

Breakout A - Nixon:
Materials, Sustainability, Environment

[What do the numerical rankings signify; 1,2,3,4?]

Slide 1:

1. Public Information – very broad
2. Systems approach
 - Level of service
 - Contin [don't know what this means]
 - Operational practices
 - Tools
 - Cost / Benefit
 - Severity
 - Measures

Slide 2:

3. Application rates
 - Study of variable application rates in use today
 - Accountability
 - Operational implementation issues
 - Equipment implications
 - Can you empty salt easily?

Slide 3:

- Recipe book (4)
- Stories of success & failure
 - A coffee table book
 - Tales of change

Slide 4:

- Science of enhancement... (3)
- The whole level of service issue (2)
- Complexities
 - 18 hour roads
 - Politics (again)
 - Link level of service to cost and environmental impact

Slide 5:

- Use of MDSS (2)
- Politics (1)
- Science of salt (3)
- Non-chlorides issue (3)
- Traffic impacts on material application rates (3)
- Role of liquids to reduce material usage (3)

Slide 6:

Social media to support:

Level of service (1)

- Public education and information

“We’ve come a long way baby” (4)

- Historical sense

Public outreach (1)

Slide 7:

Weather responsive traffic management (2)

Budget contingency (2)

Public information materials (1)

Cross agency lines and still being consistent (national standards) (2)

Scan / syntheses on benefits of public information for winter maintenance (1)

Socioeconomic model for winter service (2)

Slide 8:

Storm severity index (2)

Dilution issues (3)

Break the bond, not melt the snow (3)

Corrosion issues (3)

We know best management practices – why aren’t we doing them? (2)

Systems approach (2)

Public need (1) [I need a little context for this one; what is the public need or addressing the public need?]

Slide 9:

Level of service goes up, not down (2) [Is this the public expectation or common practice?]

Bike lanes / multimodal (2)

Guidelines thrown out (2) [need some context for this one]

Facilities upgrade (2) [why is this necessary?]

Continuity between agencies, boundary issues (2)

Slide 10:

Speed (traffic) as a metric (2)

In-cab and to-public road condition information (2)

Salt management issues (3)

Consistency, public expectations, and prudent use of materials (2)

Salt – how long can you go? (3) [until the next application?]

- Sensors
- Training
- Communication

Slide 11:

Good pavement forecasts are a critical input (2)

“Just stay home” message (1)

- Change the culture
- Education

Resilience needs to be in the mix (2)

Liquid benefits (3)

Nelson close out notes:

There are 4 areas-

Information tracks

- Holistic picture of information flow and tracking
- Detailed discussion of communication pathways

Systems approach-

- Typical journey for motorists crosses different levels of roads with different levels of service.
- This pushes out the benefits more

Application rates-

- Recommendations and accountability of implementation issues

Recipe book-

- Stories of success and failure
- Office table book, 5 minute video's, and PowerPoint presentations ->tails of change