

Procedure Checklist FM 5-534 - Thickness Determination in Soil-Aggregate Bases

Evaluation Date:		IA Evaluator:	
¹ Qualification Area:		Technician Name:	
² Evaluation Type:		Technician's Email:	
		Supervisor's Name:	
Evaluation District:	³ Tech. Type:	Supervisor's Email:	

Location Information			
Mainline/Shoulder:		Offset Direction:	
Reference Line:		Lane:	Core #:

	P	F	N/A
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Hole Inspection			
1.		The hole diameter is verified to be a minimum of 3 inches.	
2.		The depth of the hole is enough to clearly identify the bottom of the base.	
3.		All loose material is removed to clearly identify the bottom of the base.	
Measuring Depth			
4.		Depth is measured from top of the finished base to the subgrade.	
5.		Depth is measured perpendicular to the surface plane.	
6.		Measurement is rounded and recorded to the nearest 0.1 inches.	
Straightedge			
7.		Straightedge is placed parallel to centerline of the roadway.	
8.		Irregularities are determined using appropriate tool.	
9.		Irregularities not meeting specifications are identified.	
Template/Cross Slope			
<i>NOTE: Complete the section below in accordance with the method used (i.e. Template or Stringline). If a method other than Template or Stringline was used you must explain in the remarks section at the bottom of the checklist.</i>			
10.	Template	Leveled area is identified to check correctness of template.	
11.		Template is checked for crown height and for straightedge.	
12.		Template is placed on center of the base.	
13.		Irregularities are measured using appropriate tool.	
14.		Irregularities not meeting specifications are identified.	
15.	Stringline	Stringline elevations are verified and observed for proper holding (sagging, etc.).	
16.		Height from top of base to string line are measured at crown, ends, and intermittently.	
17.		Base surface is checked for straightness using string or other appropriate tool.	
18.		Irregularities are measured using appropriate tool.	
19.		Irregularities not meeting specifications are recorded.	

Comparison Criteria: Hole Depth = ±1" (25mm)

Remarks: _____

Notes:

- 1 ECI Level I, ECI Level II
- 2 IA Observation, IA Split, IA Split/IA Observation
- 3 IA, QC, QC/VT, VT