



Middlebury WCRS(23) – Rail Support Projects

Project Cost Increase

- **Middlebury WCRS(23) – Total increase \$28.5 Million**
 - \$10 Million Increase in Construction
 - Precast Structure (Complicated alignment)
 - Hazardous Material on site
 - Landscaping details (EA)
 - Higher than expected support of excavation along Rail corridor
 - \$1 Million Increase in Engineering
 - \$16.5 Million Increase in Rail Detour Costs (From Last years Estimate)
 - Many unknown costs in projects for upgrades (Global - fuel supplier)
 - Increased scope (detour route – 20MPH)
 - Rail detour continuity incentive
 - Actual operating costs vs estimated
 - \$1 Million Increase in ROW acquisition/Utility Relocation
 - One total taking required for safety
 - Business Loss – Battel Block
 - 29 effected parcels settled
 - Additional scope for Green Mountain Power relocation – underground
- **RUTLAND WCRS(23) C/3 – Total Increase \$446,800**
 - Increased scope (turnouts) / purchase of new material rather than in Stock State supplied
- **RUTLAND WCRS(23) C/4 – Total Increase \$308,329**
 - Increased scope (turnouts) / purchase of new material rather than in Stock State Supplied / coordination with TIGER Project

Project Name	Actual	2017 Estimate	Difference	
Leicester Wye North Leg Rehabilitation	\$ 1,569,033.00	\$55,000.00	(1,514,033.00)	Contract Award 10/02/2018
Rutland - Middlebury	\$ 3,148,494.00	\$927,552.00	(2,220,942.00)	Contract Award 12/05/2018
Rutland Engine House Stub Track	\$ 819,299.00	\$75,000.00	(744,299.00)	Contract Award 11/14/2019
Rutland Wye Rehabilitation	\$ 473,328.00	\$193,000.00	(280,328.00)	Contract Award 11/14/2019
Global Terminal Modification and tank lease	\$ 2,927,573.00	\$3,545,890.00	618,317.00	Executed Agreement 03/13/2019
NECR Burlington Sub Track	\$ 1,658,917.00	\$300,000.00	(1,358,917.00)	Executed Agreement 8/02/2019
NECR White River Junction Crossover	\$ 644,865.00	\$1,500,000.00	855,135.00	Executed Agreement 8/02/2020
GMRC Track Improvements/20 Hour work windows	\$ 4,556,621.00	\$3,489,240.00	(1,067,381.00)	Executed Agreement 5/07/2019
GMRC Bridge Strengthening	\$ 1,593,568.00	\$0.00	(1,593,568.00)	Executed Agreement 10/24/2019
12 Week Shutdown VRS	\$ 6,448,206.00	\$2,291,139.00	(4,157,067.00)	Executed Agreement 6/25/2019
12 Week Shutdown VRS - Insurance Estimate	\$ 100,646.00	\$85,000.00	(15,646.00)	Executed Agreement 6/25/2019
Rail Detour Continuity Incentive VRS	\$ 420,000.00	\$0.00	(420,000.00)	Executed Agreement 6/25/2019
Rail Detour Continuity Incentive NECR	\$ 420,000.00	\$0.00	(420,000.00)	Executed Agreement 8/02/2020
	\$ 24,780,550.00	\$12,461,821.00	(12,318,729.00)	
Infrastructure upgrade overrun	(7,813,062.00)			
Operating cost overrun (includes \$2,139,442 contingency)	(4,505,667.00)	\$ (2,366,225.00)		
	(12,318,729.00)			

Railroad Detour Summary

- 2017 Preliminary Estimate - \$12.46 Million
- Current Estimate - \$24.78 Million
- Infrastructure Overrun – \$7.81 Million
- RR Operating Overrun – \$2.36 Million (no contingency)

Middlebury Tunnel Project Update

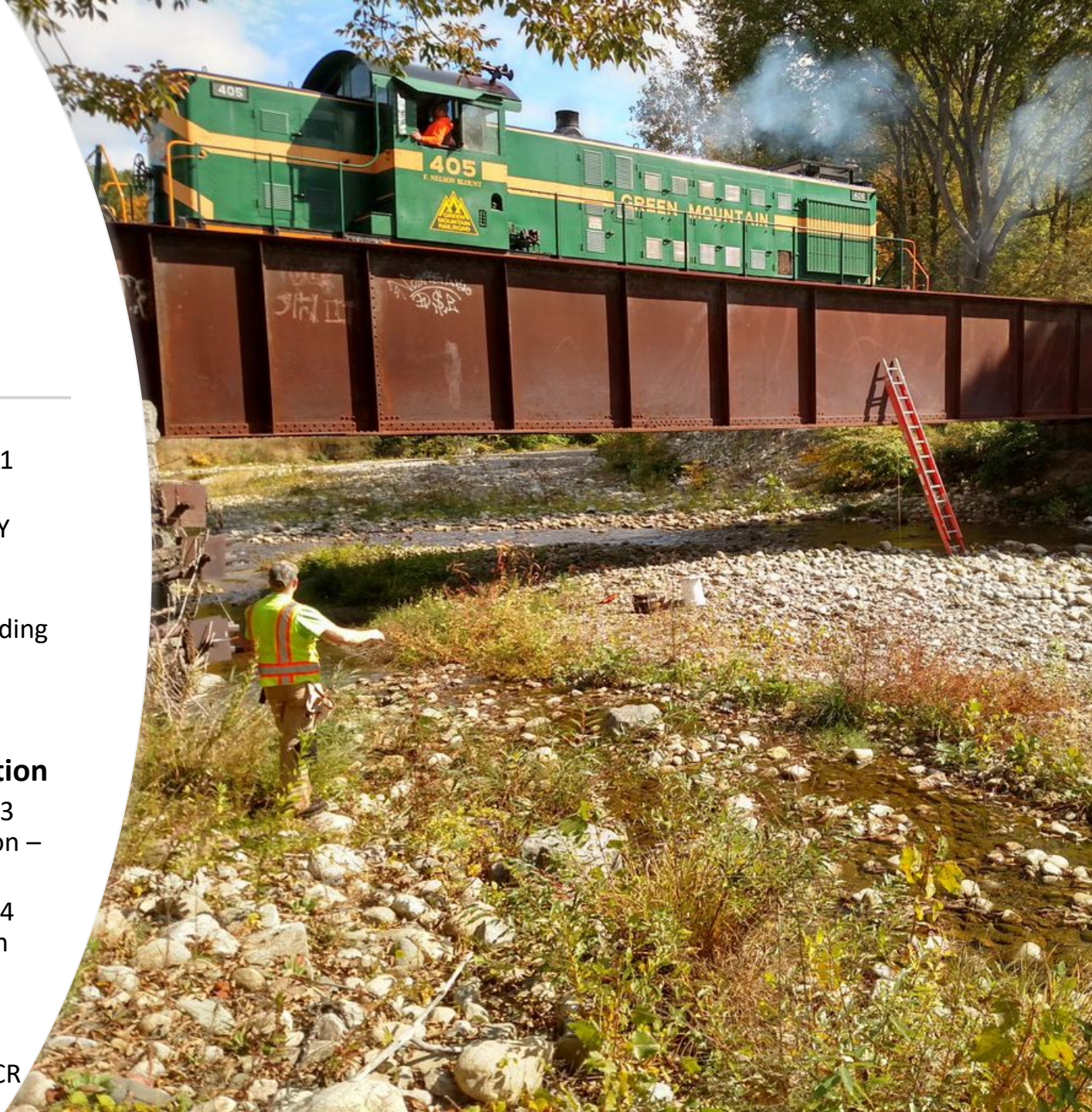
Rail Detour Support Projects

• Completed Projects

- LEICESTER WCRS(23)C/1 18B040 Wye Rehab
- RUTLAND-MIDDLEBURY WCRS(23)C/2 18B041 Siding/Switches
- Upgrades to Global loading facility (Albany, NY and Burlington, VT)

• Projects under Construction

- RUTLAND WCRS(23) C/3 18B299 Wye Restoration – On the 10G Report
- RUTLAND WCRS(23) C/4 18B300 Stub Track – On the 10G Report
- Upgrades for increased loading on the Green Mountain Line and NECR





LEICESTER WCRS(23)C/1 Wye Rehab

Original Estimate - \$55,000

Cost - \$1,569,033

Increase - \$1,514,033



RUTLAND-MIDDLEBURY WCRS(23)C/2 Siding/Switches

Original Estimate - \$927,552

Cost - \$3,148,494

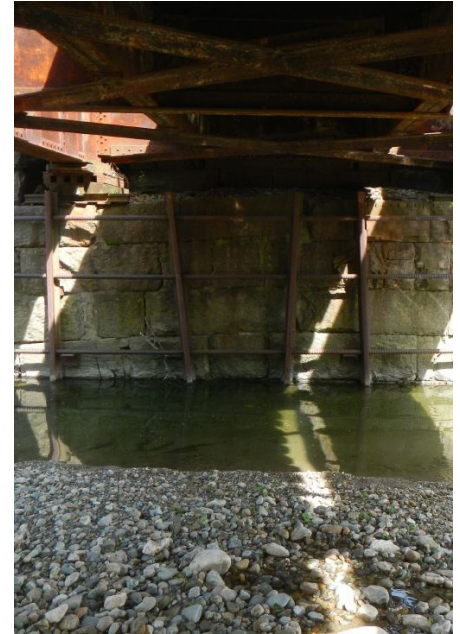
Increase - \$2,220,942



GMRC Structural Steel Upgrades

- Rail detour speed needs to be 20 mph to meet the track times of the competing railroad
- Four structures along the GMRC did not load rate for 20 mph speeds
- This cost was not previously considered in past estimates (January of 2019)
- Total Cost Estimate \$1.6 Million
- Currently being upgraded by ECI





GMRC Structural Steel Upgrades



GMRC Structural Steel Upgrades



Questions??