



## Workflow 5: Calculating “Seeding” Quantities

1. Follow steps 1 through 3 in workflow 4.
2. Press the Seeding button on the XS Report dialog box. This will bring up the Seeding Report Dialog box.



Figure 10-29: Seeding Button

3. The Proposed Finish Grade elements are the same as the Clearing Report. The Candidate Seeding Element section needs the symbology of the slopes that will be seeded (typically the cut, fill, and ditch foreslope). These are the slopes that will be seeded. The Max Allowable Slope can vary on each project. This slope will be determined during the project, but for preliminary quantity calculations, you should use 1V:2H as the Max Allowable Slope.



Figure 10-30: Seeding Report Dialog

4. Pick the *Additional Distance* button to bring up the following dialog box.

Figure 10-31: Additional Distance

5. Fill in the appropriate values. They should be the same as the *Cut Slope Rounding* and *Additional clearing in fill* values used in the *Clearing Report*. Select *OK*.
6. Type in the output filename for your *Seeding Report* and then select *Apply* in the *Seeding Report Dialog Box*. *GEOPAK* will produce the following file.



04/25/2006

Project Number  
Road Name  
SEEDING REPORT

Page# 1

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NUMBER OF LEFT CUT SLOPES TO BE BYPASSED      = 0
NUMBER OF LEFT FILL SLOPES TO BE BYPASSED     = 0
NUMBER OF RIGHT CUT SLOPES TO BE BYPASSED     = 0
NUMBER OF RIGHT FILL SLOPES TO BE BYPASSED    = 0
ROUNDING DISTANCE FROM CUT SLOPE STAKE        = 10.00      Ft
MAXIMUM ALLOWABLE SLOPE FOR SEEDING/SODDING 1.0000 / 2.0000 Rise over Run
ADDITIONAL SEEDING LEFT SIDE                  = 0.00      Ft
ADDITIONAL SEEDING RIGHT SIDE                 = 0.00      Ft
ADDITIONAL SEEDING IN CUT                     = 3.00      Ft
ADDITIONAL SEEDING IN FILL                    = 3.00      Ft
SUBTOTALS EVERY 1000.0000 Ft BEGINNING AT STATION 10+00.00 METHOD INCR
SCALING FACTOR                               = 1.00000   WITH LABEL   [ SF ]
  
```

STATION	SLOPE DISTANCE		AVERAGE SLOPE DIST		A R E A		SF BOTH	SUBTOTAL LT	A R E A		SF BOTH
	LT	RT	LT	RT	LT	RT			RT		
11+00.00 R 1	20.51	16.90						0	0	0	
	( 37.41)		26.83	22.42	2683	2242	4925				
12+00.00 R 1	33.14	27.94									
	( 61.08)		33.09	22.71	3309	2271	5580				
13+00.00 R 1	33.04	17.48									
	( 50.52)		33.03	22.90	3303	2290	5593				
14+00.00 R 1	33.02	28.32									
	( 61.34)		31.25	30.40	3125	3040	6165				
15+00.00 R 1	29.48	32.48									
	( 61.96)		31.29	29.35	3129	2935	6064				
16+00.00 R 1	33.10	26.22									
	( 59.32)		33.14	28.03	3314	2803	6117				
17+00.00 R 1	33.19	29.84						18863	15581	34445	
	( 63.03)										
TOTAL	LEFT		RIGHT		BOTH						
SF=	18863.0000		15581.0000		34445.0000						
ACRES=	0.4330		0.3577		0.7907						

Figure 10-32: Seeding Report Output

**Related links:** Using Knucklehead's Guide for GEOPAK Road 2004 Edition.

[Clearing Notes](#)

[Seeding Notes](#)