

C:\Documents and Settings\MAMBEROZ\Desktop\100% 200(2) sum REV071609.xls\SUMMARY (A1)

ITEM NO.	ITEM DESCRIPTION	UNIT	Sheet Number and Description				ESTIMATED QUANTITIES		STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
			C10	C18-C19	C20-C21	C22-C24	PLAN	BID	HI	HI HP & TI 200(2)	C1	C24
			Grading Summary	Surfacing Summary	Permanent Sign/Pave Markings Summary	Miscellaneous Summaries			REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY			
15101-0000	Mobilization	LPSM					ALL	ALL				
15206-0000	Slope, reference, and clearing and grubbing stakes	Sta					352	352				
15210-0000	Centerline re-establishment	Sta					176	176				
15215-1000	Survey and staking, approach roads	Each					8	8				
15215-4500	Survey and staking, relocate existing control points	Each					25	25	see sheet A4			
15216-1000	Survey and staking, roadway cross section	Sta					352	352				
15216-2000	Survey and staking, grade finishing stakes	Sta					352	352				
15301-0000	Contractor quality control	LPSM					ALL	ALL				
15501-0000	Construction schedule	LPSM					ALL	ALL	CPM format			
15705-0100	Soil erosion control, silt fence	LNFT				500	500	525				
15705-1400	Soil erosion control, sediment log	LNFT				1,100	1,100	1,160				
15801-0000	Watering for dust control (and earthwork)	MGAL						9,000				
20101-0000	Clearing and grubbing	Acre				40	40	42				
20210-0000	Special clearing and grubbing (a'a lava compaction)	Acre				6	6	6	Sta 1160+00 to 1185+50			
20301-2400	Removal of signs	Each				14	14	14				
20401-0000	Roadway excavation	CuYd	166,592				166,592	175,000	does not include water			
20420-0000	Embankment construction	CuYd	154,784				154,784	163,000	does not include water			
21101-1000	Roadway obliteration, method 1	SqYd				13,431	13,431	14,100				
21201-0000	Linear grading	Sta					176	176	fixed roadway costs			
25101-3000	Placed riprap, class 3	CuYd				2,602	2,602	2,732	for fill slope protection			
25110-3000	Grouted riprap, class 3	CuYd				63	63	66	for culvert aprons			
25125-0000	Boulder	Each					16	16				
30101-0000	Aggregate base	Ton		32,764			32,764	35,300				
30110-0000	Aggregate surface course	Ton		299		3,590	3,889	4,084				
30608-0000	Dust palliative application (for project detours/roads)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
30608-0000	Dust palliative application (for quarry haul road)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
31101-0000	Stockpiled aggregate, 1 1/2-inch	Ton					3,300	3,460	1.55 tons = 1 cu yd			
40201-1300	Hot asphalt concrete pavement, marshall test, class A, grading E	Ton		17,621			17,621	18,400				
40205-3000	Antistrip additive, type 3	Ton					176	184	1% of mix by weight			
40920-1000	Fog seal, emulsified asphalt grade CSS-1 or CSS-1h, SS-1 or SS-1h	Ton		42			42	44	0.10 gal/yd ²			
41101-3000	Prime coat grade CSS-1, CSS-1h, SS-1, or SS-1h	Ton		139			139	147	0.33 gal/yd ²			
41105-0000	Blotter	Ton		749			749	787				
60201-0800	24-inch pipe culvert	LNFT				205	205	216				
61902-1400	Gate, metal, 16 feet width	Each					1	1	Approach road at 1303+78			
61902-1800	Gate, metal, 24 feet width (for quarry road)	Each					1	1				
62012-1000	Stone masonry wall	CuYd				77	77	81				
62101-0000	Monument	Each					54	54				
62201-0300	Dump truck, 12 cubic yard minimum capacity	Hour					200	200				
62201-0550	Backhoe loader, 6 cubic foot minimum rated capacity bucket, 24-inch width	Hour					200	200				
62201-1000	Wheel loader, 4 cubic yard minimum rated capacity	Hour					200	200				
62201-1400	Bulldozer, 250hp minimum flywheel power	Hour					200	200				
62201-2850	Motor grader, 12 foot minimum blade	Hour					200	200				
The following quantities are approximate unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted or for materials furnished according to the contract.						SUMMARY OF QUANTITIES SCHEDULE A (SHEET 1 OF 2)						



The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date of License 2/20/10

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SUMMARY OF QUANTITIES
SCHEDULE A (SHEET 2 OF 2)



The work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date of License 4/20/10

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ITEM NO.	ITEM DESCRIPTION	UNIT	Sheet Number and Description				ESTIMATED QUANTITIES		STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
			C11	C18-C19	C20-C21	C22-C24	PLAN	BID	HI	HI HP & TI 200(2)	C3	C24
			Grading Summary	Surfacing Summary	Permanent Sign/Pave Markings Summary	Miscellaneous Summaries			REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY			
15101-0000	Mobilization	LPSM					ALL	ALL				
15206-0000	Slope, reference, and clearing and grubbing stakes	Sta					602	602				
15210-0000	Centerline re-establishment	Sta					301	301				
15215-1000	Survey and staking, approach roads	Each					14	14				
15215-4500	Survey and staking, relocate existing control points	Each					43	43	see sheet A4			
15216-1000	Survey and staking, roadway cross section	Sta					602	602				
15216-2000	Survey and staking, grade finishing stakes	Sta					602	602				
15301-0000	Contractor quality control	LPSM					ALL	ALL				
15501-0000	Construction schedule	LPSM					ALL	ALL	CPM format			
15705-0100	Soil erosion control, silt fence	LNFT				1,000	1,000	1,050				
15705-1400	Soil erosion control, sediment log	LNFT				1,840	1,840	1,940				
15801-0000	Watering for dust control (and earthwork)	MGAL						15,000				
20101-0000	Clearing and grubbing	Acre				70	70	74				
20210-0000	Special clearing and grubbing (a'a lava compaction)	Acre				6	6	6	Sta 1160+00 to 1185+50			
20301-2400	Removal of signs	Each				30	30	30				
20401-0000	Roadway excavation	CuYd	273,835				273,835	288,000	does not include water			
20420-0000	Embankment construction	CuYd	260,578				260,578	274,000	does not include water			
21101-1000	Roadway obliteration, method 1	SqYd				25,286	25,286	26,550				
21201-0000	Linear grading	Sta					301	301	fixed roadway costs			
25101-3000	Placed riprap, class 3	CuYd				4,993	4,993	5,243	for fill slope protection			
25110-3000	Grouted riprap, class 3	CuYd				99	99	104	for culvert aprons			
25125-0000	Boulder	Each					23	23				
30101-0000	Aggregate base	Ton		56,426			56,426	60,700				
30110-0000	Aggregate surface course	Ton		495		6,335	6,830	7,172				
30608-0000	Dust palliative application (for project detours/roads)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
30608-0000	Dust palliative application (for quarry haul road)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
31101-0000	Stockpiled aggregate, 1 1/2-inch	Ton					5,691	5,980	1.55 tons = 1 cu yd			
40201-1300	Hot asphalt concrete pavement, marshall test, class A, grading E	Ton		30,350			30,350	31,600				
40205-3000	Antistrip additive, type 3	Ton					304	316	1% of mix by weight			
40920-1000	Fog seal, emulsified asphalt grade CSS-1 or CSS-1h, SS-1 or SS-1h	Ton		72			72	76	0.10 gal/yd ²			
41101-3000	Prime coat grade CSS-1, CSS-1h, SS-1, or SS-1h	Ton		240			240	252	0.33 gal/yd ²			
41105-0000	Blotter	Ton		1,290			1,290	1,355				
60201-0800	24-inch pipe culvert	LNFT				318	318	334				
61902-1400	Gate, metal, 16 feet width	Each					1	1	Approach road at 1303+78			
61902-1800	Gate, metal, 24 feet width (for quarry road)	Each					1	1				
62012-1000	Stone masonry wall	CuYd				121	121	128				
62101-0000	Monument	Each					104	104				
62201-0300	Dump truck, 12 cubic yard minimum capacity	Hour					200	200				
62201-0550	Backhoe loader, 6 cubic foot minimum rated capacity bucket, 24-inch width	Hour					200	200				
62201-1000	Wheel loader, 4 cubic yard minimum rated capacity	Hour					200	200				
62201-1400	Bulldozer, 250hp minimum flywheel power	Hour					200	200				
62201-2850	Motor grader, 12 foot minimum blade	Hour					200	200				
The following quantities are approximate unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted or for materials furnished according to the contract.						SUMMARY OF QUANTITIES SCHEDULE B (SHEET 1 OF 2)						



The work was prepared by me or under my supervision and construction of this project will be under my supervision.
Expiration Date of License 4/30/10.

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ITEM NO.	ITEM DESCRIPTION	UNIT	Sheet Number and Description				ESTIMATED QUANTITIES		STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
			C12	C18-C19	C20-C21	C22-C24	PLAN	BID	HI	HI HP & TI 200(2)	C5	C24
			Grading Summary	Surfacing Summary	Permanent Sign/Pave Markings Summary	Miscellaneous Summaries			REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY			
15101-0000	Mobilization	LPSM					ALL	ALL				
15206-0000	Slope, reference, and clearing and grubbing stakes	Sta					788	788				
15210-0000	Centerline re-establishment	Sta					394	394				
15215-1000	Survey and staking, approach roads	Each					18	18				
15215-4500	Survey and staking, relocate existing control points	Each					61	61	see sheet A4			
15216-1000	Survey and staking, roadway cross section	Sta					788	788				
15216-2000	Survey and staking, grade finishing stakes	Sta					788	788				
15301-0000	Contractor quality control	LPSM					ALL	ALL				
15501-0000	Construction schedule	LPSM					ALL	ALL	CPM format			
15705-0100	Soil erosion control, silt fence	LNFT				1,500	1,500	1,575				
15705-1400	Soil erosion control, sediment log	LNFT				2,280	2,280	2,400				
15801-0000	Watering for dust control (and earthwork)	MGAL						20,000				
20101-0000	Clearing and grubbing	Acre				95	95	100				
20210-0000	Special clearing and grubbing (a'a lava compaction)	Acre				6	6	6	Sta 1160+00 to 1185+50			
20301-2400	Removal of signs	Each				40	40	40				
20401-0000	Roadway excavation	CuYd	421,013				421,013	442,000	does not include water			
20420-0000	Embankment construction	CuYd	412,006				412,006	433,000	does not include water			
21101-1000	Roadway obliteration, method 1	SqYd				33,543	33,543	35,220				
21201-0000	Linear grading	Sta					394	394	fixed roadway costs			
25101-3000	Placed riprap, class 3	CuYd				6,749	6,749	7,086	for fill slope protection			
25110-3000	Grouted riprap, class 3	CuYd				117	117	123	for culvert aprons			
25125-0000	Boulder	Each					30	30				
30101-0000	Aggregate base	Ton		74,388			74,388	80,000				
30110-0000	Aggregate surface course	Ton		632		21,025	21,657	22,740				
30608-0000	Dust palliative application (for project detours/roads)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
30608-0000	Dust palliative application (for quarry haul road)	Gal					3,000	3,000	0.25-0.40 gal/yd ²			
31101-0000	Stockpiled aggregate, 1 1/2-inch	Ton					8,294	8,710	1.55 tons = 1 cu yd			
40201-1300	Hot asphalt concrete pavement, marshall test, class A, grading E	Ton		40,015			40,015	41,700				
40205-3000	Antistrip additive, type 3	Ton					400	417	1% of mix by weight			
40920-1000	Fog seal, emulsified asphalt grade CSS-1 or CSS-1h, SS-1 or SS-1h	Ton		95			95	100	0.10 gal/yd ²			
41101-3000	Prime coat grade CSS-1, CSS-1h, SS-1, or SS-1h	Ton		316			316	332	0.33 gal/yd ²			
41105-0000	Blotter	Ton		1,701			1,701	1,786				
60201-0800	24-inch pipe culvert	LNFT				440	440	462				
61902-1400	Gate, metal, 16 feet width	Each					1	1	Approach road at 1303+78			
61902-1800	Gate, metal, 24 feet width (for quarry road)	Each					1	1				
62012-1000	Stone masonry wall	CuYd				143	143	151				
62101-0000	Monument	Each					134	134				
62201-0300	Dump truck, 12 cubic yard minimum capacity	Hour					200	200				
62201-0550	Backhoe loader, 6 cubic foot minimum rated capacity bucket, 24-inch width	Hour					200	200				
62201-1000	Wheel loader, 4 cubic yard minimum rated capacity	Hour					200	200				
62201-1400	Bulldozer, 250hp minimum flywheel power	Hour					200	200				
62201-2850	Motor grader, 12 foot minimum blade	Hour					200	200				
The following quantities are approximate unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted or for materials furnished according to the contract.						SUMMARY OF QUANTITIES SCHEDULE C (SHEET 1 OF 2)						



The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date of License: 12/30/10

Item No.	Item Description	UNIT	Actual QTY
15101-0000	MOBILIZATION	LS	1.00
15206-0000	SLOPE & CLEARING & GRUBBING	ST	858.00
15210-0000	CENTERLINE REESTABLISHMENT	ST	394.00
15215-1000	SURVEY & STAKING APPROACH	EA	18.00
15215-4500	SURVEY & STAKING CONTROL POINT	EA	61.00
15216-1000	SURVEY & STAKING CROSS-SECTION	ST	549.00
15216-2000	SURVEY & STAKING GRADE	ST	788.00
15301-0000	QUALITY CONTROL	LS	800000.00
15501-0000	CONSTRUCTION SCHEDULE	LS	50000.00
15705-0100	EROSION CONTROL SILT FENCE	LF	1103.00
15705-1400	EROSION CONTROL SEDIMENT LOG	LF	2109.00
15801-0000	WATER FOR DUST CONTROL	MGA	13140.83
20101-0000	CLEARING & GRUBBING	AC	95.00
20210-0000	SPECIAL CLEARING & GRUBBING	AC	4.50
20301-2400	REMOVE SIGNS	EA	45.00
20401-0000	ROADWAY EXCAVATION	CY	440481.00
20420-0000	EMBANKMENT CONSTRUCTION	CY	386938.00
21101-1000	ROADWAY OBLITERATION METHOD 1	SY	32078.70
21201-0000	LINEAR GRADING	ST	394.00
25101-3000	PLACED RIPRAP CLASS 3	CY	10128.01
25110-3000	GROUTED RIPRAP CLASS 3	CY	58.64
25125-0000	BOULDER	EA	12.00
30101-0000	AGGREGATE BASE	TN	80775.13
30110-0000	AGGREGATE SURFACE COURSE	TN	3271.11
30608-0000	DUST PALLIATIVE FOR DETOUR	GA	0.00
30608-0000	DUST PALLIATIVE FOR QUARRY	GA	4125.00
31101-0000	STOCKPILED AGGREGATE 1 1/2 INCH	TN	8710.00
40201-1300	HOT ASPHALT CONCRETE PAVEMENT	TN	36750.87
40205-3000	ANTISTRIP ADDITIVE	TN	354.47
40920-1000	FOG SEAL CSS-1,CSS-1H,SS-1H	TN	0.00
41101-3000	PRIME COAT CSS-1,CSS-1H,SS-1H	TN	208.03
41105-0000	BLOTTER	TN	0.00
60201-1800	24 INCH PIPE CULVERT	LF	315.80
61902-0000	16 FT METAL GATE	EA	1.00
61902-0000	24 FT METAL GATE FOR QUARRY	EA	0.00
62012-1000	STONE MASONRY WALL	CY	107.36
62101-0000	MONUMENT	EA	84.00
62201-0300	DUMP TRUCK	HR	8.90
62201-0550	BACKHOE LOADER	HR	0.00
62201-1000	WHEEL LOADER	HR	11.00
62201-1400	BULLDOZER	HR	32.50
62201-2850	MOTOR GRADER	HR	7.00

Item No.	Item Description	UNIT	Actual QTY
62201-3350	HYDRAULIC EXCAVATOR	HR	128.74
62202-1000	MATERIALS TRANSFER VEHICLE	LS	1.00
62301-0000	GENERAL LABOR	HR	7.50
62302-1000	SPECIAL LABOR TECHNICAL	HR	0.00
62302-1100	SPECIAL LABOR SURVEY	HR	42.00
62535-0000	HERBICIDE	GA	0.00
63301-0000	SIGN SYSTEM	EA	52.00
63308-0000	OBJECT MARKERS	EA	67.00
63401-0100	PAVEMENT MARKINGS SOLID 4"	LF	0.00
63401-0200	PAVEMENT MARKINGS BROKEN 4"	LF	0.00
63501-0000	TEMPORARY TRAFFIC CONTROL	LS	1.00
63502-0500	BARRICADE TYPE 2	EA	0.00
63502-0600	BARRICADE TYPE 3	EA	4.00
63502-1050	TUBULAR MARKER	EA	2052.00
63502-1300	TRAFFIC CONTROL DRUM	EA	95.00
63502-1500	WARNING LIGHT TYPE A	EA	38.00
63502-1600	WARNING LIGHT TYPE B	EA	0.00
63502-1700	WARNING LIGHT TYPE C	EA	0.00
63503-0400	WATER FILLED CONCRETE BARRIER	LF	2138.50
63503-0700	TEMP PAVEMENT MARKINGS	LF	78303.00
63503-0800	REMOVE PAVEMENT MARKINGS	LF	79900.00
63503-1000	PLASTIC FENCE	LF	2403.00
63504-1000	CONSTRUCTION SIGNS	SF	1006.50
63506-0400	POLICE OFFICER	HR	371.50
63506-0500	FLAGGER	HR	5462.00
63506-0600	PILOT CAR	DY	176.37
63507-0800	CHANGEABLE MESSAGE SIGN	DY	1468.00
63508-1000	TRAFFIC CONTROL/PAVEMENT PATCH	TN	31.02
63510-0100	TRAFFIC & SAFETY SUPERVISOR	WE	106

SCHEDULE OF QUANTITIES
SCHEDULE C (SHEET 2 OF 2)

AS BUILT SHEET C6

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Item No.	Item Description	UNIT	Actual QTY
15101-0000	MOBILIZATION	LS	1
15301-0000	QUALITY CONTROL	LS	1
40101-0500	SUPERPAVE PAVEMENT 1/2 INCH	TN	11384.87
40105-3000	ANTISTRIP ADDITIVE	TN	108.85
40920-1000	FOG SEAL CSS-1,CSS-1H,SS-1H	TN	47.85
41201-1000	TACK COAT CSS-1,CSS-1H,SS-1H	TN	50.87
62201-0300	DUMP TRUCK	HR	0
62201-0550	BACKHOE LOADER	HR	0
62201-1000	WHEEL LOADER	HR	0
62201-1400	BULLDOZER	HR	0
62201-2850	MOTOR GRADER	HR	0
62201-3350	HYDRAULIC EXCAVATOR	HR	0
62202-1000	MATERIALS TRANSFER VEHICLE	LS	1
62301-0000	GENERAL LABOR	HR	0
63313-1000	RUMBLE STRIP SHOULDER	LF	16700
63401-1700	AC MARKINGS, TYPE 1,SOLID 4"	LF	57263
63406-0000	RAISED PAVEMENT MARKER	EA	5324
63506-0500	FLAGGER	HR	300
63507-0800	CHANGEABLE MESSAGE SIGN	DY	0

SUMMARY OF QUANTITIES OPTION X

AS BUILT SHEET C7

Item No.	Item Description	UNIT	Actual QTY
15101-0000	MOBILIZATION	LS	1
15301-0000	QUALITY CONTROL	LS	1
40101-0500	SUPERPAVE PAVEMENT 1/2 INCH	TN	8198
40105-3000	ANTISTRIP ADDITIVE	TN	76.46
40920-1000	FOG SEAL CSS-1,CSS-1H,SS-1H	TN	20.51
41201-1000	TACK COAT CSS-1,CSS-1H,SS-1H	TN	38.19
62201-0300	DUMP TRUCK	HR	0
62201-0550	BACKHOE LOADER	HR	0
62201-1000	WHEEL LOADER	HR	0
62201-1400	BULLDOZER	HR	0
62201-2850	MOTOR GRADER	HR	0
62201-3350	HYDRAULIC EXCAVATOR	HR	0
62202-1000	MATERIALS TRANSFER VEHICLE	LS	1
62301-0000	GENERAL LABOR	HR	0
63313-1000	RUMBLE STRIP SHOULDER	LF	12300
63401-1700	AC MARKINGS TYPE I SOLID 4"	LF	46935
63406-0000	RAISED PAVEMENT MARKER	EA	3475
63506-0500	FLAGGER	HR	260
63507-0800	CHANGEABLE MESSAGE SIGN	DY	0

SUMMARY OF QUANTITIES OPTION Y

AS BUILT SHEET C8

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Item No.	Item Description	UNIT	Actual QTY
15101-0000	MOBILIZATION	LS	1
15301-0000	QUALITY CONTROL	LS	1
40101-0500	SUPERPAVE PAVEMENT 1/2 INCH	TN	6268.18
40105-3000	ANTISTRIP ADDITIVE	TN	58.42
40920-1000	FOG SEAL CSS-1,CSS-1H,SS-1H	TN	14.92
41201-1000	TACK COAT CSS-1,CSS-1H,SS-1H	TN	12.94
62201-0300	DUMP TRUCK	HR	0
62201-0500	BACKHOE LOADER	HR	0
62201-1000	WHEEL LOADER	HR	0
62201-1400	BULLDOZER	HR	0
62201-2850	MOTOR GRADER	HR	0
62201-3350	HYDRAULIC EXCAVATOR	HR	0
62202-1000	MATERIALS TRANSFER VEHICLE	LS	1
62301-0000	GENERAL LABOR	HR	0
63313-1000	RUMBLE STRIP SHOULDER	LF	9500
63401-1700	AC MARKINGS TYPE I SOLID 4"	LF	35200
63406-0000	RAISED PAVEMENT MARKER	EA	2450
63506-0500	FLAGGER	HR	240
63507-0800	CHANGEABLE MESSAGE SIGN	DY	0

SUMMARY OF QUANTITIES OPTION Z

AS BUILT SHEET C9