STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Timber Lagging -Timber Lagging -Temporarily support -re-embedment length of Geotextile Reinf. Timber Piles-Timber Piles Forming Brace — Forming Brace Compacted Proposed . Select Fill Proposed Ground Ground '-0"± Geotextile Soil 1'-0"± 3'-0" min. Reinforcement re-embedment length 00002:00002: NO 200 X 200 1112 (1112) (111 3" to 4"± 6′-0″ 3" to 4"± 6′-0″ Geotextile Retaining Wall brace brace Geotextile Retaining Wall 1. Place Forming Brace against timber lagging. 4. Fold re-embedment length tightly over compacted fill. 2. Place Geotextile Reinforcement tightly over prepared base. 5. Place compacted select fill over re-embedment length to complete layer. Temporarily support the re-embedment length. 3. Place compacted select fill on reinforcement. Proposed Ground -Filter Fabric Geotextile Soil 2'-0" Reinforcement Timber Lagging -Timber Lagging-902:00902: NO2 Timber Piles -Timber Piles -- Forming Brace 002;0000; 002; Proposed Proposed Ground

Ground \$660565;60565; 76834 002:00002:0023 <u>1" to 2</u>" 6'-0" (+) final gap Geotextile Retaining Wall

7. Repeat previous steps for successive layers.

6. Pull Forming Brace up to begin next layer. Check that a gap of 1-2" remains after bulging/sagging of the previous layer. If necessary, adjust

the Forming Brace thickness to ensure this gap for each layer.

8. For top layer of reinforced fill, the geotextile reinforcement should be folded over the full width as shown.

6'-0" (+)

Geotextile Retaining Wall

1" to 2'

final gap

902:0002: 092

002:00002:00

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9. Place filter fabric and soil backfill to the proposed grade.

GEOTEXTILE	WALL	CONSTRUCTION	SEQUENCE

Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois							
DESIGNED:	JDQ	DRAWN:	SJS/PTR				
CHECKED:	DCD	CHECKED:	DCD				



Note:

The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 30 lb./in. as determined by the procedure described in the Special Provision. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.

## GEOTEXTILE RETAINING WALL THOMPSON MILL COVERED BRIDGE OVER KASKASKIA RIVER STRUCTURE NO. 087-0019

SHEET		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	SHEEL 6	389A	D-7 Bridge Appr. 2009-1	SHELBY	14	8		
	OF 12	CONTRACT	NO. 7	4337				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								