the number of approaches, how many through and tuninr lanes each approach has, and, if it is located in an urban or rural area. The cost of a new traffic signal ranges from approximately \$250,000 in a rural area to \$350,000 in an urban area.

Roundabouts

Roundabouts are circular intersections where entering vehicles yield to vehicles already in the circle. They are designed to slow vehicle speeds to 20 to 30 mph or less before they enter the intersection, which promotes a more comfortable environment for pedestrians, bicyclists, and other non-motorized users. Roundabouts have fewer conflict-points and have been shown to reduce the severity of crashes, as compared to signalized intersections. Roundabouts can be more costly to design and install when compared to other intersection control types, but they have a lower operating and maintenance cost than traffic signals. Topography must be carefully evaluated in considering a roundabout, given that slope characteristics at an intersection may render a roundabout infeasible. The cost of a new roundabouts ranges from approximately \$1 million to \$2 million depending upon the number of lanes and the slope conditions.

Alternatives Analysis

The following identifies and compares the viable alternative solutions for each of the traffic operations deficiencies identified in previous tech memos (See *Technical Memorandum #3: Existing Conditions* and *Technical Memorandum #4: Future Conditions* for a complete list of deficiencies). The intersection control, lane configuration, and resulting operations of each alternative are shown in Figures 1 through 11 in the Map Atlas.

#1 – Hamrick Road/East Pine Street-Biddle Road

The westbound through at the Hamrick Road/East Pine Street-Biddle Road intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of opposing eastbound left-turn movements during the weekday p.m. peak hour. The following alternatives were developed to address this deficiency:

- Monitor traffic operations at the intersection following completion of the Gebhard extension and potential heavy vehicle restrictions along Hamrick Road.
- Install a second separate left-turn lane at the eastbound approach and modify signal timing/phasing to provide more green time to the westbound approach. This alternative would also require widening Hamrick Road, north of East Pine Street-Biddle Road to provide two receiving lanes. This alternative is consistent with the recommendations in the I-5 Exit 33 Interchange Area Management Plan.
- Reconstruct the intersection as a multi-lane roundabout with the northbound approach having single shared left-through-right lane; southbound with a shared left-through-right lane and an additional right lane; eastbound with exclusive left-turn lane and shared through right; and westbound with a shared left-through-right and exclusive right-turn lane.

| | l | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Lanc | l Use | Title | VI/ | Environ ment |
|----------------|------------|------------|--------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Monitor | | | | | | | \bigcirc | | | | | | \bigcirc | igodol | | \bigcirc | \bigcirc |
| Left-Turn Lane | 0 | \bigcirc | \mathbf{O} | 0 | | | | | | | | | \mathbf{O} | 0 | | igodol | \mathbf{O} |
| Roundabout | igodol | igodol | igodol | 0 | | igodol | | | | igodol | 0 | | igodol | 0 | | 0 | \bigcirc |



The monitor alternative will not improve mobility, safety, or the bike/ped environment; however, it has the least potential impact on the transportation system and the least cost. The left-turn lane alternative will improve traffic operations; however, it requires widening E Pine Street-Biddle Road and Hamrick Road. The roundabout alternative provides the greatest potential improvement to mobility, safety, and the bike/ped environment; however, it also has the highest costs.

#2 – Table Rock Road/Biddle Road

The eastbound left, northbound through and southbound through movements at the Table Rock Road/Biddle Road intersection are expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of opposing movements during the weekday p.m. peak hour. The following alternatives were developed to address these deficiencies:

- Install a second separate left-turn lane at the eastbound approach and modify signal timing/phasing to provide more green time to the northbound and southbound approaches. This alternative would also require widening Table Rock Road north of Biddle Road to provide two receiving lanes.
- Widen the south leg of Table Rock Road to a five-lane cross section. This alternative is consistent with STIP Project #18974 – Table Rock Road: I-5 to Biddle – This project involves widening the roadway to five lanes from I-5 to Biddle Road with bike lanes, sidewalks, and storm water improvements and is anticipated to provide dual northbound and southbound through lanes, but not dual eastbound left-turn lanes.

| | I | Mobilit | у | | Safety | | | Cost | | B | ike/Pe | d | Land | l Use | Title E | VI / | Environ ment |
|----------------|--------------|---------|--------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|--------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Left-Turn Lane | \mathbf{O} | igodol | \mathbf{O} | \mathbf{O} | | | | | | | | | igodol | \mathbf{O} | | \mathbf{O} | \bigcirc |
| Widening | 0 | 0 | 0 | 0 | | | | 0 | | | | | 0 | 0 | | 0 | |



The widening alternative will cost more than the left-turn lane alternative; however, a funding source has already been identified and accounted for in the STIP. It should be noted that widening the roadway to provide a separate left-turn lane or additional through lane can have a negative impact on the bike/ped environment. As the roadway gets wider, it becomes more difficult to see bicyclists traveling along the opposite side of the road and pedestrians spend more time trying to cross.

#3 – Table Rock Road/Vilas Road

The westbound left and westbound through movements at the Table Rock Road/Vilas Road intersection are expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume at the westbound approach during the weekday p.m. peak hour. The following alternatives were developed to address these deficiencies:

- Monitor traffic operations at the intersection following construction of the OR 62 Bypass to determine and potential heavy vehicles restrictions on Hamrick Road.
- Install a second separate left-turn lane and a separate right-turn lane at the westbound approach and modify signal timing/phasing.

| | | Mobilit | y | | Safety | | | Cost | | E | like/Pe | d | Land | Use | Title E | VI/ | Environ ment |
|------------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|--------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Monitor | | | | | | | \bigcirc | | | | | | \bigcirc | \mathbf{O} | | \mathbf{O} | \mathbf{O} |
| Left- and Right Turn Lane | 0 | 0 | 0 | \mathbf{O} | | | | | | | | | 0 | 0 | | \bigcirc | 0 |

Table 5: Alternative Analysis for Table Rock Road/Vilas Road

The monitor alternative will not improve mobility, safety, and the bike/ped environment; however, it has the least potential impact on the transportation system and the least cost. It is also a reasonable alternative considering the potential long-term impacts associated with the OR 62 Bypass. The left- and right-turn lane alternative will improve traffic operations and safety; however, it will not improve the bicycle and pedestrian environment.

#6 – Table Rock Road/Gregory Road

The westbound approach to the Table Rock Road/Gregory Road intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume at the westbound approach during the weekday p.m. peak hour. The intersection will meet traffic signal warrants under year 2038 traffic conditions and sensitivity analysis indicates a signal will be warranted in the next five years. The following alternatives were developed to address this deficiency:

- Install a traffic signal with permitted phasing at each approach. This alternative is identified in the CIP as a low priority.
- Construct a single lane roundabout with a northbound right-turn yield lane.

| | I | Mobilit | y | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Title E | VI/ J | Environ ment |
|-------------|------------|-----------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|--------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Signal | ightarrow | ightarrow | \bigcirc | \bigcirc | | | | | | \bigcirc | | | \bigcirc | \bigcirc | | \bigcirc | \bigcirc |
| Roundabout | \bigcirc | 0 | igodol | 0 | | \bigcirc | | | | \bigcirc | \mathbf{O} | | igodol | \mathbf{O} | | \mathbf{O} | 0 |

Table 6: Alternative Analysis for Table Rock Road/Gregory Road

The signal and roundabout alternatives will improve traffic operations and safety; however, the roundabout alternative would require a significant investment in infrastructure to be feasible.

#7 – Kershaw Road/OR 140

The northbound approach to the Kershaw Road/OR 140 intersection is expected to operate below capacity, but above its mobility standard under year 2038 traffic conditions. This is primarily due to the high volume of opposing movements during the weekday p.m. peak hour. A traffic signal is not warranted under year 2038 traffic conditions. The following alternatives were developed to address this deficiency:

- Monitor traffic operations at the intersection following construction of the Foothill Road extension to OR 140. The potential reduction in left and through movements from the minor street may address the operational issues at this intersection.
- Restrict left and through movements from the minor street following completion of the Foothill Road extension to OR 140.
- Add a separate northbound left-turn lane.



Table 7: Alternative Analysis for Kershaw Road/OR 140

The monitor alternative will not improve mobility, safety, and the bike/ped environment; however, it has the least potential impact on the transportation system and the least cost. Restricting left and through movements would have a minimal effect on mobility, freight, and travel time given that these movements would be provided at the new Foothill Road/OR 140.

#8 – OR 62/OR 140-Leigh Way

The eastbound through-left, westbound through-left, northbound left, northbound through, and southbound through movements at the OR 62/OR 140-Leigh Way intersection are expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of opposing movements during the weekday p.m. peak hour. The northbound right and left 95th percentile queues are also expected to exceed the available storage lengths. The following alternatives were developed to address these deficiencies:

- Install a separate right-turn lane and a second separate left-turn lane. This alternative is consistent with the OR 140 Corridor Plan and STIP Project #1747. This project is also currently underway.
- Monitor the intersection following the completion of STIP Project #1747.
- Install a third through lane at the northbound and southbound approaches. This alternative is consistent with the OR 140 Corridor Plan.

| | I | Mobilit | y | | Safety | | | Cost | | 2 | like/Pe | d | Land | l Use | Title E | VI / J | Environ ment |
|-------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Right/Left-Turn Lane | igodol | igodol | igodol | igodol | | | | | | | | | igodol | igodol | | igodol | \bigcirc |
| Monitor | | | | | | | igodol | | | | | | igodol | \bigcirc | | lacksquare | \mathbf{O} |
| Widen | igodol | 0 | igodol | igodol | | | | | | | | | 0 | igodol | | 0 | \bigcirc |



The monitor alternative will not improve mobility, safety, and the bike/ped environment; however, it has the least potential impact on the transportation system and the least cost. It is also a reasonable alternative considering the ongoing improvements and the potential long-term impacts associated with the OR 62 Bypass.

#9 – OR 62/OR 234-Del Isle Way

The eastbound left-turn movement at the OR 62/OR 234-Del Isle Way intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of the movement during the weekday p.m. peak. The intersection will meet traffic signal warrants under year 2038 traffic conditions and sensitivity analysis indicates a signal will be warranted in the next five years. The following alternatives were developed to address this deficiency:

- Install a separate eastbound left-turn lane.
- Install a traffic signal with permitted phasing on each approach.
- Install a single lane roundabout with shared left-through-right lanes on each approach.
- Restripe the north leg of the intersection to allow two-stage left-turn movements from OR 234 to OR 62.

| | | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Title E | IVI / | Environ ment |
|----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Left-Turn Lane | igodol | igodol | igodol | | | | 0 | | | | | | igodol | 0 | | 0 | \bigcirc |

Table 9: Alternative Analysis for OR 62/OR 234-Del Isle Way

| Signal | igodol | 0 | igodol | | | | | lacksquare | igodol | lacksquare | 0 | igodol | 0 |
|------------|--------|---|--------|--|--------|---|--|------------|--------|------------|------------|--------|-----------|
| Roundabout | 0 | 0 | 0 | | igodol | | | igodol | igodol | igodol | \bigcirc | | 0 |
| Restripe | 0 | | | | | 0 | | | | 0 | 0 | | ightarrow |

The roundabout alternative provides the greatest potential improvement to safety; however, it comes at a higher cost than the left-turn lane, center two-way left-turn lane, or traffic signal alternatives. It should be noted that given the rural nature of this intersection, a traffic signal may increase the potential for high-speed rear-end crashes.

#11 – OR 62/Vilas Road

The northbound left-turn movement at the OR 62/Vilas Road intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of that movement during the weekday p.m. peak hour. In addition, the 95th percentile queues for the eastbound right, westbound left, northbound left and right, and southbound right movements are expected to exceed the available storage length. The following alternatives were developed to address this deficiency:

- Monitor traffic operations at the intersection following construction of the OR 62 Bypass to determine if the turning movements are as high as projected. The City of Medford is also planning to improve conditions at the west leg of the intersection by relocating Crater Lake Avenue further to the east.
- Install a second separate left-turn lane at the northbound approach. This alternative would also require widening Vials Road, west of OR 62 to provide two receiving lanes.

| | 1 | Mobilit | y | | Safety | | | Cost | | E | like/Pe | d | Land | l Use | Title E | IVI / | Environ ment |
|----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Monitor | | | | | | | igodol | | | | | | \mathbf{O} | 0 | | igodol | \bigcirc |
| Left-Turn Lane | 0 | 0 | 0 | | | | | | | | | | 0 | 0 | | 0 | \mathbf{O} |

Table 10: Alternative Analysis for OR 62/Vilas Road

The monitor alternative will not improve mobility, safety, and the bike/ped environment; however, it has the least potential impact to the transportation system and the least cost. It is also a reasonable alternative considering the potential impact of the OR 62 Bypass.

#21 – Foothill Road/McAndrews Road WB Ramp

The eastbound left-turn movement is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of the movement during the weekday p.m. peak hour. The intersection will meet traffic signal warrants under year 2038 traffic conditions and sensitivity analysis indicates a signal will be warranted in the next 15 years. The following alternatives were developed to address this deficiency:

- Widen Foothill Road to provide a center two-way left-turn lane. This will allow eastbound motorists to complete a two-stage left-turn. This alternative is consistent with STIP project number #19231, which involves widening Foothill Road from Hillcrest Road to McAndrews Road to provide 5-travel lanes, curb, gutter, and sidewalk.
- Install a traffic signal at the intersection. This alternative is also consistent with STIP project number #19231, which involves installation of traffic signals at the intersection.
- Install a roundabout with single lane approaches on all but the northbound approach, which has two lanes – a shared left-through and a shared through-right.

| | | Mobilit | y | | Safety | | | Cost | | В | ike/Pe | d | Land | Use | Title E | VI / | Environ ment |
|-------------|------------|---------|--------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|--------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Widening | 0 | 0 | 0 | lacksquare | | | | | | | | | 0 | 0 | | lacksquare | \bigcirc |
| Signal | 0 | 0 | 0 | lacksquare | | | | | | 0 | | | 0 | 0 | | lacksquare | \bigcirc |
| Roundabout | \bigcirc | igodol | \mathbf{O} | 0 | | lacksquare | | | | igodol | \bigcirc | | \mathbf{O} | \mathbf{O} | | 0 | \bigcirc |

Table 11: Alternative Analysis for Foothill Road/McAndrews Road WB Ramp

The intersection will operate acceptably with the provision of a center two-way left-turn lane and/or installation of a traffic signal. Both improvements are not needed to meet County standards. However, the roundabout alternative provides a greater potential improvement to safety and the bike/ped environment.

#22 – Foothill Road/McAndrews Road EB Ramp

The eastbound left-turn movement at the Foothill Road/McAndrews Road EB Ramp intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of the movement during the weekday p.m. peak hour. The intersection will meet traffic signal warrants under year 2038 traffic conditions and sensitivity analysis indicates a signal

will be warranted in the next two years. The following alternatives were developed to address this deficiency:

- Widen Foothill Road to provide a center two-way left-turn lane. This will allow eastbound motorists to complete a two-stage left-turn. This alternative is consistent with STIP project number #19231, which involves widening Foothill Road from Hillcrest Road to McAndrews Road to provide 5-travel lanes, curb, gutter, and sidewalk.
- Install a traffic signal at the intersection. This alternative is also consistent with STIP project number #19231, which involves installation of traffic signals at the intersection.
- Install a roundabout with single lane approaches on all but the northbound which has two lanes – a shared left-through and a shared through-right.

| | | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | l Use | Title | I VI / | Environ ment |
|-------------|------------|--------------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Widening | \bigcirc | \bigcirc | igodol | \bigcirc | | | | | | | | | \bigcirc | \bigcirc | | \bigcirc | \bigcirc |
| Signal | 0 | \mathbf{O} | igodol | \mathbf{O} | | | | | | 0 | \bigcirc | | igodol | 0 | | 0 | \mathbf{O} |
| Roundabout | 0 | igodol | 0 | igodol | | 0 | | | | 0 | | | igodol | 0 | | 0 | ightarrow |

Table 12: Alternative Analysis for Foothill Road/McAndrews Road EB Ramp

The intersection will operate acceptably with the provision of a center two-way left-turn lane and/or installation of a traffic signal. Both improvements are not needed to meet County standards. However, the roundabout alternative provides a greater potential improvement to safety and the bike/ped environment.

#23 – Foothill Road/Lone Pine Road

The eastbound left- and right-turn movements at the Foothill Road/Lone Pine Road intersection is expected to exceed the capacity of the intersection under year 2038 traffic conditions. This is primarily due to the high volume of the movement during the weekday p.m. peak hour conflicting with a high volume of opposing through movements. The intersection will meet traffic signal warrants under year 2038 traffic conditions and sensitivity analysis indicates a signal will be warranted in the next 13 years. The following alternatives were developed to address these deficiencies:

 Widen Foothill Road to provide a center two-way left-turn lane. This will allow eastbound motorists to complete a two-stage left-turn. Install a traffic signal with permitted phasing at each approach.

| | ſ | Mobilit | у | | Safety | | | Cost | | B | ike/Pe | d | Land | l Use | Title E | IVI / | Environ ment |
|-------------|------------|------------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Widen | \bigcirc | \bigcirc | \bigcirc | \bigcirc | | | | | | | | | \bigcirc | \bigcirc | | \bigcirc | \bigcirc |
| Signal | 0 | 0 | 0 | 0 | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 |

Table 13: Alternative Analysis for Foothill Road/Lone Pine Road

The intersection will operate acceptably with the provision of a center two-way left-turn lane and/or installation of a traffic signal. Both improvements are not needed to meet County standards.

SAFETY ALTERNATIVES

This section identifies the alternatives developed by the project team to address safety deficiencies in Jackson County. The alternatives include potential improvements at intersections and roadway segments identified as high crash locations.

Intersection Crash Analysis

The following identifies and compares the viable alternative solutions for each of the intersection safety deficiencies identified in previous tech memos (See *Technical Memorandum #3: Existing Conditions* and *Technical Memorandum #4: Future Conditions* for a complete list of deficiencies). The intersections identified below either exceeded the 90th percentile crash rate for similar facilities or experienced a significant number of crashes over the five-year study period.

#1 - Hamrick Road/E Pine Street-Biddle Road

The Hamrick Road/E Pine Street-Biddle Road intersection experienced a significant number of crashes over the five-year study period, a majority of which involved eastbound left and westbound through vehicles. The following alternatives were developed to address these deficiencies:

- Modify the signal phasing at the eastbound and westbound approaches to protected only. This alternative would have a significant impact on traffic operations at the intersection. The CMF for this alternative is 0.01 for left-turn crashes.
- Replace the 5-section head at the westbound approach with a 4-section head consistent with the other protected-permitted signal heads along the corridor. The CMF for this alternative is 0.75 for left-turn crashes.

- Install a second separate left-turn lane at the eastbound approach and modify signal timing/phasing to provide more green time to the westbound approach. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. There are no CMFs associated with this alternative.
- Reconstruct the intersection as a multi-lane roundabout. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. The CMF for this alternative is 0.22 for all crashes.



Table 14: Alternative Analysis for Hamrick Road/E Pine Street-Biddle Road

The protected only phase would have a significant impact on traffic operations, while replacing the 5ssection head with a 4-seciton head would maintain the same basic functional while improving safety.

#3 – Table Rock Road/Vilas Road

The Table Rock Road/Vilas Road intersection experienced a significant number of crashes over the fiveyear study period, a majority of which were rear-end and turning movement crashes. Several of the crashes involved vehicles turning left from driveways in the immediate vicinity of the intersection on the north, east, and west legs. The following alternatives were developed to address these deficiencies:

- Modify the signal phasing at the northbound and southbound approaches to protected only. This alternative would have a significant impact on traffic operations at the intersection. The CMF for this alternative is 0.01 for left-turn crashes.
- Manage access points close to the intersection on the north, east, and west legs of the intersection using techniques such as raised medians, closing or combining access points, and narrowing curb cuts. There are no CMFs associated with this alternative, but generalized CMFs indicate a reduction in crashes.
- Install a second separate left-turn lane and a separate right-turn lane at the westbound approach and modify signal timing/phasing. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. There are no CMFs associated with this alternative.





Access management treatments can be implemented alone or in conjunction with other treatments to allow for flexibility to adapt to local conditions. For instance, raised medians to restrict left-turning maneuvers can be paired with narrowing curb cuts to define vehicle circulation paths. Each treatment has its own cost and effectiveness based on site-specific conditions.

#7 – Kershaw Road/OR 140

The Kershaw Road/OR 140 intersection experienced a significant number of crashes over the five-year study period, a majority of which involved eastbound and westbound through vehicles colliding with northbound and southbound through vehicles. The following alternatives were developed to address these deficiencies:

- Install an intersection collision avoidance system. These systems warn motorists along the main line to watch for entering traffic on the minor street when flashing. There are no CMFs associated with this alternative, but generalized CMFs indicate a reduction in crashes.
- Restrict left and through movements from the minor street. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. There are no CMFs associated with this alternative, but generalized CMFs indicate a reduction in crashes.
- Add a separate northbound left-turn lane. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. There are no CMFs associated with this alternative.





Collision avoidance systems are typically installed along divided highways to improve drive awareness of vehicles entering the intersection from the minor street. Although the Kershaw Road/OR 140 intersection is not along a divided highway, this alternative would improve safety at the intersection.

#11 - OR 62/Vilas Road

The OR 62/Vilas Road intersection experienced a significant number of crashes over the five-year study period, a majority of which involved eastbound left and westbound through vehicles. The following alternatives were developed to address this deficiency:

 Install a second separate left-turn lane at the northbound approach. This alternative is consistent with one of the alternatives identified above to address operational issues at the intersection. There are no CMFs associated with this alternative.

#24 – Foothill Road/Coker Butte Road

The Foothill Road/Coker Butte Road intersection exceeded the 90th percentile rate for similar facilities over the five-year period, a majority of which were rear end crashes involving northbound vehicles waiting to turn left. The following alternatives were developed to address these deficiencies:

- Widen Foothill Road to provide a separate left turn lane, wider travel lanes, and wider shoulders. These improvements will have the combined effect of realigning Foothill Road through the intersection. These improvements have the following CMFs:
 - Add left turn lane to rural 3-leg intersection: 0.56 to all crashes and severities
 - Widen lanes at rural stop-controlled intersection: no CMF available
 - Widen shoulders at rural stop-controlled intersection: no CMF available

This alternative is consistent with Jackson County's recent All Roads Transportation Safety (ARTS) application to improve traffic operations and safety at this intersection. The application is currently at the 150% of budget evaluation stage.





Shoulder and travel lane widening can improve non-motorized travel conditions through the intersection.

Hanley Road (OR 238)/W Main Street

The Hanley Road (OR 238)/W Main Street intersection was not identified as one of the study intersections for the Jackson County TSP update and therefore, it was not evaluated under existing or future traffic conditions. However, based on discussions with ODOT staff, the intersection has a long history of safety issues. In 2012, the intersection was evaluated as part of a Road Safety Audit (RSA) conducted by ODOT. The RSA identified several options for improving safety, including reconfiguring the intersection into its current configuration with a channelized northbound right turn lane. However, ODOT has not seen the reduction in crash frequency or severity that was expected with the improvements and therefore, has requested that the following alternatives be considered as part of the TSP update.

- Reconfigure the intersection as a three-way stop. This alternative is consistent with option 4 of the 2012 RSA. The CMF for this alternative is 0.52 for all crashes.
- Install a traffic signal with permitted phasing at each approach. This alternative is consistent with Option 6 of the 2012 RSA. The CMF for this alternative is 0.23 for angle crashes and -0.42 for rea-end crashes.
- Reconfigure the intersection as a single-lane roundabout. This alternative is consistent with Option 7 of the 2012 RSA. The CMF for this alternative is 0.18 for all crashes.

Table 18: Alternative Analysis for Hanley Road (OR 238)/W Main Street

| | I | Mobilit | Ŷ | | Safety | | | Cost | | E | Bike/Pe | d | Land | Use | Title E | VI / J | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |

| Three-Way Stop | | | | lacksquare | 0 | 0 | | lacksquare | | | | lacksquare | | |
|----------------|---|---|---|------------|---|---|--|------------|--------|------------|--|------------|--|--|
| Traffic Signal | 0 | 0 | 0 | igodol | 0 | 0 | | igodol | igodol | \bigcirc | | igodol | | |
| Roundabout | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | | |

All of the alternatives would improve safety at the intersection; however, the roundabout alternative provides the greatest potential benefit to safety and the bike/ped environment.

Segment Crash Analysis

The segments evaluated below were identified in the safety screening analysis completed in Technical Memorandum #3: Current Transportation System Operations. They were selected for further review based on their crash rates, which exceed ODOT thresholds. They were investigated in greater detail to identify crash patterns and locations with the goal of identifying cost-effective corridor safety treatments. These treatments include targeted location alternatives, such as curve warning signs, as well as corridor-wide systemic treatments, such as shoulder widening.

Analysis of the segments did not result in identified segment alternatives at a number of locations. Where segment crashes are sparse and/or do not follow a crash type pattern, a systemic treatment is unlikely to be cost-effective. The ODOT APM cautions the use of segment crash rates on urban segments, as intersection crashes can dominate the crash selection. Additionally, as the crash rate is based on crashes per million miles traveled, segments with low volumes and/or short lengths can have crash rates inflated by a small number of crashes. Pattern identification and the effectiveness of any identified treatment are limited in small crash sets, and thus no segment crash treatment was identified on segments with few crashes.

Intersections on flagged segments are not necessarily safety priorities and/or likely to respond to costeffective intersection safety treatments as they were flagged based on segment crash rates, not intersection rate thresholds.

Foothill Road – Hillcrest to Lone Pine

Roadway widening and intersection signalization or roundabouts at the McAndrews Road ramp terminals are expected to improve safety along this corridor as described in the intersection operations section above. No additional segment safety-focused projects have been identified.

Foothill Road – Lone Pine Road to Coker Butte

Roadway widening and intersection signalization or a roundabout at the Lone Pine Road intersection are expected to improve safety along this corridor as described in the intersection operations section above. No additional segment safety-focused projects have been identified.

Foothill Road – Coker Butte to Corey Road

Widen Foothill Road to provide separate left-turn lanes at intersections, wider travel lanes, and wider shoulder along this segment. This improvement has the following CMFs:

- Add left turn lane to rural 3-leg intersections: 0.56 for all intersection crashes
- Widen lanes on rural two-lane highways: 0.95 for all segment crashes; CMFs for similar configurations suggests larger crash reductions
- Widen shoulders on rural two-lane highways: 0.98 to 1.05 for run-off-the road crashes;
 CMFs for similar configurations suggests larger crash reductions.

This alternative is consistent with Jackson County's recent All Roads Transportation Safety (ARTS) application to improve traffic operations and safety along this segment. The application is currently at the 150% of budget evaluation stage.

| | ſ | Mobilit | у | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Title E | VI / | Environ ment |
|---------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|--------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Roadway Widening | | | | 0 | \mathbf{O} | \bigcirc | | | | | \mathbf{O} | | | \mathbf{O} | | | |

Table 19: Alternative Analysis for Foothill Road – Coker Butte to Corey Road

Adding left turn lanes provides the greatest potential improvement to traffic operations and provides potential safety benefits and reductions in intersection crashes. Travel lane widening would likely result in improved safety throughout the corridor. Shoulder and lane widening improve non-motorized travel conditions along the corridor as well.

Old Stage Road – Ross Lane to Beall Lane

Observed crashes are clustered around the Ross Lane intersection. Therefore, no segment crash treatments are proposed.

Old Stage Road – Beall Lane to Taylor Road

Observed crashes are clustered around the Beall Lane intersection. Therefore, no segment crash treatments are proposed.

Table Rock Road – Biddle Road to E Villas Road

A majority of the observed crashes are clustered around the Biddle Road and Vilas Road intersections. Therefore, no segment crash treatments are proposed.

Antelope Road – Agate Road to OR 62

Crashes along this short 0.33 mile urban segment consist entirely of intersection crashes. Therefore, no segment crash treatments are proposed.

Meadows Road - E Evans Creek to Beagle Road

Nine crashes occurred along this low-volume, five-mile segment without a clear pattern. No segment crash treatments are proposed.

Pioneer Road – Carpenter Hill Road to Dark Hollow Road

Eight crashes occurred along this low-volume, half-mile segment. Half of the crashes were turning movement crashes at intersections, so no segment crash treatments are proposed.

S Stage Road – Orchard Home Drive to Hull Road

Of the nine crashes recorded on the segment, only three occurred along the roadway segment. Therefore, no segment crash patterns were identified and no segment safety treatments are proposed.

S Stage Road – Hull Road to Arnold Lane

A majority of the crashes along this corridor were associated with turning or rear-end movements at intersections. Therefore, no segment crash treatments are proposed.

Hanley Road – Rossanley to Jacksonville City Limits

Half of the reported 59 crashes on this segment are associated with turning vehicles and 38 crashes occurred at the Rossanley Drive or Main Street intersections. However, six run off the road crashes occurred at the curves between Main Street and the Jacksonville City Limits, most in the westbound direction. This portion of the roadway includes trees near the road on the south side and a steep ditch on the north side. The following alternatives were developed to address this deficiency:

- Provide drivers with more warning and feedback on approach to the curves. Treatments include:
 - Guardrail on rural two-lane road. The CMF for this alternative is 0.53 for injury and fatal run off the road crashes.
 - Shoulder rumble strips on rural two-lane road. The CMF for this alternative is 0.87 for run off the road crashes. This alternative would require a design exception due to ODOT's currently policy about rumble strips within 600-feet of a residence.
 - Chevrons and other curve warning signage. The CMF for this alternative is 0.96 for all crashes and 0.84 for injury crashes.

| | I | Mobilit | y | | Safety | | | Cost | | B | Bike/Pe | d | Land | l Use | Title E | : VI / :J | Environ ment |
|------------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Guardrail Barrier | | | | \bigcirc | \bigcirc | | | | | | | | | \bigcirc | | | |
| Shoulder Rumble Strips | 0 | • | 0 | 0 | igodol | • | 0 | | 0 | | | 0 | • | 0 | • | • | ightarrow |
| Curve Warning Signage | | | | 0 | \mathbf{O} | | 0 | | | | | | | 0 | | | \bigcirc |



The three alternatives identified above can be implemented individually or together. Rumble strips and signage achieve some crash reduction at relatively low cost. Rumble strips degrade the roadway experience for shoulder-riding cyclists. Guardrails likely have impacts beyond the existing roadway.

Statewide Safety Priority Index System

The ODOT Statewide Priority Index System (SPIS) identifies sites along state highways where safety issues warrant further investigation. The SPIS is a method developed by ODOT for identifying hazardous locations on state highways through consideration of crash frequency, crash rate, and crash severity. Sites identified within the top 5 percent are investigated by ODOT staff and reported to the Federal Highway Administration (FHWA). Table 21 summarizes the possible future treatments identified by ODOT as within the top five percent over the last five-year period and includes any applicable CMFs.

| Route | Road Name | вмр | EMP | Potential Remedies | Crash Modification Factors |
|-------|--------------|------|------|---|--|
| OR-62 | Crater Lake | 3.56 | 3.74 | Move Crater Lake Avenue away from OR-62 | Likely safety benefit to separating conflict points. No general CMF available. |
| OR-99 | Rogue Valley | 5.25 | 5.42 | Convert Elm Street to right in right out on both sides of highway, install median barrier, no work at Table Rock Road at this time. Part of (STIP # 14433 & 14434) Work with City of Medford on signal timing | Likely safety benefit to reducing conflict points. No general CMF available. |
| OR-99 | Rogue Valley | 8.49 | 8.66 | Extend RED clearance | No applicable CMF, but CMFs for similar conditions indicate a crash reduction |

Systemic Safety Improvements

Further review of the crash data indicates that a significant number of isolated, yet related crashes have occurred throughout Jackson County that could be addressed through a variety of safety treatments. These crashes include motorists losing control of their vehicles, driving off-the side of the

road, colliding with various fixed-objects, and/or other vehicles on the roadway. A majority of these crashes resulted from motorists traveling too fast for roadway conditions, careless driving, or other improper driving. The alternatives to reduce the number of vehicles from driving off the side of the roadway include wider shoulders, wider clear zones, center and shoulder rumble strips and guard rails. The alternatives to reduce travel speeds and improve driver awareness of changing roadway conditions include speed limit signs, speed warning signs, reduced speed warning signs, chevron, and reconstructing the roadway to provide super elevation in curves. The TSP should identify a process for identifying and prioritizing locations to implement these types of improvements on a systematic basis; however, the crash analysis to date does not identify facilities that warrant corridor wide improvements.

BICYCLE ALTERNATIVES

This section identifies the alternatives developed by the project team to address bicycle network deficiencies in Jackson County. Several of the alternatives identified in this section are consistent with existing plans and projects identified in the current Statewide Transportation Improvement Plan (2015-2018 STIP), the Metropolitan Transportation Improvement Program (2015-2018 MTIP), the Jackson County Capital Improvement Plan (2015 CIP), and other planning documents. These existing plans and projects are included as alternatives to ensure that they continue to represent the preferred alternative for the County.

Bicycle Route Designations

A system of bicycle route designations was developed by the project team to help identify and prioritize bicycle system improvements throughout the County. The designations include non-designated routes, shared roadways, bikeways, and enhanced. The following provides a brief summary of each designation.

Non-Designated Routes

Non-Designated Routes are roads without bicycle facilities that are not signed or designated bicycle routes; however, bicycles may still use these routes.

Shared Roadway

Shared Roadways are roads without bicycle lanes or shoulders that are designated bicycle routes. This designation may influence how the County signs, maintains, or makes other decisions with regard to these facilities. Shared Roadways are most commonly acceptable along roadways where the average daily traffic (ADT) is less than 400 vehicles per day in rural areas and 3,000 vehicles per day in urban areas or where vehicular travel speeds and volumes allow cyclists to comfortably and conveniently "share the road" with motorists. In rural areas, "Share the Road" or "Bikes in Road" signs can be used to remind drivers to watch for bicyclists on roadways without on-street bicycle lanes. In urban areas,

shared-lane pavement markings, or sharrows, can be used. Sharrows remind motorists of the presence of bicycles and indicate to cyclists where to safely ride within the roadway.

Bikeway

Bikeways include both shoulder bikeways in rural areas and bike lanes in urban areas. Jackson County's current roadway standards require 4-foot shoulders along rural local streets (Local Street C), 5-foot shoulders along rural minor collectors, and 6-foot shoulders along rural major collectors and arterials. Shoulder bikeway designated routes should provide space for cyclists to travel outside of the vehicle travel lane where warranted. This could include continuous shoulder bikeways on both sides of the roadway ranging from 3-foot to 6-foot wide, depending upon the rural character of the area, but could also include uphill climbing lanes only, intermittent shoulders in low visibility areas, or bike pull-out areas. Shoulder bikeway designated routes typically have higher speeds and traffic volumes than routes where a shared roadway designation would be appropriate in both directions for the entire length of the roadway.

Enhanced Bikeway

Enhanced bikeways include a variety of different facility types and treatments and are intended to provide more separation and protection for cyclists from vehicles than a standard shoulder bikeway or bike lane. In rural areas, treatments include additional shoulder width or a parallel shared-use path. In urban areas, enhanced bikeway treatments include buffered bike lanes, cycle tracks or protected bikeways, or parallel shared-use path.

- Buffered bike lanes are on-street lanes that include a physical separation ("buffer") between the bike lane and the vehicle traffic lane and/or the vehicle parking lane. Buffered bike lanes can be particularly helpful on streets with high vehicle speeds, high vehicle volumes, or relatively frequent parking turnover.
- Cycle tracks (or protected bikeways) are exclusive bikeways separated from vehicle travel lanes, parking lanes and sidewalks. Cycle tracks can be one- or two-way and can be at the street level, sidewalk level, or somewhere in between. If at the street level, cycle tracks can be separated from the vehicle travel lane by raised medians, on-street parking, or bollards. If at the sidewalk level, a curb or median separates them from the vehicle travel lane, while different pavement color/texture separates the cycle track from the sidewalk. By separating cyclists from motor vehicles, cycle tracks can offer a higher level of security than bike lanes and are attractive to a wider spectrum of the public.
- Shared-use paths are separated from the roadway by an open space or barrier. Shared-use
 paths are typically used by pedestrians and bicyclists as two-way facilities. Such paths can
 also be constructed on alignments separate from roadways to create more direct routes
 between destinations and also serve as elements of a recreational trail system.

Figure 12 illustrates the Bicycle Route Designation Map for Jackson County and ODOT roadways. The following describes the low-cost alternatives (such as installing shared roadway signs and pavement

markings), medium-cost alternatives (such as installing shoulder bikeways and bike lanes), and highcost alternatives (such as installing enhanced bikeways along the routes evaluated for Level of Traffic Stress (LTS). These alternatives, however, could be considered along all County facilities that currently lack adequate bicycle facilities. The following provides a brief summary of each alternative.

Alternatives Analysis

The following identifies and compares the viable alternatives for each of the bicycle network deficiencies identified in previous tech memos (See *Technical Memorandum #3: Existing Conditions* and *Technical Memorandum #4: Future Conditions* for a complete list of deficiencies). The facilities described below currently have high Levels of Traffic Stress (LTS 3 or 4) or are projected to have high Levels of Traffic Stress in the future. Alternative treatments are identified for each facility to reduce LTS as much as possible. While LTS 2 is considered to be the goal for most facilities, in most cases, LTS 3 is the best that can be achieved due to relatively high travel speeds (>35 mph). Facilities with low Levels of Traffic Stress (LTS 1 or 2) will accommodate a broader potential cycling population (such as the transportation disadvantaged populations of Jackson County, including youth, elderly, and others without access to a vehicle). The selection of the preferred alternative will likely result in changes to the map in future tech memos.

Rural County Roadway Alternatives

The following roadways are classified as rural arterials, collectors, and local streets and therefore, should provide 4 to 6-foot shoulder bikeways along both sides of the roadway at a minimum per Jackson County standards. However, several of the segments are located along facilities with relatively high speeds (>35 mph) and therefore, require a higher level of treatment to attract a larger number of potential bicycles. Alternatively, many of the shoulder bikeway alternatives proposed, if selected, could be constructed at less than full standard to fit the rural character of some areas or could be constructed intermittently to provide uphill climbing lanes only, separation in low visibility areas, or bike pull-out areas.

Old Stage Road from Jacksonville city limits to I-5 Exit 40

This segment of Old Stage Road is classified as a rural major collector. It has 2 to 4 foot shoulders between the Jacksonville City limits and Beall Lane with an ADT of approximately 2,200 and 0 to 2 foot shoulders between Beall Lane and I-5 with an ADT of approximately 2,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 4-feet, consistent with the Old Stage Road Corridor Plan (consistent with Draft Bicycle Network map).

| | I | Mobilit | y | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \mathbf{O} | | | | \bigcirc | 0 | \mathbf{O} |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | ightarrow | | 0 | 0 | \bigcirc |



The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users. It should be noted that while 6-feet shoulders is the County's standard for rural major collectors, the shoulder alternative is acceptable because of the Old Stage Road Corridor Plan.

West Main Street from Renault Avenue to Hanley Road

This segment of West Main Street is classified as a rural major collector. It has 4 to 6-foot shoulders with an ADT of 8,500. Its current LTS is 3, which is comfortable for only a select number of riders. The following alternatives were developed to address this deficiency:

- Widen shoulders to 6-feet consistent with County standards.
- Install a shared-use path or other enhanced bicycle facility (consistent with Draft Bicycle Network map).

| | 1 | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tii VI, | :le /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \bigcirc | | \mathbf{O} | | | \mathbf{O} | \bigcirc |
| Shoulders | 0 | 0 | | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ightarrow |

Table 23: Alternative Analysis for West Main Street – Renault Avenue to Hanley Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot, excluding right-of-way). Adding shoulder bikeways also provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

Bigham-Brown Road from Antelope Road to Alta Vista Road

This segment of Bigham-Brown Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 2,300. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).



Table 24: Alternative Analysis for Bigham-Brown Road – Antelope Road to Alta Vista Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Payne Road from Fern Valley Road to Suncrest Road

This segment of Payne Road is classified as a rural minor collector. It has 0 to 2-foot shoulders with an ADT of approximately 1,000. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 5-feet consistent with County standards.

| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \mathbf{O} | | | | \mathbf{O} | | \bigcirc | | 0 | 0 | \mathbf{O} |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ightarrow |



The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Suncrest Road from Payne Road to West Valley View Road

This segment of Suncrest Road is classified as a rural local street. It has 0 to 2-foot shoulders with an ADT of approximately 500. The current LTS is 3, which is comfortable for only a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 4-feet consistent with County standards (Rural Local C).

| | ſ | Mobilit | y | | Safety | | | Cost | | E | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \bigcirc | | | | \bigcirc | | \bigcirc | | ightarrow | \bigcirc | \bigcirc |
| Shoulders | | | | | \bigcirc | 0 | | | \mathbf{O} | ightarrow | \bigcirc | \mathbf{O} | \bigcirc | | ightarrow | \mathbf{O} | \bigcirc |

Table 26: Alternative Analysis for Suncrest Road – Payne Road to West Valley View Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder

bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding rightof-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

West Valley View Road from Suncrest Road to South Valley View Road

This segment of West Valley View Road is classified as a rural minor collector. It has 0 to 2-foot shoulders with an ADT of approximately 900 near Suncrest Road and 700 near South Valley View Road. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 5-feet consistent with County standards (consistent with Draft Bicycle Network map).

Table 27: Alternative Analysis for West Valley View Road – Suncrest Road to South Valley View Road

| | ı | Mobilit | y | | Safety | | | Cost | | | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | ightarrow | | 0 | | ightarrow | \mathbf{O} | \bigcirc |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | \bigcirc | 0 | | 0 | \bigcirc | |

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

East Valley View Road from South Valley View Road to Butler Creek Road

This segment of East Valley View Road is classified as a rural local street. It has 0 to 2-foot shoulders with an ADT of approximately 500. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 4-feet consistent with County standards (Rural Local C).

| | 1 | Mobilit | Ŷ | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | 0 | 0 | | | | | 0 | | | | 0 | | 0 | | 0 | 0 | ightarrow |
| Shoulders | | | | | 0 | 0 | | | 0 | \bigcirc | 0 | 0 | 0 | | 0 | 0 | |

Table 28: Alternative Analysis for East Valley View Road – South Valley View Road to Butler Creek Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Butler Creek Road from East Valley View Road to Eagle Mill Road

This segment of Butler Creek Road is classified as a rural local street. It has 0 to 2-foot shoulders with an ADT of approximately 1,200. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 4-feet consistent with County standards (Rural Local C).

| | ſ | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \bigcirc | | \mathbf{O} | | igodol | \mathbf{O} | \bigcirc |
| Shoulders | | | | | 0 | \bigcirc | | | 0 | \bigcirc | \bigcirc | 0 | \bigcirc | | 0 | \bigcirc | |

Table 29: Alternative Analysis for Butler Creek Road – East Valley View Road to Eagle Mill Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder

bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding rightof-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Eagle Mill Road from South Valley View Road to Oak Street

This segment of Eagle Mill Road is classified as a rural minor collector. It has 0 to 2-foot shoulders with an ADT of approximately 4,500. Its current LTS is 4, which is uncomfortable for most riders. However, the Bear Creek Greenway offers a parallel route to this section of Eagle Mill Road. The following alternative was developed to address this deficiency:

 Widen shoulders to 5-feet consistent with County standards (consistent with Draft Bicycle Network map).

| | | Mobilit | y | | Safety | | | Cost | | E | like/Pe | d | Land | l Use | Tit VI, | :le /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulders | | | | | 0 | \mathbf{O} | | | 0 | 0 | \bigcirc | \mathbf{O} | 0 | | \bigcirc | \mathbf{O} | \bigcirc |

Table 30: Alternative Analysis for Eagle Mill Road – South Valley View Road to Oak Street

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broad range of the population; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Given that this segment would primarily serve bicyclists traveling to/from the City of Ashland, the County could off-set the cost of the improvement by encouraging financial participation by the City.

Pioneer Road from Colver Road to Griffin Creek Road

This segment of Pioneer Road is classified as a rural minor collector. It has 0 to 2-foot shoulders with an ADT of approximately 1,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 5-feet consistent with County standards.

| | I | Mobilit | y | | Safety | | | Cost | | B | Bike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | 0 | | 0 | | | | 0 | | | | 0 | | 0 | | 0 | 0 | ightarrow |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ightarrow |



The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Dark Hollow Road from North Pioneer Road to South Pioneer Road

This segment of Dark Hollow Road is classified as a rural local street. It has 0 to 2-foot shoulders with an ADT of 700. The overall LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 4-feet consistent with County standards (Rural Local C).

| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \mathbf{O} | | | | \bigcirc | | \mathbf{O} | | ightarrow | \mathbf{O} | \bigcirc |
| Shoulders | | | | | | | | | | | | 0 | | | | | \bigcirc |

Table 32: Alternative Analysis for Dark Hollow Road – North Pioneer Road to South Pioneer Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder

bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding rightof-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Griffin Creek Road from South Stage Road to Pioneer Road

This segment is of Griffin Creek Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 3,000. The overall LTS is 4, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).

| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | :le /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \mathbf{O} | | | | \bigcirc | | \bigcirc | | \mathbf{O} | \bigcirc | \bigcirc |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | \mathbf{O} |

 Table 33: Alternative Analysis for Griffin Creek Road – South Stage Road to Pioneer Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Coleman Creek Road from Carpenter Hill Road to Pioneer Road

This segment of Coleman Creek Road is classified as a rural minor collector. The segment from Pioneer Road to Houston Road has 0 to 2-foot shoulders with an ADT of 1,000. Its current LTS is 2, which is comfortable for most riders. The segment from Houston Road to Carpenter Hill Road has 0 to 2-foot shoulders with an ADT of 2,000. Its current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadway (consistent with Draft Bicycle Network map).
- Widen shoulders to 5-feet consistent with County standards.

| | ı | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \mathbf{O} | | | | \mathbf{O} | | | | 0 | 0 | \mathbf{O} |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | \bigcirc | | 0 | 0 | |

Table 34: Alternative Analysis for Coleman Creek Road – Carpenter Hill Road to Pioneer Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Carpenter Hill Road from Coleman Creek Road to Voorhies Road

This segment of Carpenter Hill Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 2,000. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).

| | ı | Mobilit | y | | Safety | | | Cost | | | like/Pe | d | Land | Use | Tii VI, | le /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \bigcirc | | | | \bigcirc | | \bigcirc | | | \mathbf{O} | \bigcirc |
| Shoulders | | | | | \bigcirc | \bigcirc | | | \mathbf{O} | \bigcirc | \bigcirc | \mathbf{O} | \mathbf{O} | | \bigcirc | \mathbf{O} | \bigcirc |

Table 35: Alternative Analysis for Carpenter Hill Road – Coleman Creek Road to Voorhies Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder

bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding rightof-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Voorhies Road from Carpenter Hill Road to South Stage Road

This segment of Voorhies Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 2,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways.
- Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).

| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \mathbf{O} | | 0 | | 0 | \mathbf{O} | \mathbf{O} |
| Shoulders | 0 | | | | igodol | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | \bigcirc |

 Table 36: Alternative Analysis for Voorhies Road – Carpenter Hill Road to South Stage Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Stewart Avenue from Oak Grove Road to Hull Road

This segment of Stewart Avenue is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 4,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternative was developed to address this deficiency:

 Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).



| | l | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | ldentified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | 0 | |

Hull Road from Stewart Avenue to South Stage Road

This segment of Hull Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of 4,500 near Steward Avenue and 1,500 near South Stage Road. Its current LTS is 4, which is uncomfortable for most riders. The following alternative was developed to address this deficiency:

 Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).

| | 1 | Mobilit | y | | Safety | | | Cost | | 5 | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulders | | | | | \bigcirc | | | | | | | | | | | | |

Table 38: Alternative Analysis for Hull Road – Stewart Avenue to South Stage Road

Bellinger Lane from Hull Road to South Stage Road

This segment of Bellinger Lane is classified as a rural major collector. It has 2 to 4-foot shoulders from Hull Road to Arnold Lane with an ADT of 3,300 and 0 to 2-foot shoulders from Arnold Lane to South stage Road with an ADT of 2,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map).
- Widen shoulders to 6-feet consistent with County standards.
| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | ldentified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | 0 | | 0 | | | | 0 | | | | \bigcirc | | 0 | | 0 | 0 | ightarrow |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ightarrow |



The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

East Evans Creek Road from Rogue River city limit to Meadows Road

This segment of East Evans Creek Road is classified as a rural major collector. The segment from Forest Hills Road to Minthorne Road has 2 to 4 foot shoulder with an ADT of approximately 3,000. The segment from Minthorne Road to Meadows Road has 0 to 2-foot shoulder with an ADT of approximately 2,500 near Pleasant Creek Road, 1,200 near Covered Bridge Road, and 500 near Meadows Road. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadways from Queens Branch Road to Meadows Road (consistent with Draft Bicycle Network map).
- Widen shoulders to 6-feet consistent with County standards.

The segment of east Evans Creek Road from the Rogue River City limits to Forest Hills Road is classified as a rural major collector. It currently has 4 to 6-foot shoulders with an ADT of 4,700. Its current LTS is 2, which is comfortable for most riders.

Table 40: Alternative Analysis for East Evans Creek Road – Rogue River city limit to Meadows Road

| | I | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | :le /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |

| Shared-Use | | | | | 0 | | | 0 | | 0 | 0 | | 0 |
|------------|--|--|------------|---|---|------------|---|------------|---|------------|------------|---|---|
| Shoulders | | | \bigcirc | 0 | | \bigcirc | 0 | \bigcirc | 0 | \bigcirc | \bigcirc | 0 | |

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Meadows Road from East Evans Creek Road to Beagle Road

This segment of Meadows Road is classified as a rural major collector. It has 0 to 2-foot shoulders from East Evans Creek Road to Beagle Road with an ADT of approximately 500 and 2 to 4-foot shoulders from Beagle Road to OR 234 with an ADT of approximately 700. The current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadway (consistent with Draft Bicycle Network map).
- Widen shoulders to 6-feet consistent with County standards.

| | | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | l Use | Ti VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \mathbf{O} | | 0 | | 0 | \mathbf{O} | \mathbf{O} |
| Shoulders | | | | | ightarrow | 0 | | | | 0 | \mathbf{O} | 0 | 0 | | 0 | 0 | \mathbf{O} |

Table 41: Alternative Analysis for Meadows Road – East Evans Creek Road to Beagle Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

North Phoenix Road from Phoenix City limits to Medford City Limits

This segment of North Phoenix Road is classified as a rural minor arterial. It has 4 to 6 foot shoulders with an ADT of approximately 7,500. Its current LTS is 3, which is comfortable to a select number of riders. The following alternatives were developed to address this deficiency:

- Widen shoulders to 6-feet consistent with County standards (consistent with Draft Bicycle Network map).
- Install a shared-use path along one side of the roadway.

| | ſ | Mobilit | y | | Safety | | | Cost | | 2 | like/Pe | d | Land | Use | Tit VI, | :le /EJ | Environ ment |
|-----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulders | | 0 | | | 0 | \mathbf{O} | | | | | \bigcirc | \mathbf{O} | \bigcirc | | ightarrow | \mathbf{O} | |
| Shared-Use Path | | 0 | | | 0 | 0 | | | | \mathbf{O} | | 0 | \mathbf{O} | | 0 | 0 | \bigcirc |

Table 42: Alternative Analysis for North Phoenix Road – Phoenix City limits to Medford city limits

The shared used path alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than shoulder bikeways; however, constructing a shared-use path has a significant cost (approximately \$640K per mile for one 10-foot path, excluding right-of-way). Given the nature of a share-use path, it may be more likely to qualify for alternative funding than a shoulder bikeway. Adding shoulder bikeways or a shared-use path provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

Foothill Road from Medford City Limits to Corey Road

This segment Foothill Road is classified as a rural major collector. It has 0 to 2-foot shoulders with an ADT of approximately 5,000 near Coker Butte and 6,000 near Corey Road. The following alternatives were developed to address this deficiency:

- Widen to provide 6-feet shoulders consistent with County standards (consistent with Draft Bicycle Network map).
- Install a shared-use path along one side of the roadway.

| | I | Mobilit | Ŷ | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | ldentified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \mathbf{O} | | 0 | | 0 | 0 | \mathbf{O} |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |



The shared used path alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than shoulder bikeways; however, constructing a shared-use path has a significant cost (approximately \$640K per mile for one 10-foot shoulder, excluding right-of-way). Given the nature of a share-use path, it may be more likely to qualify for alternative funding than a shoulder bikeway. Adding shoulder bikeways also provides a safety benefit to all roadway users.

South Stage Road from Highway 99 to Jacksonville

The segment of South Stage Road from Hull Road to the Jacksonville City limits is classified as a rural minor arterial. It currently has 4 to 6-foot shoulders with an ADT of 5,000 near the Jacksonville City limits. Its current LTS is 2, which is comfortable for most riders. The segment of South Stage Road from Highway 99 to Hull Road is also classified as a rural minor arterial. It has 4 to 6-foot shoulders with an ADT of 6,500 near Highway 99. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Widen to provide 6-foot shoulders consistent with County standards (consistent with Draft Bicycle Network map).
- Widen to provide 8-foot buffered shoulders.

Table 44: Alternative Analysis for South Stage Road – Highway 99 to Jacksonville

| | ı | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | le /EJ | Environ ment |
|-----------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | | | | \mathbf{O} | igodol | | | igodol | igodot | igodol | 0 | igodot | | 0 | igodol | \bigcirc |
| Buffered Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |

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The buffered shoulders alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for an 8-foot buffered shoulder versus \$385K per mile for a 6-foot shoulder, excluding right-of-way) resulting from approximately an additional two feet of paved area in each direction.

East Vilas Road from Medford City Limits to Foothill Road

This segment of East Vilas Road is classified as a rural major collector. It has 0 to 2 shoulders with an ADT of approximately 2,000. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use signs along both sides of the roadway.
- Widen to provide 6-feet shoulders consistent with County standards (consistent with Draft Bicycle Network map).



Table 45: Alternative Analysis for East Vilas Road – Medford City limits to Foothill Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Fern Valley Road from Phoenix City Limits to Payne Road

This segment of Fern Valley Road is classified as a rural minor collector. It has 0 to 2-foot shoulders with an ADT of approximately 2,500 near Marigold Lane and 1,200 near Payne Road. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

 Install shared-use signs along both sides of the roadways (consistent with Draft Bicycle Network map). Widen shoulders to 4-feet consistent with County standards.

| | 1 | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \bigcirc | | | | 0 | \mathbf{O} | \bigcirc |
| Shoulders | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | ightarrow | |

Table 46: Alternative Analysis for Fern Valley Road – Phoenix City limits to Payne Road

The shoulder bikeway alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bikeways have a significant cost (approximately \$385K per mile for one 6-foot shoulder, excluding right-of-way). Adding shoulder bikeways also provides a safety benefit to all roadway users.

Urban County Roadway Alternatives

The following roadways are classified as urban arterials and collectors and therefore, should provide 5 to 6-foot bike lanes along both sides of the roadway at a minimum per Jackson County standards. Most of the roadways have relatively high travel speeds (>35 mph) and therefore, require a higher level of treatment, or lower posted speeds, in order to reduce the bicycle level of traffic stress (LTS) to a LTS 2. Most urban roadways that provide bicycle lanes could achieve an LTS 2 (which would be suitable for a broad population) with a speed reduction to 25 or 30 mph; however, modifying speeds is not a feasible solution based on existing regulations for posted speeds. Therefore, only capital improvement solutions are identified below. The majority of these improvements will result in LTS 3. For each roadway, a standard bike lane is an option but represents the "no build" solutions. Where an alternative is selected that provides more protection or separation than a standard bike lane, the Draft Bicycle Network map should be updated to identify the roadway as an "Enhanced Bicycle Facility".

West Pine Street from Highway 99 to Hanley Road

This segment of West Pine Street is posted 35 mph and classified as an urban minor arterial. It currently has 4 to 6-foot shoulders with an ADT of approximately 6,000 near Haskell Street. Its current LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

• Widen to provide 6-foot bike lanes consistent with County standards (consistent with Draft Bicycle Network map).

Widen to provide 7-feet buffered bike lanes.

| | | Vlobilit | y | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|------------------------|------------|----------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | | | | 0 | 0 | | | 0 | 0 | \mathbf{O} | 0 | | | 0 | \mathbf{O} | \bigcirc |
| Buffered Bike Lanes | | | | | 0 | 0 | | | 0 | 0 | 0 | 0 | ightarrow | | 0 | 0 | \bigcirc |

Table 47: Alternative Analysis for West Pine Street – Highway 99 to Hanley Road

The buffered bike lane alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way) resulting from approximately an additional two feet of paved area in each direction.

Hanley Road from West Pine Street to Rossanley Drive

The segment of Hanley Road from Beall Lane to Rossanley Drive is classified as a rural major collector. It currently has 4 to 6-foot shoulders with an ADT of 6,000 near Rossanley Drive. Its current LTS is 2, which is comfortable for most riders. The segment of Hanley Road from West Pine Street to Beall Lane is posted 45 mph and classified as an urban major collector. It currently has 4 to 6-foot shoulders and an ADT of approximately 5,000. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Widen to provide 5 to 6-foot bike lanes consistent with County standards (consistent with Draft Bicycle Network map).
- Widen to provide 7-feet buffered bike lanes.

Table 48: Alternative Analysis for Hanley Road – West Pine Street to Rossanley Drive

| | I | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | 0 | 0 | | | 0 | 0 | | | 0 | \bigcirc | \bigcirc | 0 | 0 | | \bigcirc | 0 | \bigcirc |



The buffered bike lane alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way) resulting from approximately an additional two feet of paved area in each direction. Adding bike lanes or buffered bike lanes provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

East Pine Street from I-5 northbound ramps to 500' east of Table Rock Road

This segment of East Pine Street is posted 45 mph and classified as an urban minor arterial. It has 6-foot bike lanes from the I-5 northbound ramps to Table Rock Road and 0 to 2-foot shoulders east of Table Rock Road with an ADT of 15,000. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Widen to provide 6-foot bike lanes consistent with County standards (consistent with Draft Bicycle Network map).
- Widen to provide 7-feet buffered bike lanes.
- Install a shared use path along the north side of the roadway that connects to the Bear Creek Greenway Trail. This alternative is consistent with the recommendations in the I-5 Exit 33 (Central Point) IAMP.

| | | Mobilit | y | | Safety | | | Cost | | | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|------------------------|------------|--------------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | \mathbf{O} | | | 0 | \mathbf{O} | | | \mathbf{O} | ightarrow | \bigcirc | \mathbf{O} | \mathbf{O} | | 0 | \mathbf{O} | \bigcirc |
| Buffered Bike Lanes | 0 | 0 | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ightarrow |
| Shared Use Path | | 0 | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | igodol | 0 | ightarrow |

Table 49: Alternative Analysis for East Pine Street – I-5 northbound ramps to 500' east of Table Rock Road

The buffered bike lane and shared-use path alternatives provide additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane and \$640K per mile for a 10-foot shared-use path versus \$385K per mile for a 6-foot bike lane, excluding right-of-way).

Adding buffered bike lanes or a shared use path provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

Antelope Road from Kirtland Road to Bigham-Brown Road

The segment of Antelope Road from Atlantic Avenue to Bigham-Brown Road is classified as a rural major collector. It currently has 4 to 6-foot shoulders with an ADT of 2,000. Its current LTS is 2, which is comfortable for most riders. The segment of Antelope Road from Kirkland Road to Table Rock Road is classified as an urban industrial collector. It has 4 to 6-foot shoulders with an ADT of 3,000. The segment of Antelope Road from Table Rock Road to 7th Street is classified as an urban major arterial. It has 6-foot bike lanes with an ADT of 13,500. The segment of Antelope Road from 7th Street to Atlantic Avenue is classified as an urban major collector. It has 5-foot bike lanes with an ADT of 8,500 near OR 62. The overall LTS is 3, which is comfortable for a select number of riders. The following alternatives were developed to address this deficiency:

- No-build, all segments currently meet County standards (consistent with Draft Bicycle Network map).
- Widen to provide 7-feet buffered bike lanes.

| | I | Mobilit | y | | Safety | | | Cost | | E | like/Pe | d | Land | Use | Tit VI, | :le /EJ | Environ ment |
|------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Buffered Bike Lanes | | 0 | | | | | | | | | | | | | | | \bigcirc |

Table 50: Alternative Analysis for Antelope Road – Kirtland Road to Bigham-Brown Road

Adding buffered bike lanes provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

Houston Road from Colver Road to Coleman Creek Road

The segment of Houston Road from the Phoenix City limits to Coleman Creek Road is classified as a rural major collector. It has 2 to 4-foot shoulders with an ADT of approximately 1,000. Its current LTS is 2, which is comfortable for most riders. The segment of Houston Road from Colver Road to the Phoenix City limits is posted 45 mph and is classified as an urban major collector. It has 2 to 4-foot shoulders with an ADT of approximately 1,000. Its current LTS is 3, which is comfortable to a select number of riders. The following alternatives were developed to address this deficiency:

Install shared-use pavement marking and/or signs along both sides of the roadways.

Install 5 to 6-foot bike lanes consistent with County standards (*consistent with Draft Bicycle Network map*).

| | 1 | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | \bigcirc | | | | \bigcirc | | \bigcirc | | \bigcirc | \mathbf{O} | \bigcirc |
| Bike Lanes | | | | | \bigcirc | igodot | | | \mathbf{O} | \mathbf{O} | 0 | \mathbf{O} | 0 | | 0 | 0 | \bigcirc |

Table 51: Alternative Analysis for Houston Road – Colver Road to Coleman Creek Road

The bike lane alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bike lanes have a significant cost (approximately \$385K per mile for a 6-foot bike lane, excluding right-of-way).

East Main Street (Ashland) from Walker Road to OR 66

This segment of East Main Street is posted 45 mph between Walker Road and Tolman Creek Road and 40 mph between Tolman Creek Road and OR 66 and is classified as an urban local street (The proposed functional classification changes described later in this report include changing East Main Street from a urban local street to a urban major collector). It has 4 to 6-foot shoulders. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use pavement marking and/or signs along both sides of the roadways.
- Install 5 to 6-foot bike lanes consistent with County standards (*consistent with Draft Bicycle Network map*).

| | I | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | Use | Tit VI, | ile /EJ | Environ ment |
|-------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shared-Use | | | | | | | 0 | | | | \mathbf{O} | | \mathbf{O} | | igodol | \mathbf{O} | \bigcirc |
| Bike Lanes | | | | | 0 | 0 | | | 0 | 0 | \mathbf{O} | 0 | 0 | | 0 | 0 | \mathbf{O} |

Table 52: Alternative Analysis for East Main Street (Ashland) – Walker Road to OR 66

The bike lane alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bike lanes have a significant cost (approximately \$385K per mile for a 6-foot bike lane, excluding right-of-way).

North Phoenix Road from Medford City limits to Barnett Road

The segment of North Phoenix Road from the Medford City limits to Barnett Road is posted 45 mph and classified as an urban minor arterial. It has 4 to 6-foot shoulders with an ADT of approximately 7,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install 6-foot bike lanes consistent with County standards (consistent with Draft Bicycle Network map).
- Widen to provide 7-feet buffered bike lanes.

Title Environ Bike/Ped Land Use Mobility Safety Cost VI/EJ ment Potential Funding Accommodating Users **Existing Funding** Complete Stree Identified Need Crash reduction Safety Conflicts Transportation Neighborhood Environmental Cost Estimate Development Mode Choice Travel time Compliance Congestion Economic Impacts Impacts Freight Active Alternative Bike Lanes **Buffered Bike** Lanes

Table 53: Alternative Analysis for North Phoenix Road – Medford City limits to Barnett Road

The buffered bike lane alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way) resulting from approximately an additional two feet of paved area in each direction.

Foothill Road from Hillcrest Road to Medford City Limits

This segment Foothill Road is posted 45 mph and classified as an urban minor arterial. It has 0 to 2-foot shoulders with an ADT of approximately 5,000. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

 Install 6-foot bike lanes consistent with County standards. This alternative is consistent with STIP project number #19231 which involves widening Foothill Road from Hillcrest Road to McAndrews Road and the provision of 6-foot bicycle lanes on both sides of the roadway. Install a shared-use path along one side of the roadway (consistent with Draft Bicycle Network map).

| | | Mobilit | y | | Safety | | | Cost | | E | ike/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | | | | \bigcirc | ightarrow | | | \bigcirc | ightarrow | \bigcirc | \bigcirc | \bigcirc | | \bigcirc | \bigcirc | \bigcirc |
| Shared Use Path | | | | | 0 | 0 | | | \mathbf{O} | \bigcirc | \bigcirc | \bigcirc | 0 | | igodot | \mathbf{O} | |

Table 54: Alternative Analysis for Foothill Road – Hillcrest Road to Medford City limits

The shared-use path alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$640K per mile for a 10-foot shared-use path lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way).

East Vilas Road from OR 62 to Medford City Limits

This segment of East Vilas Road is posted 45 mph and is classified as an urban minor arterial. It has 0 to 2-foot shoulders with an ADT of approximately 14,500 near the Medford city limits. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install 6-foot bike lanes consistent with County standards (consistent with Draft Bicycle Network map).
- Widen to provide 7-feet buffered bike lanes.

Table 55: Alternative Analysis for East Vilas Road – OR 62 to Medford City limits

| | 1 | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | | | | \mathbf{O} | 0 | | | \mathbf{O} | 0 | ightarrow | \mathbf{O} | \mathbf{O} | | ightarrow | \mathbf{O} | \bigcirc |
| Buffered Bike Lanes | | | | | 0 | \bigcirc | | | \mathbf{O} | \bigcirc | \bigcirc | \mathbf{O} | 0 | | ightarrow | \mathbf{O} | |

The buffered bike lane alternative provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way) resulting from approximately an additional two feet of paved area in each direction.

Fern Valley Road from North Phoenix Road to Phoenix City Limits

This segment of Fern Valley Road is posted 30 mph and is classified as an urban minor arterial. It has 0 to 2-foot shoulders with an ADT of approximately 2,500. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

- Install shared-use pavement marking and/or signs along both sides of the roadways.
- Widen to provide 6-feet bike lanes consistent with County standards (*consistent with Draft Bicycle Network map*).



Table 56: Alternative Analysis for Fern Valley Road – North Phoenix Road to Phoenix City limits

The bike lane alternative provides separation for cyclists from vehicles and would be comfortable for a broader population than a shared-use facility; however, constructing shoulder bike lanes have a significant cost (approximately \$385K per mile for a 6-foot bike lane, excluding right-of-way).

Table Rock Road from Morningside to Kirtland Road

This segment of Table Rock Road is posted 45 mph and classified as an urban minor arterial from I-5 to Elmhurst Road, and Urban Major arterial from Elmhurst Road to Kirkland Road. It has 2 to 4-foot shoulders from I-5 to Biddle Road, 4-foot shoulders from Biddle Road to Wilson Road, and 4 to 6 foot shoulders from Wilson Road to Kirkland Road with an ADT of approximately 18,000 near Vilas Road, 15,000 near Elmhurst Road, and 7,000 near Kirkland Road. Its current LTS is 4, which is uncomfortable for most riders. The following alternatives were developed to address this deficiency:

 Widen to provide 6-foot bike lanes on both sides of the roadway consistent with County standards. This is consistent with STIP project 18974, which involves widening Table Rock Road from I-5 to Biddle Road to provide 3 to 5 travel lanes and bike lanes as well as curb gutter and sidewalk. It is also consistent with MTIP project 812, which involves widening Table Rock Road from Wilson Road to Elmhurst Road.

- Widen to provide 7-feet buffered bike lanes (consistent with Draft Bicycle Network map designation of Enhanced Bikeway).
- Install a cycle track or separated bikeway on one or two sides of the roadway (consistent with Draft Bicycle Network map designation of Enhanced Bikeway).

| | | Mobilit | ý | | Safety | | | Cost | | E | Bike/Pe | d | Land | l Use | Tit VI, | tle /EJ | Environ ment |
|------------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Bike Lanes | | 0 | | | 0 | ightarrow | | | \mathbf{O} | ightarrow | 0 | | \mathbf{O} | | ightarrow | | \bigcirc |
| Buffered Bike Lanes | 0 | 0 | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \bigcirc |
| Cycle tracks | 0 | 0 | | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \bigcirc |

 Table 57: Alternative Analysis for Table Rock Road – Morningside to Kirtland Road

The buffered bike lane and cycle track alternatives provides additional separation for cyclists from vehicles and would be comfortable for a broader population than a standard bike lane; however, they have greater costs (approximately \$450K per mile for a 7-foot buffered bike lane versus \$385K per mile for a 6-foot bike lane, excluding right-of-way). Cycle tracks have greater costs than buffered bike lanes depending upon the treatment used to provide separation (approximately 625K per mile for a 7-foot cycle track with curb separation). Adding bike lanes, buffered bike lanes, or cycle tracks provides improved mobility for freight vehicles along this freight route and a safety benefit to all roadway users.

Other County Roadways

Other rural and urban County roadways are shown in Figure 12 as County Bikeways, County Shared Roadways, or as undesignated routes. Many of these facilities currently lack bicycle facilities and therefore, would benefit from many of the same alternatives described above. Roadways identified as County Bikeways will have a project identified for them in the unconstrained TSP. Shared Roadways may have minor signage and striping projects identified but undesignated routes are not proposed to have a project identified in the TSP.

PEDESTRIAN ALTERNATIVES

Pedestrian needs within the rural areas are primarily addressed through the addition of shoulders on both sides of the roadway that serve pedestrians and bicyclists. However, there are several areas throughout Jackson County where concentrations of pedestrian activity may warrant the need for additional pedestrian facilities, such as sidewalks or shared use paths. Based on discussions within Jackson County staff, these areas include Prospect, Foots Creek, Ruch, and Wimer.

Prospect

- Install sidewalks on one or two sides of Mill Creek Road from Butte Falls-Prospect Road to 1st Street.
- Install a shared-use path on one side of Mill Creek Road from Butte Falls-Prospect Road to 1st Street.

| | I | Mobilit | Ŷ | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Sidewalks | | | | | | 0 | | ightarrow | \mathbf{O} | 0 | ightarrow | \mathbf{O} | 0 | | 0 | \mathbf{O} | |
| Shared-Use Path | | | | | | 0 | | 0 | \mathbf{O} | \bigcirc | \bigcirc | 0 | \bigcirc | | \bigcirc | \bigcirc | |

Table 58: Alternative Analysis for Prospect

Foots Creek

- Install a >6-foot shoulder (exceeds County standard) on one or two sides of Rogue River Highway (OR 99) from approximately ¼ mile west of Foots Creek Road to ¼ mile east of Foots Creek Road.
- Install a shared-use path on one side of Rogue River Highway (OR 99) from approximately ¼ mile west of Foots Creek Road to ¼ mile east of Foots Creek Road.
- Install a >6-foot shoulder (exceeds County standard) on one or two sides of Foots Creek Road from approximately ¼ mile south of Rogue River Highway (OR 99) to Rogue River Highway (OR 99).
- Install a shared-use path on one side of Foots Creek Road from approximately ¼ mile south of Rogue River Highway (OR 99) to Rogue River Highway (OR 99).

Table 59: Alternative Analysis for Foots Creek

| | I | Mobilit | y | | Safety | | | Cost | | B | Bike/Pe | d | Land | Use | Tii VI, | tle /EJ | Environ ment |
|-----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | ldentified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulder | | | | | 0 | 0 | | | | 0 | 0 | \mathbf{O} | | | 0 | \mathbf{O} | |
| Shared-Use Path | | | | | | 0 | | 0 | 0 | 0 | 0 | \bigcirc | \bigcirc | | 0 | ightarrow | |

Ruch

- Install a >6-foot shoulder (exceeds County standard) on one or two sides of Upper Applegate Road from approximately ½ mile south of Medford Provolt Highway (OR 238) to Medford Provolt Highway (OR 238).
- Install a shared-use path on one side of Upper Applegate Road from approximately ½ mile south of Medford Provolt Highway (OR 238) to Medford Provolt Highway (OR 238).

Title Environ Safety Bike/Ped Land Use Mobility Cost VI/EJ ment **Potential Funding** Accommodating Users **Existing Funding** Crash reduction Complete Street dentified Need Safety Conflicts Transportation Neighborhood Environmental Cost Estimate Development Mode Choice Compliance **Travel** time Congestion Economic Impacts mpacts Freight Active Alternative Shoulder Shared-Use Path

Table 60: Alternative Analysis for Ruch

Wimer

- Install a >6-foot shoulder (exceeds County standard) on one or two sides of E Evans Creek Road from approximately ¼ mile west of Covered Bridge Road to ¼ mile east of Covered Bridge Road.
- Install a shared-use path on one side of E Evans Creek Road from approximately ¼ mile west of Covered Bridge Road to ¼ mile east of Covered Bridge Road.



| | I | Mobilit | y | | Safety | | | Cost | | B | like/Pe | d | Land | Use | Tit VI, | tle /EJ | Environ ment |
|-----------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Shoulder | | | | | 0 | 0 | | | | \mathbf{O} | 0 | \mathbf{O} | 0 | | 0 | 0 | |
| Shared-Use Path | | | | | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |

PEDESTRIAN AND BICYCLE ALTERNATIVES WITHIN UGBS

The pedestrian and bicycle alternatives with the Urban Growth Boundaries (UGBs) of the incorporated cities primarily consist of sidewalks and on-street bike lanes consistent with Jackson County Standards. Each City's TSP may identify if different treatments are viable or desirable along County roadways within their city. Attachment "A" contains a comprehensive list of County facilities within UGBs and a summary of the pedestrian and bicycle system alternatives for each facility.

Pedestrian and bicycle facilities within the City of Gold Hill were evaluated as part of the I-5 Exit 40 and Exit 43 Interchange Area Management Plans (IAMP).

2nd Avenue/Blackwell Road

Exit 40 and Access Road provide access to the City of Gold Hill and surrounding recreational areas. However, the continuity of access for non-motorized users is sporadic. The Exit 40 IAMP developed a concept that considers a 2nd Avenue bridge undercrossing as well as a multi-use path linking Access Road with the cantilevered path on the east side of the bridge.

With this concept it is possible to avoid crossing 2nd Avenue/Blackwell Road, instead rerouting users to a multi-use path between Upper River Road and Access Road, under the railroad and Gold Hill bridges. This connection would remove the conflicts between motorized and non-motorized modes while still providing a safe crossing opportunity and access to nearby recreational sites. A connection between the 2nd Avenue Bridge and this multi-use path is also considered; however, because this connection could also be combined with other improvements, its benefits and impacts are itemized separately.

The following alternatives were developed as part of the IAMP to improve the multimodal system within Gold Hill:

- Construct multiuse path from Upper River Road to Access Road under east end of bridge
- Provide access to bridge crossing (connection)





Bridge facilities within the City of Gold Hill were also evaluated as part of the I-5 Exit 40 and Exit 43 IAMPs. Two facilities were identified for potential improvements as described below.

2nd Avenue (OR 99) Bridge

The link between downtown Gold Hill and Exit 40 is provided by the Gold Hill Bridge (ODOT Bridge 00576). It is a historic 2-lane structure that is 20 feet wide, built in 1927. In 1995 a 6 foot cantilevered path was added to the south side to provide a separated non-motorized access across the river to and from the city. To the north is a railroad bridge that closely parallels the Gold Hill Bridge.

Pedestrians primarily use the cantilevered path for travel in both directions across the bridge. The width is constraining when passing another user. Bicyclists can either chose to ride with traffic across the bridge or along the cantilevered path, depending on the riders comfort level. Operationally, passing opposing users and serving a mix of mode types on the cantilevered pathway is an issue. Additionally, westbound travelers who start or end their trip on the north side of the roadway have to cross to the south side to gain access to the existing pathway.

The following alternatives were developed as part of the IAMP to improve multimodal options across the Gold Hill Bridge:

- Add signage that alerts motorists that non-vehicular traffic may share the roadway
- Widen the existing cantilevered pathway along the south side of the bridge
- Install a new cantilevered pathway on the north side of the roadway
- Construct a new multiuse path bridge connecting the Gold Rogue Sports Park to Upper River Road, north of the railroad bridge (approximately 250' in length)



| | I | Mobilit | y | | Safety | | | Cost | | | Bike/Pe | d | Land | l Use | Ti [:] VI, | tle /EJ | Environ ment |
|-----------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|-------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Signage | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ightarrow |
| Widen | | | | | | | | | 0 | 0 | 0 | 0 | | | 0 | 0 | \mathbf{O} |
| New Path | 0 | | | 0 | \bigcirc | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| New Multi-use Path | | | | | 0 | 0 | | | 0 | 0 | 0 | \mathbf{O} | | | 0 | 0 | |

Rogue River Bridge

The Rogue River Bridge is a historic structure built in 1919. The railing was recently replaced in 2010. However, the travel lanes are still only 9-feet wide. The total structure width is 19 to 20-feet leaving no room for bicycle or pedestrian facilities.

- Add signage that alerts motorists that non-vehicular traffic may share the roadway
- Install new cantilevered pathways on both sides of the bridge
- Construct a new multiuse path structure and maintain the aesthetics of the historic bridge. The structure is assumed to be located at the nearest narrow section which was assumed to be the connection between Main Street and N. River Road directly to the north.

Table 64: Alternative Analysis for Rogue River Bridge

| | 1 | Mobilit | y | | Safety | | | Cost | | B | ike/Pe | d | Land | l Use | Tit VI, | tle /EJ | Environ ment |
|-----------------------|------------|---------|-------------|-----------------|-----------------|------------------|---------------|------------------|-------------------|------------------------|--------------------------|-----------------|-------------------------|------------|-------------------------|--------------|--------------------------|
| Alternative | Congestion | Freight | Travel time | Identified Need | Crash reduction | Safety Conflicts | Cost Estimate | Existing Funding | Potential Funding | Accommodating Users | Active Transportation | Complete Street | Economic Development | Compliance | Neighborhood Impacts | Mode Choice | Environmental Impacts |
| Signage | | | | | | | 0 | 0 | 0 | 0 | \mathbf{O} | \mathbf{O} | | | 0 | | \bigcirc |
| New Path | | | | | 0 | \mathbf{O} | | | 0 | 0 | \mathbf{O} | \mathbf{O} | \bigcirc | | 0 | \mathbf{O} | • |
| New Multi-use Path | | | | | \bigcirc | 0 | | | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |

ROADWAY SYSTEM CLASSIFICATION CHANGES

The proposed functional classification of roadways within Jackson County was developed based on a review of the existing Jackson County TSP and direction provided by County staff. Several roadway system classification changes have been proposed to align with existing use and defined characteristics. These changes primarily increase the classification of the roadways from local streets to minor or major collectors; however, a few changes also decreased the classification; the most common being from major arterial to minor arterial. Table 65 summarizes the proposed changes in functional classification.

| Street | Segment | Existing Classification | Future Classification |
|----------------------------|---|-------------------------|---------------------------|
| 11th Street (White City) | Antelope Road to Avenue G | Local | Industrial Collector (WC) |
| 1st Street (Prospect) | Highway 62 to Mill Creek Drive | Local | Major Collector |
| 24th Street (White City) | Avenue A to Avenue C | Local | Minor Collector (WC) |
| 25th Street (White City) | Antelope Road to Avenue C | Major Collector (WC) | Local |
| 3rd Street (White City) | Antelope Road to Avenue C | Local | Industrial Local (WC) |
| 7th Street (White City) | Antelope Road to Avenue C | Local | Industrial Collector (WC) |
| Agate Road | Avenue G to Leigh Way | Industrial Collector | Minor Arterial |
| Airport Road | Table Rock Road to 750' E. of Biddle Road | Local | Major Collector |
| Alta Vista Road | Bigham Brown Road to Riley Road | Local | Minor Collector |
| Antelope Road | Table Rock Road to 7th Street | Major Arterial (WC) | Minor Arterial |
| Atlantic Avenue | Avenue H to Cole Drive | ? | Major Collector (WC) |
| Avenue C | Pacific Avenue to 7th Street | Local | Industrial Collector (WC) |
| Avenue G | Kirtland Road to Agate Road | Industrial Collector | Minor Arterial |
| Avenue G | Agate Road to OR 62 | Industrial Collector | Minor Arterial |
| Beebe Road | Hamrick Road to Gebhard Road | Local | Minor Collector |
| Bullock Road | Highway 62 to 3050' North | Local | Minor Collector |
| Blackwell Road | I-5 Interchange to Kirtland Road | Major Collector | Minor Arterial |
| Camp Baker Road | Colver Road to Hilsinger Road | Local | Minor Collector |
| Cherry Lane | Mary Bee Lane to Hillcrest Road | Local | Minor Collector |
| Coker Butte Road | Springbrook Road to Foothill Road | Local | Minor Collector |
| Crater Lake Avenue | 0.61 Miles North of Vilas Road to Corey Road | ? | Minor Collector |
| Cunningham Avenue | Columbus Avenue to Orchard Home Drive | Local | Major Collector |
| Diamond Street | Kings Highway to Peach Street | Local | Minor Collector |
| Division Road | Avenue G to Avenue H | Local | Major Collector (WC) |
| Dodge Road | Highway 234 to Antioch Road | Local | Minor Collector |
| Downing Road | Gibbon Road to West Gregory Road | Local | Minor Collector |
| East Antelope Road | Dry Creek Road to Wren Ridge Drive | Local | Minor Collector |
| East Main Street (Ashland) | Highway 66 to End | Local | Major Collector |
| Evans Creek Road | Meadows Road to Antioch Road | Local | Minor Collector |
| Fern Valley Road | Highway 99 to Bridge | Arterial | Minor Arterial |
| Fern Valley Road | North Phoenix Road to Meadow View Drive | Minor Collector | Major Collector |
| Gebhard Road | Beebe Road to Wilson Road | Local | Minor Collector |
| Gladstone Avenue | Avenue A to Falcon Street | Local | Minor Collector (WC) |
| Grant Road | Beall Lane to Scenic Avenue | Local | Minor Collector |
| Hamrick Road | Biddle Road to South Intersection Table Rock Road | Local | Minor Collector |

Table 65: Proposed Changes in Functional Classification

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| Street | Segment | Existing Classification | Future Classification |
|------------------------------------|--|-------------------------|-----------------------|
| Hillcrest Road | Foothill Road to Bel Air Court | Local | Minor Collector |
| Hillcrest Road | Monterey Drive to 1500' West Of Cherry Lane | Local | Minor Collector |
| Hilsinger Road | Colver Road to 200' North of 1st Street | Local | Minor Collector |
| Hilsinger Road | Pacific Avenue to Camp Baker Road | Local | Minor Collector |
| Kirtland Road | Blackwell Road to White City boundary | Major Collector | Minor Arterial |
| Kirtland Road | White City boundary to Avenue G | Industrial Collector | Minor Arterial |
| Lampman Road | Highway 234 to Rogue River Drive | ? | Minor Collector |
| Minthorne Road | East Evans Creek Road to West Evans Creek Road | Local | Minor Collector |
| Modoc Road | Table Rock Road to Highway 234 | Minor Collector | Major Collector |
| North Applegate Road | Highway 238 to County Line | Major Collector | Minor Collector |
| North Valley View Road | West Valley View Road to Carter Lane | Local | Minor Collector |
| Old Pacific Highway | Highway 99 to Talent City Limits | Local | Minor Collector |
| Old Stage Road | Interstate 5 to End | ? | Minor Collector |
| Orchard Home Drive | Stewart Avenue to Stage South Road | Local | Minor Collector |
| Peach Street | Garfield Street to Archer Drive | Local | Minor Collector |
| Peninger Road | East Pine Street to Upton Road | ? | Minor Collector |
| Pleaseant Creek Road | West Evans Creek Road to Ditch Creek | Local | Minor Collector |
| Pooman Creek Road | Summit Avenue to Sterling Creek Road | Local | Minor Collector |
| Ross Lane North | McAndrews Road to Highway 238 | Local | Major Collector |
| Royal Avenue | Old Highway 62 to West Main Street | Local | Major Collector |
| Sage Road | Rossanley Drive to Highway 99 | Local | Major Collector |
| South Fork Little Butte Creek Road | Lake Creek Loop Road to Lost Creek Road | Local | Minor Collector |
| Stevens Road | Cascade View to Riley Road | Local | Minor Collector |
| Sunset Drive | Stage South Road to Orchard Home Drive | Local | Minor Collector |
| Table Rock Road | Airport Road to White City Boundary | Arterial | Minor Arterial |
| Table Rock Road | White City Boundary to Kirtland Road | Major Arterial (WC) | Minor Arterial |
| Table Rock Road | Kirtland Road to Modoc Road | Arterial | Minor Arterial |
| Thomas Road | Stewart Avenue to Sunset Drive | Local | Minor Collector |
| Tresham Lane | Table Rock Road to Highway 234 | Local | Minor Collector |
| West Evans Creek Road | Queens Branch to Pleasant Creek | Local | Minor Collector |
| West Fork Griffin Creek Road | Griffin Creek to Summit Avenue | Local | Minor Collector |
| West Gregory Road | Downing Road to Table Rock Road | Local | Minor Collector |
| Wilson Road (Medford) | Table Rock Road to Upton Road | Local | Major Collector |

"?" = Roadways that were not constructed or were not County roadways during the last TSP update.

The changes shown in Table 65 will impact the design standards applied to the roadways. Changes from a local street to a minor or major collector will include the addition of shoulders or on-street bike lanes. The proposed functional classification for the existing and planned roadways within Jackson County is shown in Figure 13.

FREIGHT ALTERNATIVES

In 2012, The Rogue Valley Metropolitan Planning Organization (RVMPO) released the *Freight Study Report*. The report provides a comprehensive review of existing freight conditions and recommendations for solutions to the three primary deficiencies within the RVMPO service area of Jackson County, including a lack of alternative routes, out-of-direction travel and regulator issues, such

as size and weight restrictions. The projects listed in the *Freight Study* that have not yet been completed will be included in the draft TSP.

Freight Routes

County designated freight routes that augment and support ODOT's Motor Carrier Transportation Division (MCTD) freight routes can ensure that the County plans for and provides alternative routes that minimize out-of-direction travel and regulatory restrictions for efficient freight movement. The proposed Jackson County designated freight routes are shown in Figure 14. The following provides a summary of the freight routes by roadways:

- 11th Street (White City) Antelope to Avenue G
- 7th Street (White City) Antelope to Avenue C
- Agate Road Avenue G to Leigh Way
- Agate Road Leigh to Highway 62
- Antelope Road Table Rock Road to Division
- Avenue C Pacific to 7th
- Avenue G Agate to Highway 62
- Avenue G Pacific Avenue to Agate Road
- Biddle Road Hamrick to 500 feet east of Table Rock Road
- Bullock Road Highway 62 to 3050 feet north
- Butte Falls/Fish Lake Road Laurel to Highway 140
- Butte Falls/Prospect Road Butte Falls/Fish Lake to Mill Creek
- Butte Falls Road Highway 62 to Laurel
- Dead Indian Memorial Road Highway 66 to County line
- Dry Creek Road East Antelope to End
- East Antelope Road OR 140 to Dry Creek Road
- East Pine Street 10th to Table Rock Road
- East Vilas Road Table Rock Road to Highway 62
- Elk Creek Road Highway 62 to Greyback
- Hamrick Road Biddle to south intersection with Table Rock Road
- Hanley Road Beall to Highway 238
- Kirtland Road Blackwell Road to Pacific Avenue

- Leigh Way Agate Road to OR 62McAndrews Road 500 feet westerly of Jackson to North Ross
- North Phoenix Road Barnett to State Frontage
- OR 140 I-5 Exit 35 to OR 62
- Pacific Avenue Antelope to Kirtland
- Sage Road Rossanley to Highway 99
- Table Rock Road Airport to Kirtland
- Table Rock Road Interstate 5 to Airport
- Tiller Trail Highway Highway 62 to County line
- West Antelope Road Kirtland to Table Rock Road
- West Main Street Renault to Hanley
- West Vilas Road Table Rock Road to 850 feet west

Each of these roadways should provide adequate travel lane width for freight movement as well as separate facilities for pedestrian and bicycle activity, such as sidewalks and bike lanes in the urban areas and wide shoulders in the rural areas. Adequate turning radii should also be provided at all major intersections along these roadways to ensure efficient freight travel.

NEXT STEPS

The alternatives presented in this memo will be reviewed with the TAC and the CAC. Based on their input, a preferred alternative will be selected for each deficiency. These projects will be carried forward for potential inclusion in the draft TSP. The projects will then be prioritized in order to develop a cost constrained plan.

Map Atlas



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Layout Tab: Fig07









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Attachment A Pedestrian and Bicycle Alternatives within UGBs City of Ashland

| | City | y of Ashla | ind | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|----------------------|--|------------|--------|----------|-------|------|------|----------|------------|------|----------------|----------------|-----------------------|-----------------------|
| Deed Name | Commont of Dood | | County | Roads In | nside | | Loc | al Acces | s Rd Insid | de | Bik | e Lanes | Side | ewalks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Ashland Mine Road | City Limits - 2620' S. of Frank Hill Road | | | 0.63 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Clay Street | Frontage Rd. S. of Hwy 66 - Siskiyou Blvd | 0.48 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Clay Street | E. Main St Frontage Rd. N. of Hwy 66 | 0.48 | | | | | | | | | New Bike Lanes | New Bike Lanes | Fill in Sidewalk Gaps | Fill in Sidewalk Gaps |
| Clay Street | 1,449' S. of Hwy Siskiyou Blvd - Dead End | 0.11 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Crowson Road | Hwy 99 - 185' Southwest of Benson Way | | 0.14 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Crowson Road | Benson Way - 185' Southwest | 0.04 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Crowson Road | Benson Way - I-5 | | 0.09 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Crowson Road | I-5 - Hwy 66 | | 0.44 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Dead Indian Mem. Rd. | Hwy 66 - 350' Northeasterly | 0.07 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Dead Indian Mem. Rd. | 350' - 600' Northeasterly of Hwy 66 | | 0.05 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Dead Indian Mem. Rd. | 600' NE of Hwy 66 - 920' N. Emigrant Ck Rd | | | 0.53 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | Hwy 66 - 500' North | 0.09 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | 500' -1415' Northwesterly of Hwy 66 | | 0.17 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | 1415' - 1465' Northwesterly of Hwy 66 | 0.01 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | 1465' - I-5 | | 0.54 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | I-5 to 175' West | 0.04 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Main Street | 175' - 700' East of Walker Street | | 0.62 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Hidden Lane | Hwy 66 - 500' Northeast | | | | | | | 0.09 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Jackson Road | Hwy 99 - No Name Road | | 0.20 | | | | | | | | New Bike Lanes | New Bike Lanes | Fill in Sidewalk Gaps | Fill in Sidewalk Gaps |
| Jackson Road | No Name Road - 310' East | | | 0.06 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Maywood Way | Hidden Lane - 225' East | | | | | | | 0.04 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| No Name Road | Jackson Road - 610' North | | | 0.12 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Pape Street | Wimer Street - 630' North | | | | | | | 0.12 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Paradise Lane | Peachey Road - 500' South | 0.09 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Peachey Road | Walker Avenue - Hillview Drive | 0.22 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Prather Street | Wimer Street - 630' North | | | | | | | 0.12 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Tolman Creek Road | Siskiyou Blvd South City Limits | 0.55 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Walker Avenue | City Limits - 665' South | | | 0.13 | | | | | | | | | Fill in Sidewalk Gaps | Fill in Sidewalk Gaps |
| West Jackson Road | Hwy 99 - 1075' Northwesterly | | 0.20 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Wimer Street | City Limits - 330' West | | | | | | | 0.06 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| Totals | | 2.18 | 2.45 | 1.47 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 |) | | | |

| | City of | Butte F | alls | | | | | | | | | Pedestrian and B | icycle Alternatives | |
|--------------------------|-----------------------------------|---------|--------|----------|-------|------|------|----------|-----------|------|----------------|------------------|---------------------|---------------|
| Road Name | Sogmont of Road | | County | Roads In | iside | | Loca | I Access | Rds Insic | de | Bike | Lanes | Side | walks |
| nuau Name | Segment of Hoad | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Butte Falls Road | West city limits to Laurel Avenue | 0.63 | | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Butte Falls-Fish Lake Rd | Broad Street to east city limits | 0.31 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Totals | | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

| | City of | Central | Point | | | | | | | | | Pedestrian and E | Bicycle Alternatives | |
|------------------------|---|---------|--------|---------|-------|------|-------|--------|---------|------|------------------|------------------|----------------------|-----------------|
| Read Name | Segment of Bood | | County | Roads I | nside | | Local | Access | Rds Ins | ide | Bike | Lanes | Side | walks |
| noau Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Beall Lane | Merriman Road - Hwy 99 East R/W | | | 0.73 | | | | | | | | | | |
| Beall Lane | Hwy 99 West R/W - Grant Road | | | 1.50 | | | | | | | | | | |
| Beall Lane | Grant Road - Old Stage Road | | | | 0.84 | | | | | | | | | |
| Beebe Road | Hamrick Road - 450' West | | 0.09 | | | | | | | | | | | |
| Beebe Road | 450' - 615' West of Hamrick Road | 0.03 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Beebe Road | 615' - 1770' West of Hamrick Road | | 0.22 | | | | | | | | | | | |
| Beebe Road | 1770' - 2260' Westerly of Hamrick Road | | | | 0.09 | | | | | | | | | |
| Biddle Road | Hamrick Road - 730' East | | 0.14 | | | | | | | | | | | |
| Biddle Road | 730' - 1440' East of Hamrick Road | 0.13 | | | | | | | | | | | | |
| Biddle Road | 1440' E of Hamrick Road - Table Rock Road | | 0.12 | | | | | | | | | | | |
| Blackwell Road | Kirtland Rd - 1660' Westerly of Tolo Rd | | | | | 0.64 | | | | | | | | |
| Blackwell Road | 1660' Westerly of Tolo Rd - Villa Lane | | | | 0.45 | | | | | | | | | |
| Blue Jav Lane | Grant Road - Oak Pine Way | | | | 0.09 | | | | | | | | | |
| Boes Avenue | Teresa Way - 250' West of Raymond Way | 0.14 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Bursell Boad | Beall Lane - 230' North of Beall Lane | | | 0.04 | | | | | | | | | | |
| Bursell Road | 230' N of Beall Ln - 110' S of Pittview Ave | | 0.26 | | | | | | | | | | | |
| Bursell Boad | 110' S of Pittview - Hemlock Avenue | 0.09 | | | | | | | | | New Rike Lanes | New Rike Lanes | | New Sidewalks |
| Carlton Avenue | Tulane Avenue - Sunland Avenue | 0.05 | 0.18 | | | | | | | | New Bike Lanes | New Bike Edites | | New Sidewalks |
| Dean Creek Road | Blackwell Boad - 4960' Southeast | | 0.10 | | | 0 94 | | | | | | | | |
| East Pine Street | 10th Street - West R/W of I-5 | 0.12 | | | | 0.54 | | | | | | | | |
| East Pine Street | Fast B/W of I-5 - 1150' Fast | 0.12 | | 0.22 | | | | | | | | | | |
| East Pine Street | 1150' E of L5 East P/W - Hamrick Road | 0.23 | | 0.22 | | | | | | | | | New Sidewalks | New Sidewalks |
| Edella Avenue | Beall Lane - 1630' North | 0.23 | 0.31 | | | | | | | | | | New Sidewalks | IVEW SILLEWAIKS |
| Edella Avenue | Beall Lane - 740' North | | 0.51 | | | | 0.14 | | | | | | | |
| Edwina Avenue | Sulvia Road Balomina Driva | | | | 0.50 | | 0.14 | | | | | | | |
| Cobbard Road | Roobe Road - 400' Northerly | 0.09 | | | 0.30 | | | | | | Now Pike Lanes | Now Pike Lanes | Now Sidowalks | Now Sidowalks |
| Gebhard Road | 400' Northerly of Reebe Rd Aristona St | 0.08 | | 0.65 | | | | | | | New Dike Lattes | New Dike Lattes | New Sidewalks | New Sidewalks |
| Gebhard Road | Aristona St - Wilson Rd | | | 0.05 | 0.25 | | | | | | | | | |
| Grant Road | Real Lane Taylor Read | | | 0.95 | 0.25 | | | | | | | | | |
| Grant Road | Taylor Road 2660' North of Taylor Road | | | 0.83 | | | | | | | | | | |
| Grant Road | 2660' North of Taylor Road - Seenic Avenue | | | 0.31 | 0.62 | | | | | | | | | |
| Graan Acros Drivo | Reall Lane Balemine Drive | | | | 0.02 | | | | | | | | | |
| Hamrick Bood | Table Back Bood (20' West | | 0.12 | | 0.19 | | | | | | | | | |
| Hamrick Road | 1 able Rock Road - 620 West | 0.26 | 0.12 | | | | | | | | New Bike Lenes | New Bike Lenes | New Cidewalks | |
| Hammick Road | Biddle Baad, 1250 Cauth of Biddle Baad | 0.20 | | | | | | | | | New Bike Laries | New Bike Laries | New Sidewalks | |
| Hanley Bood | Most Dipo St. 400' SW of West Dipo St. | 0.24 | 0.09 | | | | | | | | INEW DIKE Lattes | INEW DIKE Laties | INEW SILLEWAIKS | |
| Hanley Road | West Pine St - 400 SW of West Pine St | 0.22 | 0.08 | | | | | | | | New Bike Lenes | Now Dike Longs | New Cidewalks | Now Cidowalka |
| Halley Road | 400 - 1385 SW OF West Pine St | 0.22 | 0.11 | | | | | | | | INEW DIKE Lattes | INEW DIKE Laties | INEW SILLEWAIKS | INEW SIDEWAIKS |
| Hanley Road | 1585 SW of West Pine St - Beall Lin | | 0.11 | | 0.20 | | | | | | | | | |
| Hanley Road | Beall Lane - 1890 South of Beall Lane | | | | 0.36 | 0.10 | | | | | | | | |
| Hanley Road | 1890° - 2420° South of Beall Lane | | | | | 0.10 | | | | 0.44 | | | | |
| Jaybee Lane | Hwy 99 - 580 North of Hwy 99 | | | | | | | | 0.24 | 0.11 | | | | |
| Lark Lane | Jaybee Lane - 1275' East of Jaybee Lane | | 0.07 | | | | | | 0.24 | | | | | |
| LIDDy Street | Edella Avenue - Bursell Road | | 0.07 | | | | | | 0.61 | | | | | |
| Merita Terrace | | | | | | | | | 0.61 | | | | | |
| New Ray Road | Grant Road - Oak Pine Way | | | | 0.45 | | | | 0.23 | | | | | |
| New Ray Road | Oak Pine Way - 780' SW of Oak Pine Way | _ | | | 0.15 | | | | | - | | | | |
| New Ray Road | 780' SW of Oak Pine Way - Beall Lane | | | | | | | | 0.23 | | | | | |
| Oak Pine Way | 220' N of Blue Jay Lane - Blue Jay Lane | | | | | | | | 0.04 | | | | | |
| Oak Pine Way | Blue Jay Ln - 525' S of New Ray Rd | _ | | | 0.27 | | | | | | | | | |
| Old Stage Road | Sylvia Road - Beall Lane | | | | | 0.36 | | | | | | | | |
| Old Upton Road (North) | Upton Road - 200' West of Upton Road | | ļ | 0.04 | | | | | | | | | | |
| Old Upton Road (North) | 200' West of Upton Road - Raymond Way | 0.14 | L | | | | | L | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Old Upton Road (South) | Upton Road - West I-5 R/W | 0.07 | | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Palomino Drive | Green Acres Drive - Freeland Road | | | | 0.06 | | | | | | | | 1 | ļ |
| Peninger Road | East Pine Street - 730' Northwest | | | | 0.14 | | | | | | | | 1 | ļ |
| Peninger Road | 730' - 2330' NW of East Pine Street | | | 0.30 | | | | | | | | | | |
| Peninger Road | 2330' - 2690' NW of East Pine Street | 0.07 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Pittview Avenue | Bursell Road - 1220' East | 0.23 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | |
| Raymond Way | Old Upton Road - 230' North of Boes Ave | 0.26 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |

| | City of | f Central | Point | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|---------------------|---|-----------|--------|---------|-------|------|-------|--------|--------|------|----------------|----------------|----------------------|---------------|
| Pood Namo | Segment of Poad | | County | Roads I | nside | | Local | Access | Rds In | side | Bik | e Lanes | Sid | ewalks |
| noau maine | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Robin Lane | Grant Road - Oak Pine Way | | | | 0.16 | | | | | | | | | |
| Scenic Avenue | West R/W Line of Railroad - 230' West | | | 0.04 | | | | | | | | | | |
| Scenic Avenue | 230' West of Railroad R/W - Grant Road | | | | 0.10 | | | | | | | | | |
| Scenic Avenue | Grant Road - Seven Oaks Road | | | | | 0.23 | | | | | | | | |
| Sunland Avenue | Taylor Road - Tulane Avenue | | 0.17 | | | | | | | | | | | |
| Sunnyvale Drive | Sylvia Road - Beall Lane | | | | 0.30 | | | | | | | | | |
| Sylvia Road | Old Stage Road - Freeland Road | | | | | 0.22 | | | | | | | | |
| Taylor Road | 200' - 295' W of Silver Creek Drive | | 0.02 | | | | | | | | | | | |
| Taylor Road | 295' W of Silver Creek Dr - Sunland Ave | 0.02 | 2 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Taylor Road | Sunland Avenue - Grant Road (East Inter) | | 0.14 | | | | | | | | | | | |
| Taylor Road | Grant Rd (East Inter) - Grant Rd (West Inter) | | | 0.07 | | | | | | | | | | |
| Taylor Road | Grant Road (West Inter) - 2200' Westerly | | | | 0.42 | | | | | | | | | |
| Tolo Road | I-5 North RW - Blackwell Road | | | | 0.53 | | | | | | | | | |
| Tulane Avenue | Sunland Avenue - Carlton Avenue | 0.12 | 2 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Upton Road | 330' - 965' NE of Peninger Road | 0.12 | 2 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Upton Road | 965' - 2380' NE of Peninger Road | | | 0.33 | | | | | | | | | | |
| Upton Road | 2380' NE of Peninger Rd - 145' S of Wilson Rd | | | | 0.29 | | | | | | | | | |
| Upton Road | 145' S of Wilson Road - Wilson Road | | | | | 0.03 | | | | | | | | |
| Villa Lane | Blackwell Road - 670' South | | | | | | | | 0.13 | | | | | |
| West Pine Street | Glenn Way - 2410' Southwest of Glenn Way | 0.46 | 5 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| West Pine Street | 2410' Southwest of Glenn Way -Hanley Rd | | 0.02 | | | | | | | | | | | |
| West Vilas Road | Table Rock Rd - 680' W of Table Rock Rd | | 0.13 | | | | | | | | | | | |
| Willow Springs Road | I-5 West R/W - Railroad East R/W | | | | | 0.22 | | | | | | | | |
| Wilson Road | Table Rock Road - 480' West | | | 0.09 | | | | | | | | | | |
| Wilson Road | 480' W of Table Rock Road - Upton Road | | | | | 1.13 | | | | | | | | |
| Woods Road | Table Rock Road - 425' West | | | | | | 0.08 | | | | | | | |
| | | | | | | | | | | | | | | |
| Totals | | 3.03 | 2.18 | 5.37 | 5.81 | 3.87 | 0.22 | 0.00 | 1.48 | 0.11 | | | | |

| | City o | of Eagle F | Point | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|---------------------------|---|------------|--------|----------|-------|------|------|-----------|----------|------|----------------|----------------|-----------------------|-----------------------|
| Deed Name | Comment of Bood | | County | Roads Ir | nside | | Loca | al Access | Rds Insi | de | Bik | e Lanes | Sid | ewalks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Alta Vista Road | Bigham-Brown Rd - 1790' East | | | 0.34 | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Alta Vista Road | 1790' - 2810' Easterly of Bigham-Brown Rd | 0.19 | | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Alta Vista Road | 2810' E of Bigham-Brown Rd - Riley Rd | | | 0.61 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Bigham-Brown Road | Alta Vista Road - 945' South | | | | 0.18 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Bigham-Brown Road | 945' - 2660' South of Bigham-Brown Rd | | | | | 0.32 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Brownsborro-Eagle Point R | d Old Hwy 62 - 200' E of Old Hwy 62 | | 0.04 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Brownsborro-Eagle Point R | d 200' E of Old Hwy 62 - Main Street | 0.71 | | | | | | | | | New Bike Lanes | New Bike Lanes | Fill in Sidewalk Gaps | Fill in Sidewalk Gaps |
| Brownsborro-Eagle Point R | d Napa Street - 500' E of Candis Drive | 0.44 | | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Brownsborro-Eagle Point R | d 500' E of Candis Dr - Reese Creek Rd | | 0.10 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Eagle Heights Drive | Stevens Road - 1345' North | | | | | | | | | 0.25 | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Dahlia Terrace | Linn Road - 1340' North | | | | | | | | | 0.25 | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Linn Road | 500' - 730' Northwest of Hwy 62 | 0.04 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Linn Road | 730' - 1600' Northwest of Hwy 62 | | 0.16 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Linn Road | 1600' NW of Hwy 62 - Dahlia Terrace | | | | 0.26 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Linn Road | Dahlia Terrace - 840' W of Dahlia Terrace | | | | | 0.16 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| No Name Road | Rolling Hills Drive - 730' South | | | | | | | | 0.14 | | | | | |
| No Name Road | Reese Creek Rd - 1340' West | | | | | | | | 0.25 | | | | | |
| Palima Drive | Stevens Road - 690' South | | | 0.13 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Reese Creek Road | Brownsboro-Eagle Point Rd - Barton Rd | | | 0.48 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Reese Creek Road | Barton Road - 2320' North | | | | 0.44 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | Stevens Road - 670' Southerly | | 0.13 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | 670' - 2690' Southerly of Stevens Road | | | | 0.38 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | 2690' - 2765' Southerly of Stevens Road | | 0.01 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | 2765' - 3800' Southerly of Stevens Road | | | | 0.20 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | 3800' - 5090' Southerly of Stevens Road | 0.24 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | 5090' S of Stevens Rd - Alta Vista Rd | | | 0.29 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Riley Road | Alta Vista Rd - 1110' South | | | | 0.21 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Rolling Hills Drive | Hwy 62 - Old Medco Road West R/W | | | | | | | | 0.95 | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Rolling Hills Drive | Reese Creek Rd - Old Medco Rd West R/W | | | | | | | | 0.13 | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Second Street | East Side of Section 2 - 2560' West | | | | | | | | 0.48 | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stevens Road | Robert Trent Jones Jr Bl - 696' East | 0.13 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stevens Road | 696' E of Robert Trent Jones - Palima Dr | | 0.13 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stevens Road | Palima Dr - Eagle Heights Dr | | | | 0.51 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| Totals | | 1.75 | 0.57 | 1.85 | 2.18 | 0.48 | 0.00 | 0.00 | 1.95 | 0.50 | | | | |

| | City of J | lackso | nville | | | | | | | | | Pedestrian and B | icycle Alternatives | |
|------------------|---|--------|--------|----------|-------|------|------|----------|-----------|------|----------------|------------------|---------------------|---------------|
| Road Nama | Sogmont of Road | | County | Roads In | iside | | Loca | I Access | Rds Insid | de | Bike | Lanes | Side | walks |
| Hoad Name | Segment of Hoad | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Applegate Street | Graham Street to Southwest city limits | 0.54 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Old Stage Road | 230' South to 395' North of Autumn Lane | | | 0.12 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stage Road South | Wells Fargo Drive to 1,400' Southeast | | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | 0.27 | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Totals | | 0.54 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

| | City | of Medf | ord | | | | | | | | | Pedestrian and E | Bicycle Alternatives | |
|---------------------|---|---------|--------|----------|-------|-----|------|-----------|-----------|-----|----------------|------------------|----------------------|---------------|
| Read Name | Comment of Board | | County | Roads Ir | nside | | Loca | al Access | Rds Insid | de | Bike | Lanes | Side | walks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Agate Street | Peach Street - Happy Valley Drive | 0.18 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Airport Road | Table Rock Road - 750' E of Biddle Road | 0.46 | i | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Alamar Street | Orchard Home Dr - Rio Street | 0.22 | | | | | | | | | New Bike Lanes | New Bike Lanes | | |
| Albion Lane | Happy Valley Drive - 396' West | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | |
| Albion Lane | 396' W of Happy Valley Dr - Columbus Ave | | 0.06 | | | | | | | | | | | |
| Annapolis Drive | 125' West - 625' East of Normil Terrace | 0.14 | Ļ | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | |
| Archer Drive (West) | Orchard Home Dr - 1330' West | 0.25 | | | | | | | | | New Bike Lanes | New Bike Lanes | | |
| Archer Drive (East) | Orchard Home Dr - 131' East of Milford Dr | 0.28 | 5 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Archer Drive (East) | Columbus Ave - 170' East | 0.03 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Archer Drive (East) | 170' E of Columbus Ave - Happy Valley Dr | | 0.11 | | | | | | | | | | | |
| Archer Drive (East) | Happy Valley Drive - Peach Street | 0.18 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Barlynn Street | 335' South - 320' North of Stearns Way | | 0.12 | | | | | | | | New Bike Lanes | New Bike Lanes | | New Sidewalks |
| Barnett Road East | 3500' - 5070' Easterly of North Phoenix Rd | | | | | | 0.30 | | | | | | | |
| Barnett Road East | 5070' - 7250' Easterly of North Phoenix Rd | | | | | | | | 0.41 | | | | | |
| Barnett Road East | 7250' E of North Phoenix Rd - Mitchelen Pl | | | | 0.21 | | | | | | | | | |
| Bateman Drive | Table Rock Road - 2000' East | 0.38 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Beall Lane | Merriman Road - 1440' West of Hwy 99 | | | 1.02 | | | | | | | | | | |
| Biddle Road | Table Rock Road - 200' Southeast | | 0.04 | | | | | | | | | | | |
| Broadview Avenue | Fairlane Drive - 1130' East | | 0.21 | | | | | | | | | | | |
| Bullock Road | Hwy 62 - 3050' North | 0.57 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Bursell Road | Ellen Avenue - Beall Lane | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cadet Drive | Normil Terrace - 550' East | 0.10 |) | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Canal Street | 385' North - 380' South of Archer Drive | 0.14 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Charles Way | Sage Road - 700' East | | 0.13 | | | | | | | | | | | |
| Charlotte Ann Road | Hwy 99 - 1900' Northeasterly | 0.36 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cherry Lane | Mary Bee Lane - Hillcrest Road | 1.72 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cherry Street | Prune Street - Stewart Avenue | 0.43 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cloudcrest | Highcrest Drive - Stardust Way | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Clover Lane | West Main Street - Sunset Court | | 0.46 | | | | | | | | | | | |
| Coal Mine Road | North Phoenix Rd - 2140' East | | 0.41 | | | | | | | | | | | |
| Coal Mine Road | 2140' - 4710' Easterly of North Phoenix Rd | 0.49 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Coal Mine Road | 4710' E of N Phoenix Rd - Santa Barbara Dr | | | | 0.26 | | | | | | | | | |
| Coker Butte Road | 175' West - 390' East of Arrowhead Drive | 0.11 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Coker Butte Road | 390' - 1380' East of Arrowhead Drive | | 0.19 | | | | | | | | | | | |
| Coker Butte Road | 1380' E of Arrowhead Dr - Foothill Rd | | | | 1.29 | | | | | | | | | |
| Columbus Avenue | Garfield Street - Stage Road South | 0.80 |) | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Connell Avenue | Beall Lane - 135' South | 0.03 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Connell Avenue | 135' - 440' South of Beall Lane | | 0.05 | | | | | | | | | | | |
| Corona Avenue | Roberts Road - 700' North of Hilton Road | 0.47 | ' | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cottonwood Avenue | Lawnsdale Road - Gilman Road | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Crater Lake Avenue | 3240' - 5340' North of East Vilas Road | | | | 0.40 | | | | | | | | | |
| Crews Road | Table Rock Road - 750' North | 0.14 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Cunningham Avenue | Columbus Avenue - Orchard Home Drive | 0.33 | · | L | | L | L | L | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Dale Street | Lucky Lane - 400' North | | ļ | | | | 0.08 | | | | | | | |
| Diamond Street | Kings Hwy - Peach Street | 0.25 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | Table Rock Road - 2640' East | 0.50 |) | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | 2640' - 3305' East of Table Rock Road | | 0.13 | | | | | | | | | | | |
| East Vilas Road | 3305' E of Table Rock Rd - 280' E of Peace Ln | 0.18 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | 280' - 530' East of Peace Lane | | 0.05 | | | | | | | | | | | |
| East Vilas Road | 530' - 1180' East of Peace Lane | 0.12 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | 1180' - 3340' East of Peace Lane | + | 0.41 | | | | I | | | | | | | <u> </u> |
| East Vilas Road | 3340' East of Peace Lane - Hwy 62 | 0.10 | 2 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | Crater Lake Ave - 300' East | 0.06 | 2 | | | | I | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Vilas Road | 300' - 570' East of Crater Lake Avenue | + | 0.05 | | L | | I | | | | | | | |
| East Vilas Road | 570' - 2540' East of Crater Lake Avenue | - | | | 0.37 | | | | | | | | | <u> </u> |
| Ehrman Way | 120' East of Sage Rd - Joseph St | + | 0.17 | | | | I | | | | | | | |
| Elk Street | Hwy 99 - 250' West | - | 0.05 | | | | | | | | | | | |
| Ellen Avenue | Marilee Street - Hwy 99 | 0.46 | | | | | I | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Ellendale Drive | Greenwood Street - Crestbrook Road | 0.04 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |

| | City | of Medf | ord | | | | | | | | | Pedestrian and B | icycle Alternatives | |
|-------------------------|---|---------|--------|----------|-------|------|------|-----------|----------|-----|-------------------|-------------------|---------------------|-----------------|
| Read Name | Comment of Dood | | County | Roads Ir | nside | | Loca | al Access | Rds Insi | de | Bike | Lanes | Side | walks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Eston Court | Columbus Ave - 240' East | | 0.05 | | | | | | | | | | | |
| Eucalyptus Drive | Foothill Road - 820' Westerly | 0.16 | i | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Experiment Station Road | 930' - 1275' West of Kings Hwy | | | | | | 0.07 | | | | | | | |
| Fairlane Drive | Stage Road South - Broadview Avenue | | 0.21 | | | | | | | | | | | |
| Foothill Road | Hillcrest Road - 3230' North | 0.62 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Foothill Road | 150' S Lone Pine Rd - 465' S Cedar Links Dr | 0.68 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Foothill Road | 465' S of Cedar Links Dr - Cedar Links Dr | | 0.09 | | | | | | | | | | | |
| Foothill Road | Cedar Links Dr - 405' N of Delta Waters Rd | 0.39 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Foothill Road | 405' - 1285' North of Delta Waters Road | | | | 0.17 | | | | | | | | | |
| Foothill Road | 1285' N of Delta Waters Rd - Coker Butte Rd | | | | | 0.78 | | | | | | | | |
| Garfield Street | Kings Hwy - 625' East | 0.12 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Garland Place | Albion Lane - Harding Court | | 0.07 | | | | | | | | | | | |
| Gaylee Avenue | Stewart Avenue - 1025' North | | | | | | | | 0.19 | | | | | |
| Gilman Road | Biddle Rd - 170' West of Cottonwood Ave | 0.36 | i | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Graffis Road | Coal Mine Road - 1740' Southerly | | | | | | | | 0.33 | | | | | |
| Greenwood Street | Highland Drive - Ellendale Drive | 0.20 |) | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Happy Valley Drive | Agate Street - 150' South | 0.02 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Happy Valley Drive | 150' S of Agate St - 220' S of Archer Dr | | 0.10 | | | | | | | | | | | |
| Happy Valley Drive | 220' S of Archer Dr - 750' S of Albion Ln | 0.29 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Happy Valley Drive | 750' S of Albion Ln - Stage Road South | | 0.04 | | | | | | | | | | | |
| Harbrooke Road | North Phoenix Road - 1320' East | 0.25 | i | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Harding Court | Happy Valley Drive - Garland Place | | 0.06 | | | | | | | | | | | |
| Hart Avenue | Diamond Street - Garfield Street | 0.22 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Harvard Place | Old Cherry Lane - Yale Drive | 0.30 |) | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Hidden Village Place | Coal Mine Road - 1455' South | | | | | | | | 0.28 | | | | | |
| Highcrest Drive | Hillcrest Road - Cloudcrest Drive | 0.59 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Hillcrest Road | Foothill Road - Bel Air Court | | 0.60 | | | | | | | | | | | |
| Hillcrest Road | Monterey Dr - 1500' West of Cherry Lane | 0.38 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Hillcrest Road | Cherry Lane - 1845' East of Cherry Lane | 0.35 | i | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Jet Drive | Archer Drive - 240' South | | 0.05 | | | | | | | | | | | |
| Jolisa Street | 335' South - 320' North of Stearns Way | _ | 0.12 | | | | | | | | | | | |
| Joseph Street | Ehrman Way - Mason Way | _ | 0.24 | | | | | | | | | | | |
| Judge Lane | Peace Lane - 1320' West | | | | 0.25 | | | | | | | | | |
| Justice Road | Hwy 62 - 780' Westerly | 0.15 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Justice Road | 780' Westerly of Hwy 62 - Peace Lane | | | | 0.67 | | | | | | | | | |
| Kings Highway | 416' - 1280' South of Agate Street | 0.16 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Kings Highway | 1280' - 1470' South of Agate Street | | | 0.04 | | | | | | | | | | - |
| Kings Highway | 1470' South of Agate St - Stage Road South | | | | 0.24 | | | | | | | | | |
| Lawnsdale Road | Biddle Road - Cottonwood Avenue | 0.33 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lillian Avenue | Diamond Street - Garfield Street | 0.22 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lowry Lane | Hwy 99 - 850' Easterly | 0.16 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lozier Lane | West Main Street - 1965' South | 0.37 | 0.20 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lozier Lane | 1965 - 3465 South of West Main Street | 0.00 | 0.29 | | | | | | | | | | | |
| Lozier Lane | 3465' - 3575' South of West Main Street | 0.02 | 0.04 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lozier Lane | 3575 - 3790 South of West Main Street | 0.07 | 0.04 | | | | | | | | New Diles Leaves | New Dilesteres | Navy Galaxyallus | Nava Cidavalla |
| Lozier Lane | 3790'S of West Main St - Stewart Avenue | 0.07 | | | | | 0.12 | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lucky Lane | Stage Road South - 670 East | 0.25 | | | | | 0.13 | | | | New Diles Leaves | New Dilesteres | Navy Galaxyallus | Nava Cidavalla |
| Maple Park Drive | Western Avenue - Ross Lane North | 0.35 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Marshall Avenue | Ellen Avenue - Beall Lane | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Macon Way | 204' Wort of Mira St. Joseph St | 0.25 | 0.20 | | | | | | | | NEW DINE Lalles | INCW DINE LOURS | INCW SILLEWOIKS | INCW SILLEWAIKS |
| Mayorick Street | 274 West OF Wind St - JUSEPH St | + | 0.29 | | 0.22 | | | | | | | | + | + |
| Mc Androws Road | FOO'SW of Jackson St. 270'E of Boss Long M | 0.27 | | | 0.22 | | | | | | Now Pike Lanes | Now Pike Lanes | Now Sidowalks | Now Sidowalks |
| Meals Drive | 385' North - 380' South of Archor Drive | 0.32 | | | | | | | | | New Bike Lance | New Bike Lanes | New Sidewalks | New Sidewalks |
| Midway Road | Merriman Road - 665' E of Cummings In | 0.14 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Midway Road | Biddle Road - 700' West | 0.44 | | | | | | | | | New Bike Lanes | New Rike Lanes | New Sidewalks | New Sidewalks |
| Milford Drive | 385' North - 380' South of Archer Drive | 0.13 | 1 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Mira Way | Charles Way - 440' Southeast | 0.14 | | | | | 0.00 | | | | INCIN DIRE Lattes | INCAN DIVE FUILES | INCW SILLEWAIKS | INCW SILLEWAIKS |
| Mitchelen Place | Santa Barbara Dr - Santa Barbara Dr | - | 1 | | | | 0.08 | | 0.66 | | | | | + |
| due | Santa Sanbara Di Santa Barbara Di | | 1 | | 1 | | | 1 | 0.00 | 1 | | | 1 | 1 |

| | City | of Medf | ord | | | | | | | | | Pedestrian and E | Bicycle Alternatives | |
|---------------------|---|---------|--------|----------|-------|------|------|-----------|----------|-----|----------------|------------------|----------------------|---------------|
| Read Name | Comment of Dood | | County | Roads In | nside | | Loca | al Access | Rds Insi | de | Bike | Lanes | Side | walks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Myers Lane | Stewart Avenue - Garfield Street | 0.50 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Myers Lane | Garfield Street - 1600' Southeast | | 0.30 | | | | | | | | | | | |
| No Name | Crater Lake Avenue - 770' East | | | 0.15 | | | | | | | | | | |
| No Name | 770' - 2640' East of Crater Lake Avenue | | | | | 0.35 | | | | | | | | |
| Norma Avenue | Oak Grove Road - Renault Avenue | | | | | | 0.07 | | | | | | | |
| Normil Terrace | Foothill Road - Annapolis Drive | 0.45 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| North Phoenix Road | Barnett Road - Coal Mine Road | 0.73 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| North Phoenix Road | Coal Mine Road - 3910' South | | | | 0.74 | | | | | | | | | |
| North Phoenix Road | 2780' - 4840' Northerly of Grove Way | | | | | 0.39 | | | | | | | | |
| North Runway Drive | 660' - 1320' South of East Vilas Road | 0.13 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Oak Drive | Table Rock Road - 300' East | | | | | | 0.06 | | | | | | | |
| Oak Grove Road | West Main Street - 1320' South | 0.25 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Oak Grove Road | 1320' S of West Main St - Stewart Avenue | | | | | 0.55 | | | | | | | | |
| Oakmont Way | Coal Mine Road - 1825' Southerly | | | | | | | | 0.35 | | | | | |
| Orchard Home Drive | Stewart Ave - 140' North of Alamar Street | 1.04 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Orchard Home Drive | 140' North of Alamar St - Stage Road South | | | 0.18 | | | | | | | | | | |
| Peace Lane | East Vilas Road - 450' North | 0.09 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Peace Lane | 450' North of East Vilas Rd - Justice Road | | | | 0.58 | | | | | | | | | |
| Peace Lane | Justice Road - 1735' North | | | | | | | | 0.33 | | | | | |
| Peach Street | Garfield Street - Archer Drive | 0.47 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Pech Road | 700' SE of Table Rock Rd - Cirrus Dr | 0.12 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Princeton Way | Urnao Lane - Yale Drive | 0.43 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Prune Street | Cherry Street - 330' East | 0.08 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Reager Street | West Main Street - 900' North | 0.17 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Renault Avenue | West Main Street - 1320' South | | | | | | 0.25 | | | | | | | |
| Rio Street | Alamar Street - Archer Drive | 0.05 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Roberts Road | Corona Avenue - Serenity Drive | 0.10 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Ross Lane North | 250' North of Thorne Oak Dr - Rossanley Dr | | 0.36 | | | | | | | | | | | |
| Sage Road | Rossanley Drive - Hwy 99 | | 0.94 | | | | | | | | | | | |
| Santa Barbara Drive | Coal Mine Road - Mitchelen Place | | | | | | | | 1.2 | | | | | |
| Schultz Road | Table Rock Road - 990' East | 0.19 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Springbrook Road | Coker Butte Road - 410' South | | | | | | 0.08 | | | | | | | |
| Stage Road South | Hwy 99 - 700' Westerly | 0.13 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stage Road South | 700' - 1830' Westerly of Hwy 99 | | 0.22 | | | | | | | | | | | |
| Stage Road South | 1830' - 3015' Westerly of Hwy 99 | | | | 0.22 | | | | | | | | | |
| Stage Road South | 2735' East of Kings Hwy - 1335' Westerly | | | | | 0.77 | | | | | | | | |
| Stage Road South | 1335' W of Kings Hwy - Dark Hollow Rd | | 0.31 | | | | | | | | | | | |
| Stage Road South | Dark Hollow Road - Orchard Home Drive | | | | | 0.43 | | | | | | | | |
| Stage Road South | Orchard Home Drive - 1715' Northwest | | | 0.32 | | | | | | | | | | |
| Stage Road South | 1715' - 2325' NW of Orchard Home Drive | 0.12 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stage Road South | 2325' Nw Orchard Home Dr - Griffin Creek Rd | | | 0.08 | | | | | | | | | | |
| Stage Road South | Griffin Creek Road - Sunset Drive | | 0.28 | | | | | | | | | | | |
| Stage Road South | Sunset Drive - Fairlane Drive | | 0.09 | | | | | | | | | | | |
| Stanford Avenue | Cherry Lane - High Oaks Drive | 0.28 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stardust Way | Highcrest Drive - Cloudcrest Drive | 0.36 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Starlite Lane | Stage Road South - 1250' North | | | | | | | | 0.23 | | | | | |
| Stearns Way | Ross Lane North - 1430' West | | 0.27 | | | | | | | | | | | |
| Stewart Avenue | 180' E of Thomas Rd - 562' W of Woodland | 0.23 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Stewart Avenue | 562' W of Woodland Ave - Oak Grove Rd | | | | | 0.12 | | | | | | | | <u> </u> |
| Sunnyview Lane | Stage Road South - 1200' North | | 0.23 | | | | | | | | | | | |
| Sunset Court | Lozier Lane - 890' West | | | | | | 0.17 | | | | | | | |
| Sunset Drive | Orchard Home Dr - 2700' Westerly | 0.51 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Sunset Drive | 2700' W of Orchard Home Dr - Stage Road S | | 0.09 | | | | | | | | | | | |
| Sweet Road | Mc Andrews Road - Ross Lane North | 0.26 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Sycamore Way | Eucalyptus Drive - 720' Northwest | 0.14 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Table Rock Road | I-5 North R/W - 390' North | 0.07 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Table Rock Road | 390' North of I-5 North R/W - Schultz Road | | 1.16 | | | | | | | | | | | |
| Table Rock Road | Schultz Road - 510' North | 0.10 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Table Rock Road | 510' N of Schultz Rd - 650' N of Wilson Rd | | 1.03 | | | | | | | | | | | |

| | City | of Medf | ord | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|--|--|---------|-------|------|------|------|------|------|------|------|----------------|----------------|----------------------|---------------|
| City of Medicida Local Access Rds Inside Road Name Segment of Road County UgB UGB UR* UGB UGB* UR Table Rock Road 650' - 2640' North of Wilson Road 0.03 0.38 Table Rock Road 650' - 2640' North of Wilson Road 0.03 0.38 Thorn Oak Drive Ross Lane North - 141' West 0.03 Thorn Oak Drive 141' - 1320' West of Ross Lane North 0.21 Thomas Road Susset Drive - 187' North 0.03 Thomas Road 12755' North of Sunset Drive 0.49 | | | | | | | | | | de | Bil | ke Lanes | Sic | lewalks |
| Road Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Table Rock Road | 650' - 2640' North of Wilson Road | | | | 0.38 | | | | | | | | | |
| Thorn Oak Drive | Ross Lane North - 141' West | 0.03 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Thorn Oak Drive | 141' - 1320' West of Ross Lane North | | 0.21 | | | | | | | | | | | |
| Thomas Road | Sunset Drive - 187' North | | 0.03 | | | | | | | | | | | |
| Thomas Road | 187' - 2755' North of Sunset Drive | 0.49 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Thomas Road | 2755' N of Sunset Drive - Stewart Avenue | | 0.14 | | | | | | | | | | | |
| West Mc Andrews Road | 60' West of Ross Lane North - 1280' West | 0.23 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Westdale Place | Lozier Lane - 375' West | | | | | | 0.07 | | | | | | | |
| Western Avenue | Mc Andrews Road - Maple Park Drive | 0.09 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Yale Drive | Harvard Place - Stanford Avenue | 0.15 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | |] | | | |
| Totals | | 26.09 | 10.55 | 1.79 | 6.00 | 3.39 | 1.36 | 0.00 | 3.98 | 0.00 |) | | | |

| | City | of Phoe | nix | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|--------------------|---|---------|--------|----------|-------|------|------|-----------|----------|-----|----------------|------------------------|----------------------|-----------------------|
| Road Nama | Sogment of Read | | County | Roads In | nside | | Loc | al Access | Rds Insi | ide | Bik | e Lanes | Sid | ewalks |
| nuau Name | Segment of Hoad | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Campbell Road | North Phoenix Rd - 3450' East | | | | 0.65 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Campbell Road | 3450' - 4010' E of North Phoenix Road | | | | | 0.11 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Camp Baker Road | Colver Road - 1015' W. of Colver Road | | 0.19 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Camp Baker Road | 1015' W - 1190' W of Colver Road | 0.03 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Camp Baker Road | 1190' W of Colver Rd - 210' W of Hilsinger Rd | | 0.07 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Camp Baker Road | 210' W - 660' W of Hilsinger Road | | | 0.09 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Colver Road | 140' S of Samuel Ln - 215' S of Camp Baker Rd | | | 0.10 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Colver Road | 215' S of Camp Baker Rd - 112' S of Jared Ct | | 0.06 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Colver Road | 112' S of Jared Ct - 360' N of Jared Ct. | 0.09 | | | | | | | | | | | New Sidewalks | New Sidewalks |
| Dano Drive | W Railroad R/W - 850' West | | | | | | 0.16 | j | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Fern Valley Road | Main Street - Bridge #10 | 0.13 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Fern Valley Road | North Phoenix Rd - 370' East | 0.07 | | | | | | | | | | | New Sidewalks | |
| Fern Valley Road | 370' E - 1650' NE of North Phoenix Road | | | 0.24 | | | | | | | New Bike Lanes | Fill in Bike Lane Gaps | New Sidewalks | Fill in Sidewalk Gaps |
| Fern Valley Road | 1650' NE - 1900' NE of North Phoenix Road | | | | | 0.05 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | |
| Hilsinger Road | Camp Baker Road - Pacific Lane | | 0.08 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Houston Road | Colver Road - 180' W of Coral Circle | 0.12 | | | | | | | | | | | | |
| Houston Road | 180' W - 290' W of Coral Circle | | | 0.02 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Houston Road | 290' W of Coral Circle - Calhoun Road | | | | | 0.23 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| No Name Road | Dano Drive - 1200' Northwest | | | | | | 0.23 | 1 | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| North Phoenix Road | 515' N - 2780' Northerly of Grove Way | | | | 0.43 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| North Phoenix Road | 2780' - 4840' Northerly of Grove Way | | | | | 0.39 | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Northridge Terrace | Hwy 99 - Cul-De-Sac | | | | 0.36 | | | | | | New Bike Lanes | New Bike Lanes | | |
| Oak Crest Way | Hwy 99 - Cul-De-Sac | | | | 0.29 | | | | | | New Bike Lanes | New Bike Lanes | | Fill in Sidewalk Gaps |
| | | | | | | | | | | | | | | |
| Totals | | 0.44 | 0.40 | 0.45 | 1.73 | 0.78 | 0.39 | 0.00 | 0.00 | 0.0 | 0 | | | |

| | City of | Rogue | River | | | | | | | | | Pedestrian and | Bicycle Alternatives | |
|-----------------------|--|-------|--------|----------|-------|------|------|-----------|----------|------|----------------|----------------|----------------------|---------------|
| Bood Name | Comment of Road | | County | Roads In | nside | | Loca | al Access | Rds Insi | ide | Bike | Lanes | Side | awalks |
| Hoad Name | Segment of Road | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Blue Ridge Court | Blue Ridge Drive to 700' southwest | | 0.13 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Blue Ridge Drive | Wards Creek Road to 380' northwest | | 0.07 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Evans Creek Road | 1070' to 1410' southerly of Manzanita Dr | | | 0.06 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| East Evans Creek Road | 1410' to 5770' Southerly of Manzanita Dr | | 0.78 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Fielder Lane | Foothills Blvd to 470' southwest | | 0.09 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Foothills Blvd. | City limits to 2175' southwest | | 0.41 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Lloyelen Drive | West Evans Creek Road to 730' northeast | | 0.14 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Scenic Drive | 780' to 2625' east of Robbins Avenue | | | | | | 0.35 | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Wards Creek Road | 820' to 4505' northeast of North River Rd | | 0.70 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| West Evans Creek Road | 1070' to 7550' northerly of Walnut Drive | | 1.23 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| West Lloyelen Drive | West Evans Creek Road to 1470' westerly | | 0.28 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| West Lloyelen Drive | 1470' to 2000' westerly of W. Evans Creek Rd | | | | | | 0.10 | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| Totals | | 0.00 | 3.83 | 0.06 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 |) | | | |

| City of Shady Cove | | | | | | | | | | | Pedestrian and Bicycle Alternatives | | | |
|--------------------|--|---------------------|------|------|------|------|-------------------------|------|------|------|-------------------------------------|----------------|---------------|---------------|
| Road Name | Segment of Road | County Roads Inside | | | | | Local Access Rds Inside | | | | Bike Lanes | | Sidewalks | |
| | | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East |
| Indian Creek Road | Hwy 62 to 950' southeasterly | 0.18 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Indian Creek Road | 950' to 1320' southeasterly of Hwy 62 | | 0.07 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Long Branch Road | Rogue River Drive to 2775' northwesterly | | | 0.53 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Old Ferry Road | Hwy 62 to 3200' northeasterly | 0.61 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Old Ferry Road | 3200' to 7230' northeasterly of Hwy 62 | | 0.76 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Rogue River Drive | Long Branch Road to 640' westerly | | | 0.12 | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Rogue River Drive | Long Branch Road to 1370' northeast | | 0.26 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Rogue River Drive | 1370' NE of Long Branch Rd to Hwy 62 | 1.39 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| Sawyer Road | 295' to 925' northwesterly of Rogue River Dr | | | | | | 0.12 | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Totals | | 2.18 | 1.09 | 0.65 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 |) | | | |

| City of Talent | | | | | | | | | | | Pedestrian and Bicycle Alternatives | | | | |
|----------------------|---|------|---------------------|------|------|------|------|----------|-----------|------|-------------------------------------|----------------|---------------|---------------|--|
| Road Name | Segment of Road | | County Roads Inside | | | | | I Access | Rds Insid | de | Bike Lanes | | Sidewalks | | |
| | | City | UGB | UGB* | UR | UR* | UGB | UGB* | UR | UR* | North/West | South/East | North/West | South/East | |
| Colver Road | Hwy. 99 to No Name Road | | 0.33 | | | | | | | | | | New Sidewalks | | |
| Colver Road | No Name Road to end of reserve | | | | 0.38 | | | | | | | | New Sidewalks | New Sidewalks | |
| Foss Road | UGB to 350' west | | | | 0.07 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Hilltop Road | West Hilltop Road to 475' Southeast | | | | | | 0.09 | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| No Name Road | Colver Road to South | | | | 0.19 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Old Pacific Hwy. | Talent Ave. to Hwy. 99 | | | | 0.67 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Rapp Lane | Rapp Road to 1,350' South | | | | 0.26 | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Suncrest Road | Autumn Ridge to I-5 | | 0.24 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | | |
| West Valley View Rd. | I-5 to 1020' southeast of Suncrest Road | | 0.62 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Wagner Creek Road | Rapp Road to 450' West of Rapp Road | 0.09 | | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| Wagner Creek Road | 450' West of Rapp Rd. to 775' SW | | 0.15 | | | | | | | | New Bike Lanes | New Bike Lanes | New Sidewalks | New Sidewalks | |
| | | | | | | | | | | | | | | | |
| Totals | | 0.09 | 1.34 | 0.00 | 1.57 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | | | | | |