

***** English -- Hydraulic Preliminary Layout Data *****

***** For Submittal to Cadd *****

Date Submitted to Cadd: _____ Initials: ___ Target Date for Completion: _____ Date Returned from Cadd: _____ Initials: ___

Project Title: _____ over _____, _____ County

Project #: _____ P.E. #: _____ Bridge I. D. #: _____ Bridge Length: _____ ft Begin Bridge Sta.: _____ (±) End Bridge Sta.: _____ (±) _____ Berm @ Abut. #1 _____ Berm @ Abut. #2 Low Girder El. _____ ft @ Abut. # _____ Rip Rap to <input type="checkbox"/> El. _____ ft <input type="checkbox"/> edge of shoulder	Hydraulic Designer: _____ (JKZ) Supervisor: _____ (KRE) Roadway Width: _____ ft Superstructure Depth: _____ ft <small>Finish Grade El. - Low Cord El.</small> Subgrade Slope: <u>2:1</u> Pier Width: _____ ft ADT (_____ yr.) _____ Design Speed: _____ mph Datum El. _____ ft
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Sub Structure Skew Angle: _____° To CL, PL CL, or Tan. to Sta. _____

- _____ equal beam lengths or span lengths from Begin Bridge Sta. _____
- See attached sketch for span arrangement.
- Scale of Drawing _____
- Ordinary High Water El. _____ ft
- 100 year Bridge Backwater El. _____ ft
- _____ year Bridge Backwater El. _____ ft (if less than overtopping).
- Estimated design (_____ yr.) scour El. _____ ft
- Gravel filter blanket if required (pay item # 709-12.06).
- Insert Haul Road cross-section.

Existing Groundline provided by: Bridge Grid (** MOST DESIRABLE**),
 X, Y Coordinates, Profile Sheet.

Hydraulic Data

Drainage Area ----- _____ mi²
 Design Discharge (_____ yr) ----- _____ cfs
 Total Design Discharge----- _____ cfs
 Water area provided below El. _____ ----- _____ ft²
 _____ yr Velocity ----- _____ fps
 _____ yr Bridge Backwater ----- _____ ft @ El. _____ ft
 Roadway Overtopping Elevation ----- _____ ft
 100 year Discharge _____ cfs @ El. _____ ft
 _____ year Discharge _____ cfs @ El. _____ ft
 For overflow data see attached.

Machined Rip-Rap shall be class “_____” in accordance with Section 709 of the Standard Specifications and shall be paid for under item #: >>

	<u>Rip- Rap Item # s</u>	
<input type="checkbox"/> A-1	709-05.06	1.50 ft tk.
<input type="checkbox"/> B	709-05.08	2.50 ft tk.
<input type="checkbox"/> C	709-05.09	3.50 ft tk.
<input type="checkbox"/> 3” to 6” Stone (See RD-SA-1)	709-05.04	8” tk.
<input type="checkbox"/> Hand Placed Rubble-Stone	709-07	_____ ft tk.

