

Documentation Project Check List

Check Appropriate Items

Engineer _____

Project _____

City/County _____

Description _____

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REFERENCE DATA

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Maps:

USGS Quad Scale Date
USGS Other
Local Zoning Maps
Flood Hazard Delineation (Quad.)
Flood Plain Delineation (HUD)
Local Land Use
Soils Maps
Geologic Maps
Aerial Photos Scale Date

Studies By External Agencies:

FEMA Flood Insurance Studies
SCS Watershed Studies
USGS Gages & Studies
Interim Flood Plain Studies
Water Resource Data
Regional Planning Data
Forestry Service
Utility Company Plans

Studies By Internal Sources:

Hydraulics Section Records
Flood Records (High Water, Newspaper)

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HYDROLOGY

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Technical Resources:

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HYDRAULIC DESIGN

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Calibration Of High Water Data:

Discharge and Frequency of H.W.el.
Influences Responsible for H.W.el.
Analyze Hydraulic Performance of Existing
Facility for 100 Yr.
Analyze Hydraulic Performance of Prop. Facility
for 100 Yr.

Design Appurtenances:

Dissipators
Rip Rap
Erosion & Sediment Control

Technical Aids:

Part IV, *Indiana Design Manual*
INDOT & FHWA Directives
Technical Library

Computer Programs:

WSPRO, HY8, HYDRAIN
FESWMS-2DH, HEC-RAS, HEC-2

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HYDROLOGIC-HYDRAULIC REPORTS

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Data Reports:

Part IV, *Indiana Design Manual*

INDOT Directives

Technical Library

Discharge Calculations:

Drainage Areas

Gaging Data - Regional Analysis

Regression Equations (if no other method available)

Area-Discharge Coordinated Curves

Log-Pearson Type III Gage Rating (B 17B)

Computer Programs:

HYDRO, SCS (TR-20), HEC 1

High Water Elevations:

INDOT Survey

External Sources

Personal Reconnaissance

Flood History:

External Sources

Personal Reconnaissance

Maintenance Records

Photographs

IDNR Historic Flood Profiles

INDOT Data

Environmental Reports

Reconnaissance Report

Hydraulic Recommendations from Engineer's Report

DOCUMENTATION PROJECT CHECK LIST

Figure 28-5A