

ATTACHMENT 9
Construction Cost Estimates

ATTACHMENT 9
DEPARTMENT OF TRANSPORTATION
Bureau of Highways
ESTIMATE SHEET

Alternative 1

County: Warren Item No. 3-131.00
 UPN Fed No.: _____ Total Length: _____
 Road Name: Intersections of US31/University Blvd/Loving Way and US31/Chestnut Street
 From: _____
 To: _____
 Net Length, _____ Type of Construction: Grade, Drain, & Surfacing Class of Road: _____

Item	Item	Quantity	Unit	Unit Price	Amount
	Clearing and Grubbing	1	LP SUM	\$ 2,100	\$ 2,100
	Seeding and Protection	3,300	SQ YD	\$ 0.35	\$ 1,155
	Sodding	815	SQ YD	\$ 4.00	\$ 3,260
	Topdressing Fertilizer	1	TON	\$ 500.00	\$ 500
	Temp. Seeding and Protection	3,300	SQ YD	\$ 0.20	\$ 660
	Roadway Excavation	1,300	CU YD	\$ 14.00	\$ 18,200
	Pave. Striping - Temp. Paint 4 In	9,200	LIN. FT	\$ 0.20	\$ 1,840
	Pave. Striping - Permanent Paint - 4 In	9,200	LIN FT	\$ 0.25	\$ 2,300
	Pave Marking - Thermo Stop Bar - 24 In	98	LIN FT	\$ 7.00	\$ 686
	Pave Marking - Pre Therm Curve Arrow	4	EACH	\$ 85.00	\$ 340
	Pave Marking - Pre Therm Straight Arrow	2	EACH	\$ 90.00	\$ 180
	Silt Trap Type C	8	EACH	\$ 250.00	\$ 2,000
	Clean Silt Trap Type C	8	EACH	\$ 43.00	\$ 344
	Temporary Silt Fence	1,440	LIN FT	\$ 2.00	\$ 2,880
	Clean Temporary Silt Fence	2,880	LIN FT	\$ 0.35	\$ 1,008
	Staking	1	LP SUM	\$ 5,000.00	\$ 5,000
	Maintain and Control Traffic	1	LP SUM	\$ 10,000.00	\$ 10,000
	R/W Marker Rural Type 1	5	EACH	\$ 75.00	\$ 375
	Storm Sewer Pipe - 18 In	1,440	LIN FT	\$ 50.00	\$ 72,015
	Curb Box Inlet Type A	8	EACH	\$ 3,250.00	\$ 26,000
	Standard Curb and Gutter	1,440	LIN FT	\$ 15.00	\$ 21,600
	Sidewalk	646	SQ YD	\$ 32.00	\$ 20,677
	Class 2 Asphalt Base	1,049	TON	\$ 65.00	\$ 68,185
	Class 2 Asphalt Surface	772	TON	\$ 75.00	\$ 57,900
	DGA Base	1,646	TON	\$ 16.50	\$ 27,159
	Lighting (Poles)	2	EACH	\$ 8,000.00	\$ 16,000
	Subtotal Grade, Drain & Surfacing				\$ 362,364
	Mobilization (3%)	-	LP SUM		\$ -
	Demobilization (1 1/2%)	1	LP SUM		\$ 5,435
	Grade & Drain		Subtotal		\$ 367,799
Cost per mile	G. & D. & Surf.		+ 20% Engr. & Contg.		\$ 73,560
			Grand Total		\$ 441,359

Estimated by: WAG Date: 8/20/2008
 Checked by: REG Date: 8/20/2008

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Alternative 3

County: Warren Item No. 3-131.00
 UPN Fed No.: _____ Total Length: _____
 Road Name: Intersections of US31/University Blvd/Loving Way and US31/Chestnut Street
 From: _____
 To: _____
 Net Length, _____ Type of Construction: Grade, Drain, & Surfacing Class of Road: _____

Item	Item	Quantity	Unit	Unit Price	Amount
	Clearing and Grubbing	1	LP SUM	\$ 7,100	\$ 7,100
	Seeding and Protection	6,200	SQ YD	\$ 0.35	\$ 2,170
	Sodding	1,200	SQ YD	\$ 4.00	\$ 4,800
	Topdressing Fertilizer	1	TON	\$ 500.00	\$ 500
	Temp. Seeding and Protection	6,200	SQ YD	\$ 0.20	\$ 1,240
	Embankment in Place	10,000	CU YD	\$ 14.00	\$ 140,000
	Pave. Striping - Temp. Paint 4 In	13,900	LIN. FT	\$ 0.20	\$ 2,780
	Pave. Striping - Permanent Paint - 4 In	13,900	LIN FT	\$ 0.25	\$ 3,475
	Pave Marking - Thermo Stop Bar - 24 In	150	LIN FT	\$ 7.00	\$ 1,051
	Pave Marking - Pre Therm Curve Arrow	20	EACH	\$ 85.00	\$ 1,700
	Pave Marking - Pre Therm Straight Arrow	6	EACH	\$ 90.00	\$ 540
	Remove Pavement	4,000	SQ YD	\$ 16.00	\$ 64,000
	Scarify Pavement	4,000	SQ YD	\$ 3.00	\$ 12,000
	Silt Trap Type B	1	EACH	\$ 225.00	\$ 225
	Silt Trap Type C	12	EACH	\$ 250.00	\$ 3,000
	Temporary Mulch	6,200	SQ YD	\$ 0.20	\$ 1,240
	Clean Silt Trap Type B	1	EACH	\$ 43.00	\$ 43
	Clean Silt Trap Type C	12	EACH	\$ 43.00	\$ 516
	Temporary Silt Fence	2,982	LIN FT	\$ 2.00	\$ 5,964
	Clean Temporary Silt Fence	5,964	LIN FT	\$ 0.35	\$ 2,087
	Erosion Control Blanket	450	SQ YD	\$ 1.50	\$ 675
	Staking	1	LP SUM	\$ 8,000.00	\$ 8,000
	Maintain and Control Traffic	1	LP SUM	\$ 15,000.00	\$ 15,000
	R/W Marker Rural Type 1	10	EACH	\$ 75.00	\$ 750
	Storm Sewer Pipe - 18 In	2,982	LIN FT	\$ 50.00	\$ 149,095
	Curb Box Inlet Type A	14	EACH	\$ 3,250.00	\$ 45,500
	Standard Curb and Cutter	2,982	LIN FT	\$ 15.00	\$ 44,729
	Signs	600	SQ FT	\$ 8.00	\$ 4,800
	Sidewalk	1,318	SQ YD	\$ 32.00	\$ 42,190
	Class 2 Asphalt Base	2,228	TON	\$ 65.00	\$ 144,820
	Class 2 Asphalt Surface	1,003	TON	\$ 75.00	\$ 75,225
	DGA Base	3,494	TON	\$ 16.50	\$ 57,651
	Lighting (Poles)	4	EACH	\$ 8,000.00	\$ 32,000
	Subtotal Grade, Drain & Surfacing				\$ 874,866
	Mobilization (3%)	-	LP SUM		\$ -
	Demobilization (1 1/2%)	1	LP SUM		\$ 13,123
	Grade & Drain		Subtotal		\$ 887,989
Cost per mile	G. & D. & Surf.		+ 20% Engr. & Contg.		\$ 177,598
			Grand Total		\$ 1,065,587

Estimated by: WAG Date: 8/20/2008
 Checked by: REG Date: 8/20/2008

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Alternative 5

County: Warren Item No. 3-131.00
 UPN Fed No.: _____ Total Length: _____
 Road Name: Intersections of US31/University Blvd/Loving Way and US31/Chestnut Street
 From: _____
 To: _____
 Net Length, _____ Type of Construction: Grade, Drain, & Surfacing Class of Road: _____

Item	Item	Quantity	Unit	Unit Price	Amount
	Clearing and Grubbing	1	LP SUM	\$ 7,000	\$ 7,000
	Sodding	2,700	SQ YD	\$ 4.00	\$ 10,800
	Roadway Excavation	8,000	CU YD	\$ 14.00	\$ 112,000
	Pave. Striping - Temp. Paint 4 In	11,000	LIN. FT	\$ 0.20	\$ 2,200
	Pave. Striping - Permanent Paint - 4 In	11,000	LIN FT	\$ 0.25	\$ 2,750
	Pave Marking - Pre Therm Curve Arrow	2	EACH	\$ 85.00	\$ 170
	Pave Marking - Pre Therm (Misc.)	20	EACH	\$ 150.00	\$ 3,000
	Pave Marking - Pre Therm Combo Arrow	23	EACH	\$ 150.00	\$ 3,450
	Pave Marking - Thermo X-Walk - 12 In	1,500	LIN FT	\$ 4.00	\$ 6,000
	Silt Trap Type C	14	EACH	\$ 250.00	\$ 3,500
	Clean Silt Trap Type C	14	EACH	\$ 43.00	\$ 602
	Temporary Silt Fence	3,250	LIN FT	\$ 2.00	\$ 6,500
	Clean Temporary Silt Fence	6,500	LIN FT	\$ 0.35	\$ 2,275
	Staking	1	LP SUM	\$ 12,000.00	\$ 12,000
	Maintain and Control Traffic	1	LP SUM	\$ 18,000.00	\$ 18,000
	R/W Marker Rural Type 1	15	EACH	\$ 75.00	\$ 1,125
	Storm Sewer Pipe - 18 In	3,250	LIN FT	\$ 50.00	\$ 162,500
	Curb Box Inlet Type A	14	EACH	\$ 3,250.00	\$ 45,500
	Standard Curb and Gutter	3,255	LIN FT	\$ 15.00	\$ 48,825
	Island Curb and Gutter	600	LIN FT	\$ 52.00	\$ 31,200
	Signs	800	SQ FT	\$ 8.00	\$ 6,400
	Sidewalk	1,760	SQ YD	\$ 32.00	\$ 56,320
	Median Treatments	211	SQ YD	\$ 40.00	\$ 8,444
	Landscaping	1	LP SUM	\$ 25,000.00	\$ 25,000
	Diversions	1	LP SUM	\$ 60,000.00	\$ 60,000
	Class 2 Asphalt Base	5,018	TON	\$ 65.00	\$ 326,170
	Class 2 Asphalt Surface	941	TON	\$ 75.00	\$ 70,575
	DGA Base	7,870	TON	\$ 16.50	\$ 129,855
	Lighting (Poles)	16	EACH	\$ 8,000.00	\$ 128,000
	Subtotal Grade, Drain & Surfacing				\$ 1,290,161
	Mobilization (3%)	-	LP SUM		\$ -
	Demobilization (1 1/2%)	1	LP SUM		\$ 19,352
	Grade & Drain		Subtotal		\$ 1,309,513
Cost per mile	G. & D. & Surf.		+ 20% Engr. & Contg.		\$ 261,903
			Grand Total		\$ 1,571,416

Estimated by: WAG Date: 8/20/2008
 Checked by: REG Date: 8/20/2008

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DEPARTMENT OF TRANSPORTATION
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Alternative 7

County: Warren Item No. 3-131.00
 UPN Fed No.: _____ Total Length: _____
 Road Name: Intersections of US31/University Blvd/Loving Way and US31/Chestnut Street
 From: _____
 To: _____
 Net Length, _____ Type of Construction: Grade, Drain, & Surfacing Class of Road: _____

Item	Item	Quantity	Unit	Unit Price	Amount
	Clearing and Grubbing	1	LP SUM	\$ 8,000	\$ 8,000
	Seeding and Protection	7,200	SQ YD	\$ 0.35	\$ 2,520
	Sodding	1,800	SQ YD	\$ 4.00	\$ 7,200
	Topdressing Fertilizer	1	TON	\$ 500.00	\$ 500
	Temp. Seeding and Protection	7,200	SQ YD	\$ 0.20	\$ 1,440
	Embankment in Place	10,000	CU YD	\$ 14.00	\$ 140,000
	Pave. Striping - Temp. Paint 4 In	20,800	LIN. FT	\$ 0.20	\$ 4,160
	Pave. Striping - Permanent Paint - 4 In	20,800	LIN FT	\$ 0.25	\$ 5,200
	Pave Marking - Thermo Stop Bar - 24 In	150	LIN FT	\$ 7.00	\$ 1,050
	Pave Marking - Pre Therm Curve Arrow	22	EACH	\$ 85.00	\$ 1,870
	Pave Marking - Pre Therm Straight Arrow	8	EACH	\$ 90.00	\$ 720
	Remove Pavement	4,000	SQ YD	\$ 16.00	\$ 64,000
	Scarify Pavement	4,000	SQ YD	\$ 3.00	\$ 12,000
	Silt Trap Type B	1	EACH	\$ 225.00	\$ 225
	Silt Trap Type C	16	EACH	\$ 250.00	\$ 4,000
	Temporary Mulch	7,200	SQ YD	\$ 0.20	\$ 1,440
	Clean Silt Trap Type B	1	EACH	\$ 43.00	\$ 43
	Clean Silt Trap Type C	16	EACH	\$ 43.00	\$ 688
	Temporary Silt Fence	4,420	LIN FT	\$ 2.00	\$ 8,840
	Clean Temporary Silt Fence	8,800	LIN FT	\$ 0.35	\$ 3,080
	Erosion Control Blanket	450	SQ YD	\$ 1.50	\$ 675
	Staking	1	LP SUM	\$ 10,000.00	\$ 10,000
	Maintain and Control Traffic	1	LP SUM	\$ 17,000.00	\$ 17,000
	R/W Marker Rural Type 1	15	EACH	\$ 75.00	\$ 1,125
	Storm Sewer Pipe - 18 In	4,420	LIN FT	\$ 50.00	\$ 220,990
	Curb Box Inlet Type A	22	EACH	\$ 3,250.00	\$ 71,500
	Standard Curb and Cutter	4,420	LIN FT	\$ 15.00	\$ 66,297
	Signs	800	SQ FT	\$ 8.00	\$ 6,400
	Sidewalk	1,866	SQ YD	\$ 32.00	\$ 59,713
	Class 2 Asphalt Base	2,852	TON	\$ 65.00	\$ 185,380
	Class 2 Asphalt Surface	1,502	TON	\$ 75.00	\$ 112,650
	DGA Base	4,472	TON	\$ 16.50	\$ 73,788
	Lighting (Poles)	6	EACH	\$ 8,000.00	\$ 48,000
	Subtotal Grade, Drain & Surfacing				\$ 1,140,494
	Mobilization (3%)	-	LP SUM		\$ -
	Demobilization (1 1/2%)	1	LP SUM		\$ 17,107
	Grade & Drain		Subtotal		\$ 1,157,601
Cost per mile	G. & D. & Surf.		+ 20% Engr. & Contg.		\$ 231,520
			Grand Total		\$ 1,389,121

Estimated by: WAG Date: 8/20/2008
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