

**LIST OF HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	REINFORCEMENT BARS, AREAS, WEIGHTS AND SPACING
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
482001-02	HOT-MIX ASPHALT SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542546	FLUSH INLET BOX FOR MEDIA
601101	CONCRETE HEADWALL FOR PIPE DRAIN
602701-01	MANHOLE STEPS
635001	DELINEATORS
666001	RIGHT-OF-WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701901	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001	TELESCOPING STEEL SIGN SUPPORT
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS

**LIST OF DISTRICT 2 STANDARDS**

STANDARD NO.	DESCRIPTION
2.1	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (DIST STD 2.1)
23.4a	HOT-MIX ASPHALT SHOULDERS (DIST STD 23.4a)
28.4	SLOPE WALL FOR FIELD TILE OUTLETS (DIST STD 28.4)
29.2	EROSION CONTROL DETAILS FOR SILT FENCE (DIST STD 29.2)
30.2	FIELD TILE JUNCTION VAULTS (DIST STD 30.2)
37.4	DELINEATOR AND POST (DIST STD 37.4)
40.1	TRAFFIC CONTROL FOR ROAD CLOSURE (DIST STD 40.1)
40.4	ROAD CLOSED TO OVERSIZED LOADS
41.1	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
50.4	TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (DIST STD 50.4)
66.2	WITNESS MARKER AND PERMANENT SURVEY MARKERS, TYPE II (DIST STD 66.2)
89.4	LETTERING FOR NAME PLATE (DIST STD 89.4)

**COMMITMENTS**

- THE STONE RETAINING WALL IN THE NORTHWEST QUADRANT OF IL 73 AND GODDARD ROAD SHALL BE REPLACED WITH THE EQUIVALENT OR BETTER RETAINING WALL IF DISTURBED.
- WHEN ADDRESSING THE FIELD TILE THE PROPERTY OWNER, DR. SCHROEDER OF THE LENA VET CLINIC, WOULD LIKE JIM KLEVER TO BE CONTACTED AT 815/291-4526.

**GENERAL NOTES**

- See cross sections for special ditches and backslopes.
- The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.
- The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.
- Fertilizer Nutrients shall be applied at the rate specified in Section 250 of the Standard Specifications. This shall be included in the cost of the SEEDING.
- Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.
- Closed expansion joints on jointed pavements shall be re-established during the patching operations. Class B Patches - when the pavement requires patching at the location of the expansion joint, a new joint should be established using a dowelled expansion patch as shown on Highway Standard 442101. When the joint is closed, but does not require patching, an expansion joint may be formed by sawing the pavement and filling the saw cut with a preformed expansion joint filler meeting the requirements of Section 105.1 of the Standard Specifications as shown on Standard 420001.
- All mandatory joint sealing for, Class B patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.  
  
For all concrete patching that will not be resurfaced, the concrete shall be struck off flush with the existing pavement surface at each end of the patch.  
  
The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.  
  
The mandatory saw cuts for pavement patching are:  
**Class B Patch:** Cut two transverse saw cuts outlining the patch and one transverse pressure relief saw cut.  
  
The mandatory saw cuts will be paid for at the contract unit price per Meter (Foot) for SAW CUTS.
- The following Mixture Requirements are applicable for this project:  

Mixture Uses(s):	Bottom Shoulders	Top Shoulders	Surface Course
PG:	PG 58-22	PG 58-22	PG 58-22
Design Air Voids	2% @ N50	3% @ N50	3% @ N50
Mixture Composition (Gradation Mixture)	BAM	II 9.5 or 12.5	II 9.5 or 12.5
Friction Aggregate	N/A	C	C
20 Year ESAL	N/A	N/A	N/A
- The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.
- Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.
- Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer.
- Pavement Marking shall be done according to Standard 780001, except as follows:
  - The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines
- Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

- The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Mediacom	CATV
Commonwealth Edison Company	Electric
Verizon	Telephone
NICOR Gas Co.	Gas
Village of Lena	Water and Sewer

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

- CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.
- The quantity of Cubic Yards of Rock Excavation for Structures is included in the quantities in the event that it will be required at the proposed pipe at Sta 600+69.49 and the proposed Reinforced Concrete Double Box Culvert at Sta 609+82.56.
- The quantity for Paved Shoulder Removal is estimated for removal along the length of existing guardrail. It is assumed to be from edge of pavement to face of guardrail.
- The quantity estimated for Temporary Erosion Control Seeding was based on 2 applications over entire disturbed areas.
- All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.
- The new number for the structure at Sta. 600+69.49 will be SN 089-1121. The new number for the structure at Sta. 609+82.56 will be SN 089-1111.
- Delineators shall be placed at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.
- Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.
- Good Neighbor Policy: The Good Neighbor Policy shall be implemented on the detour route and on the alternate routes on this project. Stephenson County has indicated that West Howardsville Road (known as Townline Road within the Village of Lena limits), 5 Corners Road and West Goddard Road are the alternate routes in this project. The quantities in the plans are based on 5% of the total areas of these roads. The length of these roads are indicated in the plans (see Bituminous Schedule). These roads shall be resurfaced with 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, SPECIAL. Resurfacing of these roads shall be based upon recommendations by both the Department and the Stephenson County officials after IL 73/Goddard Road intersection is open to traffic. Quantities shall be deducted from the contract plan quantities if not used.
- PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.
- Permanent Survey Markers, Type II shall be cast in place as shown on Highway Standard 667101.
- The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.
- The Contractor shall clean out all AR culverts and stream flows to the right-of-way lines on the entire section. The cost shall be included in the contract unit price for Removal of Existing Structure No. 1, No. 2 or No. 3.

**COOMBE-BLOXDORF P.C.**  
Engineers / Land Surveyors  
Springfield, Illinois  
Design Firm License No. 184-002703

FILE NAME =	USER NAME = CFC-ns	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, STANDARDS AND COMMITMENTS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...07\07075\08-ns\z11306crr2.dgn		DRAWN -	REVISED -			1087	107T-1	STEPHENSON	47	2	
		CHECKED -	REVISED -			SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 64C64			
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					