National Bridge Inspection Program
National Bridge Inspection Program

- Silver Bridge located in Point Pleasant, West Virginia
- Collapsed December 15th, 1967
- FHWA established the National Bridge Inspection Program (NBIP) to ensure the SAFETY of public bridges
National Bridge Inspection Program cont’d

- Code of Federal Regulations (CFR)
  - Qualifications of Personnel
  - Inspection Frequency
  - Inspection Procedures
  - Inventory

<table>
<thead>
<tr>
<th>Inspection Type</th>
<th>Inspection Interval</th>
</tr>
</thead>
</table>
| Initial         | Initial inspection upon completion of a:  
|                 | 1. New Structure or  
|                 | 2. Major Structure Rehabilitation |
## Size Requirements for Inspection

<table>
<thead>
<tr>
<th>System</th>
<th>Structure Type</th>
<th>Inspection Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Highway</td>
<td>BRIDGES</td>
<td>All Bridges</td>
</tr>
<tr>
<td></td>
<td>REINFORCED BOX CULVERT</td>
<td>All Boxes</td>
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<tr>
<td></td>
<td>MULTIPLE PIPE</td>
<td>Total Span Length &gt; 20’</td>
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<tr>
<td></td>
<td>METAL PIPE CULVERTS</td>
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<tr>
<td>LPA Owned</td>
<td>BRIDGES</td>
<td>Total Span Length &gt; 20’</td>
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- Ancillary Structures:
  - High Mast Lights
  - Sign Trusses
  - Cantilever Signs
  - Bridge Mounted Signs
  - Signal Standards
  - Light Standards
Reoccurring Issue on the Deck

Floor Beam Connection Missing Bolts
Inspection Requirements

- Record NBI Coding
- Record Element
- Record Element Defects
- Take Structure and Defect Photos
- Critical Findings
- Properly Posted
- Maintenance Recommendations
- Record Channel Cross Sections
QC/QA Program

- 1 of the 23 Metrics
- QC/QA Program addresses:
  - Organization and Staffing
  - Review of Field Inspections
  - Review of Bridge Record Keeping