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Two Important Rules

- Collect only the data you need!
- $_{\epsilon}$ Collect the data only when you need it!



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Additional Data Elements

- Drainage information
- e Geographical/environmental classification
- Proposed work / work-in-progress
- Other information





Drainage Inventory Data

- e Drains & roadside ditches
 - Depth
 - Width
- Drainage structures
 - Culverts
 - Curb & Gutter
 - Drainage inlets



4

Defining Sections

- The length or size of sections will determine volume of data to be collected
- Large sections
- Small sections
- Section requirements

Homogeneous Sections
Change in pavement type
Change in pavement structure
Change in traffic
Boundary between previous construction
Change in subgrade
Geographical of political boundaries



Section Identification Purpose Requirements Methods



















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Ground Penetrating Radar

NCHRP Synthesis 255

 <u>Concrete thickness determination</u>: depth constraints and accuracy are not yet well defined. This is because portland cement concrete attenuates GPR signals more than asphalt, PCC conductivity changes as the cement hydrates, slabs that contain steel make interpretation more difficult











