

Design Quality Index Report

1/14/2020

Contract ID 20180814003

Project ID 7016-00-05

County Monroe

Federal ID N/A

Region SW

Number of Factors Rated 16

Highway LOC STR

Total Factor Score 98

Construction on time? Yes

Project Index 6.1

Evaluation Date 01/14/20

Consultant Design Firm MSA

Project Cost 340,266.56

Inhouse Design

Representing

Raters Matt Palkowski

WisDOT

Remarks

MSA designed a good plan that didn't need any major change orders to complete.

Ratings

- 1 = Major problems, not constructable without major plan or design changes
- 2 = Major to moderate construction problems, moderate design or plan changes
- 3 = Moderate problems, constructable, minor design or plan changes
- 4 = Moderate to minor construction problems, minor to no design or plan changes
- 5 = Minor construction problems, no plan or design changes
- 6 = Minor to no construction problems
- 7 = No construction problems

<u>Factor</u>	<u>Rate</u>	<u>Comments</u>
Right of Way(adequate to construct)	6.0	There was enough right of way to construct this project.
Horizontal Alignment(fit)	7.0	No issues.
Vertical Alignment (fit and drainage)	7.0	No issues.
Earthwork	7.0	No issues.
Work Zone Traffic Control Plans	7.0	No issues.
Erosion Control Plans	4.0	Stream had too high of a velocity for turbidity barrier. The streambed was mostly rock with large boulders which didn't allow the contractors to stake the turbidity barrier to the streambed.
Construction Staging	7.0	The contractors had plenty of work space within the project limits.
Utility Coordination	4.0	WE Energies had a major utility upgrade which shut down this project for a week.
Special Provisions	5.0	No mention of WE Energies utility upgrade.
Consistency between plans and special provisions	6.0	There was good consistency between Special Provisions and plans.
Drainage	7.0	This was good.
Quantities	6.0	Most of the quantities were within 10% of the estimated quantities. Missed construction staking curb bid item.
Contract Time	7.0	There was plenty of time for the contractor to complete this project. Good job estimating driven pile lengths.
Structures	AVG. 6	
Plans accurate and complete	7.0	The plan was easy to follow.

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Soils information and Foundation Details	7.0	This was good.
Utility information accurate && complete	4.0	WE Energy impacted the project after the bridge was completed, but before the road was open.
Special Provisions clear and concise	5.0	WE Energy impact was not mentioned.
Ease of assembly and construction	7.0	The contractors did not have any issues.
Survey	6.0	This was good.
Soils	6.0	This was good.