

- ☐ J. Check Length of Project
- ☐ 1. Show Length(s) in Thousandths (Three Decimal Places)
- ☐ 2. Show mileage for each mainline survey (side roads, connectors, ramps, detours, etc.).
- ☐ 3. Show total mileage if multiple roads/lines.
- ☐ 4. Check for Exceptions for Roadway
- ☐ 5. Show equalities in stationing:
 - ☐ a. Agrees with Plans
- ☐ 6. Check for Bridge/Structures Over 20' in Length.
 - ☐ a. Included in plans
 - ☐ b. Note: "Bridge plans bound under separate cover".
- ☐ K. Group Coordinator – Initials and Date
- ☐ L. Design Group – Initials and Date
- ☐ M. Standard Drawing & Specification Note – Latest Edition
- ☐ N. Design Group No./Group Coordinator Initials & Initials of Preparer
- ☐ O. Check for correct Seal on Title Sheet
 - ☐ 1. Check for Randall Young's Seal.
- ☐ P. Correct design reference label (IB 2003-8)
- ☐ Q. Correct Hydraulic Design Reference label (IB 2009-3)

III. MOVING ITEMS and REMOVAL & DISPOSAL ITEMS

- ☐ A. Not Required per Project Manager
- ☐ B. Included
 - ☐ 1. Location
 - ☐ 2. Description
 - ☐ 3. Owner
 - ☐ 4. Work To Be Done

IV. DESIGN EXCEPTIONS

- ☐ A. Final Pre-Construction Report Items
 - ☐ 1. Design Speed (HDM 10.1(4))
 - ☐ 2. Horizontal Alignment (HDM CHP. 11)
 - ☐ 3. Vertical Alignment (HDM CHP. 12)
 - ☐ 4. Vertical Clearance (HDM 19.3.2)
 - ☐ 5. Grade (HDM CHP. 12)
 - ☐ 6. Bridge width (HDM 13.5.1)
 - ☐ 7. Superelevation (HDM CHP. 11)
 - ☐ 8. Cross Slope (HDM 13.2.3)
 - ☐ 9. Lane width (HDM 13.2.2)
 - ☐ 10. Shoulder width (HDM 13.2.6)
 - ☐ 11. Stopping sight distance (HDM 10.1.3)
 - ☐ 12. Structural Capacity of Bridges (HDM 19-22)
 - ☐ 13. Horizontal clearance (HDM 11.2.7)
- ☐ B. Copy of "Request for Approval of Design Exceptions" (HDM 9.2A)

V. TYPICAL SECTION(S)

- ☐ A. Pavement design
 - ☐ 1. Primary – approved by Pavement Design Engineer within the last three years (HDM 3.1.15 & IB 2001-8)
 - ☐ 2. Secondary check against Design Plans Field Review Recommendations.
 - ☐ 3. Widths and Thickness/Rates of Materials
 - ☐ a. Agrees with Plans and x-sections
 - ☐ 4. Pavement Legend
 - ☐ 5. Road Group Number, if applicable (IB-2000-3)
 - ☐ 6. Asphalt Materials Used Comply With Guidelines for Hot Mix Asphalt Selection (Latest Version)
 - ☐ 7. Graded Aggregate Bases Shown – not be used in areas with 6' or less width (Requires note on typical section).
- ☐ B. "NTS" If Not To Scale
- ☐ C. Point of Grade Indicated
- ☐ D. Design Speed Block

- ☐ 1. Completed
- ☐ 2. Lowest Speed Noted For Group 1 Roads (No Exceptions To Be Noted)
- ☐ E. Ditch note allowing variable ditch where applicable
- ☐ F. Other Notes/Details
 - ☐ 1. Re: Applicable Standard Drawings
 - ☐ 2. Re: Guardrail (Extra 3.5')
 - ☐ 3. Re: Curb & Gutter/Sidewalk
 - ☐ 4. Necessary Detail Drawings
- ☐ G. Lane Width
 - ☐ 1. Agrees with Plans
- ☐ H. Minimum 1.0' Depth of Ditch (No Documentation)

VI. RIGHT OF WAY DATA SHEET

- ☐ A. Tract Numbers
 - ☐ 1. Agree with Property Strip Map
 - ☐ 2. Agree with Plans
- ☐ B. Owner(s)
- ☐ C. Tax Map Reference
- ☐ D. Tract Total
 - ☐ 1. Acres or square feet per Right of Way Instruments
- ☐ E. Obtain in square feet and acres
- ☐ F. Remain in Acres
 - ☐ 1. If equal to or less than 0.25 acres show remain in square feet
- ☐ G. Permissions Noted
 - ☐ 1. Outfall Ditches
 - ☐ 2. Slope
 - ☐ 3. Drainage Structures
 - ☐ 4. Erosion Control
 - ☐ 5. Entrance

VII. PROPERTY STRIP MAP

- ☐ A. Tracts Numbered (HDM 34.2.5.2)
- ☐ B. Clearly Note Present and New Right of Way
 - ☐ 1. Agrees with Plans

VIII. REFERENCE DATA SHEETS

- ☐ A. Plan Data
 - ☐ 1. Control Points
 - ☐ 2. Relocation Control Points (IB 97-10)
 - ☐ 3. Reference Points
 - ☐ 4. Curve Data
 - ☐ a. Superelevation Noted (IB 2003-11)
 - ☐ 5. Benchmarks
 - ☐ a. Description
 - ☐ b. Elevation
 - ☐ c. Datum: Assumed, NAVD-88, Or NGVD-29 (IB 96-3)
 - ☐ 6. Curb Grade Profile Data
- ☐ B. Plan Sheet Layout Diagram
 - ☐ 1. Agrees with Plans

IX. FIRST PLAN SHEET

- ☐ A. Right of Way Notes (IB 97-8)
- ☐ B. Utility Notes (PPG 4-2)
- ☐ C. All Items in Section XII Below

X.ALL PLAN SHEETS

- ☐ A. North Arrow
 - ☐ 1. Bearing(s) on all Centerline Tangents
 - ☐ B. R/W Data
 - ☐ 1. Show Property Lines
 - ☐ 2. Tracts numbered
 - ☐ 3. Give Pluses for Shifts and at Beginning and End of Tapers for New R/W.
 - ☐ 4. Label R/W at Beginning and End of each Plan Sheet.
 - ☐ 5. Label R/W at Breaks/Shifts for New R/W.
 - ☐ 6. Label Triangle Areas (PPG 12-7)
 - ☐ 7. Estimated Excavation
 - ☐ a. Entrances
 - ☐ 1. Beyond Right of Way Limits
 - ☐ 2. Relocated, New Construction/Alignment (IB 97-10)
 - ☐ 3. Estimated Excavation
 - ☐ b. Pipe/Drainage Structures Beyond Right of Way Limits
- ☐ C. Show Travelway Widths
 - ☐ 1. Beginning & End of Each Street
 - ☐ 2. Beginning and End of Tapers
 - ☐ a. Give Pluses at Beginning and End
 - ☐ 3. Radii at Intersections per Face of Gutter/Edge of Pavement
 - ☐ 4. Medians Labeled per Standard Drawing No. 100-8
- ☐ D. Construction Lines Plotted and labeled (cut/fill)
 - ☐ 1. N.P.D.E.S. Lines (IB 2002-7)
- ☐ E. New Guardrail Plotted (Check Roadside Design Guide-2002)-use only after all other options are considered.
- ☐ F. Relocation Notes (IB 97-10)
- ☐ G. Plotted For Readability at 50% reduction
- ☐ H. Label Control of Access
- ☐ I. Special Notes
- ☐ J. Drainage – Pipe and Structures
 - ☐ 1. Check against Design Plans Field Review Recommendations/Hydrology.
 - ☐ 2. Adequate Cross line Lengths
 - ☐ 3. Location of Catch Basins
 - ☐ a. Agrees with grades
 - ☐ b. Locations (Low Points and Spacing)
 - ☐ 4. Extra depth of box (include additional pay items if needed; drainage base, riser, etc. per Std. Drw. 719-21)
 - ☐ 5. Structures (ie. Culvert)
 - ☐ a. Agrees with Culvert Details (Bridge Department).
 - ☐ 6. Drainage information provided by Hydraulic Section (Including invert elevation for storm sewer and cross line pipe).
 - ☐ 7. Check Profile for cross line pipe 48" or greater (Hydrology data)
 - ☐ 8. Length of pipe plotted correctly.
- ☐ K. Symbolology (Per Standard Drawing No. 100-8)
- ☐ L. Design
 - ☐ 1. Turning Radii meets design (HDM 15.3.2.2)
 - ☐ 2. Sight Distances (Stopping)
 - ☐ 3. Lane Alignment
- ☐ M. Right of Way Note(s) for Present R/W
 - ☐ 1. File/Docket/Project Number/Date
- ☐ N. Alignment Control Note (IB 97-11)

XI.PROFILE SHEETS

- ☐ A. Grade Line
 - ☐ 1. Vertical Curves
 - ☐ a. PI Station and elevation
 - ☐ b. Lengths
 - ☐ c. Sight Distance
 - ☐ 2. Equalities in stationing plotted
- ☐ B. Special Ditch Notes if over 300'
- ☐ C. Proposed Outfall Ditch Grades
- ☐ D. Elevations
 - ☐ 1. V.P.C. s
 - ☐ 2. V.P.T. s
 - ☐ 3. Percent of Grade Shown
 - ☐ a. Check for Minimum or Maximum (HDM 12.3.1)
 - ☐ 4. Type of Gradeline Noted (Finished, Subgrade)
 - ☐ 5. Agrees with X-Sections
- ☐ E. Vertical Clearances (Bridges, Overpasses, Trees etc.)
 - ☐ 1. Structure Stations
 - ☐ 2. Toe of fill
- ☐ F. Earthwork
 - ☐ 1. Notes Agree with Excavation/Embankment on Cross-Sections
 - ☐ 2. Balance Points
 - ☐ 3. Overhaul
 - ☐ a. 3,000ft Freehaul – Roadway Only
 - ☐ b. Include calculations in quantity folder.
- ☐ G. Curb grades included in plans.
 - ☐ 1. Agree with centerline grades when parallel.
 - ☐ 2. Agree with top of curb elevations on cross sections.

XII.EROSION CONTROL PLANS

- ☐ A. a Need Erosion Control Data sheet if N.P.D.E.S. is over 1.0 Acres

XIII.CROSS SECTIONS

- ☐ A. Show exceptions to project
- ☐ B. Equality in Stationing Notes
- ☐ C. Volumes agrees with earthwork
- ☐ D. S. E. Notes
 - ☐ 1. Beginning and Ending
 - ☐ 2. Maximum
 - ☐ 3. Not required for Curb and Gutter Sections
- ☐ E. Bridge Notes
 - ☐ 1. Begin and End of Bridge
 - ☐ 2. Toe of Fills