

## **Low Risk Pilot Local Bridge Program (State Funded, non-NHS) Performance Measures**

Performance measures are based on a selection of “Control Groups” of projects established for each improvement type in the pilot (bridge replacement, bridge rehabilitation) comparable to cost and concept identified by WCHA with WisDOT.

### **Budget**

1. Project Cost – compare construction cost
  - WisDOT and WCHA to identify a set of Control Groups of projects for this measure that use the regular process for delivery. This measure will identify a cost per square foot of bridge deck for each bridge replacement or bridge rehabilitation project in the Low Risk pilot and Control Group. The low bid prices are to be used for the square foot calculations.
  - This measure will compare the project cost per square foot for each Low Risk bridge to the average square foot cost of the Control Group.
  - This measure will be considered a success if 75% or more of the Low Risk bridges cost less than the average of the Control Group for the appropriate improvement type.
2. Project Delivery – compare design and construction delivery cost to similar projects using the regular process
  - WisDOT and WCHA to identify a Control Group of projects.
  - This measure will identify delivery cost of each project by adding consultant costs and WisDOT oversight costs together to create a “total design delivery cost” and a “total construction delivery cost”
  - The measure will compare the total delivery cost per phase of each Low Risk project to the average delivery cost of the control group.
  - This measure will be considered success if the majority of the Low Risk projects have delivery costs lower than the average delivery cost of the Control Group.

### **Measurement Tool:**

1. Estimate at Letting
2. Project Cost Detail - FIIPS

### **Schedule**

1. Design Schedule – compare date of plans, specifications, & estimates (PSE) submittal to original established PSE date and compare to like projects in the regular process
  - WisDOT and WCHA to identify a Control Group of projects using the regular delivery process.
  - The measure will be on the date the PSE is delivered to Madison for review. If the project is delivered past the original PSE date this time will be considered a delay. The number of days of delay will be identified for each project in the Low Risk pilot.
  - This measure will make two comparisons
    - i. The actual PSE delivery date will be compared to the scheduled PSE date at project initiation.
    - ii. The average number of days of delay in the Low Risk pilot will be compared to the average number of days in the Control Group.
  - This measure will be considered a success if
    - i. The actual PSE delivery date is on or before the original PSE scheduled date for at least 75% of Low Risk projects
    - ii. The average number of days of delay for Low Risk program does not exceed the average number of days of the Control Group.
2. Delivery Schedule – compare design delivery schedule to similar projects using the regular process
  - WisDOT and WCHA to identify a Control Group of projects.
  - This measure will identify for each project in Low Risk pilot the time it takes the project to go from the notice to proceed (NTP) date to let date. This will be called the design delivery time.
  - The measure will compare each project’s design delivery time to the average design delivery time of the Control Group.
  - This measure will be considered a success if 75% of the project design times in the Low Risk pilot are less than the average design delivery time of the Control Group.
3. Construction Finals – submittal of all construction records and agreed final quantities by the LPA within 6 months of project completion
  - This measure is the time between the substantial completion date and the date that all records and agreed quantities are submitted to WisDOT for review.

- The measure compares the time it takes each project to close construction records to the 6-month goal.
- This measure will be considered a success if 100% of projects complete the finals process within 6 months.

**Measurement Tool:**

**1. Project milestone reports – Design and Construction**

**Quality**

1. Environmental Document Reviews – track number of times environmental document goes to WisDOT for review. Goal would be only one review needed to obtain approval.
  - The measure is the number of reviews needed by WisDOT to approve the environmental document. The process should be: WisDOT reviews submitted environmental document and provides comments. Designer addresses the comments and resubmits. WisDOT reviews revised document and approves the document.
  - The measure will determine number of projects that achieve the one review goal.
  - This measure will be considered a success if 75% of projects in the Low Risk pilot achieve the one review goal.
2. Construction Contract Modifications – calculate the dollar value of contract modifications as a percentage of let cost.
  - WisDOT and WCHA to identify a Control Group of projects for this measure.
  - The measure is the dollar value of state funded construction contract modifications per project. The measure will be expressed as a percentage of the construction bid amount for each project.
  - The measure will use the data in two ways.
    - i. Each project percentage will be compared to the average percentage of the Control Group.
    - ii. The change order percentage for all projects in the Low Risk program is calculated.
  - Success is defined as
    - i. The majority of Low Risk projects have change order percentage less than average percentage of the Control Group.
    - ii. The Change Order percentage for Low Risk program is less than 5%.
3. Construction Contract Modifications – Communication
  - LPA will track their awareness and notification of all construction contract modification justifications for projects in the Low Risk pilot.
  - The measure will be a count of contract modifications per project.
  - The total amount of contract modifications processed per project will be compared to the LPAs count.
  - This measure is a success if the number of modification justifications received by the LPA, matches the total number modifications on the project.

**Measurement Tool:**

- 1. Project Milestone Tracking Report**
- 2. Project Tracking Construction Contract Modifications report**
- 3. Contract Modification Justifications**

**Qualitative Responses**

In addition to the above mentioned quantitative measures, the evaluation of the Low Risk pilot will solicit LPA, joining Counties, DNR and WisDOT staff involved in the pilot to provide subjective answers to a set of questions:

1. What Best Practices did you develop or see others use that helped make this pilot a success?
2. What aspects of the pilot were challenging? How were those challenges overcome?
3. What improvements can you suggest that would make the Low Risk program better in the future?
4. What should be the next step(s) in expanding the Low Risk concept in the Local Program?
5. Would you like to participate in future low risk project opportunities?

**Measurement Tool: LPA Survey**