NCHRP and Implementation

2019 RAC Summer Meeting

July 2019
The NCHRP Implementation Support Program (NCHRP Project 20-44)

- Completed and in-development products eligible.
- No minimum or maximum amounts.
- Funding based on readiness, implementation plan, and potential impacts.
- Current NCHRP panels, State DOTs, or AASHTO Committees/Councils can apply.
- No deadline for applications.
- Implementation overseen by a panel of experts managed by NCHRP staff.
- Does not pay for continuation of research.
The NCHRP Implementation Support Program Process

1. **Application**
   - 1.1 Identify NCHRP product(s) for implementation
   - 1.2 Complete application form¹
   - 1.3 Email application form to smohan@nas.edu

2. **20-44 Panel review**
   - 2.1 Answer panel comments and questions
   - 2.2 Final panel decision

If the panel approves funding, move on to next phase²

3. **Project development**
   - 3.1 Request for Proposals developed & issued
   - 3.2 Contractor selected

4. **Implementation**
   - 4.1 Implementation activities conducted
   - 4.2 Monitoring of implementation activities
   - 4.3 Intermediate & final reports
   - 4.4 Final evaluations

End of project

Notes
- ¹ The application form can be submitted by a State DOT employee, an NCHRP panel member, and/or an AASHTO Council/Committee member.
- ² In the case of non-approval of funding requests, feedback from the panel (if any) will be communicated back.
Since January 2019...

17 implementation related enquiries

13 implementation requests submitted

8 requests worth $1.3 million funded

Average 1.9 years duration and $165,000 cost

Efforts range from $45,000 to $385,000
## Example implementation projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Implementation activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCHRP Project 03-121</td>
<td>Peer exchange, Workshops, Training materials</td>
</tr>
<tr>
<td>Incorporating Freight, Transit and Incident Response Stakeholders into Integrated Corridor Management (ICM): Processes and Strategies for Implementation</td>
<td></td>
</tr>
<tr>
<td>NCHRP Research Report 887</td>
<td>Workshop, Training materials</td>
</tr>
<tr>
<td>Underwater Installation of Filter Systems for Scour and Other Erosion Control Countermeasures</td>
<td></td>
</tr>
<tr>
<td>NCHRP Report 814</td>
<td>Training materials, Workshops, Community of practice</td>
</tr>
<tr>
<td>Implementing a Transportation Agency Data Self-Assessment</td>
<td>Training materials, Workshops, Community of practice</td>
</tr>
</tbody>
</table>
Incorporating Freight, Transit, and Incident Response Stakeholders into Integrated Corridor Management (ICM)

Amount requested: $250,000  
Duration: 18 months  
Source: NCHRP Project 03-121

- Conduct five workshops at different locations.  
- Directly assist transportation agencies in successfully achieving their ICM objectives.  
- Technical memorandum with a summary of findings from each workshop to enable future implementation.
The 20-44 Panel has learned a lot...

- The application needs to answer “Why, Who, What, When, Where and How”
- Not all research products are in an implementable form
- Capacity and resource challenges exist within states
- Change takes time
- There’s a lag between research need expressed and research product delivered
- Researchers may not be the best implementers
- Value and benefits take time to realize
...and we’d like to put that to work

**Implement**
- Streamline funding application process and guidance
- Create implementation plan template for all projects
- Coordinate with TRB and AASHTO committees
- Design “pathways to implementation”

**Evaluate**
- Guide ‘Value of Research’ project
- Case studies of funded implementation projects

**Sustain**
- Revamp NCHRP Implementation projects website
- Develop strategic relationships with AASHTO and FHWA programs

**Communicate**
- Implement new communications products and strategies
For more information

Visit our website
bit.ly/NCHRP-ISP

Or use this link >>

Email us
smohan@nas.edu

Sid Mohan - NCHRP Implementation Program Manager
This is your NCHRP