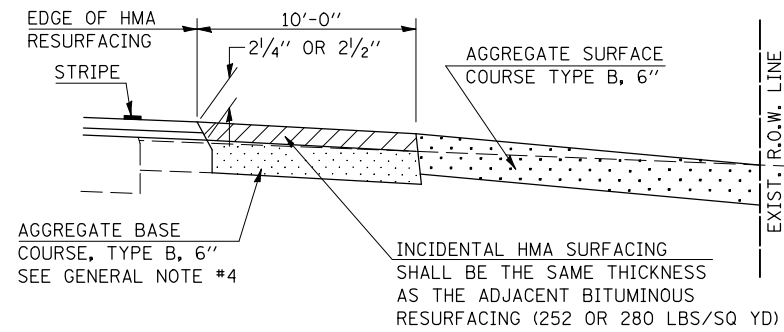
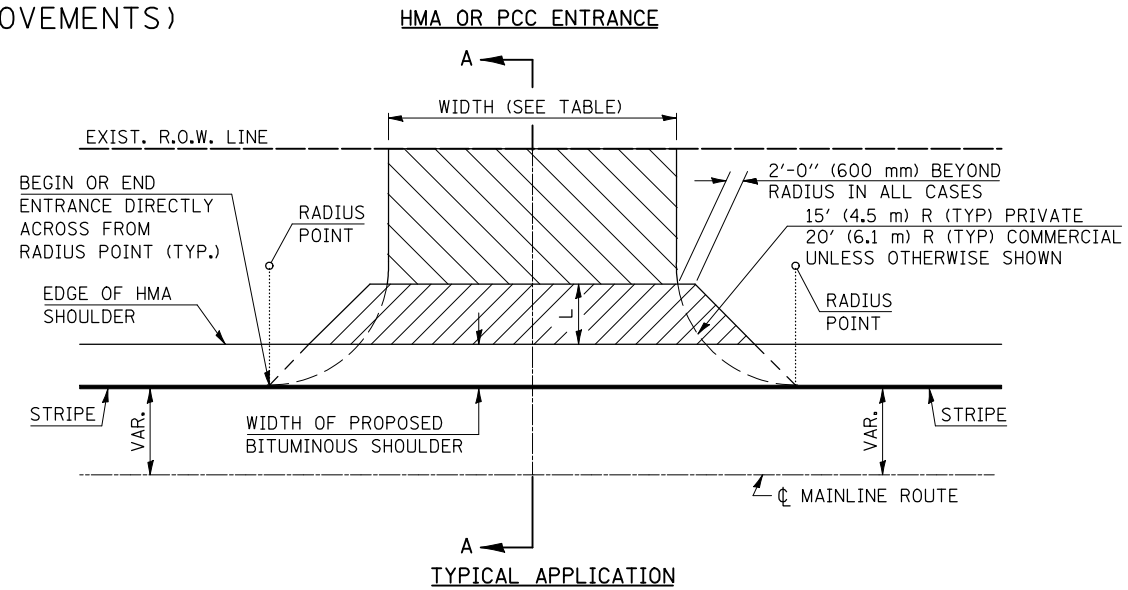
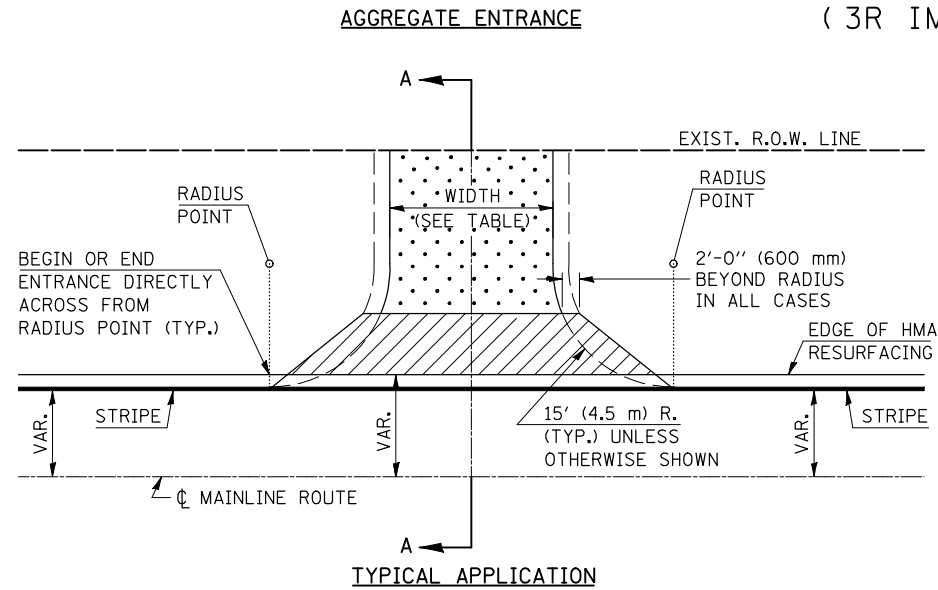
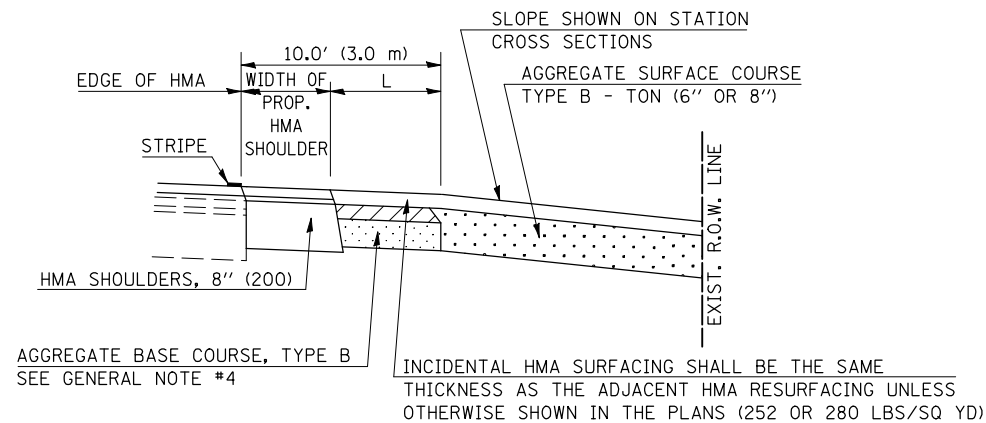


PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



SECTION A-A



SECTION A-A
"HMA EXAMPLE"

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

| RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09) | | | | | | | | | | | | | | | |
|---|---|------|------|--------------------------|------|------|---------------|--------|------|---|------|------------|------------|------|--|
| DESIGN ELEMENT | NEW CONSTRUCTION & 3R with RECONSTRUCTION | | | | | | | | | 3R w/out RECONSTRUCTION, 3P, SMART & CM | | | | | |
| | NONCOMMERCIAL | | | | | | COMMERCIAL | | | NONCOMMERCIAL | | | COMMERCIAL | | |
| | PRIVATE & FIELD | | | FIELD W/ FARM IMPLEMENTS | | | min. | des. | max. | PRIVATE & FIELD | | COMMERCIAL | | | |
| | min. | des. | max. | min. | max. | min. | des. | max. | min. | des. | max. | min. | des. | max. | |
| SURFACE WIDTH (FT) | 12 16 24 24 30 | | | | | | 1 LANE, 1 WAY | | | resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them | | | | | |
| | | | | | | | 14 | 16 | 24 | | | | | | |
| RADIUS (FT) | 15 25 40 30 | | | | | | 2 LANE, 2 WAY | | | taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder | | | | | |
| | | | | | | | 24 | 30 | 35 | | | | | | |
| SHOULDER WIDTH (FT) | 2 | | | | | | 1 | 3 | | | | | | | |
| SHOULDER SLOPE (%) | 2 | | | | | | 2 | 4 | | 6 | | | | | |
| ENTRANCE GRADE (%) | 0 | | | | | | 0 | 2 to 5 | | 8 or 10 | | | | | |
| SIDE SLOPE (FT) | 1:10 | | | | | | 1:10 | 1:6 | | 1:4 | | | | | |
| SURFACE TYPE | | | | | | | | | | | | | | | |
| INCIDENTAL HMA SURFACING (INCH) | 2 | | | | | | 3 or 4 | | | if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02 | | | | | |
| AGGREGATE SURFACE COURSE, TYPE B (INCH) | 6 | | | | | | 8 | | | | | | | | |
| PCC DRIVEWAY PAVEMENT (INCH) | 6 | | | | | | | | | 6 or 8 | | | | | |

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050C

| | | | |
|--|----------------------|------------|------------------------|
| FILE NAME = | USER NAME = stultsjw | DESIGNED - | REVISED - 12/08/06 TJB |
| ct:\pwwork\pwwid01\STULTSJW\d0117834\0570506-shd-details.dgn | | DRAWN - | REVISED - 09/21/07 KAG |
| | | CHECKED - | REVISED - 05/02/08 KJT |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------------------------|------|---------|
| PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL) | | | |
| SCALE: NA | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA. |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|------------------------|--------|---------------------------|-----------|
| 317 | (28)RS-4 & (29,30)RS-2 | MCLEAN | 54 | 45 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |