



JNU RSA Improvements (E09-186)

Field Order

To: Alaska Interstate Construction
Attn: Mr. Dennis Falldorf
Field Order # 12
From: Edwin Johnson
Date: May 5, 2010
Re: Seed Mixture and Application Area

Specification Section: T-901 T-950 Paragraph: T-950-2.13 Drawing Reference: Detail:

Description:

This Field Order is in response to your letter, dated April 14, 2010, stating that one of the specified seeds for this Project is unavailable. In researching this issue, it was realized that the single seed mixture specified for this project was not appropriate for many of the locations to be seeded.

Three seed mixes have been defined for this project. The seed mix and seed application rate for each general area has been defined on the attached sheet labeled, Revised Grass Mix Analysis 3-May-10.

Areas within the Project limits to be seeded have been listed, below. The type of seed mix has been designated for each area. Please seed each area as described, below:

- Duck Creek Flood Plain: TIDAL
Duck Creek Stream Banks: UPLANDS
West End Fill Area below el 20': TIDAL
West End Fill Area above el 20': UPLANDS
NW Development Area Grassy Swale: MOWED
Area between EVAR Trail and Perimeter Fence: UPLANDS
Area between Float Pond Access Road and Perimeter Fence: MOWED
Ditch on East side of Float Pond Access Road: MOWED
North side of Float Pond Road (South of R/way): MOWED
Downhill side of Float Pond Road (where applicable): UPLANDS
West side of Float Pond Road (West end of Float Pond): UPLANDS
Areas of Muck Excavation at Duck Creek: TIDAL
Areas of Muck Excavation at Slough Relocations: TIDAL
ASOS Pad slopes: TIDAL
NE Development Area Ditch Bottom: TIDAL
NE Development Area Ditch Slopes: MOWED

Please note that if AIC proposes the use of wood chips along the perimeter fence line (which is favorable to JNU) the seeding area will be reduced.

Received by: _____

Attachments

Signed by: JoAnn Quigg

Date: 5/5/10

Copies: [X] Owner [] A/E [X] Contractor [X] Consultants [] Other [] File

**Juneau International Airport
Runway Safety Area Improvements**

Revised Grass Mix Analysis



3-May-10

Grass Mix/Grass Species	Cost per Pound	Percentage of Plant Species	Seeds per Pound	Seeding Rate (pounds per acre)	Area (acres) of Coverage	Pounds of Seed	Cost per Grass Species	Total Cost Per Mix
Tidal Areas <20' elev (15 acres)								
Leymus mollis 'Reeve' - Reeve Beach Wildrye	\$12.78	100.0%	33,000	40	15	600.0	\$7,668.00	\$7,668.00
Uplands Area >20' elev (9 acres)								
Deschampsia caespitosa -Nortran Tufted Hairgrass	\$12.24	40.0%	1,500,000	30	9	108.0	\$1,321.92	
Puccinellia nutkaensis - Alkaligrass	\$3.85	35.0%	1,300,000	30	9	94.5	\$363.83	
Hordeum brachyantherum - Meadow Barley	\$13.40	8.0%	125,000	40	9	28.8	\$385.92	
Leymus mollis 'Reeve' - Reeve Beach Wildrye	\$12.78	5.0%	33,000	30	9	13.5	\$172.53	
Lupinus nootkatensis - Nootka lupine	\$25.66	5.0%	16,000	3	9	1.4	\$34.64	
Achillea millefolium var. borealis - Yarrow	\$27.30	5.0%	1,700,000	1	9	0.5	\$12.29	
Calamagrostis canadensis -Sourdoough Bluejoint Reedgrass	\$87.00	2.00%	3,700,000	10	9	1.8	\$156.60	\$2,447.72
Mowed Areas (3 acres)								
Festuca rubra 'Arctared' - Red Fescue	\$1.28	90.0%	245,000	153	3	413.1	\$528.77	
Lolium multiflorum - Annual Rye	\$0.53	10.0%	225,000	153	3	45.9	\$24.33	\$553.10
		100.0%				459.0		
Revised Seed Mix	\$6.86			165	84	1555.8		\$10,668.82
Original Specified Seed Mix	\$10.68			165	27	4455.0		\$47,579.40

NOTE: Areas of coverage are approximate only and it is the contractor's responsibility to verify all quantities to complete the Work as shown on the drawings and specifications and per field order number 12.