

**Paving and Upgrading of Highway Intersections  
with Gravel/Paved Roadways at the Time of  
Grading or First Stage Paving and  
Final Paving or Pavement Rehabilitation**

**Summary**

This Bulletin is being issued as an amendment to the Department's CB6 Standard Drawings, as drawings CB6-3.4M2, CB6-3.4M3 and CB6-3.50M3 are no longer consistent with normal practices on Alberta Highways.

This Bulletin is also being issued to provide consistent treatment at the time of paving and upgrading of highway intersections with roadways, approaches, farm (residential) and field accesses. There is a concern that some intersecting roadways are not being prepared geometrically at the time of grading and/or first stage paving. New and/or updated standard drawings are being issued under this Bulletin to address the upgrading and paving of intersections, approaches, farm (residential) and field accesses at the time of grading or first stage paving and also at the time of final paving or pavement rehabilitation of the highway.

**Key Changes**

- Standard Specification 3.4 is no longer in use. Therefore the CB6-3.4 drawings are being renumbered to CB6-2.3 to indicate that these are normally used with the 2.3 Grading Specifications.
- Designers, consultants, practitioners and department staff responsible for design/ review should ensure that all intersecting roadways, farm and field accesses are assessed and treated appropriately at the time of grading, first stage paving, final paving or pavement rehabilitation.
- Engineering judgment should be used to adjust the limit of paving where warranted by site conditions.

Intersecting Roadways

- Standard drawing CB6-3.4M2 (April 1981) - Asphaltic Concrete Pavement and Base Course at Intersection of Primary Highway with Secondary Road or Road Allowance is renumbered and superseded by standard drawings:
  - o CB6-2.3M2 (Rev.2) - Geometric Guidelines and Paving Limits of Intersecting Roadways at the Time of Grading and/or First Stage Paving of Highway.
  - o CB6-3.50M2 (Rev.2) - Paving Limits of Intersecting Roadways at the Time of Final Pavement Rehabilitation of Highway.
- At time of grading and/or first stage paving of highway, the vertical alignment, slopes, and culvert placement details should comply with the details shown in Chapter D of the Highway Geometric Design Guide. Refer to Figures D-3.3a and D-3.3b. A Note has been added to standard drawing CB6-2.3M2 (Rev.2).
- The limit of paving is the right-of-way boundary. The "or 40 m from the edge of shoulder, whichever is greater" has been deleted.

### Farm (Residential) Accesses

- Standard drawings CB6-3.4M3 (Jan. 1991) Asphalt Concrete Pavement/Asphalt Stabilized Base Course and Granular Base Course for Farm Entrance and CBI-3.50M3 - Typical Plan and Half-Section for Asphaltic Concrete Pavement Farm Entrance (Dec. 1978) are superseded by Standard Drawings:
  - o CB6-2.3M3 (Rev.2) - Geometric Guidelines and Paving Limits of Farm (Residential) Accesses at the Time of Grading and/or First Stage Paving of Highway.
  - o CB6-3.50M3 (Rev.2) - Paving Limits of Farm (Residential) Accesses at the Time of Final Pavement Rehabilitation of Highway.
- At time of grading and/or first stage paving of a highway, the vertical alignment should comply with the details shown in Chapter D of the Design Guide (refer to Figures D-3.3b). A Note has been added to standard drawing CB6-2.3M3.
- The limit of paving is not to extend beyond right of way boundary onto private lands.

### Field Accesses

- Standard drawing CB6-3.4M3 (Jan. 1991) Asphalt Concrete Pavement/Asphalt Stabilized Base Course and Granular Base Course for Farm Entrance is superseded by standard drawings:
  - o CB6-2.3M3a - Geometric Guidelines and Paving Limits of Field Accesses at the Time of Grading and/or First Stage Paving of Highway.
  - o CB6-3.50M3a - Paving Limits of Field Accesses at the Time of Final Pavement Rehabilitation of Highway.
- At time of grading and/or first stage paving of a highway, the vertical alignment should comply with the details shown in Chapter D of the Highway Geometric Design Guide (refer to Figure D-3.3b). A Note has also been added to standard drawing CB6-2.3M3a
- The following Note has also been added to standard drawing CB6-2.3M3a: "Where the vertical alignment cannot be constructed within the Highway R/W in accordance with Figure D-3.3b, relocation and or realignment of the field access should be considered to minimize the extent of grading to within the Highway R/W. Desirable sight distances should be maintained."
- The following Note has been added to standard drawings CB6-2.3M3a and CB6-3.50M3a stating that "The limit of gravel surfacing is not to extend beyond right of way boundary onto private lands".

### **Implementation**

The new and revised drawings as indicated in this Bulletin are to be implemented immediately as per the usual practice.

Effective Date: April 12, 2007.

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### **Attachments:**

CB6 Standard Drawings click on link.

<http://www.transportation.alberta.ca/655.htm>

- CB6-2.3M2
- CB6-2.3M3
- CB6-2.3M3a
- CB6-3.50M2
- CB6-3.50M3
- CB6-3.50M3a