|  |
| --- |
| Index:  HDM – Highway Design Manual  IB – Instructional Bulletins  PPG – Plan Preparation Guide |

**DESIGN FIELD REVIEW PLANS**

**(30% COMPLETE)**

**QUALITY ASSURANCE REVIEW**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| County: |  | Road/Route: |  | PIN: |  |

|  |  |  |
| --- | --- | --- |
| Design Group No.: |  | Secondary/Primary (Circle One) |

|  |  |
| --- | --- |
| Consultant: |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reviewed By:** |  |  |  | - |  |  |  |
|  | **Initials** |  | **Begin Date** |  | **End Date** |  | **Let Date** |

1. **CHECK PPMS & PES DATA**

|  |  |
| --- | --- |
|  | a. Project Identification Number (PIN) |
|  | b. County |
|  | c. File Number |
|  | d. Project Number |
|  | e. Road/Route Number(s) |
|  | f. Mileage |

1. **TITLE SHEET**

|  |  |
| --- | --- |
|  | a. Correct Title Sheet cell for Project (DFR Title Sheet, C-Title Sheet, PRW-Title-Sheet, Title Sheet/Stacked) |
|  | b. Location/Description |
|  | 1. Check Map against Description. |
|  | 2. North Arrow |
|  | 3. Location Map Labels (…..County or Town/City of …..) |
|  | c. Traffic Data (most recent year) |
|  | d. Check Beginning and Ending Stations Notes on Location Map Agree with: |
|  | 1. Plans/Profiles |
|  | 2. Project area clearly highlighted on map. |

1. **DESIGN EXCEPTIONS**

|  |  |
| --- | --- |
|  | a. 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”, if applicable (HDM 9.2A) |

1. **PROFILE SHEETS**

|  |  |  |
| --- | --- | --- |
|  | A. Grade Line | |
|  | 1. Vertical Curves | |
|  | a. Pl 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. | |

1. **EROSION CONTROL PLANS**

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

1. **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 |