

Transportation Asset Management Plan-Pavement Working Group

NCDOT Offices, Beryl Road, Raleigh

Summary for www.ncarpo.org

The Pavement Working Group and Bridge Working Group are a part of the process needed to develop a Statewide Asset Management Plan as required by the MAP-21 legislation.

The TAMP in other states includes NHS roads only. The decision was made at the Executive Committee meeting on August 11th, 2015 to include non-NHS roads in the TAMP. North Carolina has so much road mileage in non-NHS roads that if only non-NHS roads are considered, we do not really get an idea of the financial constraints involved.

The Asset Management Plan-Pavement Working Group meets approximately once a month:

- **July 2nd, 2015**-RPO representative, Brandie Crawford-The elements involved in developing a Transportation Asset Management Plan (TAMP) were presented by Katie Zimmerman of Applied Pavement Technology. Examples of various aspects of TAMPs in other states were also presented. (A PDF of the PowerPoint presentation is posted on the NCARPO website along with this summary sheet)

Purpose of a TAMP: Required under MAP-21 legislation and is a tool to help make better decisions for those who are impacted by performance measures.

Elements of the TAMP include:

- Asset inventory and conditions
- Asset management objectives and measures
- Performance gap assessment
- Lifecycle costs and consideration
- Risk management analysis
- Financial plan
- Investment strategies
- Asset management process enhancements

- **July 23rd, 2015**-RPO Representative, Ann Stroobant-The meeting concentrated on the development of the risk register piece of the TAMP. Elements that were risks in the NCDOT were identified as;
 - Funding level
 - Hurricanes and/or flooding
 - Rock slides
 - Population growth
 - Information technology
 - Pavement material shortages
 - Pavement material defects
 - (other items mentioned-global warming, new technology and ways of living)

(The risk register will be completed at the next meeting. An Excel spreadsheet of the risk register thus far is posted on the NCARPO website.)

- **August 27th, 2015**- RPO Representative, Ann Stroobant-The meeting finalized the risk register piece of the TAMP, with Climate Change added as an additional risk, raising the average temperatures and ground water table. **Chapter 5: Risk Analysis** is now complete.

Judith Corley-Lay presented a draft of **Chapter 2: Our Assets** for the TAMP. This chapter lists the NCDOT assets and conditions of those assets. The NCDOT has a large number of very diverse assets which need to be considered for this plan. Judy will revise the tables in the draft chapter after comments at the meeting. There was a discussion on how the data was collected and the collection methods involved. The chapter does not include very much on bridges, but this will change as the information is added. There is some discussion whether or not high light masts and overhead signs should be included in the inventory. The next meeting will be in October.