

Mat Su Borough September 2012 Southcentral Flooding Permanent Repairs

Z571820000

Quantity Book

PROJECT NO: Z571820000
PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 201.0003.0000
ITEM NAME: CLEARING & GRUBBING

201.0003.0000			
CLEARING & GRUBBING			
SITE	AREA (ft²)	AREA (acre)	REMARKS
MSB Sites			
FY12-4-M Parks Hwy MP 59.5-59.6	16,464	0.38	1
FY12-5-M Parks Hwy MP 64-66	15,152	0.35	1
FY12-6-M Parks Hwy MP 68.5-69	42,433	0.98	1
FY12-7-M Parks Hwy MP 71.4 (Willow Creek South Overflow)	1,287	0.03	1
FY12-8-M Parks Hwy MP 71.6 (Willow Creek North Overflow)	600	0.02	1
FY12-14-M Old Glenn Hwy MP 7.8	272	0.01	1
FY12-15-M Old Glenn Hwy MP 3.2-3.3	630	0.02	1
FY12-27-M Glenn Hwy MP 68.1	146,967	3.38	1
FY12-33-M Glenn Hwy MP 106.1	1,410	0.04	1
FY12-36-M Talkeetna Spur Rd MP 9.1 (Birch Creek)	280	0.01	Around perimeter of sinkhole
FY12-65-M Glenn Hwy MP 100.4	15,852	0.37	1
FY12-66-M Glenn Hwy MP 102.5-105.5	52,807	1.22	1
FY12-68-M Glenn Hwy MP 106.05	4,512	0.11	1
Total Rounded (acre) =		6.92	

TOTAL CLEARING AND GRUBBING (ACRE) = 6.92

(1) Areas taken from AutoCAD

PROJECT NO: Z571820000
PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 202.0002.0000
ITEM NAME: REMOVAL OF PAVEMENT

202.0002.0000					
REMOVAL OF PAVEMENT					
SITE	LENGTH (ft)	WIDTH (ft)	AREA (ft ²)	AREA (yd ²)	REMARKS
MSB Sites					
FY12-3-M Parks Hwy MP 57.1 Little Susitna River)	120	10	1,200	134	
FY12-10-M Parks Hwy MP 83 (Kashwitna River)	20	19	380	43	
FY12-13-M Old Glenn Hwy MP 14	43	10	430	48	
FY12-27-M Glenn Hwy MP 68.1	-	-	27,288	3,032	
FY12-65-M Glenn Hwy MP 100.4	-	-	1,344	150	(1) Driveway
Total Rounded (yd ²) =				3,407	

TOTAL REMOVAL OF PAVEMENT (yd²) = 3,407

(1) Areas taken from AutoCAD

PROJECT NO: Z571820000
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ITEM NUMBER: 202.0004.0000
ITEM NAME: REMOVAL OF CULVERT PIPE

202.0004.0000			
REMOVAL OF CULVERT PIPE			
SITE	DIA (in)	LENGTH (ft)	REMARKS
MSB Sites			
FY12-33-M Glenn Hwy MP 106.1	24	10	Cut flush with existing SME wall
FY12-65-M Glenn Hwy MP 100.4	24	50	Damaged flume
FY12-65-M Glenn Hwy MP 100.4	18	48	Driveway culvert
Length Total (ft) =		108	

TOTAL REMOVAL OF CULVERT PIPE (ft) = 108

PROJECT NO: Z571820000
 PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 203.0003.0000
 ITEM NAME: UNCLASSIFIED EXCAVATION

203.0003.0000							
UNCLASSIFIED EXCAVATION							
SITE	LENGTH (ft)	WIDTH (ft)	DEPTH (ft)	VOLUME (ft ³)	VOLUME (yd ³)	Rounded	
MSB Sites							
FY12-4-M Parks Hwy MP 59.5-59.6	225	40	1.00	9,000	333	340	Dimensions reported from AutoCAD
FY12-5-M Parks Hwy MP 64-66	272	16	1.00	4,352	161	170	Dimensions reported from AutoCAD
FY12-6-M Parks Hwy MP 68.5-69	18	25	1.00	450	17	20	Dimensions reported from AutoCAD
	17	30	1.00	510	19	20	Dimensions reported from AutoCAD
	6	20	1.00	120	4	10	Dimensions reported from AutoCAD
	155	37	1.00	5,735	212	220	Dimensions reported from AutoCAD
	85	44	1.00	3,740	139	140	Dimensions reported from AutoCAD
	6	25	1.00	150	6	10	Dimensions reported from AutoCAD
	270	50	1.00	13,500	500	500	Dimensions reported from AutoCAD
	10	35	1.00	350	13	20	Dimensions reported from AutoCAD
FY12-16-M Glenn Hwy MP 62.5 (Granite Creek)	-	-	-	-	1,113	1,120	Channel ex, from Bridge, June 22nd
FY12-27-M Glenn Hwy MP 68.1	-	-	-	-	49,946	49,950	Volume reported from AutoCAD
FY12-33-M Glenn Hwy MP 106.1		30	8.00	0	0	0	
FY12-65-M Glenn Hwy MP 100.4	41	30	1.00	1,230	46	50	Dimensions reported from AutoCAD
	20	35	1.00	700	26	30	Dimensions reported from AutoCAD
	115	50	1.00	5,750	213	220	
FY12-66-M Glenn Hwy MP 102.5-105.5	43	30	1.00	1,290	48	50	Dimensions reported from AutoCAD
	24	10	1.00	240	9	10	Dimensions reported from AutoCAD
	178	40	1.00	7,120	264	270	Dimensions reported from AutoCAD
	30	40	1.00	1,200	44	50	Dimensions reported from AutoCAD
							Dimensions reported from AutoCAD
	25	10	1.00	250	9	10	Dimensions reported from AutoCAD
	53	25	1.00	1,325	49	50	Dimensions reported from AutoCAD
	32	26	1.00	832	31	40	Dimensions reported from AutoCAD
	60	34	1.00	2,040	76	80	Dimensions reported from AutoCAD
	100	40	1.00	4,000	148	150	Dimensions reported from AutoCAD
	22	20	1.00	440	16	20	Dimensions reported from AutoCAD
	41	30	1.00	1,230	46	50	Dimensions reported from AutoCAD
	30	30	1.00	900	33	40	Dimensions reported from AutoCAD
FY12-68-M Glenn Hwy MP 106.05	75	36	1.00	2,700	100	100	
Total (yd ³) =						53,740	

TOTAL UNCLASSIFIED EXC. (yd³) = 53,740

PROJECT NO: Z571820000

PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 203.0006.0000

ITEM NAME: BORROW, TYPE A

203.0006.0000								
BORROW, TYPE A								
SITE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	AREA (ft ²)	VOLUME (ft ³)	WEIGHT (ton)		REMARKS
Estimating Factor (lb/ft ³) = 145								
MSB Sites								
FY12-3-M Parks Hwy MP 57.1	-	-	4	1450	483	35	40	
FY12-9-M Parks Hwy MP 74.7	-	-	4	1069	356	26	30	Area taken from AutoCAD
FY12-10-M Parks Hwy MP 83	-	-	4	1809	603	44	50	Area taken from AutoCAD
FY12-27-M Glenn Hwy MP 68.1	-	-	-	-	93,371	6,769	6,770	Volume taken from corridor tables
FY12-33-M Glenn Hwy MP 106.1	60	30	10	1,800	18,000	1,305	1,310	
						Total (ton) = 8,200		

TOTAL BORROW A (ton) = 8,200

ITEM NUMBER: 203.2038.0000

ITEM NAME: DITCH LINEAR GRADING (STA)

203.2038.0000			
DITCH LINEAR GRADING (STA)			
SITE	LENGTH (ft)	LENGTH (STA)	REMARKS
MSB Sites			
FY12-5-M Parks Hwy MP 64-66	272	2.72	
FY12-6-M Parks Hwy MP 68.5-69	18	0.18	
	17	0.17	
	6	0.06	
	155	1.55	
FY12-15-M Old Glenn Hwy MP 3.2-3.3	60	0.60	
	35	0.35	
Total (STA) =		5.63	

TOTAL DITCH LINEAR GRADING (STA) = 5.63

PROJECT NO: Z571820000
 PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 301(1)
 ITEM NAME: AGGREGATE BASE COURSE, GRADING D-1

301.0001.00D1								
AGGREGATE BASE COURSE, GRADING D-1								
SITE	SHOULD. LENGTH (ft)	Depth (in)	SHOULD. AREA (ft ²)	AREA (ft ²)	VOLUME (ft ³)	MASS (ton)	Rounded	REMARKS
Estimating Factor (lb/ft ³) = 148								
MSB Sites								
FY12-13-M Parks Hwy MP 57.1 (Little Susitna River)	310		0.250	1450	319	24	30	
FY12-13-M Parks Hwy MP 74.7 (Little Willow Creek)	215		0.250	1069	232	17	20	
FY12-13-M Parks Hwy MP 85 (Kachwitna River)	225		0.250	1809	358	26	30	
FY12-13-M Old Glenn Hwy MP 14		2		460	77	6	10	Area from AutoCAD
FY12-65-M Glenn Hwy MP 100.4		2		1300	217	16	20	Area from AutoCAD
FY12-27-M Glenn Hwy MP 68.1					6,032	446	450	Volume from corridor table
							Total (ton) =	560

ROUNDED TOTAL (ton) = 560

PROJECT NO: Z571820000
PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 401.0001.002A
ITEM NAME: HOT MIX ASPHALT TYPE II; CLASS A

401.0001.002A										
HOT MIX ASPHALT TYPE II; CLASS A										
SITE	STATION TO STATION			LENGTH (ft)	AREA (ft ²)	DEPTH (in)	VOLUME (ft ³)	MASS (ton)		
Estimating Factor (lb/ft ³) = 153										
MSB Sites										
FY12-27-M Glenn Hwy MP 68.1	101+50	TO	113+00	-	34,594	3	8,648	665	Type II, Class A	
Total (ton) =								665		

TOTAL ASPHALT II, A (ton) = 665

PROJECT NO: Z571820000

PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 501.0004.____

ITEM NAME: CLASS A CONCRETE

501.0004.____								
CLASS A CONCRETE								
SITE	LENGTH (ft)	AREA (sq ft)	WIDTH (ft)	DEPTH (ft)	VOLUME (ft ³)	VOLUME (yd ³)	REMARKS	
MSB Sites								
FY12-33-M Glenn Hwy MP 106.1	60	3	-	-	188.496	7	8	Dimensions reported from AutoCAD
						Total (yd ³) =	8	

TOTAL CONCRETE (yd³) = 8

PROJECT NO: Z571820000
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ITEM NUMBER: 610.0002.0000
ITEM NAME: DITCH LINING (TON)

610.0002.0000						
DITCH LINING (TON)						
SITE	LENGTH (ft)	WIDTH (ft)	VOLUME (ft^3)	WEIGHT (TON)		REMARKS
MSB Sites						
FY12-7-M Parks Hwy MP 71.4 (Willow Creek South Overflow)	-	-	850	45.90	46.00	
FY12-8-M Parks Hwy MP 71.6 (Willow Creek North Overflow)	-	-	522	28.19	29.00	
FY12-9-M Parks Hwy MP 74.7 (Little Willow Creek)	-	-	30	1.62	2.00	
FY12-14-M Old Glenn Hwy MP 7.8			155	8.37	9.00	
FY12-15-M Old Glenn Hwy MP 3.2-3.3			556	30.02	31.00	
FY12-27-M Glenn Hwy MP 68.1	530	6	2,120	114.48	115.00	
Total Rounded (TON) =					232	

TOTAL DITCH LINING (TON) = 232

PROJECT NO: Z571820000
PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 611.0002.000(1, 2, 3, 4)
ITEM NAME: RIPRAP, CLASS I, II, III, IV

611.0002.000(1, 2, 3, 4)							
RIPRAP, CLASS I, II, III, IV							
SHEET	LENGTH (ft)	WIDTH (ft)	DEPTH (ft)	VOLUME (ft ³)	WEIGHT (ton)	Rounded	CLASS
Estimating Factor (lb/ft ³) = 108							
MSB Sites							
FY12-7-M Parks Hwy MP 71.4 (Willow Creek South Overflow)	-	-	-	1,530	83	85	2
FY12-8-M Parks Hwy MP 71.6 (Willow Creek North Overflow)	-	-	-	1,246	67	70	3
FY12-14-M Old Glenn Hwy MP 7.8	-	-	-	198	11	15	2
FY12-15-M Old Glenn Hwy MP 3.2-3.3	-	-	-	590	32	35	1
FY12-18-M Glenn Hwy MP 62.5 (Granite Creek)	-	-	-	1,323	71	75	2
	-	-	-	8,829	477	480	3
FY12-35-M Talkeetna Spur Rd MP 5.2 (Answer Creek)	-	-	-	3,095	167	170	2
	-	-	-	-	18	20	4
FY12-36-M Talkeetna Spur Rd MP 9.1 (Birch Creek)	12	6	2.5	180	10	10	1

TOTAL RIPRAP CLASS I WEIGHT (ton) = 45

TOTAL RIPRAP CLASS II WEIGHT (ton) = 345

TOTAL RIPRAP CLASS III WEIGHT (ton) = 550

TOTAL RIPRAP CLASS IV WEIGHT (ton) = 20

PROJECT NO: Z571820000
 PROJECT NAME: Mat Su Borough Sept 2012 Southcentral Flooding Permanent Repairs

ITEM NUMBER: 618.0002.0000
 ITEM NAME: SEEDING

618.0002.0000					
SEEDING					
SITE	AREA (ft ²)	WEIGHT ¹ (lb)	ROUNDED	WATER, ROUND	REMARKS
MSB Sites					
FY12-4-M Parks Hwy MP 59.5-59.6	16,464	25	25	16.5	
FY12-5-M Parks Hwy MP 64-66	15,152	23	23	15.2	
FY12-6-M Parks Hwy MP 68.5-69	42,433	64	64	42.4	
FY12-7-M Parks Hwy MP 71.4 (Willow Creek South Overflow)	763	1	2	0.8	
FY12-8-M Parks Hwy MP 71.6 (Willow Creek North Overflow)	390	1	1	0.4	
FY12-14-M Old Glenn Hwy MP 7.8	230	0	1	0.2	
FY12-15-M Old Glenn Hwy MP 3.2-3.3	1,340	2	3	1.3	
FY12-27-M Glenn Hwy MP 68.1	128,492	193	193	128.5	
FY12-33-M Glenn Hwy MP 106.1	1,340	2	3	1.3	
FY12-36-M Talkeetna Spur Rd MP 9.1 (Birch Creek)	280	0	1	0.3	
FY12-65-M Glenn Hwy MP 100.4	15,395	23	24	15.4	
FY12-66-M Glenn Hwy MP 102.5-105.5	52,807	79	80	52.8	
FY12-68-M Glenn Hwy MP 106.05	2,700	4	5	2.7	
Weight Total (lb) = 425					

Total Seed (lb) = 425

PROJECT NO: Z571820000
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ITEM NUMBER: 620.0001.0000
ITEM NAME: TOPSOIL (SY)

620.0001.0000				
TOPSOIL (SY)				
SITE	AREA (ft ²)	AREA (SY)	Rounded	REMARKS
MSB Sites				
FY12-4-M Parks Hwy MP 59.5-59.6	16,464	1,829.34	1,830	
FY12-5-M Parks Hwy MP 64-66	15,152	1,683.53	1,684	
FY12-6-M Parks Hwy MP 68.5-69	42,433	4,714.81	4,715	
FY12-7-M Parks Hwy MP 71.4 (Willow Creek South Overflow)	763	84.73	85	
FY12-8-M Parks Hwy MP 71.4 (Willow Creek North Overflow)	390	43.34	44	
FY12-14-M Old Glenn Hwy MP 7.8	230	25.56	26	
FY12-15-M Old Glenn Hwy MP 3.2-3.3	1,340	148.89	149	
FY12-27-M Glenn Hwy MP 68.1	128,492	14,276.94	14,277	
FY12-33-M Glenn Hwy MP 106.1	1,340	148.89	149	
FY12-36-M Fairweather Spur Rd MP 9.1 (Birch Creek)	314	34.85	35	
FY12-65-M Glenn Hwy MP 100.4	15,395	1,710.58	1,711	
FY12-66-M Glenn Hwy MP 102.5-105.5	52,807	5,867.44	5,868	
FY12-68-M Glenn Hwy MP 106.05	2,700	300.00	300	
Total (SY) =			30,950	

TOTAL TOPSOIL (SY) = 30,950