



I-70 West Vail Pass Auxiliary Lanes

PURPOSE AND NEED

IMPROVE SAFETY AND OPERATIONS

SAFETY CONCERNS

- High number of crashes
- Substandard geometry
- Speed differentials resulting in:
 - Sideswipes
 - Rear-end crashes
- Narrow roadway impacts driver correction



TRAFFIC OPERATION ISSUES

- Lack of width to maintain single lane of traffic during incidents
 - High number of full closures
 - 2014-2017: 306 total hours of full closure due to incidents
- Steep grades & tight curves with high number of slow-moving vehicles
 - Slower speeds with erratic lane changes
 - Speed differentials creating unreliable travel times
- Travel way severely impacted by snow accumulation



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PURPOSE AND NEED



WEST VAIL PASS

SHRINE PASS TO
EAST VAIL



WEST STRAIGHT CREEK

EISENHOWER TUNNEL
TO SILVERTHRONE

OF LANES

4

6

FULL
CLOSURES (2017)

91

19

TOTAL # OF CRASHES
(2014-2016)

558

335



24

TIMES RUNAWAY TRUCK
RAMPS USED
(4/2015-12/2017)



32,900

AVERAGE NUMBER OF
VEHICLES IN PEAK SUMMER DAY



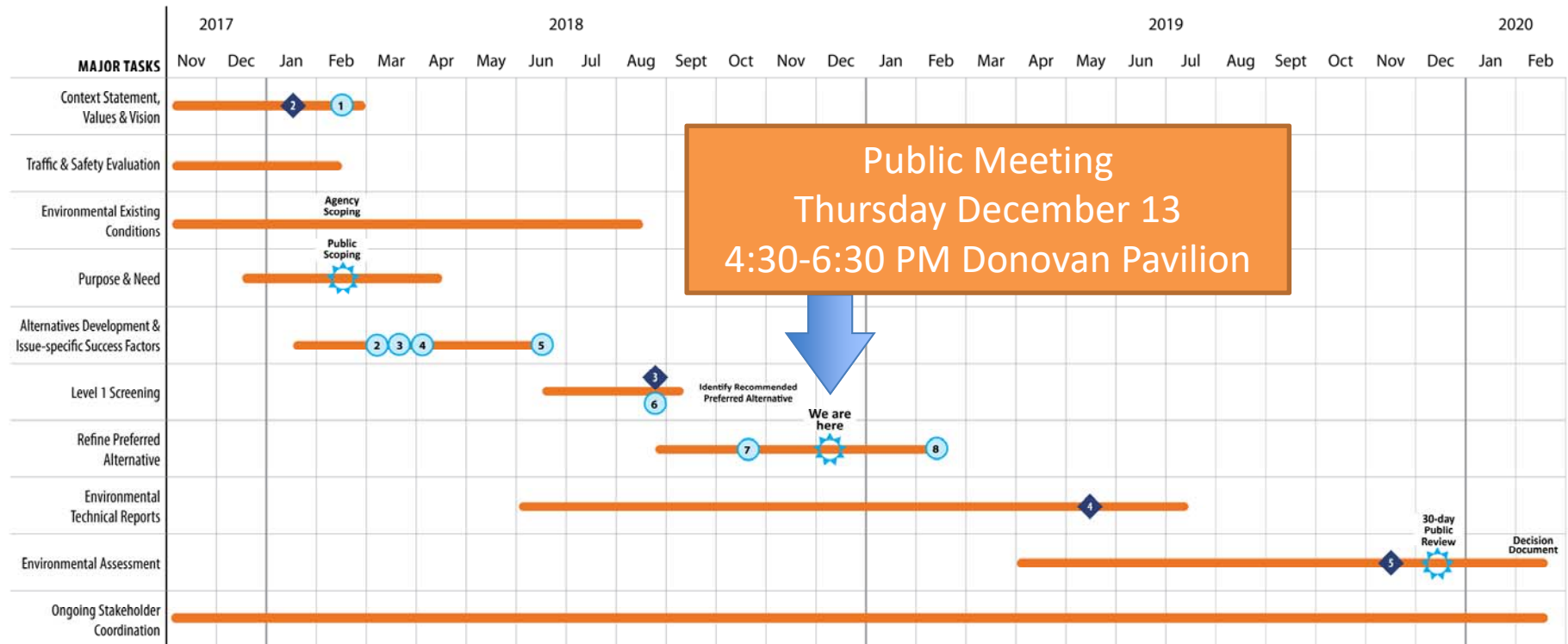
TOTAL ECONOMIC IMPACT EACH HOUR I-70 IS CLOSED

\$1,000,000



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SCHEDULE



Public Meeting Goals and Objectives:

- o Provide update on progress since Feb 2018 public meeting
- o Gather public comments regarding Proposed Action
- o Gauge public prioritization of core values related to design option refinement



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PROJECT CONSIDERATIONS

PROJECT INPUT:

- Safety
- Operations
- Traffic during construction
- Terrestrial Wildlife Permeability
- Aquatic Wildlife
- Water quality/resources
- Wetlands
- Recreation
- Noise
- Aesthetics
- Landscaping
- Limits of Disturbance
- Recreation Path
- Maintenance
- Emergency Services
- Historical
- Utilities
- Residents
- Businesses
- Truck Parking/Chain up/Ramps
- Visual
- Etc. (More to list)

STAKEHOLDERS:

- USFS
- Town of Vail
- Eagle County/Eco Trails
- Summit County
- I-70 Coalition
- Colorado Motor Carriers Assoc.
- State Historic Preservation Office
- Colorado Snowmobile Assoc.
- Trout Unlimited
- Colorado Parks and Wildlife
- Eagle River Watershed Council
- ERWSD
- EPA/NRCS/CDHPE/DNR Water R.
- Army Corp Engineers
- US Fish and Wildlife
- Eco-Resolutions
- Rocky Mountain Wild
- Vail Fire and Emergency Services
- Vail Police Department
- Eagle County Paramedics
- Colorado State Patrol
- Etc. (More to list)

Stakeholder Groups:
Core Values
Critical Issues
Success Factors

CSS Process

SOLUTION:

Balancing the interests of all the Stakeholders and Project Inputs

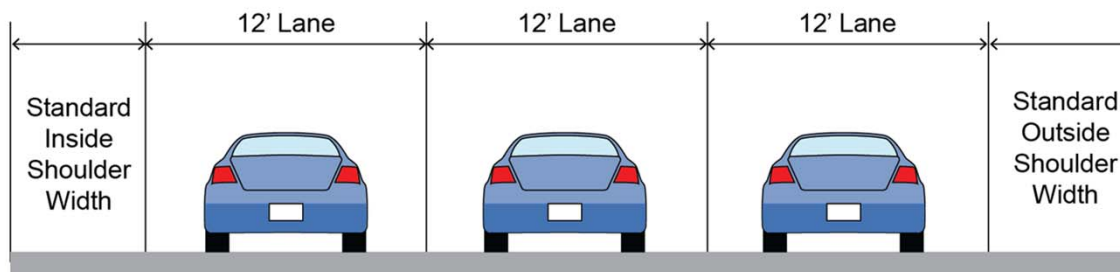


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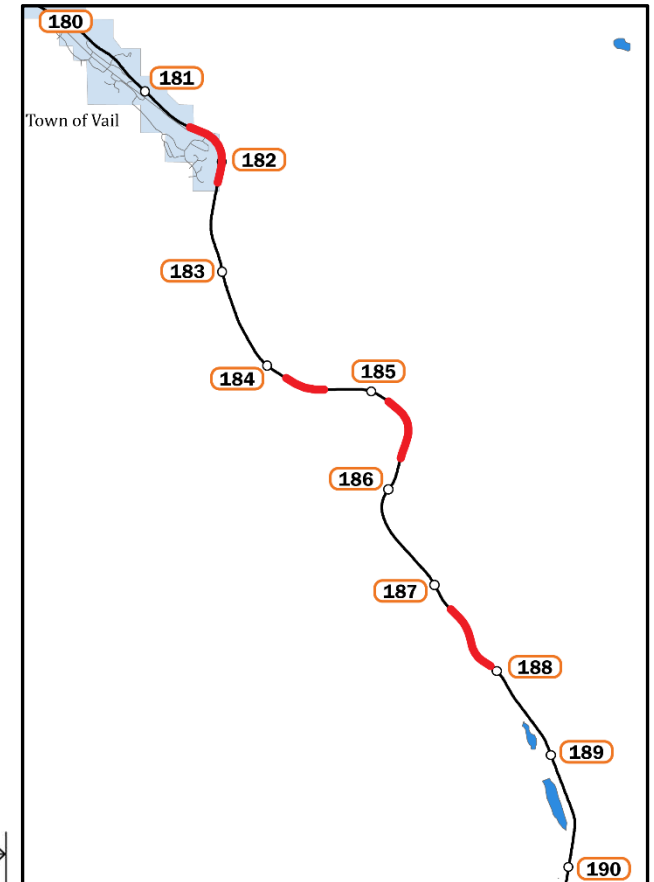
PROPOSED ACTION

AUXILIARY LANES WITH FULL SHOULDERS, CURVE MODIFICATIONS, AND ITS IMPROVEMENTS

- Widens EB and WB roadway to three 12-foot lanes and standard shoulder widths
- Potential exceptions to the standard shoulder width may occur to avoid impacts to sensitive environmental areas, rock cuts, etc.
- Includes curve modifications and ITS improvements



Proposed cross-section of Auxiliary Lanes with Full Shoulders with Curve Modifications and ITS Improvements





EXAMPLE CURVE MODIFICATION

