

# GENERAL NOTES

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.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

Location(s):	SMART	RESURFACING		SHOULDERS
Mixture Use(s):	Surface	Surface	Binder	Surface
PG:	SBS PG 70-28	PG 58-28	PG 58-28	PG 58-28
Design Air Voids:	4.0% @ N80	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition (Mixture Gradation):	IL 12.5 SMA	IL 9.5	IL 9.5	IL 9.5
Friction Aggregate:	E	C	N/A	C
Mixture Weight:	119 lb/sy/in	112 lb/sy/in	N/A	112 lb/sy/in
Quality Management Program:	QCP	QCP	QCP	QC/QA
Sublot Size:	1000	1000	1000	1000
Number of Roller Passes <sup>1)</sup> :	N/A	N/A	N/A	N/A

1) When the number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program.

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.

Use M-6 curb on islands when located adjacent to a highway with speeds of 45 mph or less.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

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. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

Pavement Marking shall be done according to Standard 780001, except as follows:

- All words, such as ONLY, shall be 8 feet high.
- All non-freeway arrows shall be the large size.
- The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
- Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. :

Contractor shall contact JULIE when contract is awarded about guardrail locations. If any conflicts are found, contact District Two Project Engineer at 815/284-5353.

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project, once the project has been awarded. 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.

It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

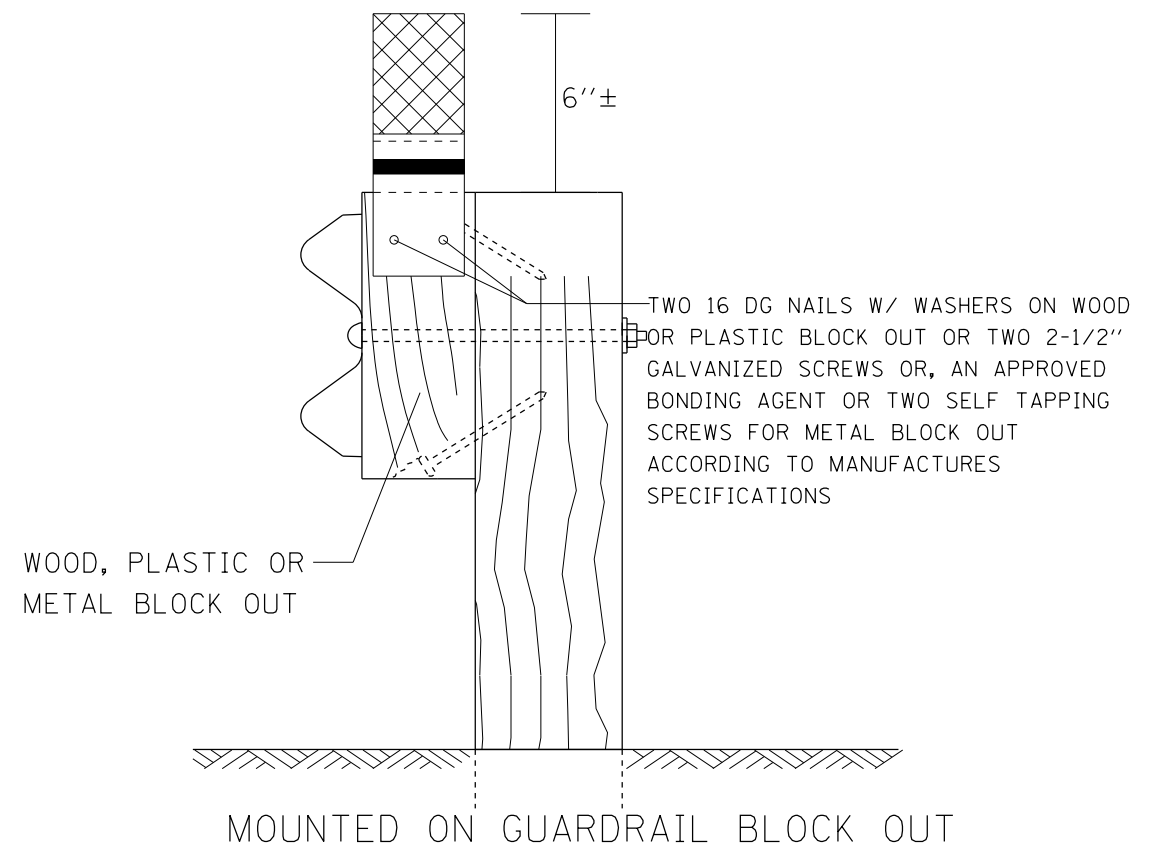
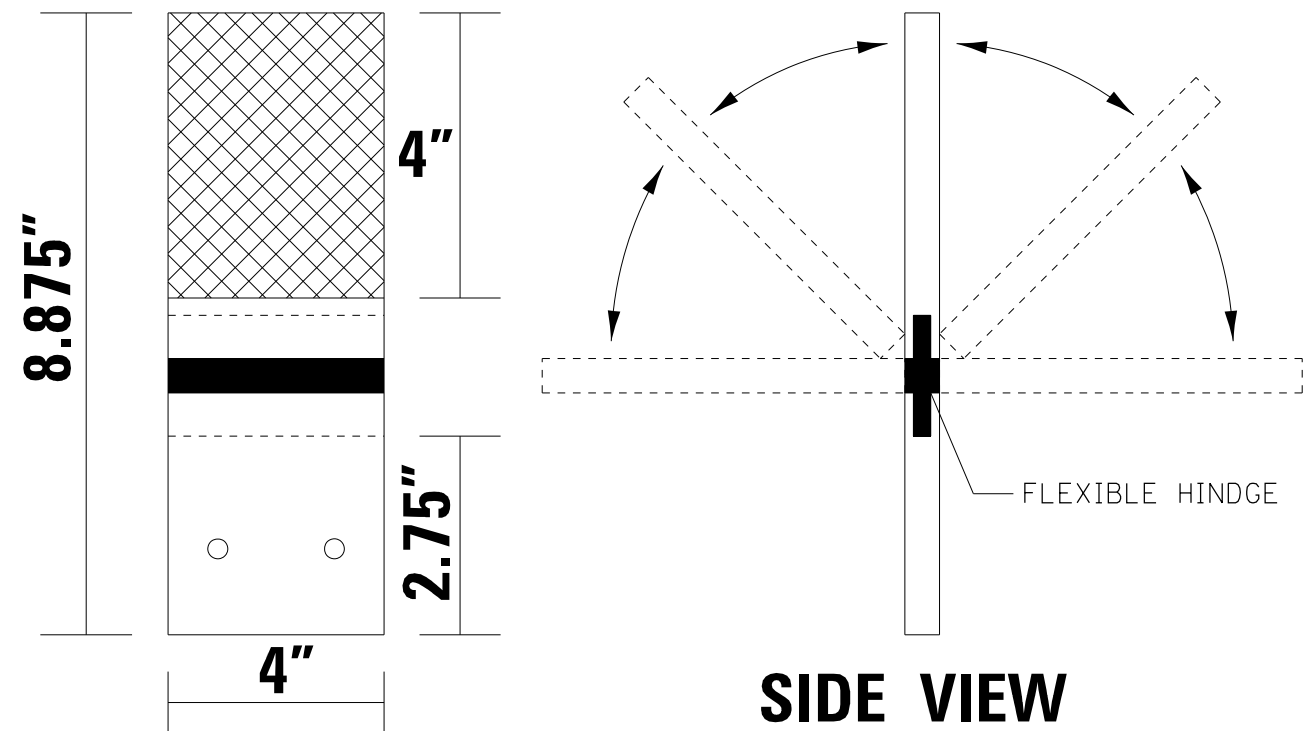
The contractor shall mill and resurface the SMART section (STA 816+78 – 877+87) before milling the 3P section (STA 636+69 – 816+78).

Barrier Wall Reflectors Type B shall be installed on the top of bridge parapet walls. The markers, the color, and the spacing shall be according to Standard 782006, except the minimum is 2 per side.

The Contractor shall place temporary hot-mix asphalt tapers along all sides of the utility structures protruding above the milled surface. The temporary tapers shall extend 2' outside of the castings, except for the approach side to traffic shall have a 4' taper length. Hot-mix asphalt meeting the approval of the Engineer shall be used, no cold millings will be allowed. The cost of the material, placement, maintenance, removal and disposal of said work will be included in the Pay Item for Hot-Mix Asphalt Surface Removal.

FILE NAME = 64M45.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	ROUTE	REGION	COUNTY	TOTAL SHEETS	SHEET
	PLOT SCALE =	DRAWN -	REVISED -			FAP 316 (IL 26)	101RS-6	Lee	52	6
	PLOT DATE = 4/7/2020 10:29 AM	CHECKED -	REVISED -			CONTRACT NO. 64M45			ILLINOIS	FED. AID PROJECT
	DATE - 11/25/2019 11:37 AM	REVISED -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.

# GUARDRAIL REFLECTORS, TYPE C (SPECIAL)



REFLECTORS MAY BE MOUNTED DIRECTLY TO METAL, WOOD OR PLASTIC BLOCK OUTS.

IF MOUNTED ON WOODEN OR PLASTIC BLOCK OUT, THE REFLECTORS SHALL BE MOUNTED USING TWO 16 DG NAILS AND TWO 3/16" WASHERS OR TWO 2-1/2" GALVANIZED SCREWS WITH WASHERS.

IF MOUNTED ON METAL BLOCK OUT, THE REFLECTORS SHALL BE MOUNTED USING AN APPROVED BONDING AGENT PER THE MANUFACTURE'S SPECIFICATIONS, OR TWO SELF TAPPING GALVANIZED SCREWS WITH WASHERS.

**NOTE;**  
REFLECTORS SHALL BE REMOVED AND REPLACED AND SHALL BE INCIDNETAL TO THE NEW GUARDRAIL.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS SHALL BE SINGLE SIDED.

SHEETING COLOR SHALL BE CALLED OUT IN THE PLANS.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.

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USER NAME = millerm	DESIGNED -	REVISED -
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REFLECTOR DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101RS-6	LEE	52	27
CONTRACT NO. 64M45				
ILLINOIS FED. AID PROJECT				