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<th>Innovation Implementation Stage Definitions</th>
<th>Prompt Questions for Describing the Implementation Stage</th>
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| Not Implementing: The State is not currently using the innovation (ATSPMs) anywhere in the State and is not interested in the innovation. | Describe the rationale behind not electing to pursue implementation:  
• State has evaluated ATSPMs and determined that it is not appropriate for the jurisdictional or technical restrictions of traffic signal infrastructure within the State.  
• State does not have the resources (human, financial, or technological) to implement the innovation.  
• State chooses not to implement at this time but may pursue innovation at a later date. |
| Development Stage: The State is interested in pursuing ATSPMs and intends to increase implementation readiness at the State and/or local level through capacity-building activities. | Has the State or any local agency pursued, or interested in pursuing, any of the following outreach or implementation activities?  
• Conduct a Capability Maturity Assessment (CMM)*  
• Host an ATSPMs workshop or training at state and local levels  
• Participate in a peer exchange, site visit or scan tour  
• Collect/review guidance and best practices  
• promote development of Traffic Signal Management Plans  
• Identifying candidate corridors or subareas where ATSPMs may be piloted in the future. |
| Demonstration Stage: The State or local agency(s) has implemented or is advancing a pilot/evaluation of ATSPMs. During this stage one or more signalized intersections are actively collecting data to support assessment of one or more performance measures. | • Has a CMM* Assessment been conducted to support implementation?  
• What are the locations (State/local) of signalized intersections selected for pilot/evaluation or implementation of ATSPMs?  
• What Performance Measures are being assessed? (i.e., Purdue Coordination Diagram, Speed, Arrival on Red, etc.)  
• Have evaluation reports been developed to capture lessons learned?  
• Is additional implementation planned during the EDC-4 timeframe?  
• Has plan been created to share the results and lessons learned from the pilot/evaluation? |
| Assessment Stage: The State is beyond testing/piloting ATSPMs. The State is actively implementing the innovation to monitor the performance of signalized intersections in one or more jurisdictions within the State and actively promoting full implementation on all signalized intersections where appropriate. | • Has a CMM* Assessment been conducted to guide adoption of ATSPMs?  
• Is there an inventory of all signalized intersections within State and/or local jurisdictions indicating current and future implementation of ATSPM?  
• Has signalized intersection design guidance been developed to associate detection and communication needs for specific performance measures?  
• Are State and/or local agencies routinely collecting and reporting Traffic Signal Performance Measures and sharing this data as a resource?  
• Has a Traffic Signal Management Plan been developed?  
• Are ATSPM lessons learned or training activities being delivered? |
| Institutionalized: ATSPMs is adopted by the State’s transportation community to support an objectives and performance based approach to maintenance, operation management and design of signalized intersections. | • Has a CMM* Assessment been conducted to systematically incorporate ATSPM into business practices?  
• Are ATSPMs routinely reported and utilized to guide maintenance, operations, or design activities; if yes, how?  
• Are ATSPMs routinely used to report progress on attainment of agency goals?  
• Are ATSPMs used to incorporate traffic signals into one of the core agencies’ Asset Management Tiers**?  
• Are ATSPMs regularly incorporated into training activities across the State?  
• Have steps been taken to ensure the sustainability of ATSPM including integration into State and regional planning process and identification of ongoing needed training and funding commitments? |
**Capability Maturity Assessment** evaluates the risks to reliable traffic signal program delivery through a quick assessment of business processes, systems and technology, workforce and performance measurement practices. The outcome of the assessment will help to formulate an implementation approach that addresses identified risks.

**Asset Management Tiers** track the status of specific categories of assets (e.g. pavement, bridges, traffic signals) to evaluate the maintenance and performance of the asset relative to the risk of negative financial impact resulting from deferred maintenance and/or poor performance.

**Progress Report Questions:**

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<th>Reporting Period:</th>
<th>Progress Report #2: July – December 2017</th>
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<td>1) If there has been NO CHANGE on this innovation during this reporting period and the previous Progress Report is still accurate, select &quot;No Change from Progress Report&quot; and you do not need to complete Questions 2-7. (Choice)</td>
<td>☐ No Change from Progress Report ☒ Changes indicated in Progress Report Below</td>
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<td>2) Division Contact for additional information:</td>
<td></td>
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<td>3) What is the State’s current stage of innovation implementation? Review the Innovation Profile Template and select the appropriate implementation stage for this innovation. (Choice)</td>
<td>☐ Not Implementing ☐ Development Stage ☒ Demonstration Stage ☐ Assessment Stage ☐ Institutionalized</td>
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<td>4) Describe the State’s accomplishments for this reporting period (both State DOT and local agency accomplishments). Please provide EDC-4 highlights with good &quot;so what&quot; nuggets.</td>
<td>The City of Albuquerque has proceeded to implement devices and equipment along a heavily used corridor (Coors Blvd. – NM 45) and recently begun collecting data to be used to adjust signal timing based on this data. All recommended data is being collected (speed, travel time, arrival on red, delay, pedestrian activity). However, the Purdue Coordination adjustments are now being implemented at this time. A report will be generated by the consultants overseeing the implementation. This report will summarize the benefits of the initiative and provide recommendations on the next steps which should be considered for further implementation or operational use. NMDOT has initiated the purchase of separate products to conduct their own implementation on other corridors statewide. This products will not be in place in mid 2018.</td>
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<td>5) Describe any additional assistance needed by your state.</td>
<td>NMDOT could benefit from a review of the products and implementation from other states as well as the FHWA to assist in evaluating a preferred product or development of a performance specification.</td>
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<td>6) Describe any implementation obstacles or lessons learned. Also, indicate if and how your state can provide assistance to others in their implementation of this innovation.</td>
<td>The IT Department within NMDOT is frequently demanding all that all products provide proof of increased security to avoid cyber attacks. As a result, they significantly slowed the procurement process.</td>
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<td>7) The responses have been coordinated with the necessary transportation agencies and Division Office technical resource. (Choice)</td>
<td>☒ Yes ☐ No</td>
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