

SUDAS Revision Submittal Form

Status Date: As of 5/17/2019 **Topic:** Linear trench drain
Manual: Specifications **Manual Location:** Section 4020, 1.08, 2.02, and 3.04
Figure 6010.521

Requested Revision:

1.08 Measurement and Payment

C. Linear Trench Drain:

- 1. Measurement:** Measurement will be in linear feet from end to end.
- 2. Payment:** Payment will be at the unit price per linear feet of linear trench drain installed.
- 3. Includes:** Price includes, but is not limited to, furnishing and installing the linear trench drain including all appurtenances; furnishing and placement of PCC transition; furnishing, excavation, and backfill of discharge pipe; connection to manhole or intake, if required; installation of apron, if required.

{Renumber the items that follow}

....

2.02 LINEAR TRENCH DRAIN

Comply with approved manufacturer's requirements and [Iowa DOT Materials I.M. 449 \(MAPLE\)](#), as well as complying with Figure 6010.521. Provide certification indicating continuous trench drain meets AASHTO M 306 for 40,000 pound proof load.

{Renumber the item that follows}

....

3.04 LINEAR TRENCH DRAIN

- A.** Install according to the manufacturer's requirements and the contract documents.
- B.** Use duct tape or wood block to prevent intrusion of concrete during installation and paving.
- C.** Connect to existing intake or manhole according to Section 6010, 3.05 or discharge to an open drainageway/ditch.

{Renumber the items that follow}

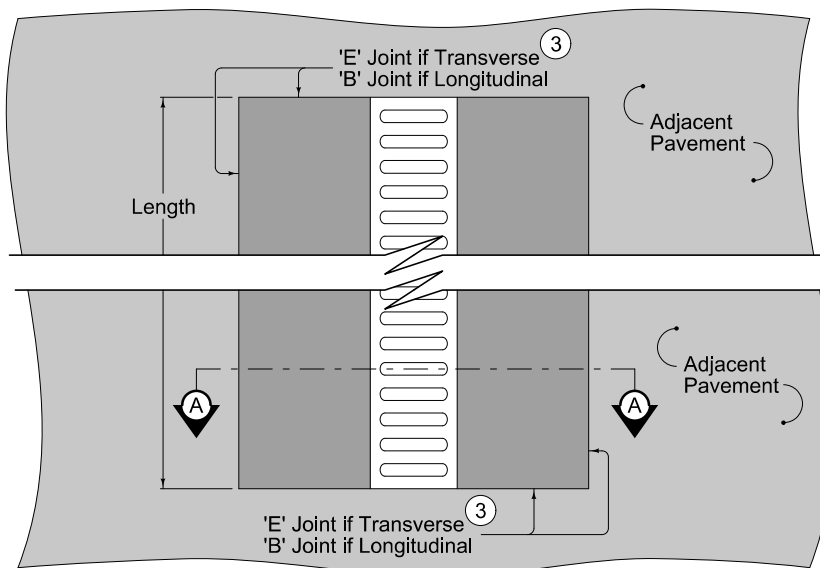
Reason for Revision: Added linear trench drain option.

Comments: Will be added to the Iowa DOT Specifications as well.

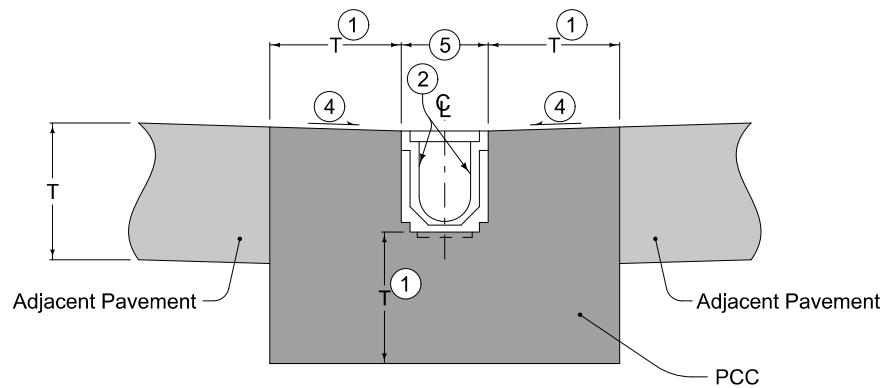
District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
Initial Comments:	None.					
Final Comments:	None.					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
Initial Comments:	None.					
Final Comments:	Make sure the figure shows up crisp. <i>Note - done.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
District:	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
Initial Comments:	None.					
Final Comments:	None.					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
District:	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
Initial Comments:	Add solid cover as an option (provide for protection during paving) and don't want the width determined by the manufacturer. <i>Note - added minimum width.</i>					
Final Comments:	Option for solid cover instead of slotted (used in sidewalk to carry the water from one side of the sidewalk to the other)? <i>Note - can include any specialty cover or grate when ordered.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 6
Initial Comments:	Questioned if in 3.04, C, can we just discharge rather than connecting to another structure? <i>Note - done.</i>					
Final Comments:	Questioned the thickness; what would the manufacturer recommend for a minimum thickness? Compare the top T dimension. <i>Note - revised.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 6
Initial Comments:	Make sure the possible contract item and possible tabulation language isn't included on the figure. <i>Note - done.</i> They also questioned if there is reinforcing like in boxouts. <i>Note - no.</i>					
Final Comments:	Questioned the thickness; what would the manufacturer recommend for a minimum thickness? Compare the top T dimension. <i>Note - revised.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

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

Board of Directors Action: Approved.



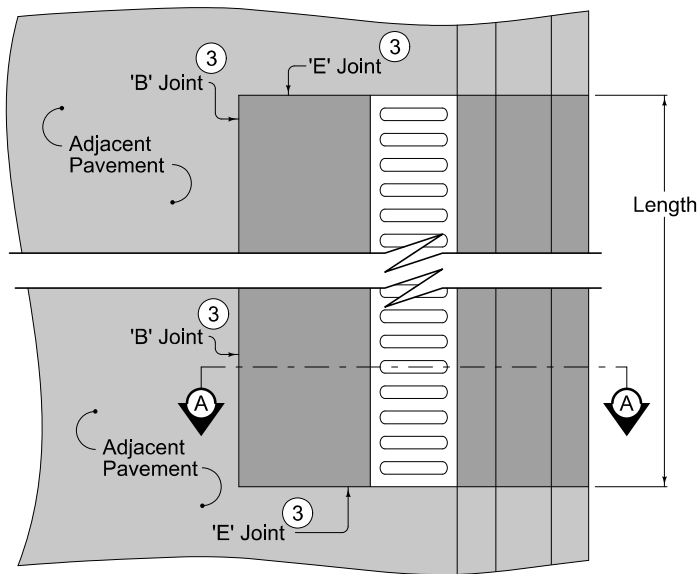
PLAN



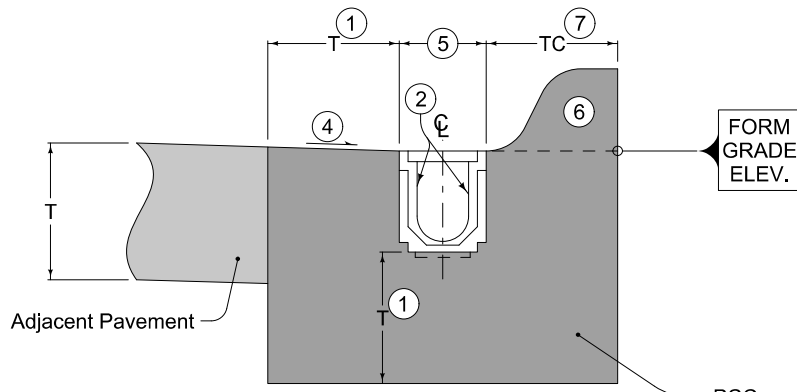
SECTION A-A

- ① 6 inches or same as thickness of adjacent pavement, whichever is greater.
- ② Linear Trench Drain.
- ③ For joint details, see PV-101.
- ④ Slope same as adjacent pavement.
- ⑤ Width as determined by manufacturer. Minimum 6 inches.

		REVISION
		2
FIGURE 6010.521 STANDARD ROAD PLAN		SW-521
DRAFT		SHEET 1 of 2
<i>David D. Wiegand</i> PROJECT ENGINEER		<i>Scott Miller</i> METHODS ENGINEER
LINEAR TRENCH DRAIN		



PLAN



SECTION A-A

- ① 6 inches or same as thickness of adjacent pavement, whichever is greater.
- ② Linear Trench Drain.
- ③ For joint details, see PV-101.
- ④ Slope same as adjacent pavement.
- ⑤ Width as determined by manufacturer. Minimum 6 inches.
- ⑥ Standard or sloped curb. For curb details, see PV-102.
- ⑦ Minimum thickness same as thickness of adjacent pavement or curb width, whichever is greater.

		REVISION
		2
FIGURE 6010.521 STANDARD ROAD PLAN		SW-521
DRAFT		SHEET 2 of 2
<i>David D. Weigand</i> <small>SENIOR PROJECT ENGINEER</small>		<i>John Miller</i> <small>DEPT. METHODS ENGINEER</small>
LINEAR TRENCH DRAIN		