



**RECESSED REFLECTIVE PAVEMENT MARKERS**

**GENERAL CONDITIONS**

IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE THE LABOR AND MATERIALS REQUIRED FOR THE REFLECTORIZE PAVEMENT MARKERS OF SPECIFIC COUNTY ROADS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND ROADS, PAR III, MARKINGS ON THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL WORK SHALL COMPLY WITH SECTION 781 OF THE STANDARD SPECIFICATIONS.

**INSTALLATION**

THE RECESSED REFLECTIVE PAVEMENT MARKERS SHALL BE CONSTRUCTED BY REMOVING A 5" X 24" AREA OF THE BITUMINOUS PAVEMENT AT A DEPTH OF 3/4". THIS DEPRESSED AREA SHALL BE TAPERED VERTICALLY FROM THE FULL DEPTH OF 3/4 INCHES TO 0 INCHES IN 30 INCHES AT BOTH ENDS FOR THE TWO-WAY MARKERS AND AT THE APPROACH END ONLY FOR THE ONE-WAY MARKERS. THE DEPRESSED AREA SHALL BE ORIENTATED LENGTHWISE AND LONGITUDINALLY WITH RESPECT TOT HE ROADWAY.

A 3M 290 SERIES PAVEMENT MARKER OR APPROVED EQUIVALENT SHALL BE PLACED AND CEMENTED WITH EPOXY IN THE CENTER OF THE 3/4" DEEP DEPRESSED AREA.

THE RECESSED AREA SHALL BE CLEANED FREE OF ALL LOOSE MATERIAL BY MEANS OF SAND BLASTING AND ALSO FREE OF MOISTURE BEFORE THE PLACEMENT OF THE PAVEMENT MARKER. ALL EXCESS MATERIAL RESULTING FROM THE CONSTRUCTION OF THE RECESSED AREA SHALL BE COMPLETELY REMOVED FROM THE SURFACE OF THE ROADWAY BY MEANS OF VACUUM SWEEPER TRUCK.

**INSTALLATION NOTES:**

1. SAWCUT (IN DIMENSION SHOWN).
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE, EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2" TO 1/4" INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES.

**GENERAL NOTES:**

1. INSTALLATION SHALL CONFORM IN IDOT HIGHWAY STANDARDS 781001-02 (OR LATEST) FOR MARKER PLACEMENTS.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

	<b>McHenry County</b>
	<b>Division of Transportation</b>
	<b>PERMIT PROCEDURES DETAIL NO. PPD14</b>
<b>RECESSED REFLECTIVE PAVEMENT MARKING APPLICATION</b>	
REV. 10/08	INIT. RELEASE

FILE NAME =	USER NAME = akw	DESIGNED - MCDOT	REVISED -
... \D160F72-sht-details-48-McHenry-02.dgn		DRAWN - ---	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - ---	REVISED -
	PLOT DATE = 5/2/2012	DATE - ---	REVISED -

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

**McHENRY COUNTY DIVISION OF TRANSPORTATION DETAILS**

SCALE: N.T.S.    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	393
<b>CONTRACT NO. 60F72</b>				
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	