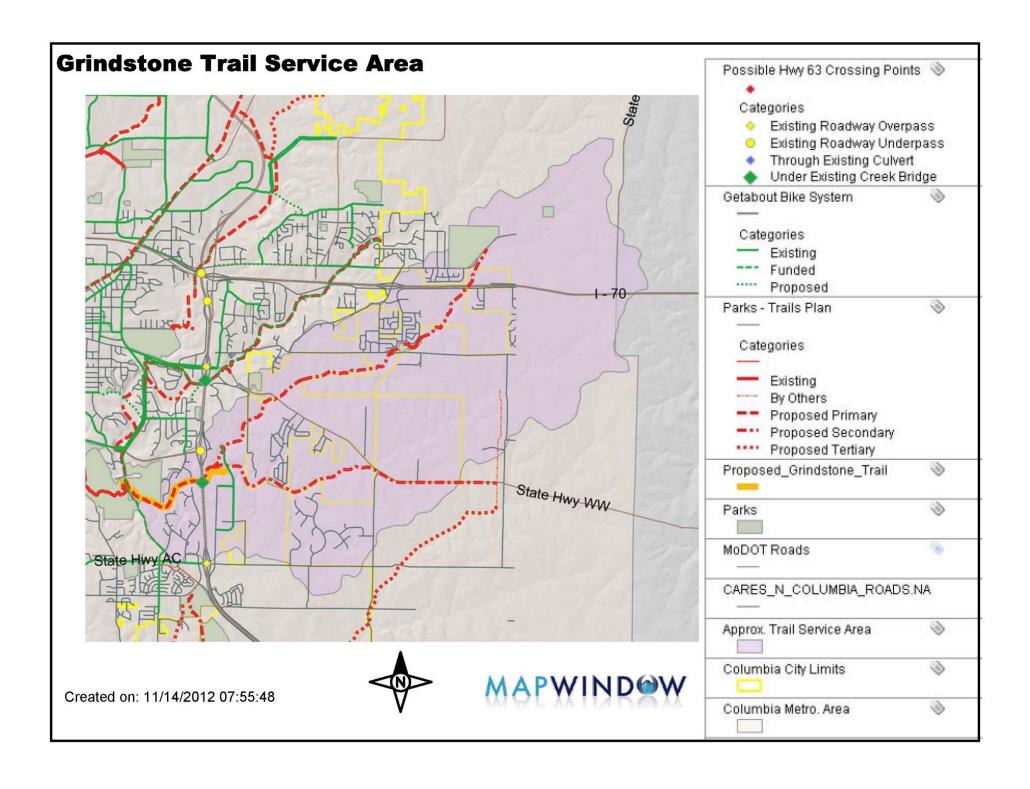


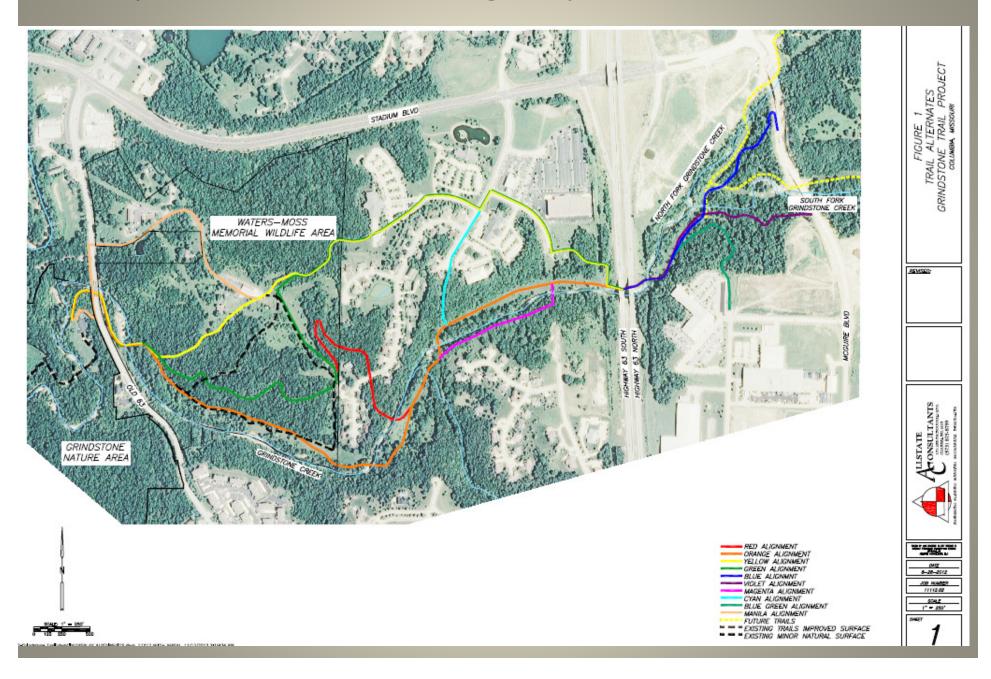
Grindstone Trail Service Area Possible Hwy 63 Crossing Points 🦠 Categories Existing Roadway Overpass Existing Roadway Underpass Through Existing Culvert Under Existing Creek Bridge Getabout Bike System Categories Existing Funded USHWY40 Proposed Parks - Trails Plan Categories Existing By Others State Hwy UU Proposed Primary Proposed Secondary State Hwy WW · Proposed Tertiary 3 Proposed_Grindstone_Trail State Hwy A 3 Parks MoDOT Roads State Hwy 163 CARES_N_COLUMBIA_ROADS.NA 3 Approx. Trail Service Area 3 Columbia City Limits Created on: 11/14/2012 07:55:48 0 Columbia Metro, Area



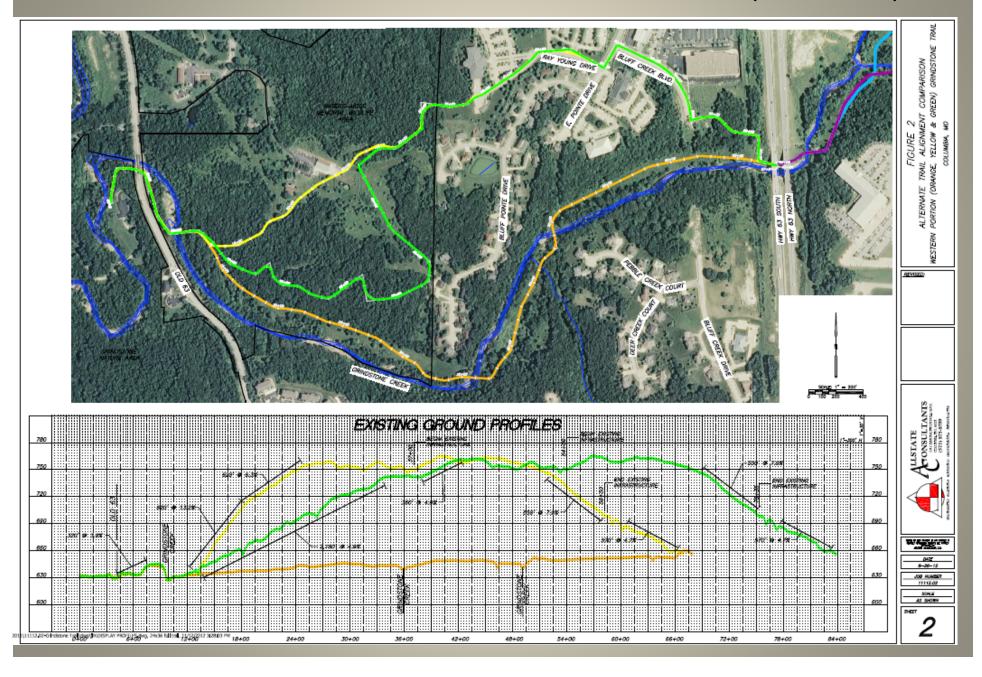
Grindstone Trail Purpose and Need

- A review of the Vision Plan, the Parks and Rec. Needs
 Assessment, and other sources led us to the following purpose and need statements that guided alignment selection and design criteria
 - The project must result in a safe and useable facility for the full range of users
 - The project must encourage non-motorized transportation
 - The project must encourage recreational use
 - The project must be designed to fit into the larger network efficiently
 - The project must be mindful of environmental impacts

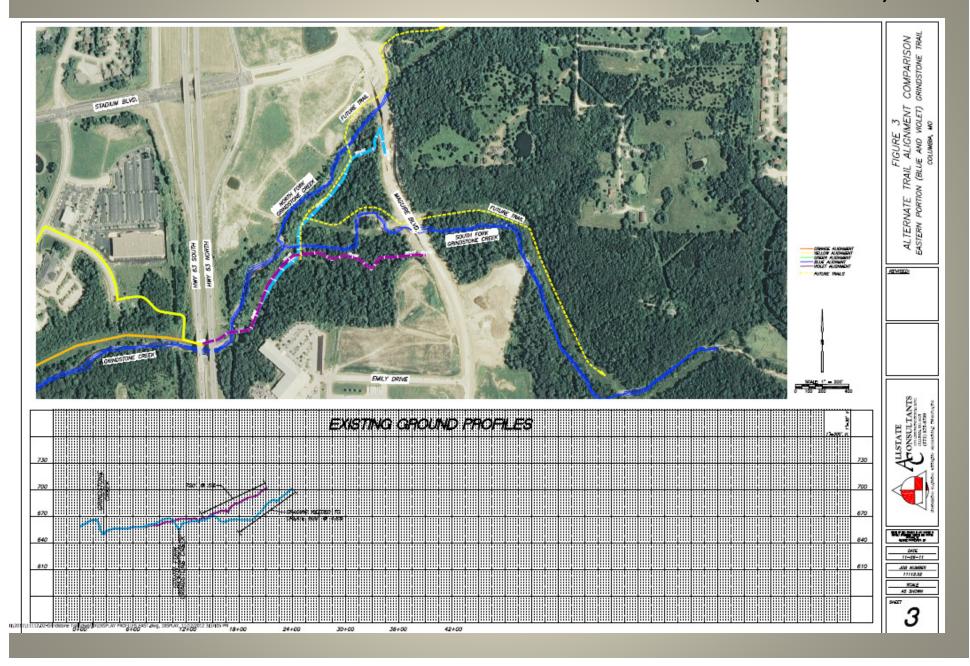
10 Separate Routes were Originally Considered



5 Routes Were Carried Forward to Detailed Review (3 Western)



5 Routes Were Carried Forward to Detailed Review (2 Eastern)



Alternates Were Evaluated for:

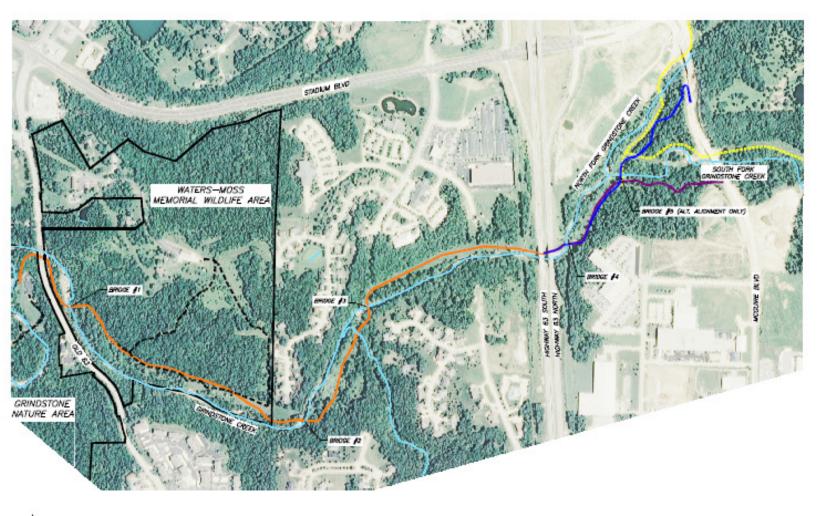
- Impacts on adjacent properties
- Impacts on specific destinations
- Impacts relative to trail users in adjacent neighborhoods
- Terrain
- Public safety
- Environment and sustainability
- Maintenance and operations
- Initial construction cost

Recommendations

- West Side Orange Alignment
 - Safest
 - Most accessible to the full range of users
 - Most likely to encourage regular use
- East Side Blue alignment recommended due to a slight advantage in long term costs, but the Violet alignment is acceptable because it has lower initial costs.

PROPOSED TRAIL ALIGNMENT GRINDSTONE TRAIL PROJECT

COLUMBIA, MISSOURI





ORANGE AUGNMENT (PROPOSED AUGNMENT)

WOLET AUGNMENT (PROPOSED AUGNMENT)

BULE AUGNMENT (PROPOSED AUGNMENT)

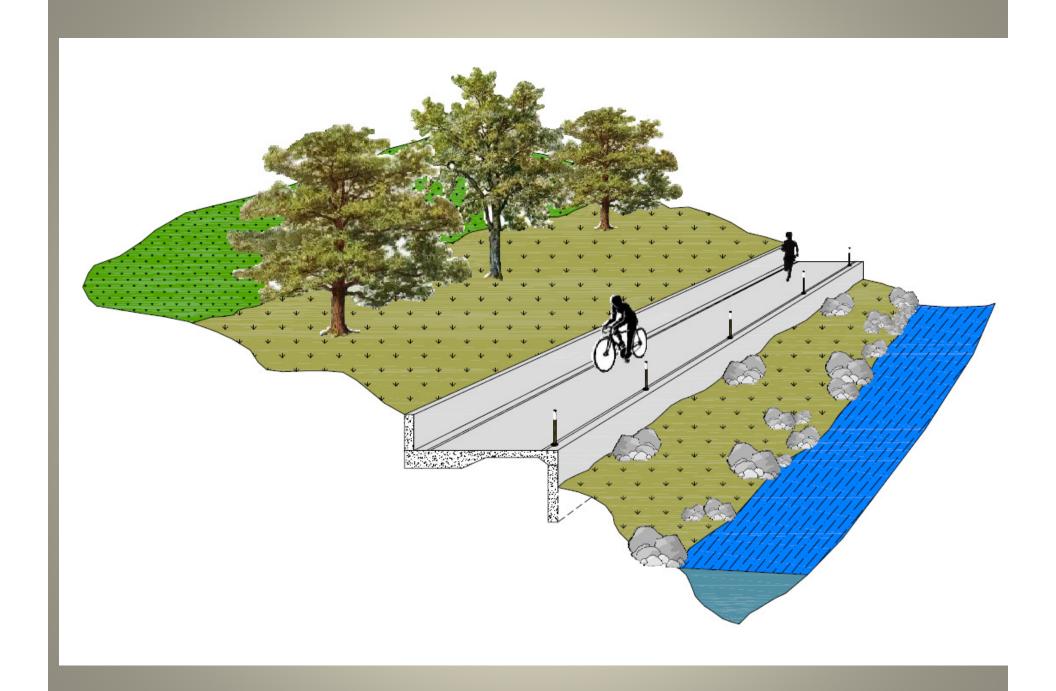
FUTURE TRAUS

— — DISTING TRAUS MPROMED SURFACE

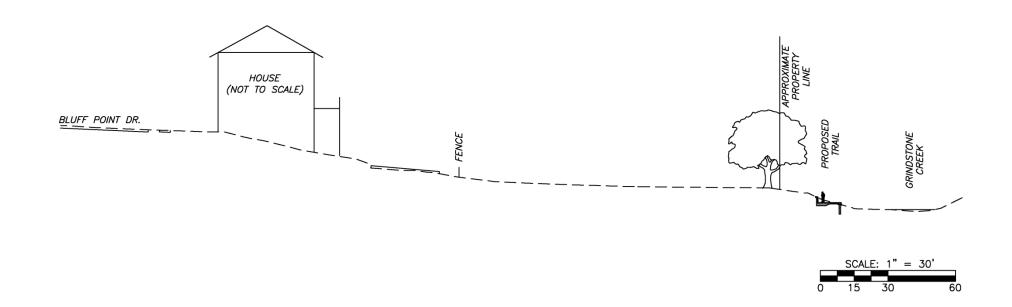
— EXISTING MINOR MITURAL SURFACE

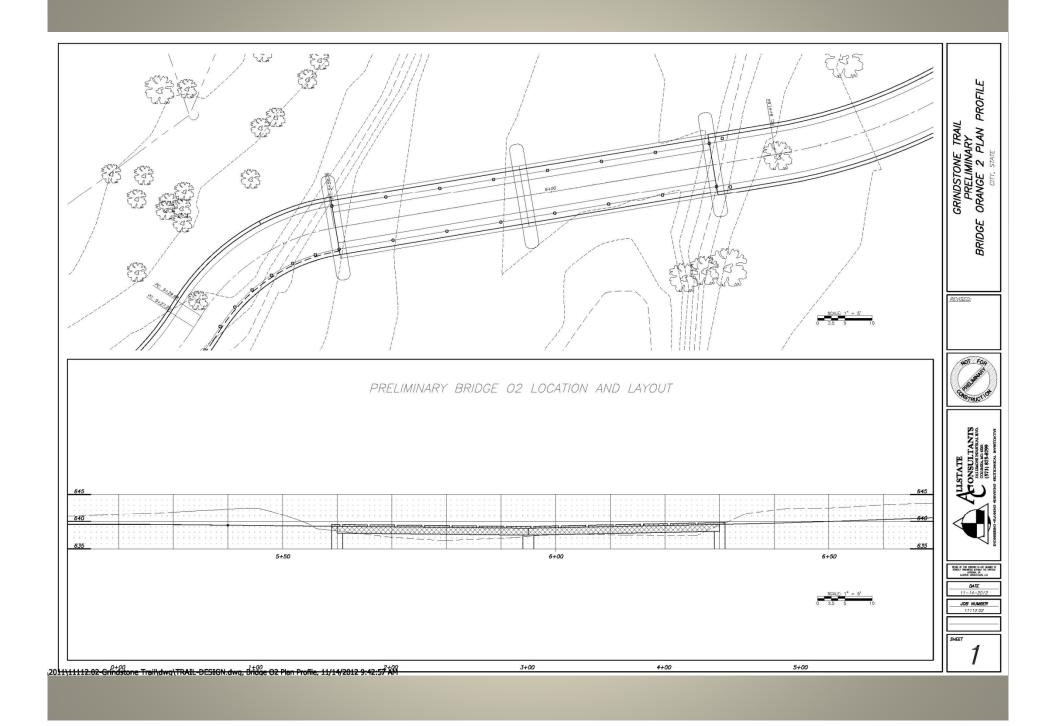






TYPICAL CROSS SECTION THROUGH CREEK, TRAIL, AND RESIDENTIAL LOT





Similar Bridge, County House Trail

