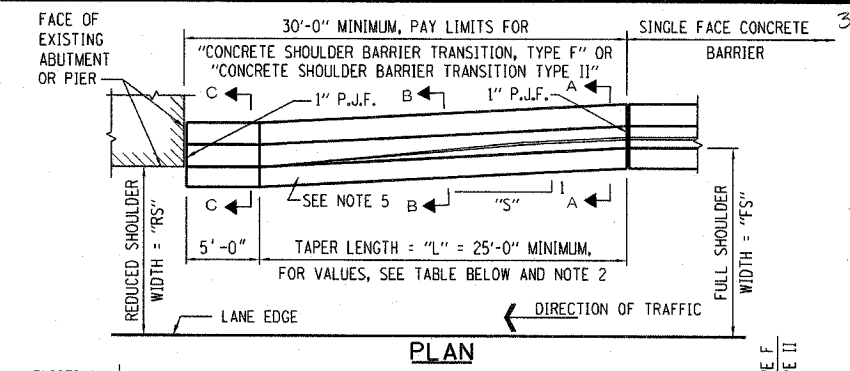


SECTION C-C

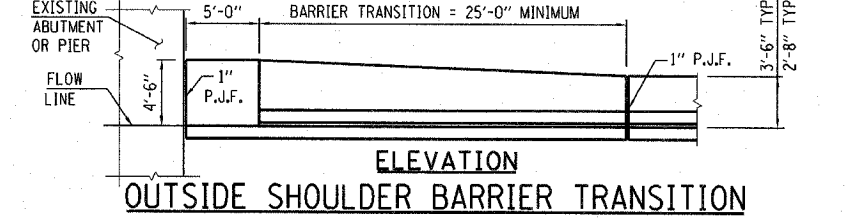
SECTION B-B

SECTION A-A

OUTSIDE SHOULDER BARRIER TRANSITION, TYPE F



PLAN

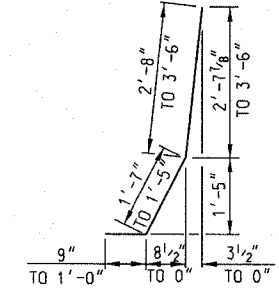


ELEVATION

OUTSIDE SHOULDER BARRIER TRANSITION

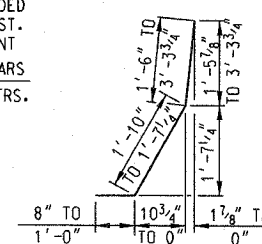
TABLE FOR SHOULDER BARRIER TAPER LENGTH

| DESIGN SPEED MPH | REDUCED SHLD. WIDTH, SEE PLAN "RS" (FT.) | TAPER RATE "S":1 | TAPER LENGTH="L" (SEE NOTE 4) |
|------------------|--|------------------|-------------------------------|
| 70 | 10' MINIMUM | 24:1 | 24 x (FS - RS) |
| | LESS THAN 10' | 30:1 | 30 x (FS - RS) |
| 60 | 8' MINIMUM | 24:1 | 24 x (FS - RS) |
| | LESS THAN 8' | 26:1 | 26 x (FS - RS) |
| 50 | 6.5' MINIMUM | 21:1 | 21 x (FS - RS) |
| | LESS THAN 6.5' | 21:1 | 21 x (FS - RS) |



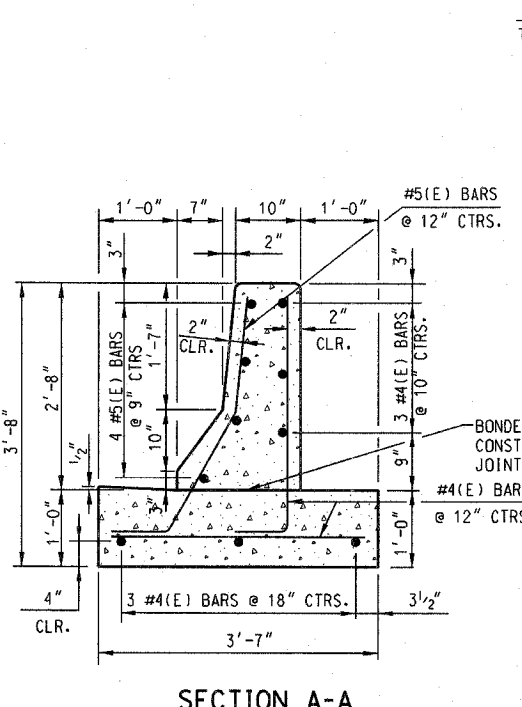
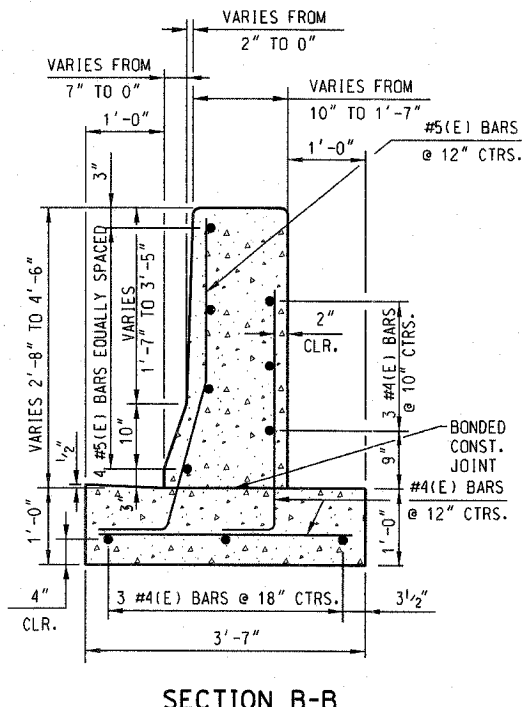
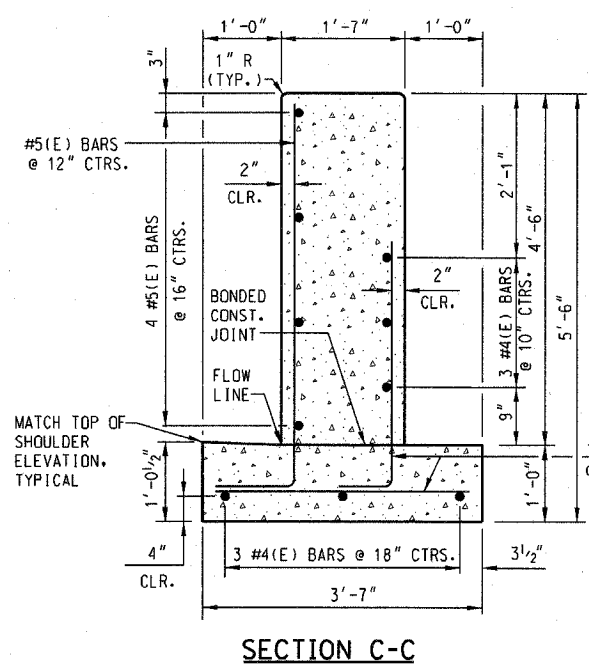
TYPE F BARRIER BARS

TYPES F & II BARRIER BARS



TYPE II BARRIER BARS

DOWEL BAR BENDING DIAGRAMS



SECTION C-C

SECTION B-B

SECTION A-A

OUTSIDE SHOULDER BARRIER TRANSITION, TYPE II (NOT FOR NEW CONSTRUCTION)

APPROVED: *Jeff Daley*
 CHIEF ENGINEER
 DATE: 1-1-2007

| DATE | REVISIONS |
|------|-----------|
| | |
| | |
| | |

Illinois Tollway
 Open Roads for a Faster Future

CONCRETE SHOULDER BARRIER TRANSITION

STANDARD C4-00