

Appendix 3 (Task 1-2)

Study of Application of Dispersive Soil to Road Works

3-1 Laboratory Test Result of Natural Soil

3-2 Laboratory Test Result of Additive Mixed Soil

3-3 Photograph of Work Progress

3-4 Photograph of Site Observation

3-5 Technical Specification of Pilot Work

3-1 Laboratory Test Result of Natural Soil

Laboratory Test Result of Natural Soil

Sample Name	Date	Starting Time	Evaluation			
			Nil	Slight	Moderate	Severe
1-1	Feb. 13, 2012	10:00				✓
1-2	Feb. 13, 2012	10:00			✓	
1-3	Feb. 13, 2012	10:00	✓			
2-1	Feb. 13, 2012	10:00				✓
2-2	Feb. 13, 2012	10:00		✓		
2-3	Feb. 13, 2012	10:00	✓			
3-1	Feb. 13, 2012	10:00				✓
3-2	Feb. 13, 2012	10:00				✓
3-3	Feb. 13, 2012	10:00		✓		
4-1	Feb. 13, 2012	10:00			✓	
4-2	Feb. 13, 2012	10:00		✓		
4-3	Feb. 13, 2012	10:00				✓
5-1	Feb. 13, 2012	10:00		✓		
5-2	Feb. 13, 2012	10:00				✓
5-3	Feb. 13, 2012	10:00		✓		
6-1	Feb. 13, 2012	10:00				✓
6-2	Feb. 13, 2012	10:00				✓
6-3	Feb. 13, 2012	10:00			✓	
7-1	Feb. 13, 2012	10:00				✓
7-2	Feb. 13, 2012	10:00				✓
7-3	Feb. 13, 2012	10:00				✓
8-1	Feb. 13, 2012	10:00				✓
8-2	Feb. 13, 2012	10:00				✓
8-3	Feb. 13, 2012	10:00				✓
9-1	Feb. 13, 2012	14:00				✓
9-2	Feb. 13, 2012	14:00				✓
9-3	Feb. 13, 2012	14:00				✓
10-1	Feb. 13, 2012	14:00	✓			
10-2	Feb. 13, 2012	14:00				✓
10-3	Feb. 13, 2012	14:00			✓	
11-1	Feb. 13, 2012	14:00				✓
11-2	Feb. 13, 2012	14:00				✓
11-3	Feb. 13, 2012	14:00			✓	
12-1	Feb. 13, 2012	14:00				✓
12-2	Feb. 13, 2012	14:00				✓
12-3	Feb. 13, 2012	14:00		✓		
13-1	Feb. 13, 2012	14:00				✓
13-2	Feb. 13, 2012	14:00				✓
13-3	Feb. 13, 2012	14:00			✓	
14-1	Feb. 13, 2012	14:00				✓
14-2	Feb. 13, 2012	14:00				✓

Sample Name	Date	Starting Time	Evaluation			
			Nil	Slight	Moderate	Severe
14-3	Feb. 13, 2012	14:00	✓			
15-1	Feb. 13, 2012	14:00				✓
15-2	Feb. 13, 2012	14:00				✓
15-3	Feb. 13, 2012	14:00		✓		
16-1	Feb. 13, 2012	14:00				✓
16-2	Feb. 13, 2012	14:00		✓		
16-3	Feb. 13, 2012	14:00				✓
17-1	Feb. 13, 2012	14:00				✓
17-2	Feb. 13, 2012	14:00				✓
17-3	Feb. 13, 2012	14:00		✓		
18-1	Feb. 13, 2012	14:00				✓
18-2	Feb. 13, 2012	14:00				✓
18-3	Feb. 13, 2012	14:00			✓	
19-1	Feb. 13, 2012	14:00				✓
19-2	Feb. 13, 2012	14:00				✓
19-3	Feb. 13, 2012	14:00		✓		
20-1	Feb. 13, 2012	14:00				✓
20-2	Feb. 13, 2012	14:00				✓
20-3	Feb. 13, 2012	14:00		✓		
21-1	Feb. 13, 2012	14:00	✓			
21-2	Feb. 13, 2012	14:00				✓
21-3	Feb. 13, 2012	14:00	✓			
22-1	Feb. 13, 2012	14:00				✓
22-2	Feb. 13, 2012	14:00				✓
22-3	Feb. 13, 2012	14:00		✓		
23-1	Feb. 13, 2012	14:00				✓
23-2	Feb. 13, 2012	14:00				✓
23-3	Feb. 13, 2012	14:00		✓		
24-1	Feb. 13, 2012	14:00				✓
24-2	Feb. 13, 2012	14:00				✓
24-3	Feb. 13, 2012	14:00		✓		
B-1	Feb. 13, 2012	14:00				✓
B-2	Feb. 13, 2012	14:00				✓
B-3	Feb. 13, 2012	14:00			✓	
Total Number			6	14	8	47

Simple Dispersive Soil Test for Natural Soil

Sample No. 1-1 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe			

Evaluation Criteria :








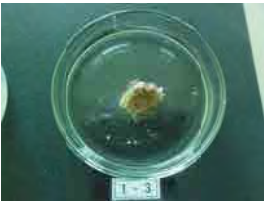

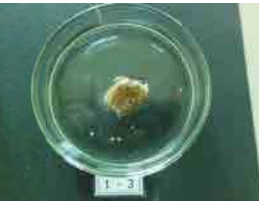





Simple Dispersive Soil Test for Natural Soil

Sample No. 1-2 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe			

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>1-3</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
40 min.	50 min.	60 min.	70 min.	80 min.
				
90 min.	100 min.	110 min.	120 min.	Evaluation ■: Nil □: Slight □: Moderate □: Severe
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>2-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
40 min.	50 min.	60 min.	70 min.	80 min.
				
90 min.	100 min.	110 min.	120 min.	Evaluation □: Nil □: Slight □: Moderate ■: Severe
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>2-2</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input checked="" type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :









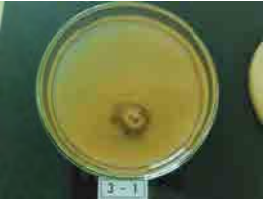

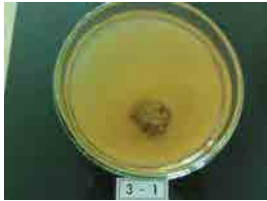



Simple Dispersive Soil Test for Natural Soil

Sample No. <u>2-3</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input checked="" type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :









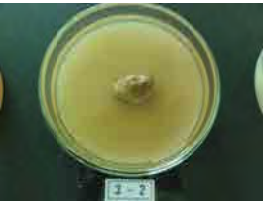





Simple Dispersive Soil Test for Natural Soil

Sample No. <u>3-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>3-2</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No. 3-3 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. 4-1 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. 4-2 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. 4-3 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :











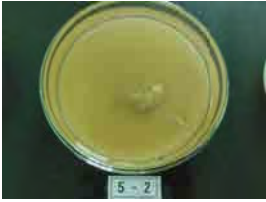



Simple Dispersive Soil Test for Natural Soil

Sample No. <u>5-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No. <u>5-2</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No. <u>5-3</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe			

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>6-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe			

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>6-2</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>6-3</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :



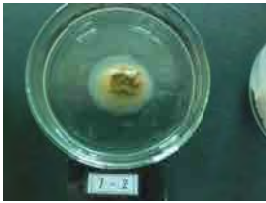











Simple Dispersive Soil Test for Natural Soil

Sample No. <u>7-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>7-2</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. <u>7-3</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe		
90 min.	100 min.			
				

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No. <u>8-1</u> Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe		
90 min.	100 min.			
				

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No. 8-2 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe			

Evaluation Criteria :







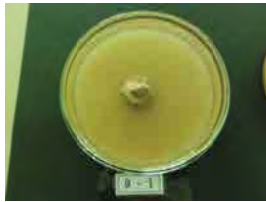






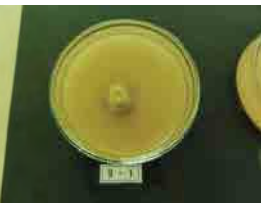
Simple Dispersive Soil Test for Natural Soil

Sample No. 8-3 Date: Feb. 13, 2012 Starting Time: 10:00	0 min.	10 min.	20 min.	30 min.
	40 min.	50 min.	60 min.	70 min.
	80 min.	90 min.	100 min.	110 min.
120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe			

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.9-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :














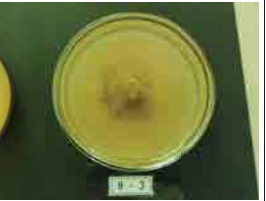
Simple Dispersive Soil Test for Natural Soil

Sample No.9-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.9-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :







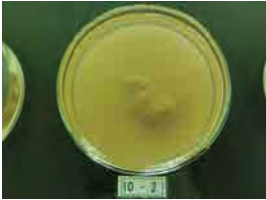

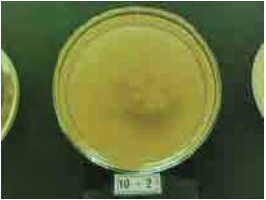
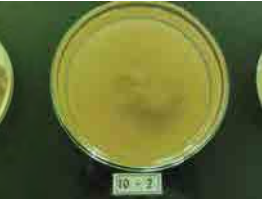
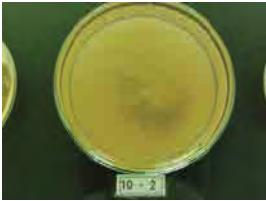
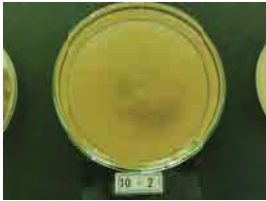
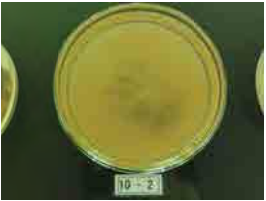

Simple Dispersive Soil Test for Natural Soil

Sample No.10-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input checked="" type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

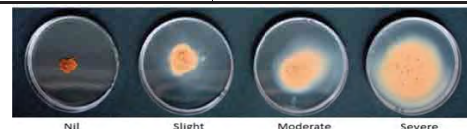
Evaluation Criteria :







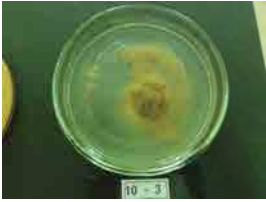




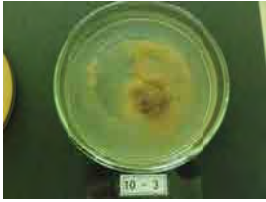


Simple Dispersive Soil Test for Natural Soil

Sample No.10-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe

Evaluation Criteria :











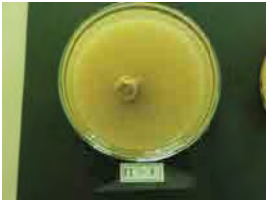
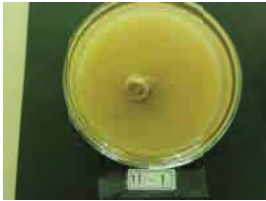


Simple Dispersive Soil Test for Natural Soil

Sample No.10-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input checked="" type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :







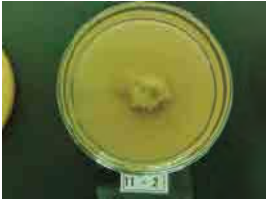

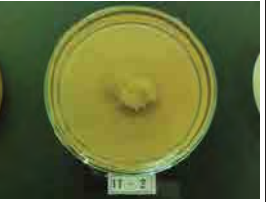
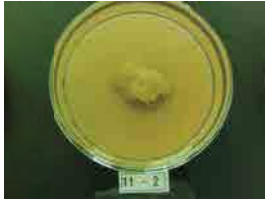
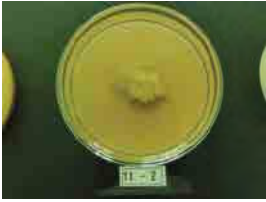

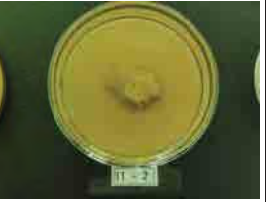
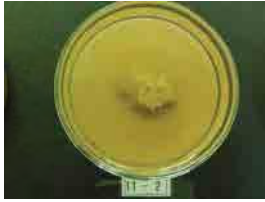
Simple Dispersive Soil Test for Natural Soil

Sample No.11-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No.11-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No.11-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.	
	40 min.	50 min.	60 min.	70 min.	
	80 min.	90 min.	100 min.	110 min.	
	120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input checked="" type="checkbox"/> : Moderate <input type="checkbox"/> : Severe			

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.12-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.	
	40 min.	50 min.	60 min.	70 min.	
	80 min.	90 min.	100 min.	110 min.	
	120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe			

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.12-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		

Evaluation Criteria :







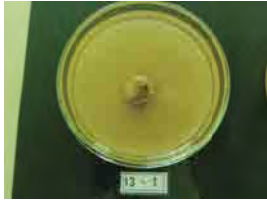








Simple Dispersive Soil Test for Natural Soil

Sample No.12-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		

Evaluation Criteria :








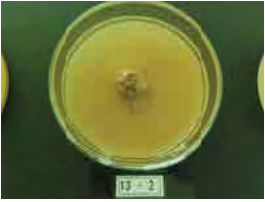


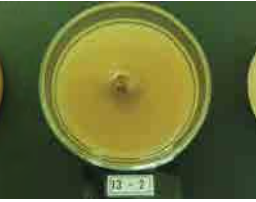
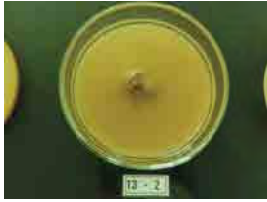


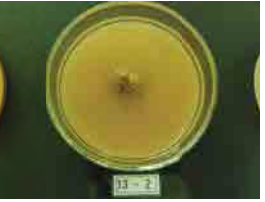
Simple Dispersive Soil Test for Natural Soil

Sample No.13-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :







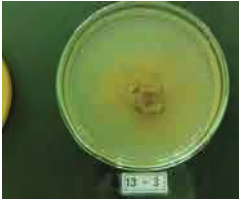







Simple Dispersive Soil Test for Natural Soil

Sample No.13-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :










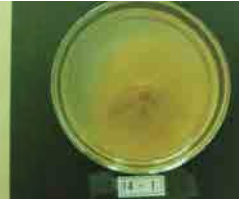

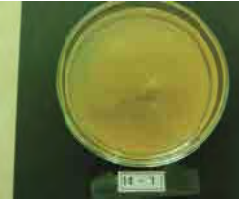

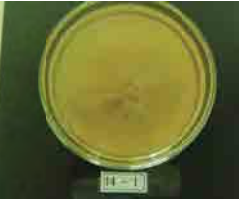
Simple Dispersive Soil Test for Natural Soil

Sample No.13-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input checked="" type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :







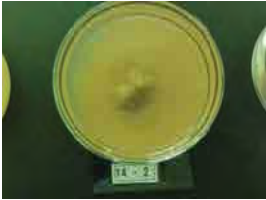
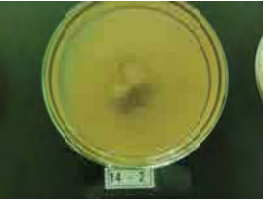
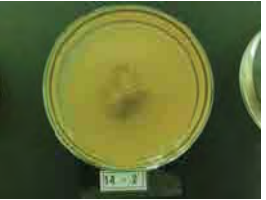
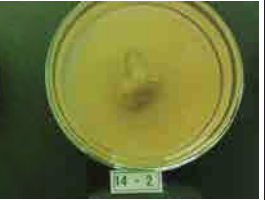
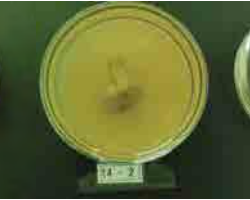

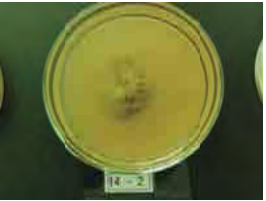


Simple Dispersive Soil Test for Natural Soil

Sample No.14-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No.14-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe		
				

Evaluation Criteria :







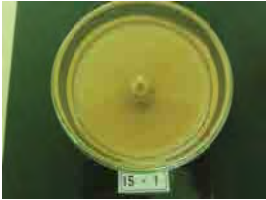
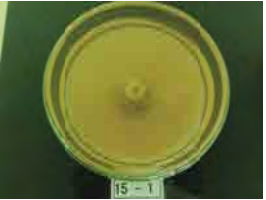
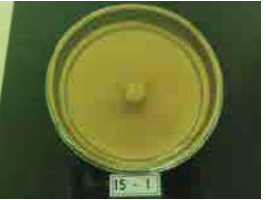

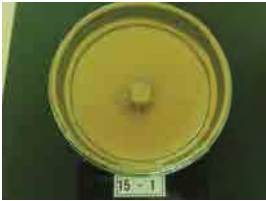
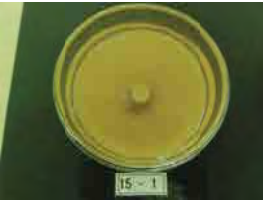
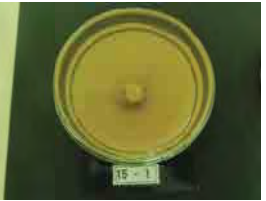
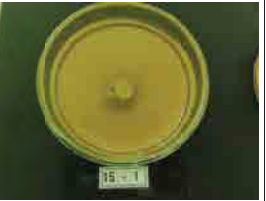
Simple Dispersive Soil Test for Natural Soil

Sample No.14-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input checked="" type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input type="checkbox"/> : Severe		
				

Evaluation Criteria :









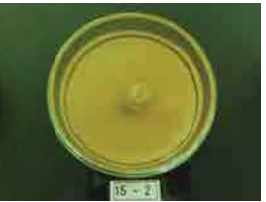





Simple Dispersive Soil Test for Natural Soil

Sample No.15-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :







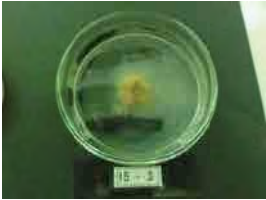
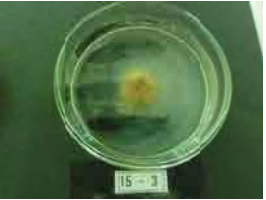

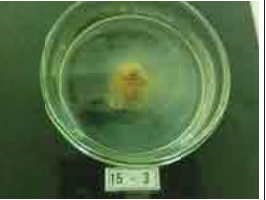
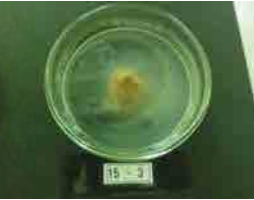

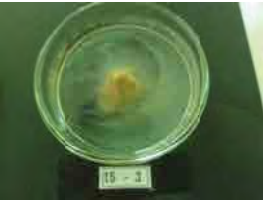


Simple Dispersive Soil Test for Natural Soil

Sample No.15-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :





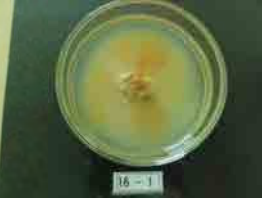






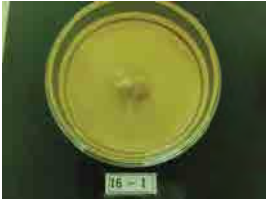
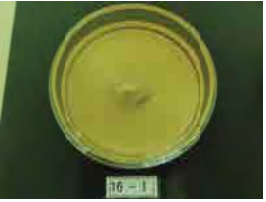


Simple Dispersive Soil Test for Natural Soil

Sample No.15-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe			
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.16-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe			
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.16-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :







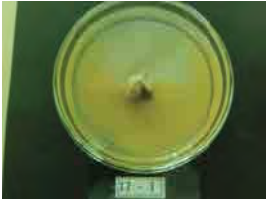
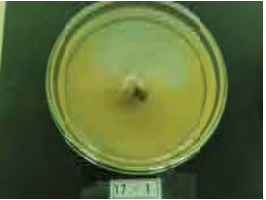
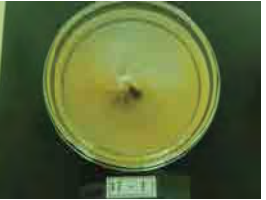
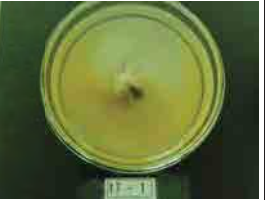

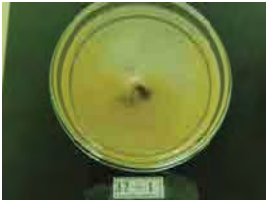
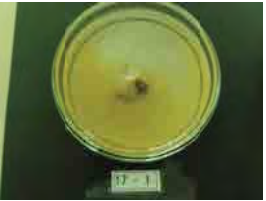


Simple Dispersive Soil Test for Natural Soil

Sample No.16-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No.17-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :








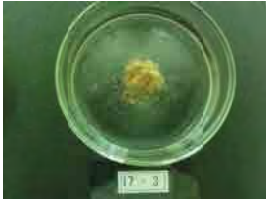
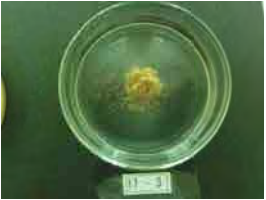





Simple Dispersive Soil Test for Natural Soil

Sample No.17-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :







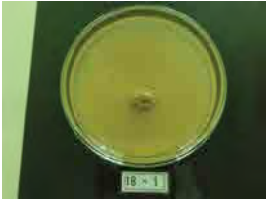


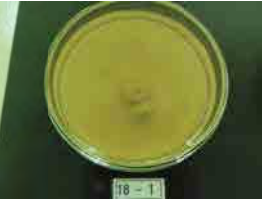
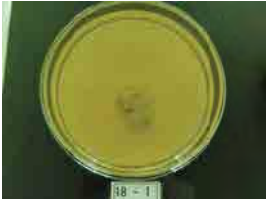


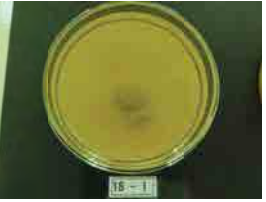
Simple Dispersive Soil Test for Natural Soil

Sample No.17-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :







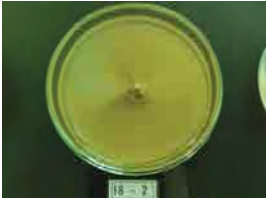







Simple Dispersive Soil Test for Natural Soil

Sample No.18-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.18-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :







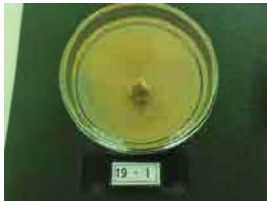


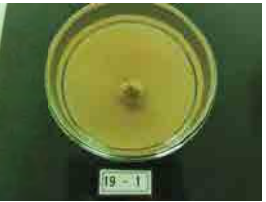


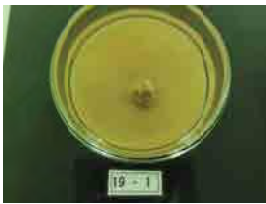


Simple Dispersive Soil Test for Natural Soil

Sample No.18-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No.19-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :







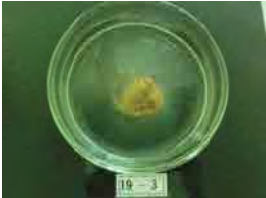
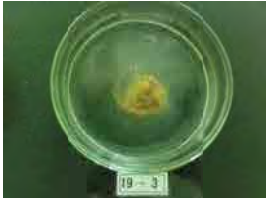
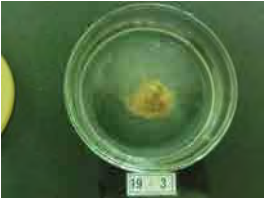





Simple Dispersive Soil Test for Natural Soil

Sample No.19-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.19-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :







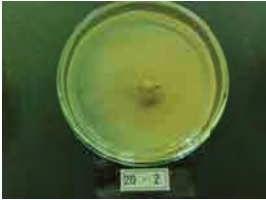


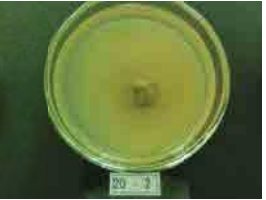
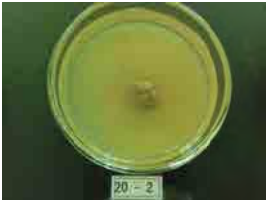
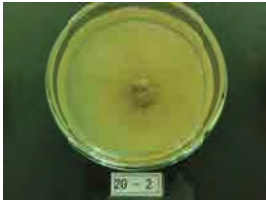


Simple Dispersive Soil Test for Natural Soil

Sample No.20-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :







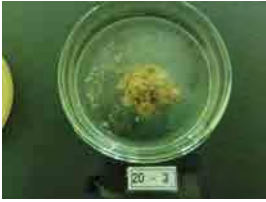







Simple Dispersive Soil Test for Natural Soil

Sample No.20-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :






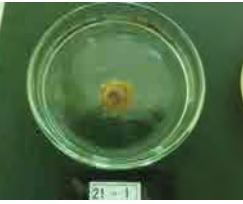








Simple Dispersive Soil Test for Natural Soil

Sample No.20-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	80 min.	90 min.	100 min.	110 min.
				
120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe			

Evaluation Criteria :











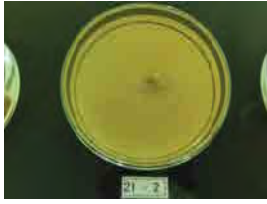



Simple Dispersive Soil Test for Natural Soil

Sample No.21-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation ■: Nil □: Slight □: Moderate □: Severe

Evaluation Criteria :



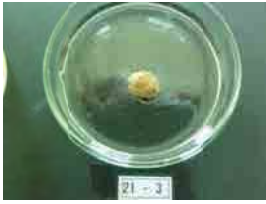

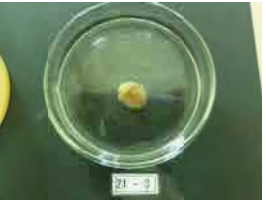

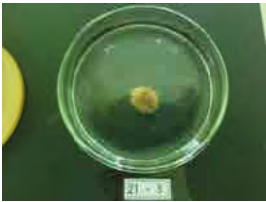







Simple Dispersive Soil Test for Natural Soil

Sample No.21-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation □: Nil □: Slight □: Moderate ■: Severe

Evaluation Criteria :









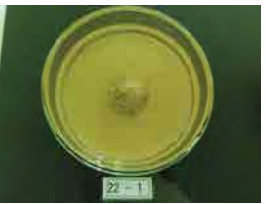





Simple Dispersive Soil Test for Natural Soil

Sample No.21-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation ■: Nil □: Slight □: Moderate □: Severe

Evaluation Criteria :







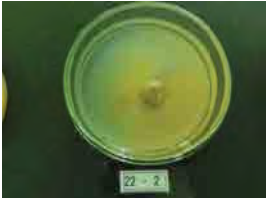
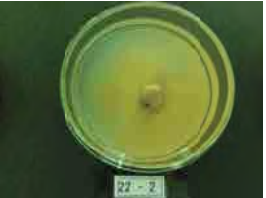






Simple Dispersive Soil Test for Natural Soil

Sample No.22-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation □: Nil □: Slight □: Moderate ■: Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.22-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :







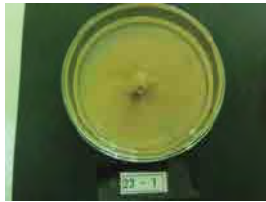

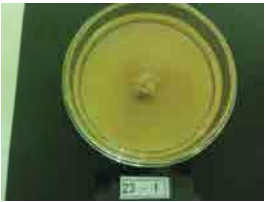
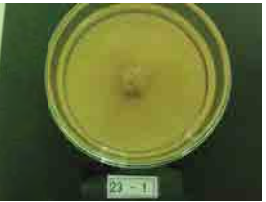

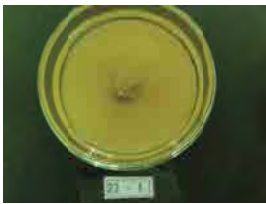


Simple Dispersive Soil Test for Natural Soil

Sample No.22-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.23-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No.23-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :
















Simple Dispersive Soil Test for Natural Soil

Sample No.23-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
40 min.	50 min.	60 min.	70 min.	80 min.
				
90 min.	100 min.	110 min.	120 min.	Evaluation <input type="checkbox"/> Nil <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe
				

Evaluation Criteria :








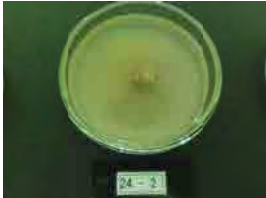






Simple Dispersive Soil Test for Natural Soil

Sample No.24-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
40 min.	50 min.	60 min.	70 min.	80 min.
				
90 min.	100 min.	110 min.	120 min.	Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe
				

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No.24-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input checked="" type="checkbox"/> : Severe

Evaluation Criteria :










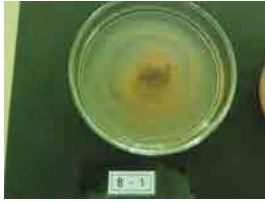




Simple Dispersive Soil Test for Natural Soil

Sample No.24-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> : Nil <input checked="" type="checkbox"/> : Slight <input type="checkbox"/> : Moderate <input type="checkbox"/> : Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. B-1 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :















Simple Dispersive Soil Test for Natural Soil

Sample No. B-2 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
	40 min.	50 min.	60 min.	70 min.
				
	90 min.	100 min.	110 min.	120 min.
				
				Evaluation <input type="checkbox"/> Nil <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe

Evaluation Criteria :



Simple Dispersive Soil Test for Natural Soil

Sample No. B-3 Date: Feb. 13, 2012 Starting Time: 14:00	0 min.	10 min.	20 min.	30 min.
				
40 min.	50 min.	60 min.	70 min.	80 min.
				
90 min.	100 min.	110 min.	120 min.	Evaluation <input type="checkbox"/> : Nil <input type="checkbox"/> : Slight <input checked="" type="checkbox"/> : Moderate <input type="checkbox"/> : Severe
				

Evaluation Criteria :

