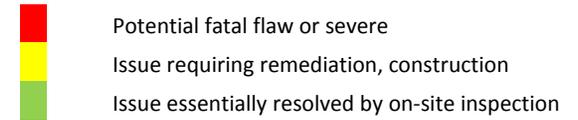


**ULSTER COUNTY
CORRIDOR EVALUATION**

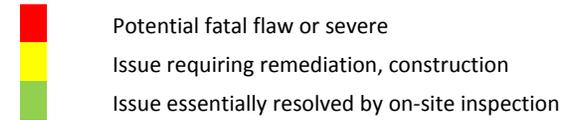


Mitigation Strategies and Issues - Rail with Trail Concept

11/16/2015 Stone Consulting

	Location	Situation	distance	CMRR approach	Stone approach	Severity	Comments
D E P	11-10.77	Glenford Dike	1800'	4' Trail south of stone wall	10' Trail north of stone wall on original dike design as found in 1913 bid docs		Inside DEP lease agreement area and may be non-negotiable with signed agreement
	10.2-10.5	West Hurley depot and trailhead		Trail through parking lot w/ crossover to S. side	Crossover by depot area and 10' on S. side.		Inside DEP lease agreement area and may be non-negotiable with signed agreement
	MP10 - MP 9	Deep rock cuts (Bluestone) both sides 30+ feet wide	3300' Bluest.	Divert walking trail to top of cut within ROW area	Clear cut area to 30-35' and reconstruct track to one side opening remainder. Trail on same elevation		
	MP 9.5	Steep slope to south wetland		Trail to north side of track on ROW	Possible with limited trail width. Not possible on south side		Drains to wetland to south
	MP 8.5-9	Deep fill with wetlands both sides 1.5:1 steep slopes No cross drainage	2700'	4' trail on south side on retaining wall	Same as CMRR but may be fatal flaw on wall construction impacts		Worst problem on upper end Minor fill settlement May need lowered for trail
	MP9	Beesmer Rd. Br.	25'	Crossover	Crossover		No need for second bridge due to very short length.
	MP 8.5-9	Industrial/Commercial		No notations	Viewscape issues with lineside property owners		Three adjacent industrial properties next to recreational trail
	MP 8.33	Rt. 28A crossing		No notations	Bollard barriers for trail advance warning, flashers for rail necessary		Hazardous crossing for rail or trail

**ULSTER COUNTY
CORRIDOR EVALUATION**

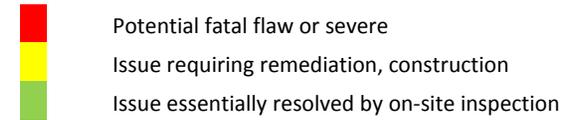


Mitigation Strategies and Issues - Rail with Trail Concept

11/16/2015 Stone Consulting

Location	Situation	distance	CMRR approach	Stone approach	Severity	Comments
MP 8.3	Wet cut area	300' Bluest.	Through cut on south side no notations	Excavate and drain cut for any usage rail or trail; may revert to wetland if not active rail use		Critical for rail or trail use
MP 8.15	General alignment to bottom of grade	300'	crossovers and retaining walls	Clear and widen shale cuts toward hillside for recreational trail clearance		Varies at location Track may be minor relocation in some areas.
MP 8.15	General alignment to bottom of grade	To MP 6.3	No notations	Traffic noise from adjacent Rt. 28; hill climbing traffic descending traffic.		(Trail only) better than 28 but nearly as bad for noise
MP 8.10-8.2	Fill	400'	Retaining wall south	Widen fill south		Use shale from cuts
MP 7.9	Cut	562' shale	crossovers and retaining walls	Clear and widen shale cuts toward hillside for recreational trail clearance		
MP 7.75	Fill (deep)	433'	Retaining wall north	Widen fill south Culvert box already extended		Deepest fill area on entire section; drops to Rt. 28 level
MP 7.63	Fill (short)	56'	Retaining wall north	Widen fill south		
MP 7.51	Cut	340' shale	Trail up and over hillside or retaining wall north	Widen cut south		Tree removal may be issue on upper hillside edge
MP 7.39	Cut	243' shale	Trail up and over hillside or retaining wall north	Widen cut south		Tree removal may be issue on upper hillside edge
MP 7.28	Former Siding on north side		4' trail on north side	crossover from south to north and 10' trail continuing		Easiest dual-use section

**ULSTER COUNTY
CORRIDOR EVALUATION**



Mitigation Strategies and Issues - Rail with Trail Concept

11/16/2015 Stone Consulting

Location	Situation	distance	CMRR approach	Stone approach	Severity	Comments
	(begin)			or relocate track to north side		
MP 6.74	Former siding on north side (end)		4' trail on north side	Continue as above		Easiest dual-use section
MP 67.4 MP 6.63	Parallel logging road		Crossover to south, parallel logging road use or ret. Wall on north side	Logging road south allows wider 10' width w/acceptable grade		Survey logging road location to verify on ROW
MNP 6.62	small tire dump		not mentioned	Clean up for rail or trail		
MP 6.54	Close residence and crossing		Trail on wall on north side	Shift rail south; minor wall back to recreational trail		Likely encroachments here Narrow 50' ROW needs additional space - wall tight
MP 6.44	Low fill and narrow ROW		crossing; or trail on wall assumed to north	Minor fill work to inside but narrow ROW.		
MP 6.4	Low fill	257'	Either inside out outside	possible crossover or stay on N side w/wall		
MP 6.3 (est)	Polar location		New for 2015			Put close to road by choice Not normal location policy by Rail Events (confirmed)
MP 6.29	Close residence and encroachments		Either inside or outside	Agree with N. side retaining wall in this area as only issue is Rt. 28 proximity downhill		
MP 6.29	Cut (Bluestone) (Very narrow)	520' x 12 dp x 15'6 W	Walking trail 'up and over' either side of the cut	Excavate cut to north side and use fill material for south of Hurley Mt. Road		Most difficult situation on portion closest Hurley Mt. Rd.

**ULSTER COUNTY
CORRIDOR EVALUATION**

 Potential fatal flaw or severe
 Issue requiring remediation, construction
 Issue essentially resolved by on-site inspection

Mitigation Strategies and Issues - Rail with Trail Concept

11/16/2015 Stone Consulting

Location	Situation	distance	CMRR approach	Stone approach	Severity	Comments
MP 6.23	Polar location		Original 2014 site	Further back from road than current location		Quieter location away from highway but too close into Kingston
MP 6.2	Cut Bluestone/Shale	200' on N.	Walking trail 'up and over' either side of the cut	Excavate north side for additional space for full-width trail		South side is not feasible as high Bluestone rock face
M 5.9	Hurley Mt. Road		No notations	Bollard barriers for trail advance warning, flashers for rail necessary		Hazardous crossing for rail or trail