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## **2.0 Phase II Evaluation Objectives**

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The goals and objectives for evaluating ramp meter effectiveness in the Twin Cities Metropolitan Region were designed to investigate system performance and public acceptance of the new ramp metering strategy. Implemented following the shutdown – as described in Section 1.0, page 1-2. The Phase II evaluation goals include:

1. To evaluate whether the benefits of the new ramp metering strategy outweigh the impacts and associated costs;
2. To identify the impacts of the new ramp metering strategy at selected surface streets; and
3. To evaluate the impacts of the new metering strategy on freeway-to-freeway ramps.

For each of the broad evaluation goals, several detailed evaluation objectives were identified. These evaluation objectives provided the framework for conducting the evaluation. Table 2.1 presents the evaluation objectives as they relate to each of the evaluation goals. The following sections describe in greater detail the tasks required to fulfill each of the evaluation’s three main goals and associated objectives.

**Table 2.1 Phase II Evaluation Goals and Objectives**

Evaluation Goal	Evaluation Objectives
Evaluate whether the benefits of the new ramp metering strategy outweigh the impacts and associated costs	<ul style="list-style-type: none"> <li>• Quantify ramp traffic flow impacts/benefits (positive and negative) of the new metering strategy at selected corridors</li> <li>• Quantify freeway mainline traffic flow impacts/benefits (positive and negative) of the new metering strategy at selected corridors</li> <li>• Quantify safety impacts/benefits (positive and negative) of the new metering strategy at selected corridors</li> </ul>
Identify the impacts of the new ramp metering strategy at selected surface streets	<ul style="list-style-type: none"> <li>• Identify ramp metering impacts on selected local streets</li> <li>• Document additional ramp metering benefits/impacts observed during the study</li> </ul>
Evaluate the impacts of metering freeway-to-freeway ramps	<ul style="list-style-type: none"> <li>• Quantify impacts/benefits (positive and negative) of freeway-to-freeway ramp metering at one location</li> </ul>