

# PRELIMINARY BRIDGE PLAN REVIEW CHECK LIST

BRIDGE # \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DATE PRELIMINARY PLAN REC'D. \_\_\_\_\_ DATE PRELIMINARY PLAN RET'D. \_\_\_\_\_  
 ROUTE. \_\_\_\_\_ CITY/COUNTY. \_\_\_\_\_ CONSULTANT \_\_\_\_\_  
 NO. OF SHEETS IN PLAN \_\_\_\_\_ BRIDGE STRUCTURE INFO: \_\_\_\_\_  
 PROJECT # \_\_\_\_\_ ESTIMATED REVIEW TIME. \_\_\_\_\_ ACTUAL TOTAL REVIEW TIME \_\_\_\_\_

CHECK AREAS WITH  (Refer to Bridge Design Manual and priority guidelines for type of review or check)

July 30, 2003

GENERAL PLAN AND ELEVATION	BRIDGE LAYOUT	BRIDGE SURVEY
<p><b>Plan:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> North arrow, Stations and elevations on working line, Label Centerline Roadway, Horizontal clearances</li> <li><input type="checkbox"/> Bridge width curb to curb, Span arrangements, Skew angle, Out to out of deck, Flow direction, Verify layout data with PDR</li> <li><input type="checkbox"/> Working point locations, Floor drains, Substructure identification,</li> <li><input type="checkbox"/> B.M. disk and Name plate locations</li> </ul> <p><b>Section:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Structure depth, Beam spacing, Bridge width curb to curb, Out to out deck width, Deck cross slopes, Railing style</li> </ul>	<p><b>Layout showing working points:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> North arrow, Control point, label centerline roadway, working point locations, label substructure units, identify gutterlines, Skew angle</li> </ul> <p><b>Abutment corner details:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Typical wingwall configuration at abutment corners, Working point locations</li> <li><input type="checkbox"/> Railing type, Dimension from gutterline to edge of deck</li> <li><input type="checkbox"/> Dimension from centerline bearing abutment to end of bridge, Dimension from centerline bearing abutment to front face of abutment</li> </ul> <p><b>Working point table:</b></p>	<p><b>Contracted Profile:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Vertical curves, Approximate channel bottom, Prop. Br. #, Exist Br. #, Design flood elevation, Proposed/Existing Rdwy. Profiles</li> </ul> <p><b>Plat:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Utility information, North arrow, Exist bridge. data, Plan of prop. Bridge, Skew of bridge,</li> <li><input type="checkbox"/> Stream path, Flow direction</li> <li><input type="checkbox"/> Existing/Prop. R/W lines, Label centerline of roadway, Overhead lines, Utilities, North arrow</li> </ul> <p><b>Typical Sections:</b></p>

<b>Elevation:</b>
<input type="checkbox"/> Substructure type and fixity, Label substructure units, Span numbers, Pile type
<input type="checkbox"/> Proposed profile line, Low member elevation, vertical clearances, Abutment slopes, Berm width
<input type="checkbox"/> Riprap size, Channel width, Channel elevation, Design flood elevation
<b>Design Data Block:</b>
<input type="checkbox"/> Design specifications and method, Truck loading, Design stresses, Design speed, Design rating, A.D.T., Deck area: out to out width X out to out length, Bridge ID
<b>Title Block:</b>
<input type="checkbox"/> Bridge number, Bridge location description- SEC./TWP./RANGE, City/Township/County names, SAP/SP #, Signature line for State Bridge Engineer
<b>Other:</b>
<input type="checkbox"/> Pay items and Pay item numbers, Non-participating items
<input type="checkbox"/> Construction notes, Bench mark data, List of sheets, Certification/Signature block for designer and owner

<input type="checkbox"/> Table for dimensions between working points
<input type="checkbox"/> Table of deck elevations at working points
<b>Other:</b>
<input type="checkbox"/> Certification block for designer
<input type="checkbox"/> Title block showing bridge number, SAP/SP #

<input type="checkbox"/> X-section up/down stream/centerline bridge
<input type="checkbox"/> X-section existing/proposed roadway
<input type="checkbox"/> Proposed rdwy. surface, Shoulder width, Lane width, Recovery area
<b>Hydraulics:</b>
<input type="checkbox"/> Engineer's observation at bridge site,
<input type="checkbox"/> Engineer's proposed structure recommendations Engineer's hydraulic recommendation, Pier scour elevation, Bench mark info. , Bridge survey location information
<b>Survey plan/profile:</b>
<input type="checkbox"/> Test pile locations, Limits/thickness of riprap, R/W lines, Stationing of substructure units, Excavation/fill notes, North arrow, Skew angle
<input type="checkbox"/> Test pile size and length, rdwy profile info.
<input type="checkbox"/> Riprap size, Channel width, Channel elevation, Design flood elevation, Boring info.