Strategic Plan for the
Committee on Maintenance

As approved by the Strategic Management Committee, September 22, 2018

GOAL 1: SAFETY

A safe, reliable highway system in a state of good repair

1.1 Workforce
Identify, promote and improve transportation workforce safety best practices.

1.2 Work zones
Identify, promote and improve transportation work zone safety best practices.

1.3 Equipment operations
Identify, promote and improve the effective use and safe operation of maintenance equipment.

1.4 Public
Identify, promote and improve maintenance best practices that allow the public to use transportation infrastructure safely.

GOAL 2: ASSET MANAGEMENT

Accountability and transparency through performance management

2.1 Performance Measures
Identify, develop and promote meaningful maintenance performance measures.

2.2 Performance Management
Identify and proactively share performance management best practices.

2.3 System Preservation
Identify, promote and support best practices in system preservation methods and procedures.

2.4 Asset Management Systems
Identify, promote and support best practices in asset management.

2.5 Accountability and Transparency
Identify, promote and support practices by which transportation infrastructure owners can demonstrate their maintenance decisions and results.

GOAL 3: ENVIRONMENTAL STEWARDSHIP

Promote environmental stewardship and compliance

3.1 Regulatory compliance
Promote and support best practices pertaining to regulatory compliance methods and procedures.

3.2 Climate change mitigation and adaptation strategies
Proactively share best practices in climate change mitigation and adaptation strategies.

3.3 Life cycle assessment
Promote and support best practices in life cycle assessments.

3.4 Ecosystems (Invasive species and endangered species)
Promote and support best maintenance practices for invasive species control and endangered species protection.

3.5 Sustainability
Identify, promote and support the use of materials and practices such that maintenance operations are sustainable.

GOAL 4: WORKFORCE DEVELOPMENT

Promote a well-qualified and competent workforce.

4.1 Training
Promote, support and share the use of innovative training processes and methodologies.

4.2 Succession Planning
Proactively share best practices in succession planning

4.3 Knowledge Management
Promote and support best practices in agency knowledge management strategies.

4.4 Workforce retention strategies
Promote, share and support best practices and strategies in retaining a qualified workforce.

4.5 Safety Training
Support the development of updated safety training courses and materials and promote their use by Maintenance personnel.

4.6 Training for Technology
Support the development of training courses and materials that reflect and

are appropriate for new and emerging technologies being used in Maintenance operations.

4.7 Support Maintenance Academies and NHI Courses

Promote and support the development and use of Maintenance Academies and NHI courses for Maintenance personnel.

GOAL 5: COMMUNICATION

Promote the communication of the value and role of maintenance.

5.1 Marketing

Support and share innovative marketing strategies and opportunities that promote the value of maintenance in general and successful strategies in particular.

5.2 Outreach and education

Proactively promote, support and share best practices in maintenance activity outreach and education to executives, elected officials and the traveling public.

5.3 Research products and implementation

Promote and support best practices in marketing product research and product implementation successes.

GOAL 6: RESEARCH

Promote research, innovation and technology.

6.1 Research Needs

Proactively and strategically identify maintenance research needs.

6.2 Research findings

Proactively promote, support and share the latest research findings and associated best practices.

6.3 Innovation

Proactively seek and share the latest innovations and associated best practices.

6.4 Technology Adaptation to Maintenance

Promote and share best practices in how and where technology has adapted to maintenance.

6.5 Maintenance Adaptation to Technology

Promote and share best practices in how and where maintenance practices and procedures have adapted to changes in technology.