

# SUDAS Revision Submittal Form

**Status Date:** As of 5/12/2017      **Topic:** Form setting and testing  
**Manual:** Specifications      **Manual Location:** Section 7030, 3.04 and 3.08

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## Requested Revision:

### 3.04 PCC SIDEWALKS, SHARED USE PATHS, AND DRIVEWAYS

**A. Form Setting:** Comply with Section 7010 with the following additional requirements and exceptions.

1. Slip form paving equipment may be allowed in lieu of setting forms, if approved by the Engineer.
2. Wood forms are allowed.
3. Use of an automated subgrade trimmer is not required.
4. Set forms true to line and grade and hold them rigidly in place by stakes placed outside the forms and flush with or below the top edge of the forms.
5. Measure or stake as required to construct project elements. If either of the following is met and construction survey is not a bid item, the Contracting Authority will verify that form work complies with the design requirements:
  - a. The tolerance between the design running slope and the maximum allowable running slope is less than 1.0%.
  - b. The tolerance between the design cross slope of the sidewalk, turning space, or shared use path and the maximum allowable cross slope is less than 0.5%.

If adequate tolerances are contained in the design, the Contracting Authority will not verify the form work for the construction of sidewalks or shared use paths. If field adjustments cause changes that will bring the facility into the range of tolerances shown above, notify the Engineer prior to construction.

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### 3.08 TOLERANCES FOR SHARED USE PATHS AND DRIVEWAYS TESTING

- ~~A. Check finished surface with a 10 foot straightedge placed parallel to the centerline.~~
- ~~B. Ensure the cross section and profile of the pavement is constructed to within a tolerance of 1/4 inch in 10 feet (0.2%) of the design grades. This does not allow maximum slopes to be exceeded.~~
- ~~C. Mark areas showing bumps of more than 1/4 inch in 10 feet and grind down with an approved grinding tool to an elevation where the area will not show deviations in excess of 1/8 inch.~~

#### **A. Slope for Sidewalks, Curb Ramps, Turning Spaces, and Shared Use Paths:**

1. Complete slope measurements and documentation according to Iowa DOT Materials I.M. 363.
2. At no additional cost to the Contracting Authority, remove and replace all sections not meeting PROWAG requirements as detailed in SUDAS Design Manual Section 12A-2.

#### **B. Smoothness for Shared Use Paths and Driveways:**

1. Check finished surface with a 10 foot straightedge placed parallel to the centerline. Mark areas showing high spots of more than 1/4 of an inch in 10 feet.
2. If directed by the Engineer, correct marked areas by grinding down with an approved grinding tool to an elevation where the area will not show deviations in excess of 1/8 inch.

**Reason for Revision:** Adding criteria for when the Engineer would check form work; also adding requirements for testing.

**Comments:** None.

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**District:**  1  2  3  4  5  6  
**Initial Comments:** None.  
**Final Comments:** None.  
**Action:**  Deferred  Not Approved  Approved

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**District:**  1  2  3  4  5  6  
**Initial Comments:** None.  
**Final Comments:** None.  
**Action:**  Deferred  Not Approved  Approved

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**District:**  1  2  3  4  5  6  
**Initial Comments:** In 3.04, clarify that the Engineer will only provide staking if it is not a bid item. *Note - done.*  
**Final Comments:** In 3.04, A, 5 - delete "for that quadrant." Change 3.08, B, 2 to say "correct bumps 1/4 inch in 10 feet." *Note - these suggestions were addressed.*  
**Action:**  Deferred  Not Approved  Approved

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**District:**  1  2  3  4  5  6  
**Initial Comments:** None.  
**Final Comments:** Refer to Design Section 12A-2 instead of PROWAG. Look at the language in Section 7010 for how to correct the bumps (specifically guidance about the grinding). *Note - referenced PROWAG and Section 12A-2; modified the bump correction language.*  
**Action:**  Deferred  Not Approved  Approved

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**District:**  1  2  3  4  5  6  
**Initial Comments:** None.  
**Final Comments:** None.  
**Action:**  Deferred  Not Approved  Approved

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**District:**  1  2  3  4  5  6  
**Initial Comments:** Need clarification on the language - commented that they'd rather spend the time to check the forms rather than construction survey. Suggested using the language: "Verify form work complies with design." *Note - done.*  
**Final Comments:** None.  
**Action:**  Deferred  Not Approved  Approved

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**Final District Action Summary:** All 6 districts approved; see comments above.

**Board of Directors Action:** Approved.