SEED REQUIREMENTS

LEGUME SEED MIXES

63 55 55

20 20 20 20 15 20 20 20 20 20 20

33 | 23 | 33 | 48 | 50 | 48 | 53 | 23

30 | 50 | 50 |

August La tari.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

STATE FHWA REGION ROUTE PROJECT 1-27-94 0011-080-F05, C-502 0011-080-105, RW-202

included in the cost for overseeding.

require the establishment of grasses and / or legumes.

FERTILIZER

15 - 30 - 15 600 LBS/ACRE (0.3 Tons) or an equivalent amount of Fertilizer with a 1-2-1 Ratio.

Type I = Straw or Hay // I/ ■ Wood cellulose Fiber

SELECTION OF SEED LOCATIONS

MOTES FOR FIELD USE ONLY

Approximately 3.5 acres will be disturbed on this project and will

Supplemental seeding consists of overseeding or regular seeding as determined by the Engineer.

(Quantities of mulch, seed, fertilizer and lime are for estimating purposes only).

NOTES

† The cost of mulch is to be included in regular seeding, but is not to be

The Engineer will require the Contractor to perform supplemental seeding when less than a 90 percent uniform stand of the permanent grass specified in the mixture is obtained. (Annual species such as rye and millet are temporary seeding and require supplemental seeding).

Overseeding rates shall be 50% of the seed mixture specified and fertilizer rates shall be 33% of the rates specified.

Tall and Fine Fescue shall not be used in Loudoun, Fauquier and Rappahannock. Counties, Orchard Grass mixture shall be used for these counties.

NOTES APPLY TO SCHEDULE

Legume seed mixes (AA through NN) and Weeping Lovegrass shall not be used on shoulders and other locations to be mowed.

All rates are per acre.

 $\otimes \otimes$ From Nov.16 until January 31, Mixture T is to be used only on areas that are to be regraded or later disturbed. No Lime or Fertilizer shall be used during temporary seeding.

** Spring and Fall defined for the purpose of determining whether hulled *** or unhulled Bermuda and Sericea Lespedeza seed is required:

Spring - May I - Sept. 30 Fall - Oct. I - Apr. 30

Type I mulch to be used exclusively on newly seeded areas adjacent to all waterways, wetlands, swamps, or any area in which drainage flows toward areas under the jurisdiction of the regulatory agencies.

Type I mulch shall be tacked with wood Cellulose Fiber mulch at the rate of 750 lbs. per acre.

ALL DISTURBED AREAS AROUND STREAMS SHALL BE SEEDED AND STRAW MULCHED AS SOON AS WORK IS COMPLETED.

> Revised February 28, 1992

* Fall - Unhulled

* Spring - Hulled

** Scarified and Inoculated

Min. Ger- Weed seed

0.50

1.00

0.50

0.50

0.50

0.50

0.50

0.50

1.00

0.50

0.50

mination not to

| seed % | % | exceed %

85

85

82

85

85

85

85

85

75

pure

92

85

98

98

98

98

88

98

98

*** Spring - Hulled - Scarified and Inoculated

*** Fall - Unhulled - Inoculated

TALL FESCUE CULTIVARS (1)

FINE FESCUE CULTIVARS (7

ORCHARDGRASS (Unhulled) (5

SERICEA LESPEDEZA ***

RED TOP

KY. BLUE GRASS

BERMUDA *

FOXTAIL MILLET

CROWNVETCH **

POUNDS PER ACRE

WEEPING LOVEGRASS

CEREAL RYE

3 Varieties - Common, German, or Hungarian Millet may be substituted

(4) Varieties - Abruzzi, Balbo, Winter Wheat, Annual Rye ⑤ Virginia origin or Potomac variety (Certified Seed Required)

REGULAR SEED MIXES

10 4

6) Varieties - Penngift, Emerald, Chemung

Certified varieties of Scaldis, Spartan, Reliant, Biljart or Aurora hard fescues; Banner, Jamestown or Kohet Chewings fescues, or Azay or Bighorn Sheep's fescues are required.

(1) Certified varieties of Arid, Falcon, Mojave, Maverick, Pacer, Willamette, Jaguar, Bonanza, Chesapeake, Clemfine, or Rebel II are required.

© Certified varieties of Bayside, Columbia, Enmumdi, Escort, Georgetown, Holiday, Monopoly, Ram 1, Touchdown, or Victa are required. Three of the listed varieties required in equal amounts.

10

45 45 45

All seeds shall conform to the requirements specified herein and all other contract documents. Hard seeds in legumes shall not exceed 35% in Crownvetch and Sericea Lespedeza

50 25 15 30

ROADSIDE DEVELOPMENT SUMMARY											
PROJECT NUMBERS	TOPSOIL 2" CLASS SEED A B SEED		OVER SEEDING	LEGUME SEED	LEGUME OVER SEEDING	LIME 2 TONS PER ACRE	FERT. 15 - 30 - 15		MULCH 2 TONS PER ACRE		
	ACRES	LBS.	LBS.	LBS.	LBS.	TONS	TONS		TONS		
0011-080-F05,C502		474	237			14	6		7.0		
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					a kalifu sa mujulu pulanismin da da y jarl ako-kiu sidiga kajin Andron bibanika par Kalifu kalifu sa kajin kajin da da kajin da 						

	SEEDING	DURING	CONSTRUC	CTION					
DATES From - To	SEEDING LOCATIONS	SEED MIXTURE	MULCH TYPE	REMARKS A					
Feb.l - April 30	a - Steeper than 4:1	С	I or II						
	b - 4:1 and Flatter	C	IorI	Supplemental seeding, etc.					
	c - Lawn, utility strips, curb and gutter								
	a - Steeper than 4:1	C	I						
May 1 - July 31	b - 4:1 and Flatter	C	I						
May I - July 31	c - Lawn, utility strips, curb and gutter	·	I	Supplemental seeding, etc. as directed by the Engr.					
August I - Sept. 30	a - Steeper than 4:1	С	I or II						
	b - 4:1 and Flatter	C	IorI	Supplemental seeding, etc.					
	c - Lawn,utility strips, curb and gutter	J	IorI	as directed by the Engineer.					
Oct. 1 - Nov. 15	a - Steeper than 4:1	C	I						
	b - 4:1 and Flatter	C	I	Supplemental seeding, etc.					
	c - Lawn, utility strips, curb and gutter	7	L	as directed by the Engineer.					
⊗⊗ Nov. 16 - Jan. 31	a - Steeper than 4:1	C	I	Use three tons mulch per acre. Overseed with Mix					
	b - 4:1 and Flatter	C	I,	Supplemental Seeding, etc.					
	c - Lawn,utility strips, curb and gutter	J	I	As directed by the Engineer.					

SCHEDULE ALL DISTRICTS

EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT SUMMARY

PROJECT	SLOPE DRAINS		DEWATERING BASIN	SILT ATION CONTROL EXCAVATION	TEMPORARY FILTER BARRIER	FILTER CLOTH DRAIN FABRIC TYPE I	CONSTR. ENTRANCE	TEMP. SILT FENCE	CHECK DAM TY.I	CHECK DAM TY. II	PROTECTIVE COVERING EC-2	SOIL STAB. MAT EC-3 TYPE B	DRY RIPRAP CL. A I	•		
	EACH	C.Y.	EACH	C.Y.	LF.	S.Y.	NUMBER 🛆	L.F.	EACH	EACH	S.Y.	S.Y.	TONS			
011-080-F05,C502	₹		2	2060	2820			2190	/ .	21	1204	1000	48			

A NOT A PAY ITEM. COST TO BE INCLUDED IN OTHER PAY ITEMS.