In your packets...

- Performance-Based Practical Design (PBPD) guidance document
- Context zones technical memorandum
- Facility Design Guide (FDG) project charter
PBPD policy and guidance document
Design guidance document:

PART I:  DEFINITIONS AND PROCESS

PART II:  DESIGN CONTROLS AND ELEMENTS
Design guidance document:

PART I:  DEFINITIONS AND PROCESS

PART II: DESIGN CONTROLS AND ELEMENTS
PBPD guidance document

Discussion
• Particularly as it relates to performance-based design
• Citations

Guidance and Criteria
• Bulleted, bite sized

Design Standards / Administrative Control
• i.e. standards and design exceptions
Tone and orientation

Practical design:

“The road building industry must do business in a more financially sustainable, results oriented, and context sensitive way.”

“Every project that does not incorporate [practical design] principles steals from concurrent needs elsewhere on the system as well as from other needs and projects in the future.”
Performance-based design:

“...a design approach relying on engineering judgment and predictive data such as the HSM is generally superior to an exclusively standards-based approach. Although the standard dimension represents a sound initial point for consideration for projects on new alignment, designers should consider a range of options above and/or below that value.”
PBPD guidance document

Tone and orientation

Multimodal design:

“These principles are integrated fully in this document, symbolizing the intended full integration of them in our processes and final products.”
Land-use context types technical memorandum
## Land-use context types technical memorandum

<table>
<thead>
<tr>
<th>Context</th>
<th>Rural</th>
<th>Rural Town</th>
<th>Suburban</th>
<th>Urban</th>
<th>Urban Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway</td>
<td>Rural Arterial</td>
<td>DRIVER</td>
<td>BICYCLIST</td>
<td>PEDESTRIAN</td>
<td></td>
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<tr>
<td>Minor Arterial</td>
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<td>Collector</td>
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<td>Local</td>
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</tbody>
</table>
Areas of land with a unique combination of characteristics

- Based on observations of places and activities
- “Natural” based on Florida DOT zones
- “Rural Crossroad”: characteristic of many small, unincorporated communities
- “Industrial-Warehouse-Port” can be found in various settings

- Natural
- Rural
- Rural Crossroad
- Industrial - Warehouse - Port

- Suburban Commercial
- Suburban Residential
- Urban Commercial
- Urban Residential
- Urban Core
Land-use context types technical memorandum

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*Industrial-Warehouse-Port*
Using the MnDOT context classifications

Will eventually become an organizing basis in the new design manual. In the meantime, for starters...

- Become familiar with them
- Generally use them to help you think about your projects
  - Identify their characteristics on the ground
  - Segment plans and projects by context zone
  - Make design decisions in light of various aspects of the respective contexts
At a high level...

- Multimodal and performance based
- “Full integration” of non-motorized modes
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- Graphically oriented
  - Where possible/appropriate, graphics leading the presentation of material
  - Use of 3D projections
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Questions/discussion...

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