

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

D-701a(1) CPP Smooth Interior Pipe, 12 inch

From Station, Offset	To Station, Offset	Length
NORTH SEAPLANE BASE ROAD		733 LF
SOUTH SEAPLANE BASE ROAD		057 LF
		000 LF

Total Length: 735 LF

Total Length Additive Alternate: 060 LF

Subsidiary Items

- 0 Culvert Marker Posts
- 0 Flared End Sections
- 25 CY Class B Bedding Material

Length of Pipe: 795 LF
Diameter of Pipe: 1.00 ft
1/2 the circumference 1.57 ft
Depth of Bedding Below Pipe: 0.50 ft
Area of Bedding: 0.79 ft²
Volume of Bedding: 624 ft³
add 10%
Volume = 687 ft³

Assumed volume of bedding =
length of pipe x 1/2 the circumference of pipe x 0.5 feet x 1.1

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CBJ Contract No. E12-240/AIP 3-02-0133-056-2012

Date Prepared:
5/21/2012

Quantity Estimate

L-100b Regulator, L-829

Description	Each
L-829 - Constant Current Regulator (30KW)	9

Total Basic Bid : 9

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Date Prepared:
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Quantity Estimate

L-100c High Intensity Runway Edge Light, L-862

Description	Each
New Light	5
New Lens	5

Total Basic Bid : 10

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Date Prepared:
5/18/2012

Quantity Estimate

L-100e Taxiway Edge Light, L-861T

Location	Each
Taxiway A	28
Taxiway B	26
Taxiway E	19
Taxiway G	27

Total Basic Bid : **100**

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Date Prepared:
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Quantity Estimate

L-100f Wind Cone Handhole, L-867, Size D

Location	Each
RWY 08 Windcone HH	1
RWY 26 Windcone HH	1

Total Basic Bid : 2

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Date Prepared:
5/18/2012

Quantity Estimate

L-100g Primary Handhole, L-868, Size B

Location	Each
Taxiway Circuit NO. 4	9
Wind Cone Circuit	9
Taxiway Circuit NO. 5	15
Surface Sensor Circuit	12

Total Basic Bid : 45

Prepared by: CHP Date: 5/18/12 Checked by: Virginia Speschel Date: 5/18/12

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Date Prepared:
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Quantity Estimate

L-100i Flush Runway Centerline Light, L-850A

Description	Each
New Light	11
New Lens	14

Total Basic Bid : 25

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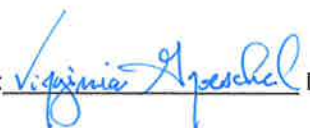
Date Prepared:
5/18/2012

Quantity Estimate

L-100k Flush Runway Edge and Threshold Light, L-850C or L-850D

Description	Each
New Light	18
New Lens	1

Total Basic Bid : 19

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Date Prepared:
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Quantity Estimate

L-100m Complete Runway Guard Lighting System (Alternate bid item)

Description	Each	Length
Elevated Guard Lights (2 per Taxiway for 6 Taxiways)	12	
Taxiway B Flush Guard Lights	11	
Taxiway C Flush Guard Lights	27	
Taxiway D Flush Guard Lights	6	
Taxiway E Flush Guard Lights	9	
Taxiway F Flush Guard Lights	7	
Taxiway G Flush Guard Lights	24	
Hand Holes	14	
HDPE Conduit		9800
GRS Conduit		1200
Cable		23000

Total Basic Bid Additive Alternate: N/A

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Date Prepared:
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Quantity Estimate

L-100n Airport Sign, Type L-858

Location	Each
Taxiway B intersection	4
Taxiway E intersection	7
Taxiway G intersection	4
Distance Remaining signs	7

Total Basic Bid : 22

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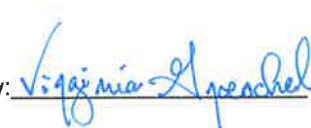
Date Prepared:
5/18/2012

Quantity Estimate

L-100r Temporary Runway Lighting System

Description	Each
Runway Threshold lights	24
Runway Threshold lenses	8
Runway Edge Light lenses	22
Runway Edge Light covers	4
Centerline Light lenses	25
All other work required	All Reqd.

Total Basic Bid : 83

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Quantity Estimate

L-100ap Spare Parts

Description	Each
N/A	N/A

Total Basic Bid : N/A

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Quantity Estimate

L-107a L-806 8-foot Lighted Wind Cone

Location	Each
Runway 26 Windcone	1

Total Basic Bid : 1

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Quantity Estimate

L-107b L-807 12-foot Lighted Wind Cone

Location	Each
Runway 08 Windcone	1

Total Basic Bid : 1

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Date Prepared:
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Quantity Estimate

L-107c Remove Existing Wind Cones

Location	Each
Runway 08 Windcone	1

Total Basic Bid : 1

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Quantity Estimate

L-108a Underground Cable 6 AWG, copper, 5 kV FAA type "B" L-824

Location	Length
West of Taxiway E	12000 ft
At Taxiway E	9000 ft
East of Taxiway E	13000 ft

Total Basic Bid : 34000

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Quantity Estimate

L-108c No. 8 XHHW, 600V, Copper Conductor (Ground and Wind Cone Power)

Location	Length
Throughout Airfield	38000 ft

Total Basic Bid : 38000

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Quantity Estimate

L-109b Prefabricated Metal Housing and Foundation in Place

Description	Length
Concrete Pad	360 SF
Shelter: 10ft x 30ft w/ Equipment	1 EA

Total Basic Bid : N/A

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Quantity Estimate

L-110a 2-1/8 inch Rigid Steel Conduit

Location	Length
Throughout Airfield	3200 ft

Total Basic Bid : 3200

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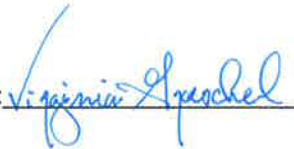
Date Prepared:
5/21/2012

Quantity Estimate

L-110b 3-inch Rigid Steel Conduit

Location	Description	Length
	Trenching, Excavation, & Backfill	250 CY
C-5 to 7	Concrete Encased Duct - 3 inch: 3 ducts	280 LF

Total Basic Bid : **N/A**

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Date Prepared:
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Quantity Estimate

L-110d 3-inch PVC Conduit

Location	Description	Length
	Trenching, Excavation, & Backfill	850 CY
DEB-5 to 7	Direct Earth Burial Duct - 3 inch: 3 ducts	100 LF
DEB-7 to 10	Direct Earth Burial Duct - 3 inch: 4 ducts	860 LF
DEB-10 to 11	Direct Earth Burial Duct - 3 inch: 4 ducts	810 LF
DEB-11 to 12	Direct Earth Burial Duct - 3 inch: 4 ducts	990 LF
DEB-12 to 13	Direct Earth Burial Duct - 3 inch: 6 ducts	850 LF
DEB-13 to 14	Direct Earth Burial Duct - 3 inch: 8 ducts	420 LF
DEB-14 to 15	Direct Earth Burial Duct - 3 inch: 10 ducts	000 LF
DEB-15 to Vault	Direct Earth Burial Duct - 3 inch: 10 ducts	000 LF
TWY C1	Bored Pipe Enclosed Duct - 3 inch: 6 ducts	200 LF
TWY D1	Bored Pipe Enclosed Duct - 3 inch: 6 ducts	120 LF
TWY D2	Bored Pipe Enclosed Duct - 3 inch: 6 ducts	110 LF
TWY E1	Bored Pipe Enclosed Duct - 3 inch: 8 ducts	180 LF
M	Manhole - 5.5 ft x 5.5 ft x 7.5 ft	6 EA

Total Basic Bid :

N/A

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Quantity Estimate

L-110g 2-inch PE Conduit

Location	Length
Throughout Airfield	15500 ft

Total Basic Bid : 15500

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Date Prepared:
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Quantity Estimate

L-127a Airfield Lighting Controls and Monitoring System

Description	Length
Fiber Optic Cable - 8 strand	17,000 LF
Vault Equipment	1 EA
ATC Equipment	1 EA
AFSS Equipment	1 EA

Total Basic Bid : N/A

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Quantity Estimate

L-130a Surface Sensor System

Description	Each	Length
System Equipment	All Required	
Hand Holes	15	
2" HDPE Conduit		5800 ft
2" GRS Conduit		1000 ft
Cable		All Required

Total Basic Bid Additive Alternate: N/A

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5/18/2012

Quantity Estimate

L-132a RWY 08 MALSR Light Bases, Conduit, and Handholes

Description	Each	Length
Threshold Bar	All Required	
200' Bar	All Required	
400' Bar	All Required	
600' Bar	All Required	
4'x4'x4' Vaults	7	
4" HDPE Conduit		4100 ft
2" HDPE Conduit		250 ft
2" GRS Conduit		550 ft
Other Work Shown on Plans	All Required	

Total Basic Bid : N/A

Prepared by: *[Signature]* Date: 5/18/12 Checked by: *[Signature]* Date: 5/18/12

Prepared By:
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Date Prepared:
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Quantity Estimate

L-132b RWY 08 VASI, RVR, JAWS Conduit, Handholes

Description	Each	Length
4'x4'x4' Vaults	8	
4" HDPE Conduit		2600 ft
4" GRS Conduit		800 ft
Other Work Shown on Plans	All Required	

Total Basic Bid : N/A

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Date Prepared:
5/18/2012

Quantity Estimate

L-132d RWY 26 FAA PAPI Conduit, and Handholes

Description	Each	Length
4'x4'x4' Hand Holes	15	
4" PVC Conduit (Comm)		8000 ft
4" PVC Conduit (Power)		3400 ft
Other Work Shown on Plans	All Required	

Total Basic Bid :

N/A

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Quantity Estimate

L-132e RWY 26 JAWS Conduit, and Handholes

Description	Each	Length
4'x4'x4' Hand Holes (EXTG to new JAWS)	4	
4" PVC Conduit (EXTG to new JAWS)		2600 ft
No. 2/0 wire		7800 ft
No. 6 wire		2600 ft
25 Pair No. 18 cable		1300 ft
Equipment Stands	All Required	
Foundations	All Required	
Other Work Shown on Plans	All Required	
4" PVC Conduit (New JAWS to 26 MALSR Building)		3400 ft
4'x4'x4' Hand Holes (New JAWS to 26 MALSR Building)	9	

Total Basic Bid : N/A

Prepared by: CUS Date: 5/18/12 Checked by: Virginia Spershel Date: 5/18/12

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Quantity Estimate

L-145a Standby Generator and Enclosure

Description	Length
Concrete Pad	360 SF
Shelter: 10ft x 30ft w/ Equipment	1 EA
Generator 230 KW	1 EA
Switchgear & Distribution	1 EA

Total Basic Bid : **N/A**

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Quantity Estimate

P-152a Unclassified Excavation

WORK AREA	P-152a UNCLASSIFIED EXCAVATION (CY)	ESTIMATED SUITABLE MATERIAL (TO BE USED AS EMBANKMENT) (CY)
WEST END IMPROVEMENT		
NW DEVELOPMENT AREA ¹	3,091	3,091
SUBTOTAL	3,091	3,091
RUNWAY AND TAXIWAY IMPROVEMENTS		
RUNWAY 8 RUNWAY RELOCATION	0	0
TAXIWAY B RELOCATION ²	1,565	1,174
TAXIWAY E REALIGNMENT ²	4,789	3,592
RUNWAY 26 RUNWAY EXTENSION &BP ³	13,471	10,663
TAXIWAY G RELOCATION ³	17,917	15,402
RUNWAY 26 MALSR PAD ³	40	22
SUBTOTAL	37,782	30,852
RSA SURFACING		
RUNWAY 8 END ¹	1,305	1,305
RUNWAY 26 END ³	8,102	1,929
LATERAL RSA ¹	2,237	2,237
SUBTOTAL	11,644	5,471
SEAPLANE BASE ACCESS ROADS		
NORTH SEAPLANE BASE ROAD ²	4,922	3,692
EAST SEAPLANE BASE ROAD ²	488	366
SUBTOTAL	5,410	4,058
TOTAL	58,000	43,500

ADDITIVE ALTERNATE		
SOUTH SBP & WEST FINGER ROADS	823	617
TOTAL	850	650

*IN RUNWAY AND TAXIWAY AREA IMPROVEMENTS, THE FOLLOWING EXCAVATION DEPTHS WERE ASSUMED:


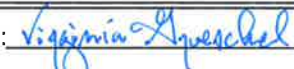
- 40" AVERAGE RUNWAY 26 EXTENSION
- 40" AVERAGE TAXIWAY G RELOCATION

*ASSUMPTION: IN AREAS OTHER THAN NW DEVELOPMENT IT IS ASSUMED THAT:

- ¹ 100% OF EXCAVATION WILL BE SUITABLE
- ² 75% OF EXCAVATION WILL BE SUITABLE / 25 % WILL BE UNSUITABLE
- ³ 6" OF UNSUITABLE TOPSOIL WILL BE REMOVED DURING EXCAVATION

Total Basic Bid P-152a Unclassified Excavation: 58,000 CY

Total Basic Bid P-152a Unclassified Excavation Additive Alternate: 850 CY

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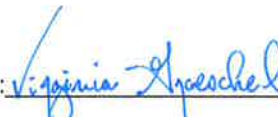
Quantity Estimate

P-152aj Mendenhall Thumb Removal

	Area:	Depth:	Volume:	Volume:
MENDENHALL THUMB REMOVAL				
THUMB	9,160 SF	14.5 FT	132,820 CF	4919
THUMB SIDE SLOPES	8000 in	8.5 FT	34,000 CF	1259
THUMB SIDE RIVER BOTTOM	8000 in	6.5 in	52,000 CF	1926
SUBTOTAL				8104
TOTAL				8104

Total Basic Bid Subbase Volume: 8,104 CY

Total Basic Bid : 8,150 CY

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Quantity Estimate

P-152ag Ditch Linear Grading

Location	Length
EAST SEAPLANE BASE ROAD	150 ft
NORTH SEAPLANE BASE ROAD	0 ft

Total Basic Bid : 150 FT

Prepared by:  Date: 5/16/12 Checked by:  Date: 5/18/12

Quantity Estimate

P-154b Subbase Course

Subbase Area: Subbase Depth: Subbase Volume: Subbase Volume:


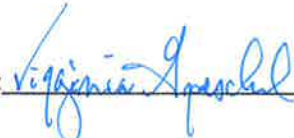
WEST END IMPROVEMENT				
NW DEVELOPMENT AREA	455,627	0 in	0	0
SUBTOTAL				0
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	18 in	0	0
TAXIWAY B RELOCATION	22,860	18 in	34,290	1,270
TAXIWAY E REALIGNMENT	56,221	0 in	0	0
RUNWAY 26 RUNWAY EXTENSION	116,644	18 in	174,966	6,480
RUNWAY 26 BLAST PAD	35,000	0 in	0	0
TAXIWAY G RELOCATION	135,804	18 in	203,706	7,545
RUNWAY 26 MALSR PAD	1,000	0 in	0	0
SUBTOTAL				15294.9
RSA SURFACING				
RUNWAY 8 END	186,060	0 in	0	0
RUNWAY 26 END	333,370	0 in	0	0
LATERAL RSA	528,900	0 in	0	0
SUBTOTAL				0.0
FLOAT SEAPLANE BASE ROADS				
NORTH FLOAT POND ROAD	0	0 in	0	0
EAST SEAPLANE BASE ROAD	0	0 in	0	0
SUBTOTAL				0.0
THUMB REMOVAL				
SLOPE STABILIZATION	11,375	12 in	11375	421
SUBTOTAL				421.3
TOTAL				15716.2

ADDITIVE ALTERNATE				
S FLOAT SPB & WEST FINGER RDS	0	0 in	0	0
TOTAL				0.0

Total Basic Bid Subbase Volume: 15,716 CY

 Convert to Tons (assume 2 tons/CY) 31,432 tons
Total Basic Bid : 31,450 tons

Total Basic Bid Additive Alternate: 000 tons

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Quantity Estimate

P-160a Excavation of Pavement (AC)

Demo Pavement Areas

RUNWAY AND TAXIWAY IMPROVEMENTS	SF	SY
TAXIWAY B RELOCATION	85066	9452
TAXIWAY E REALIGNMENT	45904	5100
RUNWAY 26 RUNWAY EXTENSION AND G RELOC	64437	7160
WEST END		
North Seaplane Base Road	123840	13760

Total Basic Bid : 35,475 SY

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Quantity Estimate

P-161b Recycled Asphalt Pavement

Pavement Placement Areas

WEST END		
SOUTH & WEST SEAPLANE BASE RD	58,814 CF	2178
STAGING AREA	167 CF	6

Total Basic Bid Additive Alternate: 2,190 CY

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Quantity Estimate

P-165a Removal of Structures

Items to be removed and disposed of:

Items	Unit	Quantity
Culvert Pipe	LF	733
Trash Rack/Headwall	EA	6

* All quantities are approximate. No further payment will be made for additional items removed during construction

Prepared by:  Date: 5/15/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-185a(4) Primary Armor Stone, Class C (1.05 ton)

Location	Type	Length	Average Area	Volume		Estimated Tons per CY	Tons
Mendenhall Thumb	I	275 ft	132 SF	36300 ft ³	1344 CY	2	2,689 tons
	I	0 ft	000 SF	0 ft ³	0 CY	2	000 tons

Total Basic Bid :

1,344 CY

2,700 tons

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Quantity Estimate

P-208c Crushed Aggregate Surface Course

	CABC Area:	CABC Depth:	CABC Volume:	CABC Volume:
WEST END IMPROVEMENT				
NW DEVELOPMENT AREA	455,627	0 in	0	0
SUBTOTAL				0
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	0 in	0	0
TAXIWAY B RELOCATION	22,860	0 in	0	0
TAXIWAY E REALIGNMENT	56,221	0 in	0	0
RUNWAY 26 RUNWAY EXTENSION	151,644	0 in	0	0
TAXIWAY G RELOCATION	135,804	0 in	0	0
RUNWAY 26 MALSR PAD	1,000	0 in	0	0
SUBTOTAL				0
RSA SURFACING				
RUNWAY 8 END	186,060	0 in	0	0
RUNWAY 26 END	333,370	0 in	0	0
LATERAL RSA	528,900	0 in	0	0
SUBTOTAL				0
SEAPLANE BASE ACCESS ROADS				
NORTH SEAPLANE BASE ROAD	212350	0 in	0	0
EAST SEAPLANE BASE ROAD	17320	0 in	0	0
SUBTOTAL				0.0
TOTAL				0

Additive Alternate				
SOUTH SPB & WEST FINGER ROADS	5400	6 in	2700	100
TOTAL				100.0

*IT WAS ASSUMED THAT CASC WILL BE USED ON THE WEST FINGER ROAD ONCE THE QUANTITY OF RAP IS DEPLETED.

Total Basic Bid: 000 CY

000 tons *+8%

Total Basic Bid Additive Alternate: 100 CY

216 tons *+8%

Total Basic Bid CABC Volume: 000 tons

Total Basic Bid CABC Volume Additive Alternate: 250 tons

Prepared by: L. West Date: 5/21/12 Checked by: Virginia Sperschel Date: 5/21/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/21/2012

Quantity Estimate


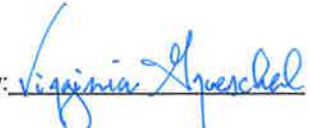
P-209a Crushed Aggregate Base Course

	CABC Area:	CABC Depth:	CABC Volume:	CABC Volume:
WEST END IMPROVEMENT				
NW DEVELOPMENT AREA	455,627	0 in	0	0
SUBTOTAL				0
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	0 in	0	0
TAXIWAY B RELOCATION	22,860	18 in	34,290	1270
TAXIWAY E REALIGNMENT	56,221	18 in	84,332	3123
RUNWAY 26 RUNWAY EXTENSION	116,644	18 in	174,966	6480
RUNWAY 26 BLAST PAD	35,000	0 in	0	0
TAXIWAY G RELOCATION	135,804	18 in	203,706	7545
RUNWAY 26 MALSR PAD	1,000	18 in	1,500	56
SUBTOTAL				18473.8
RSA SURFACING				
RUNWAY 8 END	186,060	0 in	0	0
RUNWAY 26 END	333,370	0 in	0	0
LATERAL RSA	528,900	0 in	0	0
SUBTOTAL				0
SEAPLANE BASE ROADS				
NORTH SEAPLANE BASE ROAD	-	-	-	160
EAST SEAPLANE BASE ROAD	-	-	-	16
SUBTOTAL				176.0
TOTAL				18650

Additive Alternate				
S FLOAT SPB & WEST FINGER RDS	0	0 in	0	
TOTAL				0.0

Total Basic Bid : 18,650 CY

Total Basic Bid CABC Volume: 18,700 CY

Prepared by:  Date: 5/21/12 Checked by:  Date: 5/21/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/21/2012

Quantity Estimate

P-209c 2-inch Minus Shot Rock with Base Course

	CABC Area:	CABC Depth:	CABC Volume:	CABC Volume:
WEST END IMPROVEMENT				
NW DEVELOPMENT AREA	455,627	0 in	0	0
MALSR 8 PAD	5110	0 in	0	0
MALSR 8 ACCESS ROAD	5050	0 in	0	0
SUBTOTAL				0
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	0 in	0	0
TAXIWAY B RELOCATION	107,926	0 in	0	0
TAXIWAY E REALIGNMENT	56,221	0 in	0	0
RUNWAY 26 RUNWAY EXTENSION	116,644	0 in	0	0
RUNWAY 26 BLAST PAD	35,000	0 in	0	0
TAXIWAY G RELOCATION	135,804	0 in	0	0
RUNWAY 26 MALSR PAD	1,000	0 in	0	0
SUBTOTAL				0.0
RSA SURFACING				
RUNWAY 8 END	186,060	0 in	0	0
RUNWAY 26 END	333,370	0 in	0	0
LATERAL RSA	528,900	0 in	0	0
SUBTOTAL				0
SEAPLANE BASE ACCESS ROADS				
NORTH SEAPLANE BASE ROAD	212350	6 in	106175	3932
EAST SEAPLANE BASE ROAD	17320	6 in	8660	321
SUBTOTAL				4253.1
TOTAL				4253

Additive Alternate				
SOUTH SPB & WEST FINGER ROADS	-	-	-	-
TOTAL				0.0

Total Basic Bid : 4,253 CY

Total Basic Bid CABC Volume: 4,300 CY

Prepared by:  Date: 5/21/12 Checked by:  Date: 5/21/12

Quantity Estimate

P-209d 2-inch Minus Shot Rock

	CABC Area:	CABC Depth:	CABC Volume:	CABC Volume:
WEST END IMPROVEMENT				
NW DEVELOPMENT	455,627	4 in	151876	5625
MALSR 8 PAD	5110	9 in	3833	142
MALSR 8 ACCESS ROAD	5050	9 in	3788	140
SUBTOTAL				5907
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	0 in	0	0
TAXIWAY B RELOCATION	107,926	0 in	0	0
TAXIWAY B SHOULDER	13,900	9 in	10425	386
TAXIWAY E REALIGNMENT	56,221	0 in	0	0
TAXIWAY E SHOULDER	15,554	9 in	11665	432
RUNWAY 26 RUNWAY EXTENSION	116,644	0 in	0	0
RUNWAY 26 RUNWAY SHOULDER	39,648	9 in	29736	1101
RUNWAY 26 BLAST PAD	35,000	9 in	26250	972
TAXIWAY G RELOCATION	135,804	0 in	0	0
TAXIWAY G SHOULDER	12,939	9 in	9704	359
RUNWAY 26 MALSR PAD	1,000	0 in	0	0
SUBTOTAL				3251.1
RSA SURFACING				
RUNWAY 8 END	186,060	9 in	139545	5168
RUNWAY 26 END	333,370	9 in	250027.5	9260
LATERAL RSA	528,900	9 in	396675	14692
SUBTOTAL				29120
SEAPLANE BASE ACCESS ROADS				
NORTH SEAPLANE BASE ROAD	-	-	-	600
EAST SEAPLANE BASE ROAD	-	-	-	35
SUBTOTAL				635.0
TOTAL				38914

Additive Alternate				
SOUTH SPB & WEST FINGER ROADS	-	-	-	433
TOTAL				433.0

Total Basic Bid : 38,914 CY

Total Basic Bid Additive Alternate: 433 CY

Total Basic Bid CABC Volume: 39,000 CY

Total Basic Bid CABC Volume Additive Alternate: 450 CY

Prepared by: *C. Mitt* Date: 5/21/12 Checked by: *Virginia Spasichal* Date: 5/21/12

Quantity Estimate

P-401a Hot Mix Asphalt Type II, Class B

	HMA Area:	HMA Depth:	HMA Volume:	HMA Volume:
WEST END IMPROVEMENT				
NW DEVELOPMENT AREA	455,627	0.0 in	0	0
MALSR 8 PAD	5110	0.0 in	0	0
MALSR 8 ACCESS ROAD	5050	0.0 in	0	0
SUBTOTAL				0
RUNWAY AND TAXIWAY IMPROVEMENTS				
RUNWAY 8 RUNWAY RELOCATION	0	4 in	0	0
TAXIWAY B RELOCATION	107,926	4 in	35,975	1332
TAXIWAY E REALIGNMENT	56,221	4 in	18,740	694
RUNWAY 26 RUNWAY EXTENSION & BP	151,644	4 in	50,548	1872
TAXIWAY G RELOCATION	135,804	4 in	45,268	1677
RUNWAY 26 MALSR PAD	1,000	4 in	333	12
SUBTOTAL				5588
SEAPLANE BASE ACCESS ROADS				
NORTH SEAPLANE BASE ROAD	196350	3.5 in	57269	1622
EAST SEAPLANE BASE ROAD	16905	3.5 in	4931	183
SUBTOTAL				1805
TOTAL				7392


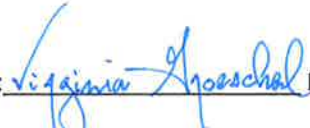
Additive Alternate				
SOUTH SPB & WEST FINGER ROADS	77026	-	-	0
TOTAL				0.0

Total Basic Bid ACP Volume: **7392 CY**

ACP Unit Weight: 150 lb/ft3

Basic Bid Subtotal 14,969 tons

Total Basic Bid: 14,975 tons

Prepared by:  Date: 5/21/12 Checked by:  Date: 5/21/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-401c Asphalt Cement, PG 52-28

Total Basic Bid P-401a Weight:	14,975 tons
AC Content (% of P-401a)	5.5%
Basic Bid Subtotal	824 tons
Total Basic Bid:	830 tons

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Quantity Estimate

P-603a Tack Coat, STE-1

Tack Coat Area

RUNWAY AND TAXIWAY IMPROVEMENTS

RUNWAY 8 RUNWAY RELOCATION	000 SF	000 SY
TAXIWAY B RELOCATION	107,926 SF	11,992 SY
TAXIWAY E REALIGNMENT	56,221 SF	6,247 SY
RUNWAY 26 RUNWAY EXTENSION	151,644 SF	16,849 SY
TAXIWAY G RELOCATION	135,804 SF	15,089 SY
RUNWAY 26 MALSR PAD	1,000 SF	111 SY
NORTH SEAPLANE BASE ROAD	196,350 SF	21,817 SY
EAST SEAPLANE BASE ROAD	16,200 SF	1,800 SY
SUBTOTAL		73,905 SY

Total P-401a SY: 73,905 SY

Apply Two Layers of Tack Coat Area = 147,810 SY

Application Rate 0.10 gal/SY

Unit Weight 8.45 lb/gal

Basic Bid Subtotal 062 tons

Total Basic Bid: 070 tons

Prepared by: C. W. [Signature] Date: 5/18/12 Checked by: Virginia [Signature] Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-620c Runway and Taxiway Painting

Total Yellow Paint Area	20,839 SF
Total White Paint Area	118,234 SF
Application Rate	80 SF/gal
Total Yellow Paint:	270.0 gal
Total White Paint:	1480.0 gal
Total Paint Removal:	139,100 SF

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-620e Painted Marking Removal

Total Yellow Paint Area 18,307 SF

Total White Paint Area 116,055 SF

Total Paint Removal: 134,400 SF

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012

Date Prepared:
5/18/2012

Quantity Estimate

P-620f Roadway Painting

Total Yellow Paint Length 10,860 LF

Total White Paint Length 11,325 LF

Total Paint Removal: 22,200 LF

Prepared by: CWA Date: 5/18/12 Checked by: Virginia Aqueschel Date: 5/18/12

Prepared By:
DOWL HKM

Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012

Date Prepared:
5/18/2012

Quantity Estimate
P-661a Standard Sign

Work Area	Type	LEGEND	SIZE (FT)		AREA (FT ²)	Number	total area	POST NO, SIZE, & TYPE	THICKNESS (in)		REMARK	
			WIDTH	HEIGHT					FRAMED	YES		NO
FENCE PLAN		STOP Active Runway Ahead	1	1.5	1.5	2	003 SF	N/A			0.125	SEE SIGN SCHED.
							003 SF					

Total Basic Bid : 010 SF

Subsidiary Items include:
Concrete for Sign Post, bases, mounting hardware, and concrete used for the sign bases

Prepared by: [Signature] Date: 5/18/12 Checked by: [Signature] Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**



Date Prepared:
5/18/2012

Quantity Estimate

P-670a Hazard Marker Barrier, Plastic

General Location	Length	Number of Barriers Required
T/W A - T/W B	075 LF	6
T/W A - T/W G	380 LF	25
T/W A - T/W E - both ends	330 LF	22
T/W A - T/W B-1	130 LF	10
		63
Total Basic Bid :		65

Assumption:
Hazard markers are 16 feet long.

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-671a Runway Closure Marker, [Temporary Illuminated Panel]

General Location	Number of Barriers Required
West end of Float Pond	1
East end of Float Pond	1
	2
Total Basic Bid :	2

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate

P-680a Silt Fence

Location	Length
RW Extension	400 LF
RW and Taxiway Culvert Ends	600 LF

Total Basic Bid : 1,000 LF

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Prepared By:
DOWL HKM

**Juneau International Airport
Runway Safety Area Improvements - Phase 2A
CBJ Contract No. E12-240/AIP 3-02-0133-056-2012**

Date Prepared:
5/18/2012

Quantity Estimate
P-681b Geotextile, Stabilization

Location	Height	Length	Average width	Area	
				SF	SY
Mendenhall Bank	16	275	70	19250	2139
				0	0
				0	0
				0	0
				0	0
				0	0
				0	0
				0	0
				0	0
				0	0

2200

Total Basic Bid : 2,200 SY

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Quantity Estimate

T-901i Seeding

Location	Average Area (SF)	Average Area (SY)
NW DEVELOPMENT AREA	10000	1111
TAXIWAY B RELOCATION	13430	1492
TAXIWAY E REALIGNMENT	60970	6774
NORTH SEAPLANE BASE ROAD	11655	1295
EAST SEAPLANE BASE ROAD	2880	320

10993

Total Basic Bid : 11,000 SY

*See attached figure for area.

Prepared by: CWS Date: 5/18/12 Checked by: Virginia Spaschek Date: 5/18/12

Quantity Estimate
T-905a Topsoiling

Location	Average Area (SF)	Average Area (SY)	Average Volume(CY)
NW DEVELOPMENT AREA	10000	1111	123
TAXIWAY B RELOCATION	13430	1492	166
TAXIWAY E REALIGNMENT	60970	6774	753
NORTH SEAPLANE BASE ROAD	11655	1295	144
EAST SEAPLANE BASE ROAD	2880	320	36
		11000	1300

Total Basic Bid : **11,000 SY** **1,300 CY**

*See attached figure for area.

*Topsoil placed at 4 inch depth.

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12

Quantity Estimate
T-908a Mulching

Location	Average Area (SF)	Average Area (SY)
NW DEVELOPMENT AREA	10000	1111
TAXIWAY B RELOCATION	13430	1492
TAXIWAY E REALIGNMENT	60970	6774
NORTH SEAPLANE BASE ROAD	11655	1295
EAST SEAPLANE BASE ROAD	2880	320

11000

Total Basic Bid : 11,000 SY

*See attached figure for area.

Prepared by:  Date: 5/18/12 Checked by:  Date: 5/18/12