EXAMPLE SET OF PLANS REVISIONS

Plans original date January 9, 2009 - 48 sheets

Revision 1 - March 12, 2009 - sheet 29 of 48 - added note about SAR procedures for structures

Revision 2 - June 30, 2009 - sheet 1 of 48 - included CADD Roadway Drafting Reference Guidelines
  - sheet 3 of 48 - revised note to "Central Office in Springfield" instead of just "Springfield"
  - sheets 40 and 41 of 48 - information is same, replaced with new sheets from Bridge Office in Springfield

Revision 3 - November 30, 2009 - sheet 5 of 48 - added note for Radar Speed Trailers on Interstates
  - sheet 20 of 48 - revised notes to include Alternate Routes

Revision 4 - January 4, 2010 - sheet 12 of 49 - added block with tie point table instructions
  - sheet 13 of 49 - NEW SHEET - added as example for tie points

Revision 5 - March 30, 2010 - sheet 1 of 49 - revised IDOT web site instructions
  - sheet 44 of 49 - replaced sheet with example in English
  - sheet 45 of 49 - replaced sheet with new example sheet
  - REVISED TEXT SIZES AND ADDED NOTES to example sheets

Revision 6 - January 21, 2011 - sheet 41 of 49 - updated approach slab and traffic barrier terminal, replaced border
  - sheet 42 of 49 - replaced border

Revision 7 - December 2, 2011 - sheet 6 of 49 - updated Summary of Quantities to new B & E format.

Revision 8 - July 11, 2014 - sheet 3 of 49 - showed new location of data due to removal of ftp sites.
  - sheet 16 of 49 - Changed text to state that proper levels should be used.

Revision 9 - August 7, 2014 - sheet 1 of 49 - Updated IDOT web site information
  - sheet 3 of 49 - Updated IDOT web site information and JULIE web site information
  - sheet 5 of 49 - Updated IDOT web site information
  - sheet 26 of 49 - Updated IDOT web site information and corrected reference to Drainage Manual.

Revision 10 - April 1, 2017 - Update Text Styles with TrueType Font Text Styles
Note: Examples are shown for information only and may not agree with all current policies.
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS
FAP ROUTE 123 (US 456)
SECTION 78RS, BR-3
PROJECT
3R RESURFACING AND BRIDGE REPLACEMENT
ANYWHERE COUNTY

C-93-000-08

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

INDEX OF SHEETS
1. COVER SHEET
2. STANDARDS LIST & GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. - 6. TYPICAL SECTIONS
7. - 10. SCALE OF QUANTITIES
11. ALIGNMENT, TIES, AND BENCHMARKS
12. - 21. PLAN SHEETS
22. - 24. TIEING PLANS
25. EROSION CONTROL PLAN
26. - 40. STRUCTURE PLANS
41. - 45. DETAIL
46. - 55. CROSS SECTIONS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

LOCATION OF SECTION INDICATED THUS -

STEVENSON
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

POSITIONS:  DAVIDSON, SHARPE
UNIT CHIEF:  B. DUNCAN
PROJECT ENGINEER:  D. BROVIAK
DISTRICT 3 NO. (815) 434-6131

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION
RURAL MINOR ARTERIAL
2009 ADT = 1300
P.V.= 94.8%  S.U. = 4.2%  M.U. = 1.0%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: ____________________
DEPUTY DIRECTOR OF HIGHWAYS, DEPUTY ENGINEER
__________________
ENGINEER OF DESIGN AND ENVIRONMENT
__________________
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS
Sheet 2: This sheet is for Index of Sheets, Highway Standards, General Notes, and Commitments.

Index of Sheets
If not able to place on cover sheet, place on this sheet.

List of Highway Standards
If not able to place on cover sheet, place on this sheet.
List is to include only standards needed for this project.
Include the current revision number.
The Standard sheets will be inserted by the Central Office in Springfield prior to letting.
Standards can be found at the IDOT web site:
www.idot.illinois.gov

General Notes
Include all applicable general plan notes.
The list of the district's general notes are found at:
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Roadway Downloads and Guides
Roadway CADD Downloads and Guides
District Standards

Include the correct Applications Rate Table
Include all JULIE member utilities and type of utility within the project limits and IDOT
as a non-member if within project limits. If no utilities are present, list "NONE." Check
project report for list of utilities.
The JULIE web site is: http://www.illinois1call.com/index.html

District Signature Block
The signature block is located in the District Specific Standards site
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
CADD Resources
Roadway Downloads and Guides
Roadway CADD Downloads and Guides
District Standards

In the "District 3 CADD Standard Details" folder. For consultant projects,
replace "PREPARED BY" with "REVIEWED BY."

Commitments
Include all commitments.
Commitments made in Phase I are found in the project report.
Commitments made during Phase II will be provided by the district.
If there are no commitments, then list NONE with the date.

Place description of sheet here
Information is same as cover sheet

File Name
c:\pw_work\PWIDOT\VERDINEML\dms34852\verdine.dgn

User Name
==

Plot Scale
= 20.0000 ' / IN.

Plot Date
= Jan 09, 2009 - 09:17:02 AM

Date Designed
= -

Checked
= -

Drawn
= -

Revised
= -

Revised
=

Revised
=

Revised
=

F.A.
3 of 49
08/07/2014
HIGHWAY STANDARDS

GENERAL NOTES

The width of a sidewalk shown in the plans is the nominal width. Departures of the width of sidewalks will be permitted to deviations in the existing surface or base on which the sidewalk is placed.

The minimum width of all sidewalk turnouts, private exchanges, commercial exchanges, and street corners shall be based on the minimum width shown on the plans. The minimum width shown on the plans is based on the minimum width shown on the plans. The minimum width shown on the plans is based on the minimum width shown on the plans.

The base of the sidewalk should be constructed without all exchanges, side heads, and sidewalk turnouts. The sidewalk turnouts will be shown on the plans.

As noted on the plans, the minimum headroom shown shall be at the top of the sidewalk surfaces.

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For the Summary of Quantities

Show the appropriate quantity breakdowns based on the construction and safety work type, project location, funding sources, etc. Check the project report for any agreement items. Quantities must be separated at all urban/rural splits and county lines. Use existing Structure numbers and note proposed number.

Provide the correct pay item code number, description, and pay unit exactly as shown.

Fill out the total quantities column.

Round all quantities according to Chapter 64 of the BDE Manual.

Do not rotate the Summary of Quantities on the sheet, use additional sheets instead.

Double space pay items.

Indicate Specialty Items with a symbol such as an asterisk

NOT all items requiring a special provision are Specialty Items.

Specialty Items are items of work requiring specialized knowledge, skills, or equipment which are typically outside the general contractor’s expertise (e.g., electrical work, traffic signals or permanent pavement markings on a paving contract, blasting on a bridge contract, paving work on an electrical contract, etc.).

Verify that quantities agree with schedules

A list of pay items can be found at the IDOT web site

www.idot.illinois.gov

Doing Business

Procedures

Engineering, Architectural & Professional Services

Consultant Resources

Letting Specific Items

Coded Pay Items

and

www.idot.illinois.gov

Doing Business

Procedures

Engineering, Architectural & Professional Services

Consultant Resources

Roadway Downloads and Guides

Roadway CADD Downloads and Guides

Summary of Quantities Spreadsheets

NOTE:

An item followed by an asterisk does not always require a special provision. It may be covered by showing a dimension on a typical section, showing an area on a plan sheet, or by including a detail on the plans.

The following is a list of items that will be used during the plan review process. It contains District 3 preferences to be considered during the plan preparation process:

- Items for traffic control
- Items for traffic signing
- Temporary quantities
- Raised reflective pavement markers
- Need approval from district for rip rap or revetment mat
- Need approval from district for hydro mulch
- Use sod in urban areas rather than seeding
- Include supplemental watering for sod
- Do not specify pipe material without prior approval (requires an exception)
- Use elliptical RCCP instead of arch diameter
- Include a Construction Test Strip for each type of HMA with quantity over 3,000 tons
- Include Bridge Deck Grooving for proposed concrete decks
- Use HMA Surface Course on all side roads that are US and state routes
- Use Incidental HMA Surface for mailbox turnouts, entrances, and side roads less than 100' Permanent survey markers and/or land section markers
- Railroad protective liability insurance
- Need approval from district for reflective crack control
- Use Aggregate Base Course in tons
- Use Sub-base Granular Material, Type A in square yards
- Use Class SI Concrete Collar in each
- Use Temporary Sheet Piling in square feet or TSR System
- If earthwork quantities are small, measure by truck count
- Link incidental items to an appropriate pay item
- Use Short Term and Temporary Pavement Markings according to
- Section 703 of the Standard Specifications
- Work zone pavement marking removal for short term and temporary
- Replace Lime Modified Soils in urban areas with sub-base granular pay items
- Pay for culvert removals
- Saw and seal existing 4" expansion joints on resurfacing projects
- Provide service installation for lighting
- Include embankment for Type 1 (Special) guardrail terminals, side road radii, etc
- Corporation stops and curb stops for watermain work
- When proposed construction involves centerline work or other work where traffic will be utilizing the existing shoulder, Include shoulder repair quantities
- Changeable message boards on interstate projects and new signal locations (consult district)
- Radar Speed Trailers on interstate projects over one month duration
- For Traffic Standard 701411, each ramp is considered a separate "location" when calculating quantities

Place SUMMARY OF QUANTITIES here as description

Information is same as cover sheet
<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>ITEM</th>
<th>UNIT</th>
<th>TOTAL QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>20101010</td>
<td>TREE REMOVAL 16 TO 15 UNITS DIAMETER</td>
<td>UNIT</td>
<td>903</td>
</tr>
<tr>
<td>20101011</td>
<td>TREE REMOVAL greater than 15 UNITS DIAMETER</td>
<td>UNIT</td>
<td>500</td>
</tr>
<tr>
<td>20101700</td>
<td>SUPPLEMENTAL WATERING</td>
<td>UNIT</td>
<td>7</td>
</tr>
<tr>
<td>20210100</td>
<td>EARTH EXCAVATION</td>
<td>CU YD</td>
<td>21816</td>
</tr>
<tr>
<td>20212200</td>
<td>REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL</td>
<td>CU YD</td>
<td>3338</td>
</tr>
<tr>
<td>20400100</td>
<td>FURNISHED EXCAVATION</td>
<td>CU YD</td>
<td>3559</td>
</tr>
<tr>
<td>20700700</td>
<td>PORUS GRANULAR ENHANCEMENT</td>
<td>CU YD</td>
<td>354</td>
</tr>
<tr>
<td>20900150</td>
<td>TRENCH BACKFILL</td>
<td>CU YD</td>
<td>292</td>
</tr>
<tr>
<td>21001000</td>
<td>GEOTECHNICAL FABRIC FOR GROUND STABILIZATION</td>
<td>SQ YD</td>
<td>21811</td>
</tr>
<tr>
<td>21101505</td>
<td>TOPSOIL EXCAVATION AND PLACEMENT</td>
<td>CU YD</td>
<td>2558</td>
</tr>
<tr>
<td>25000200</td>
<td>SEEDING, CLASS 2</td>
<td>ACRE</td>
<td>2.2</td>
</tr>
<tr>
<td>25000210</td>
<td>SEEDING, CLASS 2A</td>
<td>ACRE</td>
<td>6.6</td>
</tr>
<tr>
<td>25000400</td>
<td>NITROGEN FERTILIZER NUTRIENT</td>
<td>POUND</td>
<td>822</td>
</tr>
<tr>
<td>25000500</td>
<td>PHOSPHORUS FERTILIZER NUTRIENT</td>
<td>POUND</td>
<td>822</td>
</tr>
</tbody>
</table>

**SPECIALTY ITEM**
Place mainline typical sections first, followed by other typical sections as they appear along the mainline. Alphabetize or number sequentially each typical section.

Note the title of the typical section and station locations directly below the typical section.
The station locations should be continuous through the project. If no work is proposed, show existing typical and no work.

Separate existing and proposed typical sections are only required when pavement is being replaced or when showing the proposed work on the existing typical is too cluttered.

Existing roadway information and/or old plans will be supplied by the district, also see project report.

Include the following on the typicals:
- horizontal dimensions rounded to nearest 0.1 ft
- vertical dimensions rounded to nearest 1/4 in for resurfacing
- profile grade line reference if different than the centerline
- types and depths of surface, base, and subbase courses
- side slopes expressed as a ratio of vertical to horizontal distances (To avoid confusion may include V:H such as 1V:4H)
- cross slopes expressed in percent on pavement and shoulders
- superelevations expressed in percent
- arrows showing direction of drainage for side slopes, cross slopes, and superelevation rates
- final striped width
- all applicable pay items

Show paved shoulders and delineators on 40-45 mph curves

Extend subbase past proposed curb and gutter 6"

For further guidance also see 64-2.06 and -2.07 of the BDE Manual and the pavement and shoulder highway standards

Include the approved pavement design with the structural design information (If only doing policy resurfacing, this is not necessary)

For projects with HMA, include a Mixtures Table (Information will be provided by district)
TYPICAL SECTION A
STA. 17+93 TO STA. 21+63

- 9" P.C.C. PAVEMENT
- 1" HMA SURFACE COURSE
- 3" LEVEL BINDER (MACHINE METHOD)

TYPICAL SECTION B
STA. 28+79 TO STA. 29+75

- LEVELING BINDER QUANTITY ADDED
- FROM STA. 28+79 TO STA. 29+75

TYPICAL SECTION C
STA. 25+45 TO STA. 26+45
BRIDGE OMISSION STA. 24+54 TO STA. 28+79

MIXTURES TABLE

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Max Binder for Base Course</th>
<th>Max Surface</th>
<th>Max Level Binder</th>
<th>Max Incidental Surface</th>
<th>Max Shredders</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC Grade</td>
<td>PC 64-22</td>
<td>PC 64-22</td>
<td>PC 64-22</td>
<td>PC 64-22</td>
<td>PC 58-22</td>
</tr>
<tr>
<td>PG Grade</td>
<td>PG 64-22</td>
<td>PG 64-22</td>
<td>PG 64-22</td>
<td>PG 64-22</td>
<td>PG 58-22</td>
</tr>
</tbody>
</table>

- FRICTION AGGREGATE
- SUPER BINDER

- DESIGN AIR Voids

- MIXTURE PROPORTION

- MIXTURE CORRELATION

- SATISFACTION OF THE ENGINEER

* MATERIAL SHALL BE COMPACTED TO 100% PERCENT OF THE MINIMUM THEORETICAL DENSITY, EXCEPT FOR MIXTURE B (BASE) AND THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING DENSITY AS SPECIFIED IN THE GDOT SPECIFICATION.

** WHEN MORE THAN 20 PERCENT RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.
HALF SECTION
SHOWING PROPOSED RESURFACING

PROPOSED TYPICAL SECTION
NORMAL CROWN AREAS

STA 100+00 TO STA 120+45
STA 245+90 TO STA 294+58
STA 147+60 TO STA 184+05
STA 100+00 TO STA 120+65

COURSE, MIX "E", N90
1" POLYMERIZED HMA SURFACE
PLUS ADDITIONAL BINDER WEDGE FOR SUPER ELEVATION CORRECTION

4" POLYMERIZED HMA BINDER COURSE

SHOULders
AGGREGATE
UNDERDRAINS
EXTEND 4" HMA SHOULDERS
1" HMA SHOULDERS
VARIABLE DEPTH HMA SHOULDERS

HMA SHOULDERS
1" MINIMUM

20' 10' 24' 8' 24' 10'
~ RDWY
~ I-57

MATCH S.E.

SEE TAPER DETAILS.

16' MINIMUM VERTICAL CLEARANCES SHALL BE MAINTAINED UNDER OVERHEAD STRUCTURES.

SEE STAGING TYPICALS FOR ADDITIONAL PAVING DETAILS.

AND SHOULDER WILL NOT BE GREATER THAN 8%.

THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT
SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%,
THE SHOULDER MAY NOT BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT
HMA SHOULDERS REQUIRED FOR STAGING
VARY DEPTH TO ALLOW FOR 4" MINIMUM
PAVED SHOULDER REMOVAL (SPECIAL)

EXCAVATION
FURNISHED
REQUIRED FOR STAGING
TO CONSTRUCT 4" HMA SHOULDERS
PAVED SHOULDER REMOVAL (SPECIAL)

MINIMUM HMA SHOULDER RESURFACING
VARY DEPTH TO ALLOW FOR 1"
PAVED SHOULDER REMOVAL (SPECIAL)

HMA SHOULDERS
1V :4 H

PROPOSED TYPICAL SECTION
SUPERELEVATION AREAS

STA 100+00 TO STA 120+45
STA 245+90 TO STA 294+58
STA 351+73 TO STA 500+00

EXIST CRPCC PAV'T

SEE SCHEDULES AND PLAN SHEETS FOR
NORMAL CROWN AREAS
PROPOSED TYPICAL SECTION
SHOWING PROPOSED RESURFACING
HALF SECTION
SHOWING PROPOSED REMOVAL

PROPOSED TYPICAL SECTION
HALF SECTION
SHOWING PROPOSED REMOVAL

PROPOSED TYPICAL SECTION
SUPPERELEVATION AREAS

STA 100+00 TO STA 120+45
STA 245+90 TO STA 294+58
STA 351+73 TO STA 500+00

EXIST CRPCC PAV'T

SEE SCHEDULES AND PLAN SHEETS FOR
TRANSITION LOCATIONS

TRANSITION LOCATIONS

SEE SCHEDULES AND PLAN SHEETS FOR
TRANSITION LOCATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

120757
CONTRACT NO. 66757
SHEET NO. 11 OF SHEETS SHOWN TO SCALE
100:0.0000 " : IN.

FILE NAME
C:\Users\rhond_fbcsh8u\Documents\IDOT Example Plans\example plans-from-EnvisionCAD.dgn

USER NAME
rhond_fbcsh8u
PLOT SCALE
100:0.0000 " : IN.
PLOT DATE
3/9/2017
DATE DESIGNED
DATE CHECKED
DRAWN
REVISED
REVISED
REVISED

0.120"
0.140"
0.240"

Rdwy_text120
Rdwy_title240
Rdwy_text120

(1)

(2)
Schedules of Quantities

Show all work items in schedules
Do NOT use the word “Contingent”
Check for agreement with the Summary of Quantities
Schedule for Sideroads and Entrances must have quantities broken out per individual location
Include Temporary Fence for protection of wetlands, hazardous waste areas, property owner commitment areas, or any other areas that the Contractor is prohibited from utilizing during construction.
For clarification, provide an index of schedules for large projects with multiple pages of schedules
Consider for long term projects (i.e. projects longer than one construction season)
Include quantities for maintenance of temporary erosion control
Include temporary seeding if the project will not be completed in one season, consider use of Temporary Mulch (Mulch Method II) for over winter break
Estimate the increase in patching quantities if the project will not be let in the same year as the plans were developed or if the project will require more than one construction season
Include temporary sidewalks
Include quantities for maintenance of temporary access
Do not include responsibility for maintenance of existing highway lighting
Include method of payment for drums, barricades, or barrier wall to be left in place and becoming the property of the state or another agency. Include method and location of delivery if required.
Include maintenance responsibilities during a winter shut down.

Following is a list of schedules the plans might contain:

<table>
<thead>
<tr>
<th>Description</th>
<th>Itemization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box Culverts</td>
<td>Rebar</td>
</tr>
<tr>
<td>Bridge Approach</td>
<td>Removal and Disposal of Unsuitable Materials</td>
</tr>
<tr>
<td>Building Removal</td>
<td>Right-of-way Markers</td>
</tr>
<tr>
<td>Cleaning Culverts</td>
<td>Riprap</td>
</tr>
<tr>
<td>Curb and Gutter</td>
<td>Rock Excavation</td>
</tr>
<tr>
<td>Deck Drain Extensions</td>
<td>Rumble Strips</td>
</tr>
<tr>
<td>Delineators</td>
<td>Sanitary Sewer</td>
</tr>
<tr>
<td>Detector Loops</td>
<td>Seeding and Sodding</td>
</tr>
<tr>
<td>Driveways</td>
<td>Sidewalk</td>
</tr>
<tr>
<td>Earthwork</td>
<td>Signs</td>
</tr>
<tr>
<td>Entrances and Side Roads</td>
<td>Slurry Sealing or Grouting</td>
</tr>
<tr>
<td>Exploration Trench and other Field Tile Items</td>
<td>Staging</td>
</tr>
<tr>
<td>Fence</td>
<td>Storm Sewer including Inlets and Manholes</td>
</tr>
<tr>
<td>Grading and Shaping Ditches</td>
<td>Structure Rehab</td>
</tr>
<tr>
<td>Guard Rail</td>
<td>Temporary Concrete Barrier</td>
</tr>
<tr>
<td>Hazardous Materials</td>
<td>Temporary Pavement</td>
</tr>
<tr>
<td>HMA</td>
<td>Temporary Pavement Marking</td>
</tr>
<tr>
<td>HMA Surface Removal or Milling</td>
<td>Temporary Ramps</td>
</tr>
<tr>
<td>Impact Attenuators</td>
<td>Topsoil</td>
</tr>
<tr>
<td>Landscaping</td>
<td>Traffic Signals</td>
</tr>
<tr>
<td>Lighting</td>
<td>Tree Removal</td>
</tr>
<tr>
<td>Lime Modified Soils</td>
<td>Trench Backfill</td>
</tr>
<tr>
<td>Median and Islands</td>
<td>Undrains</td>
</tr>
<tr>
<td>Patching</td>
<td>Water Main</td>
</tr>
<tr>
<td>Paved Ditch</td>
<td>Water Valves and/or Manhole Adjustment</td>
</tr>
</tbody>
</table>

On projects, where work is done in stages, separate quantities by each stage. Quantities that may need to be separated are temporary and/or proposed:
- earthwork
- pavement
- widening
- drainage items
- barricades and barrier walls
- pavement marking
- removal of pavement marking
- guardrail and impact attenuators
- geotextile retaining walls
- other miscellaneous items
<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Width</th>
<th>Exist Part Type</th>
<th>Inc MMA Surf Rev</th>
<th>1+q So Yo</th>
<th>Bit Matl</th>
<th>Pri Ct Gallon</th>
<th>Temp Ramp So Yo</th>
<th>STA</th>
<th>Size</th>
</tr>
</thead>
</table>

**ENTRANCES AND SIDEROADS**

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Width</th>
<th>Exist Part Type</th>
<th>Inc MMA Surf Rev</th>
<th>1+q So Yo</th>
<th>Bit Matl</th>
<th>Pri Ct Gallon</th>
<th>Temp Ramp So Yo</th>
<th>STA</th>
<th>Size</th>
</tr>
</thead>
</table>

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**
District 3 Alignment, Ties, and Benchmarks Sheet Requirements

1. Alignment. On all projects, a separate alignment sheet will be provided showing the existing and proposed horizontal alignment with the appropriate curve data, line bearings, centerline control points, and other pertinent information. The alignment drawing should be drawn to scale and include a north arrow.

2. Reference Ties. Reference ties will be required on every project. Figures illustrating the reference tie point locations may be simple or detailed schematics with the appropriate dimensions and tie points identified, including the station and offset and applicable control tie designation (e.g., POT, PI, PT, PC). Locating and referencing the centerline of survey will consist of establishing and referencing the control points of the centerline of surveys such as PC's, PT's and as many POT's as are necessary to provide a line of sight. Show reference ties having locations tied to the mainline first, by increasing station, followed by ties to other points in the order they appear along the mainline. Clearly identify the feature to which the ties are referenced (e.g., iron pin 18 in. (0.5 m) deep, corner of wall). Tie figures are generally not drawn to scale. If too congested with the alignment drawing, transfer the tie figure to an insert directly under the point involved. At least three reference ties less than 100' in length are required to each point. Note the tie distances to the nearest 0.01 ft. (0.5 mm). State Plane Coordinates shall be provided for all control points and centerline control points.

3. Benchmark Data. Benchmark tabulations should show the station, location, description, and elevation of each benchmark. Show mainline benchmarks first, followed by benchmarks to other facilities in the order they appear along the mainline. Clearly identify the road or line to which a group of benchmarks is referenced. Show elevations in feet to two decimal places (i.e., 0.01 ft.); show elevations in meters to three decimal places (i.e., 0.001 m). Provide a detailed description to locate the benchmark used for the level datum source. The description should include the benchmark location, elevation, number, and any other pertinent information. Benchmarks will be established along the project outside of construction limits not exceeding 1000 ft. (300 m) intervals horizontally and 20 ft. (6 m) vertically. A minimum of two benchmarks will be required regardless of the project size.

Also include layout information for all streets and sideroads.

Tie point locations should be listed in a table with the following instructions:
1) Engineer will re-establish monument (usually with in kind i.e. PK nail)
2) Engineer will re-establish monument and furnish tie sketches to District 3 Plats and Plans (usually paid for as Permanent Survey Marker)
3) Professional land surveyor shall re-establish monument, record new monument record and provide copy to District 3 Plats and Plans (usually paid for as Land Section Marker)

The table information will be provided by the District Land Acquisition department. Tie points for notes 1 and 2 will generally be for resurfacing projects. Tie points for note 3 will generally be for projects with major ROW purchases where existing topography is being destroyed.
### Tie Points and Locations

<table>
<thead>
<tr>
<th>Tie Point Location STA</th>
<th>Description</th>
<th>Existing Monument Type</th>
<th>Proposed Monument Type</th>
<th>Monument Record to Be Recorded</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL AT 45x22</td>
<td>NE Corner Sec 22, T25N R7E (Monument Record)</td>
<td>PSM</td>
<td>I</td>
<td>YES</td>
<td>3</td>
</tr>
<tr>
<td>IL AT 72x27</td>
<td>NW Corner Sec 26, T25N R7E (Monument Record)</td>
<td>PSM</td>
<td>I</td>
<td>YES</td>
<td>3</td>
</tr>
<tr>
<td>IL AT 30x41,06</td>
<td>SW Corner Sec 26, T25N R7E (Monument Record)</td>
<td>PSM</td>
<td>I</td>
<td>YES</td>
<td>3</td>
</tr>
<tr>
<td>IL AT 54x00</td>
<td>E-N-Corner Sec 34, T25N R7E (Monument Record)</td>
<td>PSM</td>
<td>I</td>
<td>YES</td>
<td>3</td>
</tr>
<tr>
<td>IL 123</td>
<td>45x00</td>
<td>POT</td>
<td>PK NAIL</td>
<td>PK NAIL</td>
<td>NO</td>
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<tr>
<td>IL 123</td>
<td>22x29</td>
<td>SW Corner Sec 27, T25N R7E (Monument Record)</td>
<td>3/8&quot; REBAR</td>
<td>I</td>
<td>YES</td>
</tr>
</tbody>
</table>

### Notes:

1. Engineer will re-establish monument.
2. Engineer will re-establish monument and furnish tie sketches to District 3 Plats & Plans.
3. Professional Land Surveyor shall re-establish monument, record new monument record, and provide copy to District 3 Plats & Plans.

PSM = Permanent Survey Marker

---

**Example Diagrams:**

- **Ties to NE Corner of Section 22, T25N R7E:** Replace with Land Section Marker STA 45x22
- **Ties to NW Corner of Section 26, T25N R7E:** Replace with Land Section Marker STA 1279+87.66, 8.4' East of IL 47 Centerline
- **Ties to SW Corner of Section 26, T25N R7E:** Replace with Land Section Marker STA 306+41.06, 4.0' East of IL 47 Centerline
- **Ties to NE Corner of Section 34, T25N R7E:** Replace with Land Section Marker STA 545x00
- **Ties to POT STA 171+00:** Replace with PK Nail
- **Ties to SW Corner of Section 27, T25N R7E:** Replace with Permanent Survey Marker STA 223x26
1. Provide the mainline plan and profile sheets first, followed by other plan and profile sheets as they appear along the centerline.
2. Plot existing and proposed facilities using proper levels. See CADDi Roadway Drafting Reference Guide for more clarification.
3. Keep all notes brief, clear, and consistent.
4. Label sheet with applicable stations.

**PLAN VIEW CHECK SHEET**

- SURVEYED
- PLOTTED
- NOTE BOOK NO.
- PLAN
- ALIGNMENT CHECKED
- RT. OF WAY CHECKED
- CADD FILE NAME
- PROFILE
- GRADES CHECKED
- B.M. NOTED
- STRUCTURE NOTAT'NS CH'KD
-NOTE: Date

- SECTION
- COUNTY
- ILLINOIS
- FED. AID PROJECT
- FED. ROAD DIST. NO.
- TOTAL SHEETS
- SHEET NO.
- F.A.
- RTE.
- CONTRACT NO.

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

- DESIGNER
- DRAWN
- CHECKED

- VERDINEML = USER NAME
- 4.0000 " / IN. = PLOT SCALE
- May 20, 2008 - 02:02:58 PM = PLOT DATE
- \(c:\projects\d3names\verdine\verdine.dgn\) = DESIGNED

**REVISED**

- DATE

---

See Chapter 63 of the BDE Manual for additional information on what is shown on the plan/profile sheets.
Additional items the District is looking for on the plans sheets are:

- ADA compliance
- Locations of any traffic counter loops
- Locations of asbestos removal
- Locations of septic tank or well abandonment
- Locations of underground storage tanks
- Locations of protected areas such as wetlands, hazardous waste, or property owner commitments

**PROFILE VIEW**

24. Show the profile of the finished surface or top of the subgrade along the centerline for the proposed facility.
25. Use the same horizontal scale as shown for the plan view. The vertical scale is typically 1 in = 5 ft (1:100 metric) or 1 in = 10 ft (1:100 metric).
26. Show the existing ground line to the nearest 0.1 ft (30 mm) and existing pavement surfaces to the nearest 0.01 ft (5 mm).
27. Show the vertical curve data above the profile line for crest curves and below the profile line for sag curves. Include the following vertical data for each curve:
   - Small triangle at the VPI
   - Small circle (0.1 in (2.5 mm) diameter) at all other vertical curve control points
   - The VPI station, including short segments of vertical tangents
   - The vertical curve length
   - The elevation at the VPI, and
   - The "M" distance between the VPI and roadway surface.
28. Show tangent grades to the nearest hundredth of a percent (i.e., 0.01%). Use a "+" prefix for positive grades and a "-" prefix for negative grades.
29. Show the benchmark information on the top portion of the profile view.
30. Show the elevations for the survey line and proposed centerline vertically every 100 ft (25 m) for rural projects and every 50 ft (10 m) for urban projects. For vertical curves, use a closer interval. The survey elevation is shown to the left of the station ordinate line and proposed centerline elevation to the right.
31. Provide additional profiles, where necessary, for:
   - Pavement edges,
   - Drainage structures,
   - Special ditches,
   - Side roads, and
   - Other situations.
32. Show locations of all undercutting for unsuitable materials with cross hatching and show this excavation to the top of subgrade. Note the applicable stations and depth of excavation on the profile sheet.
33. For bridges within the project, show elevations for:
   - Abutments,
   - Piers,
   - Low vertical clearance points,
   - The high water level, and
   - Stream bed.
Suggested Stages of Construction and Traffic Control

Determine which IDOT Highway Standards are applicable for the traffic control on the project. Where necessary, provide plan view sheets showing:
- temporary roadway horizontal alignment,
- temporary pavement widths,
- temporary traffic lanes,
- proposed construction staging,
- temporary traffic signals,
- location of signing for work zones,
- temporary pavement markings,
- roadside safety layouts, and
- general notes for construction, closures, time frames, etc.

Where necessary, provide the temporary roadway profile grade line on the profile sheet.

The following is a list of items that will be used during the plan review process. It contains District 3 preferences to be considered during the plan preparation process for Traffic Control/Staging plans.

- Include temporary
- Lighting
- Signals
- Bridge Rail
- Concrete Barriers
- Guardrail
- Earthwork
- Pavement Widening
- Sheet Piling
- Attenuators
- Rumble Strips (for mainline interstate, multilane, and high accident locations)
- Check for adequate lane widths
- Check construction access for entrances, side roads, and streets
- Check that there is adequate work space for contractor operations and access to work areas
- Check interstate jobs for possible shoulder reconstruction or bridge deck repair
- Use Material Transfer Device on Interstate projects
- Paint yellow pavement marking line on concrete barrier (District 3 Cadd detail) (use discretion - Highway Standards 701402 and 701416)
- Check project report for approved methods for traffic control and any staging, detour, or alternate route requirements
- Check project report for any local agreements, including local road repairs after detour or alternate route completion
- Check existing shoulder conditions for possible shoulder widening requirements for bridge repair or replacement projects
- Check taper lengths for adjacent construction areas, is there adequate space between or do they need to be combined
- Evaluate temporary lighting needs for interstate crossovers and ramps to see if existing lighting already meets requirements
- Use District detail, 701400 Special, instead of Standard 701400
- Consider coordinating multiple temporary traffic signals with timing or interconnect cable

Place description of sheet here

Information is same as cover sheet
NOTES

Prior to installing post mounted signs, the contractor shall contact J.U.L.I.E. prior to installing post mounted signs, the contractor shall contact J.U.L.I.E.

The contractor shall supply 10 M4-8(FO) 24"X12" signs from District 3. The signs shall be signed by the contractor and be legible. Any sign or post which the engineer determines has been damaged by the contractor shall be repaired or replaced at the contractor's own expense.

The detour is required to remain in place until the work necessary to repair the structure is completed. Any IDOT sign that is covered or changed shall be done in a manner which does not change any signs or posts. Any sign or post which the engineer determines has been damaged by the contractor shall be repaired or replaced at the contractor's own expense.

For more details see stage construction sheets for additional road closure information.

See standards T060 and T0600 for additional information.

NOT TO SCALE
NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE CONSTRUCTION TRAFFIC CONTROL ON I-90/I-80
STAGE 1

LEGEND

- TYPE III BARRIERS
- SIGNAL
- TRAFFIC SIGNAL WITH BACKPLATE
- MICROPHONES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR

STAGING QUANTITIES

<table>
<thead>
<tr>
<th>PAY ITEM</th>
<th>STAGE 1</th>
<th>STAGE 2</th>
<th>STAGE 3</th>
<th>TOTAL QUANTITY</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMP CONCRETE BARRIERS</td>
<td>573</td>
<td>2</td>
<td>598</td>
<td>573</td>
<td>FEET</td>
</tr>
<tr>
<td>IMPACT ATTENUATOR</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>FEET</td>
</tr>
<tr>
<td>TEMPORARY PAVEMENT REMOVAL</td>
<td>972</td>
<td>390</td>
<td>972</td>
<td>972</td>
<td>SQ FT</td>
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<tr>
<td>PAVEMENT REPAIR</td>
<td>117</td>
<td>117</td>
<td>117</td>
<td>117</td>
<td>SQ YDS</td>
</tr>
</tbody>
</table>

NOTES:

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO INSTALLING POST MOUNTED SIGNS, EACH SECTION SHALL BE REVIEWED. A TRUCK DETOUR IS REQUIRED DURING STAGE III CONSTRUCTION.

2. TEMPORARY DETOUR CONTROL AND PROTECTION FOR SIGNS INCLUDED IN COST OF TRAFFIC INFORMATION.

3. STRUCTURE DETAILS FOR ADDITIONAL SEE STANDARDS 701321 AND 702001 AND AFTER STAGE III CONSTRUCTION.

4. THE SURFACE COURSE SHALL BE PLACED INSTALLED DURING STAGE III SIDE OF THE STRUCTURE SHALL BE PROPOSED GUARDRAIL ON THE NORTH SIDE OF THE STRUCTURE SHALL BE INSTALLED DURING STAGE III.

5. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO INSTALLING POST MOUNTED SIGNS, NOT TO SCALE.
Determine which *IDOT Highway Standards* are applicable for erosion and sediment control on the project.

Where necessary, provide any commitments or General Notes that relate to erosion and sediment control.

Where necessary, provide plan view sheets showing:
- proposed construction staging,
- location and protection of environmentally sensitive areas,
- location of erosion and sediment control items, and
- general notes for construction, pay items, etc.

Use double plan sheets as appropriate.
NOTES:
1. 'TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.
2. CONTRACTOR MUST MULCH ALL AREAS DISTURBED AS A RESULT OF TEMPORARY EROSION CONTROL SEEDING. MULCH PLACED WILL BE DONE SO AT THE CONTRACTOR'S EXPENSE.
3. TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS MULCH MULCH METHOD 2.

FOR AS "MULCH, METHOD 2".

3. TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS MULCH METHOD 2.

STATES "MULCH, METHOD 2",

2. CONTRACTOR MUST MULCH ALL AREAS DISTURBED AS A RESULT OF TEMPORARY EROSION CONTROL SEEDING. MULCH PLACED WILL BE DONE SO AT THE CONTRACTOR'S EXPENSE.

1. 'TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.
Drainage and Utilities Sheets

1. For culverts, note the following on the drainage plan view sheet:
   - centerline station for the ends,
   - direction and distance of the ends from the centerline,
   - culvert type (do not specify pipe material), pipe size and length,
   - flow direction,
   - skew angle,
   - upstream and downstream flow elevations, end section or headwall type and size,
   - waterway table if not shown elsewhere in plans, and all applicable construction notes.

2. For storm drainage pipes, show the following:
   - Plan View: each run of pipe between manholes, catch basins, and inlets; pipe diameter and length; and gradient.
   - Profile View: diameter of pipe, type of pipe (do not specify pipe material), length, and gradient.

3. For manholes, catch basins, and inlets, show the following:
   - Plan View: centerline station, direction and distance from centerline, edge of pavement or ground elevation, and invert elevations for all pipes.
   - Profile View: centerline station, direction from centerline, device type and size, invert elevations for all pipes, and top of casting elevation.

Note: If Flat Slab Top or Restricted Depth is required.

4. For end sections, show the following:
   - Plan View: centerline station and offset, type, and size.
   - Profile View: centerline station, direction from centerline, device type and size, and outflow elevation at the bottom of pipe.

5. Note special ditch locations with invert elevations at 100 ft (25 m) intervals on the cross sections. On the profile view note:
   - gradient percentage, centerline station, beginning and ending elevations, and elevations at gradient changes.

6. Show drainage direction arrows for all ditches, waterways, and streams.

7. Note all overhead utilities where they cross the centerline and the type of utility.

8. Note all underground utilities within the right-of-way limits affected by the construction with the following:
   - Plan View: centerline station, direction and distance from the centerline, and all applicable elevations.
   - Profile View: type and size.

For Waterway Table guidelines see 1-303.02 Plan Notation - Waterway Information in the IDOT Drainage Manual found at the IDOT web site:

www.idot.illinois.gov
Doing Business
- Procurements
- Engineering, Architectural & Professional Services
- Consultant Resources
- Bridges & Structures
- Hydraulics
- Technical Manuals

If rock is suspected or known to be in the area, verify the rock elevations and whether rock excavation is needed or not.

When utilities have been located using a S.U.E. survey, include the test hole locations on the drainage sheets with a page reference to the test hole data sheet.

Include test hole data sheets in plans immediately following the utility sheets from S.U.E.

Check horizontal and vertical separation distances between water main, storm sewers, and sanitary sewers. See Standard Specifications for Water and Sewer Main Construction in Illinois. See District Special Provisions for specific pay items. Include necessary District CADD details.

If watermain work is required, notify District as soon as possible to allow time for obtaining required permits.
Include the following sheets and details when needed:

- **Removal Sheets**
- **Right-of-way sheets**
  - Obtain these from the District Bureau of Land Acquisition
  - Check that shown correctly on other plan sheets and cross sections

**Intersection details**
- Include pavement elevations,
  - lane widths,
  - curb or edge of pavement radii,
  - curb ramps,
  - turning radii for left-turning vehicles,
  - location of median noses and islands,
  - location of traffic signal equipment,
  - location of loop detectors,
  - location of traffic signs,
  - pavement markings, and
  - construction joint layout

**Pavement marking details**
- District uses 6" centerline skip dashes
- District uses the large size arrows in urban and rural, note on plans
- Check for appropriate lane widths
- Show layout information
- Show raised reflective pavement markers

**Landscaping details**
- If plans are simple, consider combining with pavement marking detail sheets

**Traffic signal details**
- Verify pole locations are not in ditch flow lines
- Check for conflicts at proposed pole locations
- Check clear zone requirements
- Check to see if borings are necessary
- Check placement of loop detectors in relation to stop bar locations
- Check for electrical supply
- Show loading diagrams

**Lighting details**
- Lighting at interstate interchanges
- Check to see if borings are necessary
- Check for electrical supply
- Show loading diagrams

**Structure sheets**
- Include boring logs on CADD generated sheets and
- Check to see that borings are complete and adequate
- Verify rock elevation does not require separate item for rock excavation
- Check approach details
- Check for bridge painting, coordinate with District
- Check for piling or footing conflicts, such as from old structures
- Include shoulder repair quantities for shifting traffic
- Contact District to see if any utilities are attached to structure
- Include existing structure plan sheets for information only (supplied by district)
- If project has been selected to follow the SAR procedures, coordinate with District for inclusion of structure information and general notes required. See GBSP 67 and ABD 09.1 for information.

**Wetland details**
- Culvert details

Refer to the following locations in the BDE Manual for guidance:

- 63-4.11 Right-of-Way Plan Sheets
- 63-4.12 Intersection Details
- 63-4.13 Pavement Marking Details
- 63-4.14 Special Plans
  - 63-4.14(a) Landscaping Details
  - 63-4.14(b) Traffic Signal Plans
  - 63-4.14(c) Lighting Plans
  - 63-4.14(d) Structure Plans
  - 63-4.14(e) Wetland Plans
MAST ARM NORTHWEST QUADRANT

MAST ARM NORTHEAST QUADRANT

MAST ARM SOUTHWEST QUADRANT

MAST ARM SOUTHEAST QUADRANT

STREET SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARM PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS
1. TYPE A SHEETING REQUIRED
2. WHITE/GREEN BACKGROUND
3. STYLE 0.120” LETTERS
4. 4 IN. LETTERS EACH
5. ALL LETTERS ARE 4 IN. UNLESS OTHERWISE SHOWN

NORTH STREET

DAMPERING PLATE DETAIL

STOP VIEW INCIDENTAL TO MAST ARM QUANTITY

DETECTOR LOOP INDUCTANCE CHART

SELECTED FREQUENCY (HERTZ)

1. 31227
2. 30205
3. 30365
4. 29570
5. 33802
6. 31227
7. 30205
8. 30365
9. 29570
10. 33802

NOTES:
WORK ORDER IS TO BE INTERPRETED AS NOT TO EXCEED DEPTH OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 6 IN. ABOVE THE SURROUNDING GROUND.

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS

MAST ARM LOADING DIAGRAM, ELECTRICAL LOAD CHART

ELECTRICAL LOAD CHART

Item Description | Watts Each | Total Watts | Burn Time (%)
--- | --- | --- | ---
1. Green Arrow | 50 | 100 | 0
2. Green Arrow | 95 | 190 | 0
3. Pedestrian Signal | 100 | 200 | 0
4. Pedestrian Signal | 100 | 200 | 0

NOTE:
ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING HARDWARE SHALL BE MOUNTED ON AND FASTENED TO THE MAINTAINING HANGER.

PEDESTRIAN CROSSING SIGN DETAIL

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

 Legs and bases are non-reflectORIZED Black background Non-reflectORIZED White

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

PEDESTRIAN CROSSING SIGN DETAIL

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

PEDESTRIAN CROSSING SIGN DETAIL
GENERAL NOTES

Locate service pole and control installation adjacent to ROW line, with a minimum distance of 30' (9 m) from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 150' (46 m). Total vertical line underground service between the control installation and primary transformer shall not exceed 250' (76 m).

For 480 V systems, o 480/120 V, control transformer will be required.

Where soil conditions permit, and where approved by the Engineer, a 6" x 6", 5'-0" (150 mm dia. x 1.5 m) steel pole shall be used instead of a concrete foundation.
SOIL BORING LOG

<table>
<thead>
<tr>
<th>BORING NO.</th>
<th>STRUCT. NO.</th>
<th>COUNTY</th>
<th>SECTION</th>
<th>ROUTE</th>
<th>MANUFACTURER</th>
<th>DATE</th>
<th>TIME</th>
<th>HAMMER TYPE</th>
<th>DRILLING METHOD</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Existing boring stations are based on Existing Bridge at 9+65.00 & Proposed Bridge Sta. 1036+60.72.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

(FILL) Yellowish Brown & Gray CLAY
Brown to Medium to Very Stiff Reddish

Groundwater Elev.: 20 ft
Surface Water Elev.: 20 Hrs.
Stream Bed Elev.: 20
H hrs.

200/9" 623

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Three Materials Division of Highways

SOIL BORING LOG

LOGGED BY

42 of 49
08/07/2014

SEE CADD STRUCTURES DRAFTING REFERENCE GUIDE
Where necessary, the following details may be included:

Special drainage details that are not covered in the IDOT Highway Standards or on the drainage plan and profile sheets
Field tile details
Earthwork details for interchanges requiring significant earthwork
Signing plans
Superelevation transition diagrams
Railroad crossing details
District CADD details
Butt joint details
Transition details where there is a change in the roadway surface or base course width. These details should include:
beginning and ending stations,
distances and direction from the centerline, and
all necessary curve data
Transition details where there is a change in roadway material's depth
Any special designs not covered in the IDOT Highway Standards or elsewhere in the plans
ADA SIDEWALK ACCESSIBILITY RAMPS

METHOD 1 PERSPECTIVE WITH SIDE CURBS

METHOD 1 PERSPECTIVE WITH SIDE FLARES

METHOD 1 PERSPECTIVE WITH SIDE CURBS AND SIDE FLARES

TYPICAL CURB APPLICATIONS FOR METHOD 1
Some guidelines for cross sections are:

1. Plot rural cross sections at 100 ft intervals and urban cross sections at 50 ft intervals.
2. Plot intermediate cross sections at all major grade breaks, pipe crossings, side streets, entrances, guardrail terminals, and other locations as necessary.
3. Ensure the spacings between cross sections do not overlap.
4. The mainline cross sections are placed first, by increasing stations, from the bottom of the sheet to top of the sheet. Provide the cross sections for other facilities after the mainline cross section in the order they appear along the mainline.
5. Note the stations of the cross section shown on the bottom of the sheet. Also note the name of the facility to which the cross sections apply.
6. Use a horizontal scale of 1 in = 5 ft or 1 in = 10 ft. The vertical scale is a 2:1 proportion of the horizontal scale. Show at least two elevation lines for each cross section.
7. Plot the existing cross section using a light, dashed line and show the existing:
   - ground line,
   - pavement structure,
   - drainage structures,
   - major utilities,
   - all affected structures,
   - existing and proposed right-of-way and easement lines, and bodies of water near the right-of-way limits;
8. Plot the proposed cross section using a dark, solid line and show:
   - centerline (and the profile grade line, if different);
   - proposed pavement structure;
   - all side road and entrances;
   - curb and gutter;
   - sidewalk locations and depth;
   - proposed side slopes;
   - special fill materials;
   - all new drainage structures, include the following:
     - centerline station,
     - distance and direction from centerline,
     - description and size of structure, top and flow line elevations;
   - all underground utilities;
   - special ditch elevations and drainage direction;
   - proposed right-of-way and easement lines; and
   - any other special features.
9. Provide the proposed centerline pavement surface elevation vertically on each cross section.
10. Label the side slope on the first and last cross section of each sheet and where there are changes in the slope. Show the side slope using a vertical to horizontal ratio, e.g., 1V:3H.
11. Show the end area cut and fill amounts, in square feet, below each cross section.
12. Show all undercutting for subgrade and unsuitable material.
13. Show all earthwork for temporary pavements.
14. Provide separate cross sections for all approaches including side roads and entrances, and note the approach type, direction from centerline, and station next to the cross section.
Highway Standard Sheets

The *IDOT Highway Standards* will be the last sheets added to the project. The Bureau of Design and Environment will be responsible for adding these sheets to the plans. The sheets added will be based on the listing provided in the Index of Sheets.