

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

Elevation:
<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
Design Data Block:
<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
Title Block:
<input type="checkbox"/> Bridge number, Bridge location description- SEC./TWP./RANGE, City/Township/County names, SAP/SP #, Signature line for State Bridge Engineer
Other:
<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
Other:
<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
Hydraulics:
<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
Survey plan/profile:
<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.