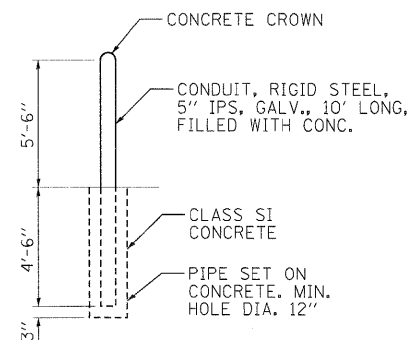


**PLAN**  
TYPICAL WOOD OR STEEL POLE PROTECTION  
C9520.12



**DETAIL A**

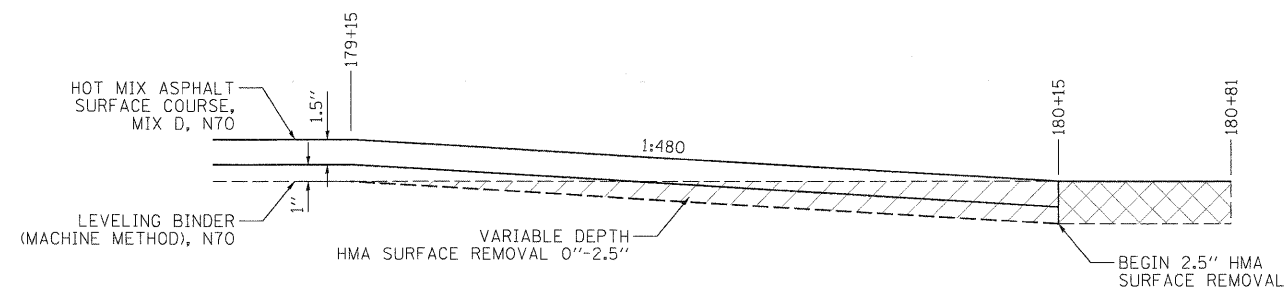
TRANSMISSION STRUCTURE PROTECTIVE BARRIER

APPLICATION

THIS STANDARD SHALL BE USED FOR INSTALLATION OF VEHICLE BARRIERS AROUND TRANSMISSION STRUCTURES AND ILLUSTRATES THE DIFFERENT TYPES OF VEHICLE BARRIERS WHICH MAY BE USED FOR TRANSMISSION STRUCTURE PROTECTION.

INFORMATION

1. ACTUAL STRUCTURE TYPE, SHAPE & BASE DIMENSIONS MAY VARY. DETAILS WILL BE FURNISHED ON THE PROJECT DRAWINGS WHERE DIFFERENT THAN SHOWN.
2. ITEM "0", (S.I.#701129) CAN BE REPLACED WITH 400 PSI READY-MIX CONCRETE PER EM48003. ONE CONCRETE TRUCK WITH 7 CUBIC YARD CAPACITY IS APPROXIMATELY EQUIVALENT TO 220 BAGS OF S.I.#701129 AFTER ADDING WATER AND MIXING.
3. NUTS ON GUARDRAIL BARRIER SHALL BE TIGHTENED WITH A TORQUE WRENCH TO A TORQUE VALUE OF 75 FOOT-POUNDS.
4. SPACING OF BARRIERS FROM STRUCTURE OUTLINE AS SHOWN IS MINIMUM AND MAY BE INCREASED WHERE NECESSARY.
5. THE TOWER PROTECTIVE BARRIER SPACING SHALL BE BASED ON ACTUAL TOWER BASE DIMENSIONS. DETAILS SHOWN ARE APPLICABLE TO A TOWER WITH A MAXIMUM BASE DIMENSION OF 36'-0". ADD ONE UNIT AT EACH SIDE IF THE TOWER BASE DIMENSION EXCEEDS 36'-0".
6. WHERE THIS DIMENSION CAN BE KEPT AT 4 FEET OR LESS, WITH CORNER OPENING NO MORE THAN 4 FEET. THE INTERMEDIATE POST SHOWN HERE CAN BE ELIMINATED.
7. NUMBER OF UNITS DEPENDENT ON SIZE OF TOWER BUT SPACES BETWEEN UNITS SHALL NOT EXCEED THE 4 FEET SHOWN, NOR SHALL THE MINIMUM DISTANCE FROM TOWER BE CHANGED. ADD ONE UNIT AT EACH SIDE IF THE TOWER BASE DIMENSION EXCEEDS 25'-0".
8. THE LOCATIONS OF THE PROTECTIVE BARRIERS WILL BE STAKED BY THE OWNER UNLESS OTHERWISE INDICATED ON THE PROJECT DRAWINGS.
9. CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ALL AREAS OUTSIDE OF THE IMMEDIATE WORK AREA. ANY DAMAGE TO PROPERTY SHALL BE IMMEDIATELY REPAIRED. ALL ADJACENT PROPERTY SHALL BE RESTORED TO ITS ORIGINAL CONDITION IMMEDIATELY AFTER THE INSTALLATION OF THE VEHICLE BARRIERS.



IL38 MILLING AND RESURFACING DETAIL  
STA. 179+65 TO 180+81

LAYOUT: MWH 08/21/07 #10500041  
 DRAWN: MWH 11/04/10 1/0000200  
 REVIEWED: DPA 11/04/10 1/0000200  
 C:\S08\061.dgn

|                |                        |                 |           |
|----------------|------------------------|-----------------|-----------|
| FILE NAME =    | USER NAME = MWH        | DESIGNED - DPA  | REVISED - |
| C:\S08\061.dgn |                        | DRAWN - MWH     | REVISED - |
|                | PLOT SCALE = AS SHOWN  | CHECKED - DPA   | REVISED - |
|                | PLOT DATE = 11/05/2010 | DATE - 11/04/10 | REVISED - |

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

**NORTHERN ILLINOIS UNIVERSITY**  
**FAR WEST CAMPUS EXPANSION**  
**DETAILS**

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

|   |                |        |                    |           |
|---|----------------|--------|--------------------|-----------|
| F.A.P. RTE.                                   | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 567   | 06-00002-00-PV | DEKALB | 148                | 94        |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                |        | CONTRACT NO. 87476 |           |