

1105.04 CONFORMITY WITH AND COORDINATION OF THE CONTRACT DOCUMENTS.

In case of a discrepancy between contents of the contract documents, the following items listed by descending order shall prevail (document hierarchy):

- 1. Addendum**
- 2. Proposal Form**
- 3. Special Provision**
- 4. Plans**
- 5. Standard Bridge Plans, Standard Culvert Plans,
and Standard Road Plans**
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- 10. Materials I.M.**
- 11. Notice to Bidders**

Project Plans

- A Plan Reading class is available through the web-based training at the following address:

http://www.iowadot.gov/training/web_based_training.html

Project Plans

- A project plan is made up of several pages, directions for where information can be found is in **Chapter 1F-1** of the **Iowa Department of Transportation Design Manual**. Here is the address of that manual:

<http://www.iowadot.gov/design/dmanual/manual.html?reload>

Project Plans

- Plan sheets are organized in a specific manner.
- This helps with:
 - The plan development process,
 - Allows designers and contractors to quickly locate information,
 - Helps to standardize which sheets are printed in color.

Project Plan Organization

- A Sheets – Title Sheets
 - Location Map Sheets (if needed)
 - Legend Sheet (if Black & White Plan Set)
 - Name of Project Designer(s)
 - Revision Sheets (if needed)

Project Plan Organization

- B Sheets
 - Typical Cross Sections & Details

Project Plan Organization

- C Sheets – Quantities & General Information
 - Project Description
 - Estimated Project Quantities
 - Estimate Reference Information
 - Standard Road Plans
 - Index of Tabulations
 - General Notes
 - Tabulations (beginning with tabulation of incidentals (if needed))

Project Plan Organization

- CD Sheets – Drainage Structure Quantities Tabulations
- CS Sheets – Geotechnical Quantities Tabulations
 - 103 Series of Tabulations

Project Plan Organization

- D Sheets – Mainline Plan and Profile Sheets
 - Plan & Profile Legend & Symbol Information Sheet
 - Mainline Plan & Profile Sheets
 - As-Built Plans may be used as plan sheets (if both proposed and as-built are included, place the as-builts at the end of the D sheets)

Project Plan Organization

- E Sheets – Side road Plan and Profile Sheets
- F Sheets – Detour Pavement, Temporary Pavement Sheets
 - Detour plan and profile sheets

Project Plan Organization

- G Sheets – Survey Sheets
 - Reference Ties & Bench Marks
 - Horizontal Control & Superelevation Tabulations for all Alignments

Project Plan Organization

- H Sheets – Right-of-Way Sheets
 - Mainline Right-of-Way Sheets
 - Side Road Right-of-Way Sheets

Project Plan Organization

- J Sheets – Traffic Control & Staging Sheets
 - Traffic Control Plan
 - Staging Notes
 - Tabulation of Special Events
 - Traffic Control & Staging Legend & Symbol Information Sheet
 - Staging & Traffic Control Sheets

Project Plan Organization

- K Sheets - Interchange Sheets
 - Interchange Layout Sheets
 - Ramp Plan & Profile Sheets

Project Plan Organization

- L Sheets – Geometric, Staking, & Jointing Sheets
 - Geometrics & Staking
 - Island Geometrics Tabulations
 - Edge Profiles
 - Jointing

Project Plan Organization

- M Sheets – Storm Sewer Sheets
 - Storm Sewer Legend & Symbol Information Sheet
 - Storm Sewer Tabulations
 - Storm Sewer Plan & Profile Sheets

Project Plan Organization

- MSA Sheets – Sanitary Sewer Sheets
 - Sanitary sewer legend and symbol information sheet
 - Sanitary sewer tabulations
 - Sanitary sewer plan and profile sheets
- WMW Sheets – Water Main Sheets
 - Water main legend and symbol information sheet
 - Water main tabulations
 - Water main plan and profile sheets

Project Plan Organization

- MIT Sheets – Wetland Sheets
- N Sheets – Traffic Signal Sheets
- P Sheets – Lighting Layout Sheets

Project Plan Organization

- Q Sheets – Soils Sheets
 - Soils Legend & Symbol Information Sheet
 - Soils Plan & Profile Sheets
 - Soils Detail Sheets
- QR Sheets – Soils Borrow Sheets

Project Plan Organization

- RC Sheets – Sediment Control Quantities Tabulations
 - Pollution Prevention Plan (PP)
 - Erosion Control Tabulations

Project Plan Organization

- RR Sheets – Erosion Control Plan Sheets
 - Erosion control legend and symbol information sheet
 - Drainage basin plan sheets
 - Erosion control device placement plan sheets
- RU Sheets – Erosion Control Detail Sheets

Project Plan Organization

- S Sheets – Sidewalk Sheets
 - Sidewalk Legend & Symbol Information Sheet
 - Sidewalk Plan Sheets
 - Sidewalk Tabulations
- SPS Sheets – Bridge Plan Soils Sheets

Project Plan Organization

- T Sheets – Earthwork Quantity Sheets
 - Legend
 - Tabulations
- U Sheets – 500 Series, Modified Standards & Detail Sheets

Project Plan Organization

- V Sheets –
 - Bridge & Culvert Situation Plans,
Retaining Wall Plans
 - Plan and profile sheets
 - Retaining wall notes
 - Other Bridge Design Details

Project Plan Organization

- W Sheets – Mainline Cross Sections
- X Sheets – Side Road Cross Sections
- Y Sheets – Ramp Cross Sections
- Z Sheets – Detour Cross Sections

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Standard Bridge, Culvert, and Road Plans

Standards are detailed drawings showing standardized design features, construction methods and approved materials for repetitive use on Interstate, Primary, and Secondary road construction.

Standard Road Plans

BA Barriers

EC Erosion Control

EW Earthwork

MI Miscellaneous Construction

PM Pavement Markings

PV Pavement

RF Drainage

Standard Road Plans

RK Bridge Approach Pavement

RM Signals and Lighting

RR Pavement Rehabilitation

RV Ramp and Median Crossover Geometrics

SI Signs

SW Sanitary and Storm Sewer

TC Traffic Control

WM Water Mains

Standard Road Plans

STANDARD ROAD PLANS

105-4

10-18-11

The following Standard Road Plans shall be considered applicable to construction work on this project.

Number	Date	Sheets	Title
DR-101	04-21-15	1	PIPE CULVERT (BEDDING AND BACKFILL)
DR-102	04-21-15	1	PIPE CULVERT (COVER AND CAMBER)
DR-103	04-21-15	1	PIPE CULVERT (INSTALLATION DETAILS)
DR-104	04-21-15	3	DEPTH OF COVER TABLES FOR CONCRETE PIPE AND CORRUGATED PIPE
DR-121	10-20-15	2	CONNECTED PIPE JOINTS
DR-201	04-21-15	1	CONCRETE APRONS
DR-601	10-20-15	1	REINFORCED CONCRETE PIPE CULVERT
EC-201	04-21-15	3	SILT FENCE
EC-204	04-21-15	3	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICES
EW-501	10-20-15	1	RURAL ENTRANCE
PM-110	04-16-13	3	LINE TYPES
PM-120	10-21-14	1	STOP LINES AND ISLANDS
PM-420	04-19-11	2	TWO-LANE ROADWAY WITH NO TURN LANES (ONE WAY STOP CONDITION)
PM-521	04-19-11	1	TWO-LANE ROADWAY WITH RIGHT TURN LANES
PV-10	04-19-11	1	RUMBLE STRIP PANEL FOR INTERSECTION APPROACH
PV-101	04-21-15	8	JOINTS
PV-301	04-19-11	2	SUPERELEVATION DETAILS TWO LANE ROADWAY
TC-252	10-20-15	3	ROUTES CLOSED TO TRAFFIC

What document that you use for inspection do you not see here?

Construction Manual

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