Alternatives Evaluation Matrix - Cornwall - Middlebury STP 0172(11)

	Hamblin Road to Ridge Road		Ridge Road to Lemon Fair Road		James and Cider Mill Road Intersection								Ledge Creek Crossing to End of Project	
	Short-Term Improvement	Medium-Term Improvement	Short-Term Improvement	Short-Term Improvement	Short-Term Improvement	Short-Term Improvement	Short-Term Improvement	Short-Term Improvement	Short-Term Improvement	Medium-Term Improvement	Medium-Term Improvement	Medium-Term Improvement	Short-Term Improvement	Short-Term Improvement
	No Build	Cable Guardrail Replacement	No Build	Tree Clearing	No Build	Refresh Pavement Markings	Replacement of Signage with LED Signage	Optical Speed Bars	Gate Post Stop Sign	Tree Clearing	Vehicle Actuated Beacon with Detector	Transverse Rumble Strips	No Build	Optical Speed Bars
Estimated Costs	$0	$18,000	$0	$2,000	$0	$4,000	$12,000	$1,000	$1,000	$2,000	$35,000	$10,000	$0	$1,000
Meets Purpose & Need	No	Yes	No	Partial	No	Partial	Partial	Partial	Partial	Partial	Partial	Partial	No	Partial
Impacts														
Drainage	No	None	No	None	No	None	None	None	None	None	None	None	No	None
ROW	No	None	No	None	No	None	None	None	None	None	None	None	No	None
Utilities	No	None	No	None	No	None	None	None	None	None	Utility Coordination	None	No	None
Historic	No	Further Study Req	No	Further Study Req	No	None	None	None	Further Study Req	Further Study Req	Further Study Req	None	No	None
Archeological	No	Further Study Req	No	Further Study Req	No	None	None	None	None	None	Further Study Req	None	No	None
Wetlands	No	Very Low	No	Very Low	No	Very Low	Very Low	Very Low	Very Low	Very Low	Very Low	Very Low	No	Very Low
Hazardous Materials	No	None	No	None	No	None	None	None	None	None	None	None	No	None
Floodplain	No	None	No	None	No	None	None	None	None	None	None	None	No	None
Threat. & End. Species	No	None	No	None	No	None	None	None	None	None	None	None	No	None
Operation														
Roadway Safety	No	Slight Improvement	No	Slight Improvement	No	Slight Improvement	Slight Improvement	Slight Improvement	Slight Improvement	Slight Improvement	Slight Improvement	Moderate Improvement	No	Slight Improvement
Bike and Pedestrian Safety	No	None	No	Slight Improvement	No	None	None	Slight Improvement	Slight Improvement	Slight Improvement	None	None	No	Slight Improvement
Motorist Sight Lines	No	None	No	Moderate Improvement	No	None	None	None	Moderate Improvement	Moderate Improvement	None	None	No	None
Permits														
Act 250	No	No	No	No	No	No	No	No	No	No	No	No	No	No
NEPA	No	No	No	No	No	No	No	No	No	No	No	No	No	No
401 Water Quality	No	No	No	No	No	No	No	No	No	No	No	No	No	No
404 COE Permit	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Stream Alteration	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Stormwater Discharge	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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	Ridge Road to Lemon Fair Road	James and Cider Mill Road Intersection			Ledge Creek Crossing to End of Project		
	Long-Term Improvement	Long-Term Improvement	Long-Term Improvement	Long-Term Improvement	Long-Term Improvement	Long-Term Improvement	Long-Term Improvement
	Shoulder Widening (11-5)	Shoulder Widening (11-5)	Buffered Bike Lanes	Separated Shared Use Path	Shoulder Widening (11-5)	Buffered Bike Lanes	Separated Shared Use Path
Estimated Costs	$1.1M	$2.0M - $3.2M	$2.2M - $3.5M	$2.1M - $3.3M	$2.8M - $4.5M	$3.2M - $5.1M	$3.4M - $5.0M
Meets Purpose & Need	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Impacts							
Drainage	Moderate	Moderate	Moderate	High	Moderate	Moderate	High
ROW	Low	Low	Moderate	Moderate	Low	Moderate	Moderate
Utilities	Pole Relocations	Pole Relocations	Pole Relocations	Pole Relocations	Pole Relocations	Pole Relocations	Pole Relocations
Historic	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req
Archeological	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req	Further Study Req
Wetlands	Low	Low	Moderate	Moderate	Low	Moderate	Moderate
Hazardous Materials	None	None	None	None	None	None	None
Floodplain	None	None	None	None	None	None	None
Threat. & End. Species	None	None	None	None	N. Long-Eared Bat	N. Long-Eared Bat	N. Long-Eared Bat
Operation							
Roadway Safety	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement
Bike and Pedestrian Safety	Moderate Improvement	Moderate Improvement	Significant Improvement	Greatest Improvement	Moderate Improvement	Significant Improvement	Greatest Improvement
Motorist Sight Lines	Slight Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement	Significant Improvement
Permits							
Act 250	No	No	No	No	No	No	No
NEPA	CE	CE	CE	CE	CE	CE	CE
401 Water Quality	No	Yes	Yes	Yes	Yes	Yes	Yes
404 COE Permit	No	Potential	Potential	Potential	Potential	Potential	Potential
Stream Alteration	No	No	No	No	No	No	No
Stormwater Discharge	Probable	Probable	Probable	Probable	Probable	Probable	Probable

These ranges are quite broad, can they be narrowed?