APPENDIX-A COST ESTIMATES

Page	1 of 1 STATE OF CONNECTICUT	Town of:	Sevmo	ır	FIGURE7-1
. ago	DEPARTMENT OF TRANSPORTATION				
	BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	Ļ	
	PROJECT DEVELOPMENT UNIT	Width:			
	PRELIMINARY COST ESTIMATE	Depth:			
		Type:			
	Route 8 Deficiencies/Needs Study	From Sta:			
	Interchange 22 - Near Term Alternative	To Sta:			
	Route 67 at Wakeley Street	A length of		Feet as show	n on the
	Item	Est. Quant.	Unit	plans Unit Price	Total
Pavement: (Overlay \$100tonx3"x.0575/9	15,500	SF	\$1.91	\$29,600
Pavement; N		15,500	SF	\$0.56	\$8,700
	AT \$100/TON	1,510	SF	\$5.75	\$8,700
	ggregate Base [CY/\$41.95]	50	CY	\$41.95	\$2,100
			SF		
	otal Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; To	otal Pavement Area Overlay (\$0.40/SF)		SF		
Drainage; P	pe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF		
Drainage; C	atch Basins [\$2500]		EA.		
<u>Drainage; D</u>	puble Catch Basins [\$3500]		EA.		
	eset Catch Basins [\$750.00]	1	EA.		
Drainage; C	ulvert Ends [\$800-\$1000]	1	EA.	 	
Curbing; BC			LF SF	+	
	d 1 foot strip of pavement X length	+	LF		
Curbing; Co		620	LF LF	\$45.00	\$27,900
	:500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	90	CY	\$48.00	\$4,300
	500CY/\$138; 500-2500CY/\$108;2500-5000CY/\$25, >5000CY/\$58]	30	CY	ψ+0.00	ψ+,500
	10/\$38; 500-5000/\$23; >5000/\$14]		CY		
	g; R-I or 3 Cable [\$20]		LF		
	g; R-B (350) [\$30.00]		LF		
	g; Systems 2-6A [\$100]		LF		
Guide Railin	g; Anchors [\$1200]		EA.		
	crete Barrier Curb (15" x 32")		LF		
	crete Barrier Curb (24" x 32")		LF		
Concrete Si	lewalk [\$14.00]	315	SF	\$14.00	\$4,400
	Driveway [\$40/res;\$50/commercial]		SY		
	hment [\$3.00]		SY		
	Placing Topsoil [\$8.00]		SY SY		
Sod [\$12.50	on Control [\$4]		LF		
	ls; New [\$100,000]		EA.		
	ls; Major Modification [\$60,000]		EA.		
	ls; Minor Modification [\$30,000]		EA.		
Other Exper			FT		
	[\$425overH2O/\$375overRdwy]		SF		
	Replacement (\$150-\$200) Deck Overlay (\$15)		SF		
	erstructure [\$150.00-\$200.00]		SF		
	all; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
	all; Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrie	r Wall-Timber [\$25.00]		SF		***
Ola a mina au a na	Contract Items			SUBTOTAL	\$85,700
	Grubbing Roadway (2%)		2%		\$1,700
M & P of Tra Traffic Items			7% 3%		\$6,000 \$3,000
Mobilization			7.5%		\$6,400
	Staking (1%)		1%		\$1,000
Minor Items			20%		\$17,000
	tor (6% per year)		0%		\$0
		CONST		N TOTALS	\$120,800
	NCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$12,000
	_S (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$30,000
UTILITIES		Yes			\$0
	RY ENGINEERING AND ENVIRONMENTAL				
RIGHTS OF					
	FORCE ACCOUNT	TOTAL	-CTIP4 4	TED AGAZ	¢400 000
Estimated B	y: Anurag Agrawal	IOIALE	-SIIMA	TED COST	\$162,800
Checked By	Mike Sutton		т	OWN CASH	
U U U U y			. `		
Date of Estir	nate: Aug-2010				

Page 1 of 1 STATE OF CONNECTICUT	Town of:	Seymo	ur	FIGURE 7-2
DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124 164	i	
PROJECT DEVELOPMENT UNIT	Width:	124-104		
PRELIMINARY COST ESTIMATE	Depth:			
Route 8 Deficiencies/Needs Study	Type: From Sta:			
Interchange 22 - Long Term Alternative - Alt A	To Sta:			
Route 67 at Wakeley Street	A length of		Feet as sho	wn on the
Item	Est. Quant.	Unit	plans Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9	55,320	SF	\$1.92	\$106,200
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	55,320	SF	\$0.56	\$31,000
Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95]	81,600 2,520	SF CY	\$5.75 \$41.95	\$469,200 \$105,700
Processed Aggregate Base [C 1/\$41.95]	2,520	SF	\$ 4 1.95	\$105,700
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500]		LF EA.		
Drainage; Double Catch Basins [\$3500]		EA.		
Drainage; Reset Catch Basins [\$750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10]		EA. LF		
Curbing; Add 1 foot strip of pavement X length		SF		
Curbing; Concrete [\$30-\$40]		LF		
Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	5,300 4,800	LF CY	\$45.00 \$25.00	\$238,500 \$120,000
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000CY/\$25, >5000CY/\$20]	4,000	CY	\$25.00	\$120,000
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		CY		
Guide Railing; R-I or 3 Cable [\$20]		LF LF		
Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100]		LF LF		
Guide Railing; Anchors [\$1200]		EA.		
Precast Concrete Barrier Curb (15" x 32")	1,000	LF	\$50.00	\$50,000
Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00]	18,250	LF SF	\$14.00	\$255,500
Bituminous Driveway [\$40/res;\$50/commercial]	120	SY	\$50.00	\$6,000
Turf Establishment [\$3.00]	1,000	SY	\$3.00	\$3,000
Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50]		SY SY		
Sedimentation Control [\$4]	1,650	LF	\$4.00	\$6,600
Traffic Signals; New [\$100,000]	4.0	EA.	***	400.000
Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000]	1.0	EA. EA.	\$60,000	\$60,000
Other Expense		FT		
Bridge; New [\$425overH2O/\$375overRdwy]		SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15) Bridge; Superstructure [\$150.00-\$200.00]		SF SF		
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)	6,600	SF	\$130.00	\$858,000
Noise Barrier Wall-Timber [\$25.00]		SF	CLIDTOTAL	\$2,309,700
Contract Items Clearing and Grubbing Roadway (2%)		2%	DUDIUIAL	\$46,200
M & P of Traffic (7%)		7%		\$162,000
Traffic Items (3%)		3%		\$69,000
Mobilization (7.5%) Construction Staking (1%)		7.5% 1%		\$173,200 \$23,000
Minor Items (20%)		20%		\$462,000
Inflation Factor (6% per year)	201107	0%		\$0
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]	CONSTR	RUCTIO 10%	N IOTALS	\$3,245,100 \$325,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$811,000
UTILITIES	Yes			\$Ó
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				¢2 025 000
RIGHTS OF WAY (excluding gravel extraction site) RAILROAD FORCE ACCOUNT				\$2,025,000
Estimated By: Anurag Agrawal	TOTAL E	STIMA	TED COST	\$6,406,100
Checked By: Mike Sutton		T	OWN CASH	
			OAUII	
Date of Estimate: Nov-2010				

Page 1 d	f 1 STATE OF CONNECTICUT	Town of:	Sevmo	ur	FIGURE 7-3
. a.g.	DEPARTMENT OF TRANSPORTATION				
	BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ı	
	PROJECT DEVELOPMENT UNIT	Width:			
	PRELIMINARY COST ESTIMATE	Depth:			
		Type:			
	Route 8 Deficiencies/Needs Study	From Sta:			
	Interchange 22 - Near Term Alternative	To Sta:			
	Route 115 at Route 313	A length of		Feet as show	n on the
	l to ma	Fat Owent	I limit	plans	Total
Pavement: Ove	Item rlay \$100tonx3"x.0575/9	Est. Quant.	Unit SF	Unit Price	Total
	ng 0"-4" \$5/SY / 9= \$.56		SF		
PAVEMENT A			SF		
17(VEIVIEI(17)	¥100/1014		SF		
			SF		
Drainage: Tota	Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
	Pavement Area Overlay (\$0.40/SF)		SF		
	(12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF		
Drainage; Cato	n Basins [\$2500]		EA.		
Drainage; Doul	ole Catch Basins [\$3500]		EA.		
Drainage; Rese	et Catch Basins [\$750.00]		EA.		
	ert Ends [\$800-\$1000]		EA.		
Curbing; BCLC	[\$4-\$10]		LF		
	foot strip of pavement X length		SF	I	
Curbing; Concr			LF		
Curbing; Grani			LF		
	0CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]		CY		
	0CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58]		CY		
	338; 500-5000/\$23; >5000/\$14]		CY		
	R-I or 3 Cable [\$20]		LF		
	R-B (350) [\$30.00]		LF LF		
Guide Railing,	Systems 2-6A [\$100] Anchors [\$1200]		EA.		
	te Barrier Curb (15" x 32")		LF.	1	
	te Barrier Curb (24" x 32")		LF		
Concrete Side			SF		
Rituminous Dri	/eway [\$40/res;\$50/commercial]		SY		
Turf Establishn			SY		
	acing Topsoil [\$8.00]		SY		
Sod [\$12.50]			SY		
Sedimentation	Control [\$4]		LF		
	New [\$100,000]	1.0	EA.	\$20,000	\$20,000
Traffic Signals;	Major Modification [\$60,000]		EA.		•
Traffic Signals;	Minor Modification [\$30,000]		EA.		
Other Expense			FT		
	125overH2O/\$375overRdwy]		SF		
	eplacement (\$150-\$200) Deck Overlay (\$15)		SF		
	ructure [\$150.00-\$200.00]		SF		
	Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
	Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrier v	/all-Timber [\$25.00]		SF	CUDTOTAL	#20.000
Claaring and C	Contract Items		2%	SUBTOTAL	\$20,000
M & P of Traffic	rubbing Roadway (2%)		2% 7%		\$400 \$1,000
Traffic Items (3			3%		\$1,000
Mobilization (7.	70) 5 0/. \		7.5%		\$1,500
Construction S			1%		\$1,500 \$0
Minor Items (20			20%		\$4,000
Inflation Factor			0%		\$0
	7	CONST		N TOTALS	\$27,900
CONTINGENC	IES [< \$50,000,000/10%] [> \$50,000,000/7%]	33.13.1	10%		\$3,000
INCIDENTALS	(<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$7,000
UTILITIES					\$0
	ENGINEERING AND ENVIRONMENTAL				
RIGHTS OF W					
	RCE ACCOUNT				
Estimated By:	Anurag Agrawal	TOTAL E	STIMA	TED COST	\$37,900
Charles d D	Miles Cutton		- 4	NA/NI O 4 O : :	
Checked By:	Mike Sutton		1.0	OWN CASH	
1					
Date of Estima	e: Dec-2010				

Page	1 of 1 STATE OF CONNECTICUT	Town of:	Seymo	ur	FIGURE 7-4
	DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Drainet #	104 164	•	
	PROJECT DEVELOPMENT UNIT	Project #: Width:	124-104		
	PRELIMINARY COST ESTIMATE	Depth:			
		Type:			
	Route 8 Deficiencies/Needs Study	From Sta:			
	Interchange 22 - Long Term Alternative	To Sta:			
	Route 115 at Route 313	A length of		Feet as show	wn on the
	Item	Est. Quant.	Unit	Unit Price	Total
Pavement: 0	Overlay \$100tonx3"x.0575/9	4,000	SF	\$1.92	\$7,700
	Milling 0"-4" \$5/SY / 9= \$.56	4,000	SF	\$0.56	\$2,200
PAVEMENT	AT \$100/TON	17,500	SF	\$5.75	\$100,600
Processed A	\ggregate Base [CY/\$41.95]	650	CY	\$41.95	\$27,300
D . T			SF		
	otal Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF SF		
Drainage, 10	otal Pavement Area Overlay (\$0.40/SF) pe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF		
Drainage, C	atch Basins [\$2500]		EA.		
Drainage; D	ouble Catch Basins [\$3500]		EA.		
	eset Catch Basins [\$750.00]		EA.		
Drainage; C	ulvert Ends [\$800-\$1000]		EA.		
	LC [\$4-\$10]		LF		
Curbing; Ad	d 1 foot strip of pavement X length		SF		
Curbing; Co Curbing; Gra	ncrete [\$30-\$40]	1,000	LF LF	\$45.00	\$45,000
Farth Exv. 6	Sinte [\$45] \$500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	1,000	CY	\$33.00	\$45,000
	5500CY/\$138; 500-2500CY/\$108;2500-5000C17\\$23, 25000C17\\$25]	1,230	CY	ψ55.00	Ψ+1,500
	00/\$38; 500-5000/\$23; >5000/\$14]		CY		
	g; R-I or 3 Cable [\$20]		LF		
Guide Railin	g; R-B (350) [\$30.00]		LF		
Guide Railin	g; Systems 2-6A [\$100]		LF		
	g; Anchors [\$1200]		EA.		
	crete Barrier Curb (15" x 32") crete Barrier Curb (24" x 32")		LF LF		
	dewalk [\$14.00]	2,600	SF	\$14.00	\$36,400
	Driveway [\$40/res;\$50/commercial]	2,000	SY	Ψ14.00	ΨΟΟ, ΨΟΟ
	hment [\$3.00]	600	SY	\$3.00	\$1,800
Furnishing 8	Placing Topsoil [\$8.00]		SY		
Sod [\$12.50			SY		
	on Control [\$4]	1.0	LF	#00.000	#00.000
	uls; New Flashing Signal Only [\$20,000] uls; Major Modification [\$60,000]	1.0	EA. EA.	\$20,000	\$20,000
	ils; Minor Modification [\$30,000]	1.0	EA.	\$30,000	\$30,000
Other Exper		1.0	FT	ψ50,000	ψου,οοο
Bridge; New	[\$425overH2O/\$375overRdwy]	2,550	SF	\$375.00	\$956,300
	Replacement (\$150-\$200) Deck Overlay (\$15)		SF		
Bridge; Sup	erstructure [\$150.00-\$200.00]		SF		
	all; Double Wall & Reinforcing Earth [\$50.00-\$60.00]	0.500	SF	#400 00	0045.000
	all; Cast-in-Place Concrete (\$80-\$130/SF)	6,500	SF SF	\$130.00	\$845,000
Noise Barrie	r Wall-Timber [\$25.00] Contract Items			SUBTOTAL	\$2,113,600
Clearing and	Grubbing Roadway (2%)		2%	JUDIOIAL	\$42,300
M & P of Tra			7%		\$148,000
Traffic Items	(3%)		3%		\$63,000
Mobilization			7.5%		\$158,500
Construction	Staking (1%)		1%		\$21,000
Minor Items			20%		\$423,000
miliation Fac	tor (6% per year)	CONST		N TOTAL O	\$0 \$2,969,400
CONTINGE	NCIES [< \$50,000,000/10%] [> \$50,000,000/7%]	CONST	10%	IT TOTALS	\$2,969,400
	LS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$742,000
UTILITIES		Yes			\$0
	RY ENGINEERING AND ENVIRONMENTAL				
RIGHTS OF					
	FORCE ACCOUNT	TATAL 7	OTIF -	TED 000=	64.000.400
Estimated B	y: Anurag Agrawal	IOIAL	=5 I IMIA	TED COST	\$4,008,400
Checked By	: Mike Sutton		TC	OWN CASH	
Date of Estin	mate: Aug-2010				

Page 1 of 1 STATE OF CONNECTICUT	Town of:	Seymoi	ır	FIGURE 7-5
DEPARTMENT OF TRANSPORTATION		-		
BUREAU OF ENGINEERING & HIGHWAY OPERATIONS PROJECT DEVELOPMENT UNIT	Project #: Width:	124-164		
PROJECT DEVELOPMENT ONLY PRELIMINARY COST ESTIMATE	Depth:			
THEE IN WHAT GOOT ESTIMATE	Type:			
Route 8 Deficiencies/Needs Study	From Sta:			
Interchange 22 - Medium Term Alternative	To Sta:			
Derby Avenue at Route 313/ West Street	A length of		Feet as show	n on the
Item	Est. Quant.	Unit	plans Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9	ESt. Quarit.	SF		TOtal
Pavement; Milling 0"-4" \$5/SY / 9= \$.56		SF		
PAVEMENT AT \$100/TON	8,100	SF	\$5.75	\$46,600
Processed Aggregate Base [CY/\$41.95]	250	CY	\$41.95	\$10,500
During and Table December 4 Area HAll Novelle Controller 4 Area (AA 00 ABD 45 00)		SF		
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF SF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF	+	
Drainage; Catch Basins [\$2500]		EA.		
Drainage; Double Catch Basins [\$3500]		EA.		
Drainage; Reset Catch Basins [\$750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1000]		EA.		
Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length		LF SF		
Curbing; Add 1 foot strip of pavement X length Curbing; Concrete [\$30-\$40]		LF		
Curbing; Granite [\$45]	550	LF	\$45.00	\$24,800
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	475	CY	\$48.00	\$22,800
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58]		CY		•
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		CY		
Guide Railing; R-I or 3 Cable [\$20]		LF		
Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100]		LF LF		
Guide Railing; Aysterns 2-0A [\$100] Guide Railing; Anchors [\$1200]		EA.	+	
Precast Concrete Barrier Curb (15" x 32")		LF		
Precast Concrete Barrier Curb (24" x 32")		LF		
Concrete Sidewalk [\$14.00]	3,275	SF	\$14.00	\$45,900
Bituminous Driveway [\$40/res;\$50/commercial]		SY		
Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00]		SY SY		
Sod [\$12.50]		SY		
Sedimentation Control [\$4]		LF		
Traffic Signals; New [\$100,000]		EA.		
Traffic Signals; Major Modification [\$60,000]		EA.		
Traffic Signals; Minor Modification [\$30,000]	1.0	EA.	\$30,000	\$30,000
Other Expense Bridge; New [\$425overH2O/\$375overRdwy]		FT SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF	+	
Bridge; Superstructure [\$150.00-\$200.00]		SF		
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrier Wall-Timber [\$25.00]		SF		# 400.000
Contract Items Clearing and Grubbing Roadway (2%)		2%	SUBTOTAL	\$180,600 \$3,600
M & P of Traffic (7%)		2% 7%		\$3,000 \$13,000
Traffic Items (3%)		3%		\$5,000
Mobilization (7.5%)		7.5%		\$13,500
Construction Staking (1%)		1%		\$2,000
Minor Items (20%)		20%		\$36,000
Inflation Factor (6% per year)	CONOT	0%	NITOTALO	\$0
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]	CONSTR	10%	N TOTALS	\$253,700 \$25,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$63,000
UTILITIES	Yes	_5,0		\$0
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				
RIGHTS OF WAY				\$50,000
RAILROAD FORCE ACCOUNT	TOTAL	-0711	TED 000=	¢ 204 ₹20
Estimated By: Anurag Agrawal	IOIALE	=5 I IMA	TED COST	\$391,700
Checked By: Mike Sutton		TC	OWN CASH	
Date of Estimate: Aug-2010				

Page 1 of 1 STATE OF CONNECTICUT	Town of: Seymour FIGU				
DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	ļ			
PROJECT DEVELOPMENT UNIT	Width:		•		
PRELIMINARY COST ESTIMATE	Depth: Type:				
Route 8 Deficiencies/Needs Study	From Sta:				
Interchange 22 - Near Term Alternative - Alt A	To Sta:				
Pearl Street at Route 313	A length of		Feet as show plans	vn on the	
Item	Est. Quant.	Unit	Unit Price	Total	
Pavement; Overlay \$100tonx3"x.0575/9	28,500	SF	\$1.92	\$54,700	
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	28,500	SF	\$0.56	\$16,000	
PAVEMENT AT \$100/TON		SF SF			
		SF			
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF SF			
Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF			
Drainage; Catch Basins [\$2500]		EA.			
Drainage; Double Catch Basins [\$3500]		EA.			
Drainage; Reset Catch Basins [\$750.00] Drainage; Culvert Ends [\$800-\$1000]		EA. EA.			
Curbing; BCLC [\$4-\$10]		LF			
Curbing; Add 1 foot strip of pavement X length		SF			
Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45]	1,250	LF LF	\$45.00	\$56,300	
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	1,200	CY	ψ+3.00	ψ50,500	
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58]		CY			
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20]		CY LF			
Guide Railing, R-1 of 3 Cable \$20 Guide Railing; R-B (350) [\$30.00]		LF LF			
Guide Railing; Systems 2-6A [\$100]		LF			
Guide Railing; Anchors [\$1200]		EA. LF			
Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32")		LF LF			
Concrete Sidewalk [\$14.00]	8,750	SF	\$14.00	\$122,500	
Bituminous Driveway [\$40/res;\$50/commercial]		SY SY			
Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00]		SY			
Sod [\$12.50]		SY			
Sedimentation Control [\$4]		LF			
Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000]		EA. EA.			
Traffic Signals; Minor Modification [\$30,000]	1.0	EA.	\$30,000	\$30,000	
Other Expense		FT			
Bridge; New [\$425overH2O/\$375overRdwy] Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF SF			
Bridge: Superstructure [\$150.00-\$200.00]		SF			
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF			
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) Noise Barrier Wall-Timber [\$25.00]		SF SF			
Contract Items			SUBTOTAL	\$279,500	
Clearing and Grubbing Roadway (2%)		2%		\$5,600	
M & P of Traffic (7%) Traffic Items (3%)		7% 3%		\$20,000	
Mobilization (7.5%)		3% 7.5%		\$8,000 \$21,000	
Construction Staking (1%)		1%		\$3,000	
Minor Items (20%)		20% 0%		\$56,000	
Inflation Factor (6% per year)	CONSTR		N TOTALS	\$0 \$393,100	
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$39,000	
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% UTILITIES		25%		\$98,000	
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				\$0	
RIGHTS OF WAY					
RAILROAD FORCE ACCOUNT	TAT: -	OTIF : :	TED 000=	MEAN 400	
Estimated By: Anurag Agrawal	IUIALE	-SIIVIA	TED COST	\$530,100	
Checked By: Mike Sutton		TO	OWN CASH		
Date of Estimate: Nov-2010					
Date C. Lettinate. 1101 2010					

Page	1 of 1	STATE OF CONNECTICUT	Town of:	Beacon	Falls	FIGURE 7-7
		DEPARTMENT OF TRANSPORTATION				
		BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ļ	
		PROJECT DEVELOPMENT UNIT	Width:			
		PRELIMINARY COST ESTIMATE	Depth:			
		Do to 0 Doffelo estados (Nove la Oto I	Type:			
		Route 8 Deficiencies/Needs Study	From Sta:			
		Interchange 23 - Medium Term Alternative Route 8 NB Off-Ramp to S Main Street	To Sta: A length of		Feet as show	n on the
		Route o NB On-Ramp to 3 Main Street	Alenginoi		plans	iii oii tiie
		Item	Est. Quant.	Unit	Unit Price	Total
Pavement:	Overlav \$	100tonx3"x.0575/9	Lot. Quant.	SF		rotar
		"-4" \$5/SY / 9= \$.56		SF		
Pavement;			1,000	SF	\$6.39	\$6,400
		Base [CY/\$41.95]	35	CY	\$41.95	\$1,500
				SF		
Drainage; 7	Total Paver	ment Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; T	Total Paver	ment Area Overlay (\$0.40/SF)		SF		
		15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF		
Drainage; (EA.		
		ch Basins [\$3500]		EA.		
		h Basins [\$750.00]		EA.	ļļ	
Drainage; (Julvert End	ls [\$800-\$1000]		EA.	ļļ	
Curbing; Bo				LF	 	
		rip of pavement X length		SF	 	
Curbing; Co				LF	 	
Curbing; G		48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	60	LF CY	¢40.00	ድ2 000
			60	CY	\$48.00	\$2,900
		138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] 00-5000/\$23; >5000/\$14]		CY		
Guido Paili	000/φ30, 30	3 Cable [\$20]		LF		
		50 [\$30.00]		LF		
		ns 2-6A [\$100]		LF		
Guide Raili	ng: Anchor	s [\$1200]		EA.		
		rier Curb (15" x 32")		LF.		
		rier Curb (24" x 32")		LF		
Concrete S				SF		
		[\$40/res;\$50/commercial]		SY		
Turf Establi				SY		
Furnishing	& Placing	Topsoil [\$8.00]		SY		
Sod [\$12.5	50]			SY		
Sedimentat	tion Contro	l [\$4]		LF		
Traffic Sign				EA.		
		Modification [\$60,000]		EA.		
		Modification [\$30,000]		EA.		
		ge Demo [\$80]		SF		
		erH2O/\$375overRdwy]		SF		
		ment (\$150-\$200) Deck Overlay (\$15)		SF		
		e [\$150.00-\$200.00]		SF		
		e Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
		n-Place Concrete (\$80-\$130/SF) nber [\$25.00]		SF SF		
Noise Barri	er wall-rim	Contract Items			SUBTOTAL	£10.000
Cloaring or	d Grubbin	g Roadway (2%)		2%	DUBIUIAL	\$10,800 \$200
M & P of Tr		y Noauway (270)		2 % 7%		\$1,000
Traffic Item				3%		\$1,000
Mobilization				7.5%		\$800
Construction		(1%)		1%		\$000 \$0
Minor Items		(170)		20%		\$2,000
Inflation Fa		er vear)		0%		\$0
	, , , , , ,		CONST		N TOTALS	\$14,800
CONTINGE	ENCIES [<	\$50,000,000/10%] [> \$50,000,000/7%]		10%		\$1,000
INCIDENTA		illion/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$4,000
UTILITIES						\$0
		NEERING AND ENVIRONMENTAL				
RIGHTS O						
RAILROAD						
Estimated I	By: Ā	nurag Agrawal	TOTAL	ESTIMA	TED COST	\$19,800
Checked D		Mika Suttan		т/	NAVAL C A CLI	
Checked B	y. IV	like Sutton		10	OWN CASH	
Date of Est	imate: A	ug-2010				
		· · · · · ·				

Page 1 of 1	STATE OF CONNECTICUT	Town of:	Naugat	uck	FIGURE 7-8
	RTMENT OF TRANSPORTATION		_		
	NGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ļ.	
	OJECT DEVELOPMENT UNIT	Width:			
PR	ELIMINARY COST ESTIMATE	Depth:			
	(. 0 D . C . 1	Type:			
	te 8 Deficiencies/Needs Study	From Sta:			
	nge 25 - Medium Term Alternative	To Sta:			41
Route	8 NB Off-Ramp to Cross Street	A length of		Feet as show	n on the
	Itam	Fot Ought	Lloit	plans Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/	ltem	Est. Quant.	Unit SF	Unit Price	rotai
Pavement; Milling 0"-4" \$5/SY / 9= \$.			SF		
Pavement; \$100/TON	.50	800	SF	\$6.39	\$5,100
Processed Aggregate Base [CY/\$41.95]	1	25	CY	\$41.95	\$1,000
1 Tocessed Aggregate Dase C 17#41.95		25	SF	ψ+1.95	ψ1,000
Drainage; Total Pavement Area "All Nev	v" [Suburban \$4 00 - CBD \$5 00]		SF		
Drainage; Total Pavement Area Overlay			SF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$5			LF		
Drainage; Catch Basins [\$2500]	νον φουν φουν φουν φουν φουν φουν φουν φ		EA.		
Drainage; Double Catch Basins [\$3500	1		EA.		
Drainage; Reset Catch Basins [\$750.00			EA.		
Drainage; Culvert Ends [\$800-\$1000]	•		EA.		
Curbing; BCLC [\$4-\$10]			LF		
Curbing; Add 1 foot strip of pavement X	length		SF		
Curbing; Concrete [\$30-\$40]			LF		
Curbing; Granite [\$45]			LF		
Earth Exv. [<500CY/\$48; 500-2500CY/\$	33; 2500-5000CY/\$25; >5000CY/\$201	50	CY	\$48.00	\$2,400
Rock Exv. [<500CY/\$138; 500-2500CY/			CY		· '
Borrow [<500/\$38; 500-5000/\$23; >500			CY		
Guide Railing; R-I or 3 Cable [\$20]			LF		
Guide Railing; R-B (350) [\$30.00]			LF		
Guide Railing; Systems 2-6A [\$100]			LF		
Guide Railing; Anchors [\$1200]			EA.		
Precast Concrete Barrier Curb (15" x 32			LF		
Precast Concrete Barrier Curb (24" x 32	(")		LF		
Concrete Sidewalk [\$14.00]			SF		
Bituminous Driveway [\$40/res;\$50/com	mercial]		SY		
Turf Establishment [\$3.00]			SY		
Furnishing & Placing Topsoil [\$8.00]			SY		
Sod [\$12.50]			SY		
Sedimentation Control [\$4]			LF		
Traffic Signals; New [\$100,000]			EA.		
Traffic Signals; Major Modification [\$60,			EA.		
Traffic Signals; Minor Modification [\$30,	000		EA.		
Other Expense - Bridge Demo [\$80]			SF		
Bridge; New [\$425overH2O/\$375overRo			SF		
Bridge: Deck Replacement (\$150-\$200)			SF		
Bridge; Superstructure [\$150.00-\$200.0			SF		
Retaining Wall; Double Wall & Reinforci			SF		
Retaining Wall; Cast-in-Place Concrete	(\$80-\$130/SF)		SF		
Noise Barrier Wall-Timber [\$25.00]			SF	CUDTOTAL	Φ0 5 00
	act Items			SUBTOTAL	\$8,500
Clearing and Grubbing Roadway (2%)			2%		\$200
M & P of Traffic (7%)			7% 3%		\$1,000
Traffic Items (3%)			3%		\$0 \$600
Mobilization (7.5%)			7.5%		\$600
Construction Staking (1%)			1% 20%		\$0 \$2,000
Minor Items (20%) Inflation Factor (6% per year)			20% 0%		\$2,000 \$0
mmation ractor to 70 per year)		CONST		N TOTALS	\$12,300
CONTINGENCIES [< \$50,000,000/10%	1 (> \$50 000 000/7%)	0011011	10%	N IOIALS	\$1,000
	illion/21%, \$5-10 million/15%, >\$50m/12%		25%		\$3,000
UTILITIES			_5/0		\$0 \$0
PRELIMINARY ENGINEERING AND EI	NVIRONMENTAL				Ψ.
RIGHTS OF WAY					
RAILROAD FORCE ACCOUNT					
Estimated By: Anurag Agrawal		TOTAL E	STIMA	TED COST	\$16,300
					,
Checked By: Mike Sutton			TO	OWN CASH	
Date of Estimate: Aug-2010					

Page 1 of 1 STATE OF CONNECTICUT	Town of:	uck	FIGURE 7-9	
DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ı	(2 sheets)
PROJECT DEVELOPMENT UNIT	Width:		-	
PRELIMINARY COST ESTIMATE	Depth:			
Route 8 Deficiencies/Needs Study	Type: From Sta:			
Interchange 25 - Medium Term Alternative	To Sta:			
Route 8 Ramps at Cross Street - Roundabout	A length of		Feet as show	vn on the
Cross Street at Cotton Hollow Road Item	Est. Quant.	Unit	plans Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9	51,500	SF	\$1.92	\$98,900
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	51,500	SF	\$0.56	\$28,800
Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95]	12,680 450	SF CY	\$5.75 \$41.95	\$72,900 \$18,900
1 Tocesseu Aggregate base [OTTIPHT.90]	+30	SF	Ψ+1.93	ψ10,900
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		SF LF		
Drainage; Catch Basins [\$2500]		EA.		
Drainage; Double Catch Basins [\$3500]		EA.		
Drainage; Reset Catch Basins [\$750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10]		EA. LF		
Curbing; Add 1 foot strip of pavement X length		SF		
Curbing; Concrete [\$30-\$40]	4.000	LF	0.45.00	0.400 000
Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	4,200 825	LF CY	\$45.00 \$33.00	\$189,000 \$27,200
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000CY/\$23, >5000CY/\$28]	023	CY	φ33.00	φ2 <i>1</i> ,200
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		CY		
Guide Railing; R-I or 3 Cable [\$20]		LF LF		
Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100]		LF		
Guide Railing; Anchors [\$1200]		EA.		
Precast Concrete Barrier Curb (15" x 32")	750	LF	\$50.00	\$37,500
Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00]	4,625	LF SF	\$14.00	\$64,800
Bituminous Driveway [\$40/res;\$50/commercial]	60	SY	\$50.00	\$3,000
Turf Establishment [\$3.00]	1,250	SY	\$3.00	\$3,800
Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50]		SY SY		
Sedimentation Control [\$4]		LF		
Traffic Signals; New [\$100,000]		EA.		
Traffic Signals; Major Modification [\$60,000]		EA.		
Traffic Signals; Minor Modification [\$30,000] Other Expense;		EA. SF		
Bridge; New [\$425overH2O/\$375overRdwy]		SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF		
Bridge; Superstructure [\$150.00-\$200.00] Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrier Wall-Timber [\$25.00]		SF		
Contract Items		2%	SUBTOTAL	\$544,800
Clearing and Grubbing Roadway (2%) M & P of Traffic (7%)		2% 7%		\$10,900 \$38,000
Traffic Items (3%)		3%		\$16,000
Mobilization (7.5%)		7.5%		\$40,900
Construction Staking (1%) Minor Items (20%)		1% 20%		\$5,000 \$109,000
Inflation Factor (6% per year)		0%		\$0
	CONST		N TOTALS	\$764,600
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		10% 25%		\$76,000 \$191,000
UTILITIES	Yes	20/0		\$191,000
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				Ŧ -
RIGHTS OF WAY				
RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal	TOTAL I	ESTIMA	TED COST	\$1,031,600
				, .,,
Checked By: Mike Sutton		T	OWN CASH	
Date of Estimate: Nov-2010				

Page 1 of 1 STATE OF CONNECTICUT	Town of: Naugatuck			FIGURE 7-10
DEPARTMENT OF TRANSPORTATION	D			
BUREAU OF ENGINEERING & HIGHWAY OPERATIONS PROJECT DEVELOPMENT UNIT	Project #: Width:	124-164		
PRELIMINARY COST ESTIMATE	Depth:			
	Type:			
Route 8 Deficiencies/Needs Study	From Sta: To Sta:			
Interchange 26 - Medium Term Alternative Route 8 NB Off-Ramp to Route 63	A length of		Feet as show	n on the
Route of Ramp to Route of	/ longar or		plans	iii oii uio
<u>Item</u>	Est. Quant.	Unit	Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9 Pavement; Milling 0"-4" \$5/SY / 9= \$.56		SF SF		
Pavement; Milling 0"-4" \$5/SY / 9= \$.56 Pavement; \$100/TON	4,000	SF	\$6.39	\$25,600
Processed Aggregate Base [CY/\$41.95]	125	CY	\$41.95	\$5,200
		SF		
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		SF LF	+	
Drainage; Catch Basins [\$2500]		EA.		
Drainage; Double Catch Basins [\$3500]		EA.		
Drainage; Reset Catch Basins [\$750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10]		EA. LF		
Curbing; BCLC [54-510] Curbing; Add 1 foot strip of pavement X length		SF		
Curbing; Concrete [\$30-\$40]		LF		
Curbing; Granite [\$45]		LF		
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	235	CY	\$48.00	\$11,300
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		CY CY		
Guide Railing; R-I or 3 Cable [\$20]		LF		
Guide Railing; R-B (350) [\$30.00]		LF		
Guide Railing; Systems 2-6A [\$100]		LF		
Guide Railing; Anchors [\$1200]		EA.		
Precast Concrete Barrier Curb (15" x 32")		LF LF		
Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00]		SF		
Bituminous Driveway [\$40/res;\$50/commercial]		SY		
Turf Establishment [\$3.00]		SY		
Furnishing & Placing Topsoil [\$8.00]		SY		
Sod [\$12.50] Sedimentation Control [\$4]		SY LF		
Traffic Signals; New [\$100,000]		EA.		
Traffic Signals; Major Modification [\$60,000]		EA.		
Traffic Signals; Minor Modification [\$30,000]		EA.		
Other Expense - Bridge Demo [\$80]		SF		
Bridge; New [\$425overH2O/\$375overRdwy] Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF SF		
Bridge; Superstructure [\$150.00-\$200.00]		SF		
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrier Wall-Timber [\$25.00]		SF	LIDTOTAL	#40.400
Contract Items Clearing and Grubbing Roadway (2%)		2%	SUBTOTAL	\$42,100 \$800
M & P of Traffic (7%)		7%		\$3,000
Traffic Items (3%)		3%		\$1,000
Mobilization (7.5%)		7.5%		\$3,200
Construction Staking (1%)		1%		\$0
Minor Items (20%) Inflation Factor (6% per year)		20% 0%		\$8,000 \$0
initiation i dotoi (0 /0 poi year)	CONSTR		N TOTALS	\$58,100
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$6,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%	.,	25%		\$15,000
UTILITIES DDELIMINARY ENCINEEDING AND ENVIRONMENTAL	Yes			\$0
PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY				
RAILROAD FORCE ACCOUNT				
Estimated By: Anurag Agrawal	TOTAL E	STIMA	TED COST	\$79,100
		Ŧ.	NA/AL C & O. !	
Checked By: Mike Sutton		10	OWN CASH	
Date of Estimate: Aug-2010				

Page 1 of 1 STATE OF CONNECTICUT	Town of:	Naugat	uck	FIGURE 7-11
DEPARTMENT OF TRANSPORTATION		_		
BUREAU OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ļ	
PROJECT DEVELOPMENT UNIT	Width:			
PRELIMINARY COST ESTIMATE	Depth:			
Pouto 9 Deficiencies/Needs Study	Type: From Sta:			
Route 8 Deficiencies/Needs Study Interchange 26 - Long Term Alternative (Alt C)	To Sta:			
Route 8 NB Off-Ramp/Route 63 Realign NB Off-Ramp	A length of		Feet as show	un on the
Route o NB On-Ramp/Route of Realign NB On-Ramp	Alenguio		plans	WII OII tile
Item	Est. Quant.	Unit	Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9	65,000	SF	\$1.92	\$124,800
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	65,000	SF	\$0.56	\$36,400
Pavement; \$100/TON	21,715	SF	\$5.75	\$124,900
Pavement; \$100/TON	25,200	SF	\$6.39	\$161,000
Processed Aggregate Base [CY/\$41.95]	2,700	CY	\$41.95	\$113,300
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]	<u> </u>	SF		
Drainage; Total Pavement Area Overlay (\$0.40/SF)	<u> </u>	SF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]	<u> </u>	LF		
Drainage; Catch Basins [\$2500]	 	EA.		
Drainage; Double Catch Basins [\$3500]	<u> </u>	EA.		
Drainage; Reset Catch Basins [\$750.00]		EA.	 	
Drainage; Culvert Ends [\$800-\$1000]		EA. LF		
Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length		SF	1	
		LF		
Curbing; Concrete [\$30-\$40]	3,400	LF LF	\$45.00	\$153,000
Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	4,550	CY	\$45.00	\$153,000
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000CY/\$23, >5000CY/\$20]	4,550	CY	φ25.00	\$113,000
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]	_	CY		
Guide Railing; R-I or 3 Cable [\$20]		LF		
Guide Railing; R-B (350) [\$30.00]		LF		
Guide Railing; N-B (656) [\$50.60] Guide Railing; Systems 2-6A [\$100]		LF		
Guide Railing; Anchors [\$1200]		EA.		
Precast Concrete Barrier Curb (15" x 32")		LF		
Precast Concrete Barrier Curb (24" x 32")		LF		
Concrete Sidewalk [\$14.00]	4,250	SF	\$14.00	\$59,500
Bituminous Driveway [\$40/res;\$50/commercial]		SY	,	+ ,
Turf Establishment [\$3.00]	4,450	SY	\$3.00	\$13,400
Furnishing & Placing Topsoil [\$8.00]		SY		
Sod [\$12.50]		SY		
Sedimentation Control [\$4]		LF		
Traffic Signals; New [\$100,000]	1.0	EA.	\$100,000	\$100,000
Traffic Signals; Major Modification [\$60,000]	<u> </u>	EA.		
Traffic Signals; Minor Modification [\$30,000]	1.0	EA.	\$30,000	\$30,000
Other Expense	ļ	FT		
Bridge; New [\$425overH2O/\$375overRdwy]	<u> </u>	SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)	<u> </u>	SF		
Bridge; Superstructure [\$150.00-\$200.00]	00.500	SF	000.00	#4.050.000
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]	22,500	SF	\$60.00	\$1,350,000
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)	-	SF		
Noise Barrier Wall-Timber [\$25.00]		SF	CUDTOTAL	#0.000.400
Contract Items		2%	SUBTOTAL	\$2,380,100
Clearing and Grubbing Roadway (2%) M & P of Traffic (7%)		2% 7%		\$47,600 \$167,000
Traffic Items (3%)		3%		\$71,000
Mobilization (7.5%)		3% 7.5%		\$71,000 \$178,500
Construction (7.5%)		1%		\$24,000
Minor Items (20%)		20%		\$476,000
Inflation Factor (6% per year)		0%		\$ 4 70,000
	CONSTI		Ν ΤΩΤΔΙ S	\$3,344,200
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$334,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$836,000
UTILITIES	Yes	, •		\$0
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				•
RIGHTS OF WAY				\$45,000
RAILROAD FORCE ACCOUNT				
Estimated By: Anurag Agrawal	TOTAL	STIMA	TED COST	\$4,559,200
			NAME 0 : 0: :	
Ole and the all Decomposition Million Coulting		т/	OWN CASH	
Checked By: Mike Sutton		1	JIIII OAOII	
Checked By: Mike Sutton Date of Estimate: Aug-2010			JWW OAON	

STATE OF CONNECTICUT Page 1 of 1 Town of: Naugatuck FIGURE 7-12 DEPARTMENT OF TRANSPORTATION **BUREAU OF ENGINEERING & HIGHWAY OPERATIONS** Project #: 124-164 PROJECT DEVELOPMENT UNIT Width: PRELIMINARY COST ESTIMATE Depth: Type: Route 8 Deficiencies/Needs Study From Sta: Interchange 27 - Long Term Alternative - Alt A To Sta: Route 8 Ramps at Maple Street & Oak Street A length of Feet as shown on the plans Est. Quant. Unit Unit Price Item Total Pavement; Overlay \$100tonx3"x.0575/9 \$1.92 \$33,100 17,250 SF 17,250 SF \$9,700 Pavement; Milling 0"-4" \$5/SY / 9= \$.56 \$0.56 Pavement: \$100/TON 5.000 SF \$5.75 \$28,800 Pavement: \$100/TON SF \$44,700 7.000 \$6.39 Processed Aggregate Base [CY/\$41.95] 620 CY \$41.95 \$26,000 Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] SF Drainage; Total Pavement Area Overlay (\$0.40/SF) SF Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] LF Drainage; Catch Basins [\$2500] EΑ Drainage; Double Catch Basins [\$3500] EA. Drainage; Reset Catch Basins [\$750.00] EΑ Drainage; Culvert Ends [\$800-\$1000] EA. Curbing; BCLC [\$4-\$10] LF Curbing; Add 1 foot strip of pavement X length SF Curbing; Concrete [\$30-\$40] LF Curbing; Granite [\$45] 750 LF \$45.00 \$33,800 Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] 1.050 CY \$33.00 \$34,700 Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] CY Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] CY Guide Railing; R-I or 3 Cable [\$20] LF Guide Railing; R-B (350) [\$30.00] LF Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] LF EΑ Precast Concrete Barrier Curb (15" x 32") \$80,000 1,600 LF \$50.00 Precast Concrete Barrier Curb (24" x 32") LF Concrete Sidewalk [\$14.00] 3,500 SF \$14.00 \$49,000 Bituminous Driveway [\$40/res;\$50/commercial] 30 SY \$50.00 \$1,500 Turf Establishment [\$3.00] 1.000 SY \$3.00 \$3,000 Furnishing & Placing Topsoil [\$8.00] SY Sod [\$12.50] Sedimentation Control [\$4] 1,750 LF \$4.00 \$7,000 ĒΑ Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] 1.0 EA. \$60.000 \$60,000 Traffic Signals; Minor Modification [\$30,000] EΑ 1.0 Other Expense: Bridge Demo [\$80.00] \$1,527,600 LS \$1,527,552 Bridge; New [\$425overH2O/\$375overRdwy] \$12,716,000 29.920 SF \$425.00 Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15) SF Bridge; Superstructure [\$150.00-\$200.00] SF Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00] SF Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) 11,200 SF \$130.00 \$1,456,000 Noise Barrier Wall-Timber [\$25.00] SF **SUBTOTAL** \$16,110,900 **Contract Items** 2% Clearing and Grubbing Roadway (2%) \$322,200 M & P of Traffic (7%) 7% \$1,128,000 Traffic Items (3%) 3% \$483,000 Mobilization (7.5%) 7.5% \$1,208,300 Construction Staking (1%) 1% \$161,000 Minor Items (20%) 20% \$3,222,000 Inflation Factor (6% per year) 0% \$0 CONSTRUCTION TOTALS \$22.635,400 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$2.264.000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$5,659,000 UTILITIES \$0 Yes PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY \$1,030,000 RAILROAD FORCE ACCOUNT TOTAL ESTIMATED COST \$31,588,400 Estimated By: Anurag Agrawal Checked By: Mike Sutton **TOWN CASH** Date of Estimate: Aug-2010

Page 1 of 1 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & HIGHWAY OPERATIONS PROJECT DEVELOPMENT UNIT PRELIMINARY COST ESTIMATE	Project #: Width: Depth: Type:			
PROJECT DEVELOPMENT UNIT PRELIMINARY COST ESTIMATE	Width: Depth:		•	
PRELIMINARY COST ESTIMATE	Depth:			
B. 4. 6 B. (1.1. 1.1. 1.1. 64. 1.				
Route 8 Deficiencies/Needs Study	From Sta:			
Interchange 27 - Long Term Alternative Route 8 NB Off-Ramp/N Main Street	To Sta: A length of		Feet as show	ın on the
Route o No On-Rampin Main Street	Alenguror		plans	ni on the
Item	Est. Quant.	Unit	Unit Price	Total
Pavement; Overlay \$100tonx3"x.0575/9	5,055	SF	\$1.92	\$9,700
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	5,055	SF	\$0.56	\$2,800
Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95]	15,200 950	SF CY	\$6.39 \$41.95	\$97,100 \$39,900
1 10003300 Aggregate Base 0 1704 1.30	330	SF	Ψ+1.55	ψ00,000
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF		
Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF		
Drainage; Catch Basins [\$2500] Drainage; Double Catch Basins [\$3500]		EA. EA.	1	
Drainage; Reset Catch Basins [\$750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1000]		EA.		
Curbing; BCLC [\$4-\$10]		LF		
Curbing; Add 1 foot strip of pavement X length		SF		
Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45]	1,550	LF LF	\$45.00	\$69,800
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	1,550	CY	\$45.00	\$69,800 \$51,200
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58]	1,000	CY	ψοσ.σσ	ψ51,200
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		CY		
Guide Railing; R-I or 3 Cable [\$20]		LF		
Guide Railing; R-B (350) [\$30.00]		LF		
Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200]		LF EA.		
Precast Concrete Barrier Curb (15" x 32")		LF		
Precast Concrete Barrier Curb (24" x 32")		LF		
Concrete Sidewalk [\$14.00]		SF		
Bituminous Driveway [\$40/res;\$50/commercial]		SY	***	0.1 - 0.0
Turf Establishment [\$3.00]	1,575	SY SY	\$3.00	\$4,700
Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50]		SY		
Sedimentation Control [\$4]		LF		
Traffic Signals; New [\$100,000]		EA.		
Traffic Signals; Major Modification [\$60,000]		EA.		
Traffic Signals; Minor Modification [\$30,000]		EA.		
Other Expense Bridge; New [\$425overH2O/\$375overRdwy]		FT SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF		
Bridge; Superstructure [\$150.00-\$200.00]		SF		
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)		SF		
Noise Barrier Wall-Timber [\$25.00] Contract Items		SF	SUBTOTAL	\$275,200
Clearing and Grubbing Roadway (2%)		2%	OBIOIAL	\$5,500
M & P of Traffic (7%)		7%		\$19,000
Traffic Items (3%)		3%		\$8,000
Mobilization (7.5%)		7.5%		\$20,600
Construction Staking (1%) Minor Items (20%)		1% 20%		\$3,000 \$55,000
Inflation Factor (6% per year)		0%		\$55,000 \$0
	CONSTI		N TOTALS	\$386,300
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$39,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$97,000
UTILITIES PRELIMINARY ENGINEERING AND ENVIRONMENTAL	Yes			\$0
RIGHTS OF WAY				
RAILROAD FORCE ACCOUNT				
Estimated By: Anurag Agrawal	TOTAL	STIMA	TED COST	\$522,300
Chacked By: Mike Sutten		т/	WIN CACH	
Checked By: Mike Sutton		10	OWN CASH	
Date of Estimate: Aug-2010				

STATE OF CONNECTICUT Page 1 of 1 Town of: Naugatuck FIGURE 7-14 DEPARTMENT OF TRANSPORTATION **BUREAU OF ENGINEERING & HIGHWAY OPERATIONS** Project #: 124-164 PROJECT DEVELOPMENT UNIT Width: PRELIMINARY COST ESTIMATE Depth: Type: Route 8 Deficiencies/Needs Study From Sta: Interchange 27 - Long Term Alternative To Sta: Route 8 SB Ramps A length of Feet as shown on the plans Est. Quant. Unit Unit Price Item Total Pavement; Overlay \$100tonx3"x.0575/9 \$1.92 \$9,400 4,900 SF SF 4,900 \$2,700 Pavement; Milling 0"-4" \$5/SY / 9= \$.56 \$0.56 SF Pavement: \$100/TON 12.565 \$80,300 \$6.39 720 CY Processed Aggregate Base [CY/\$41.95] \$41.95 \$30,200 SF Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] SF Drainage; Total Pavement Area Overlay (\$0.40/SF) SF Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] LF Drainage; Catch Basins [\$2500] EA. Drainage; Double Catch Basins [\$3500] EA. Drainage; Reset Catch Basins [\$750.00] EΑ Drainage; Culvert Ends [\$800-\$1000] EΑ Curbing; BCLC [\$4-\$10] ΙF Curbing; Add 1 foot strip of pavement X length SF Curbing; Concrete [\$30-\$40] LF Curbing; Granite [\$45] 750 LF \$45.00 \$33,800 Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] 1.200 CY \$33.00 \$39,600 Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] CY Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] CY Guide Railing; R-I or 3 Cable [\$20] LF Guide Railing; R-B (350) [\$30.00] LF 1.700 \$30.00 \$51.000 Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] LF EΑ Precast Concrete Barrier Curb (15" x 32") \$82,500 1,650 LF \$50.00 Precast Concrete Barrier Curb (24" x 32") LF Concrete Sidewalk [\$14.00] 24,000 SF \$14.00 \$336,000 SY Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] SY 7,065 \$3.00 \$21,200 Furnishing & Placing Topsoil [\$8.00] SY Sod [\$12.50] SY Sedimentation Control [\$4] 1,700 LF \$4.00 \$6,800 EΑ Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] EA. Traffic Signals; Minor Modification [\$30,000] EΑ Other Expense FΤ Bridge; New [\$425overH2O/\$375overRdwy] SF 7.616 \$425.00 \$3,236,800 Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15) SF Bridge; Superstructure [\$150.00-\$200.00] SF Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00] SF Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) 11,200 SF \$130.00 \$1,456,000 Noise Barrier Wall-Timber [\$25.00] SF **SUBTOTAL** \$5,386,300 **Contract Items** 2% Clearing and Grubbing Roadway (2%) \$107,700 M & P of Traffic (7%) 7% \$377,000 Traffic Items (3%) 3% \$162,000 Mobilization (7.5%) 7.5% \$404,000 Construction Staking (1%) 1% \$54,000 Minor Items (20%) 20% \$1,077,000 Inflation Factor (6% per year) 0% \$0 CONSTRUCTION TOTALS \$7.568.000 CONTINGENCIES [< \$50.000,000/10%] [> \$50.000,000/7%] 10% \$757.000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$1,892,000 UTILITIES Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY **RAILROAD FORCE ACCOUNT** TOTAL ESTIMATED COST \$10,217,000 Estimated By: Anurag Agrawal Checked By: Mike Sutton **TOWN CASH** Date of Estimate: Aug-2010

Pavement; Overlay \$100tonx3"x.0575/9 Pavement; Milling 0"-4" \$5/SY / 9= \$.56 Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Catch Basins [\$3500] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; BCLC [\$4-\$10] Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; Systems 2-6A [\$100] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sed [\$12.50] Sedimentation Control [\$4] Traffic Signals; Minor Modification [\$60,000] Other Expense (Overhead Sign Support & Foundation)	Project #: Width: Depth: Type: From Sta: To Sta: A length of Est. Quant. 12,700 550 750 950	Unit SF SF SF CY SF SF EA. EA. EA. LF CY CY CY LF	Feet as show plans Unit Price \$6.39 \$41.95 \$45.00 \$33.00	\$81,200 \$81,200 \$23,100 \$33,800 \$31,400
PROJECT DEVELOPMENT UNIT PRELIMINARY COST ESTIMATE Route 8 Deficiencies/Needs Study Interchange 28 - Medium Term Alternative Route 8 NB Off-Ramp to N. Main Street Pavement; Overlay \$100tonx3"x.0575/9 Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Catch Basins [\$3500] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$48; 500-5000/\$23; >5000/\$14] Guide Railing; R-B (350) [\$30.00] Guide Railing; R-B (350) [\$30.00] Guide Railing; R-B (350) [\$30.00] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (15"	Width: Depth: Type: From Sta: To Sta: A length of Est. Quant. 12,700 550	Unit SF SF SF CY SF SF EA. EA. EA. LF CY CY CY LF	Feet as show plans Unit Price \$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Route 8 Deficiencies/Needs Study Interchange 28 - Medium Term Alternative Route 8 NB Off-Ramp to N. Main Street Item	Depth: Type: From Sta: To Sta: A length of Est. Quant. 12,700 550	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Route 8 Deficiencies/Needs Study Interchange 28 - Medium Term Alternative Route 8 NB Off-Ramp to N. Main Street	Type: From Sta: To Sta: A length of Est. Quant. 12,700 550	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Interchange 28 - Medium Term Alternative Route 8 NB Off-Ramp to N. Main Street	From Sta: To Sta: A length of Est. Quant. 12,700 550 750	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Interchange 28 - Medium Term Alternative Route 8 NB Off-Ramp to N. Main Street	To Sta: A length of Est. Quant. 12,700 550 750	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Item	A length of Est. Quant. 12,700 550 750	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Item Pavement; Overlay \$100tonx3"x.0575/9 Pavement; Milling 0"-4" \$5/SY / 9= \$.56 Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Catch Basins [\$2500] Drainage; Catch Basins [\$2500] Drainage; Culvert Ends [\$800] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Granite [\$45] Earth Exv. <500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. <500CY/\$138; 500-5000/\$23; >5000/\$14] Guide Railing; R-B (350) [\$30.00] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$1.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; Mijor Modification [\$60,000]	12,700 550	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95	\$81,200 \$23,100 \$33,800
Pavement; Overlay \$100tonx3"x.0575/9	12,700 550 750	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95 \$45.00	\$81,200 \$23,100 \$33,800
Pavement; Overlay \$100tonx3"x.0575/9	12,700 550 750	SF SF SF SF SF LF EA. EA. LF CY CY CY LF	\$6.39 \$41.95 \$45.00	\$81,200 \$23,100 \$33,800
Pavement; Milling 0"-4" \$5/SY / 9= \$.56 Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Double Catch Basins [\$3500] Drainage; Reset Catch Basins [\$750.00] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$108;2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$48; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)	750	SF SF CY SF SF LF EA. EA. LF CY CY CY LF	\$41.95	\$23,100
Pavement; \$100/TON Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15" - 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Pipe (12" - 15" - 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Couble Catch Basins [\$3500] Drainage; Reset Catch Basins [\$750.00] Drainage; Reset Catch Basins [\$750.00] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$48; 500-2500CY/\$108;2500-5000/\$82 > 5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-1 or 3 Cable [\$20] Guide Railing; R-8 (350) [\$30.00] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100.000] Traffic Signals; Minor Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)	750	SF CY SF SF LF EA. EA. LF CY CY CY LF	\$41.95	\$23,100
Processed Aggregate Base [CY/\$41.95] Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] Drainage; Total Pavement Area Overlay (\$0.40/SF) Drainage; Pipe (12" - 15" - 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Double Catch Basins [\$3500] Drainage; Reset Catch Basins [\$750.00] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Mey [\$100,000] Traffic Signals; Minor Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)	750	CY SF SF LF EA. EA. LF CY CY CY LF	\$41.95	\$23,100
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]	750	SF SF SF LF EA. EA. EA. LF SF LF CY CY CY LF LF LF LF	\$45.00	\$33,800
Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF SF LF EA. EA. LF SF LF CY CY LF		
Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF LF EA. EA. EA. LF SF LF CY CY CY LF LF LF LF		
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] Drainage; Catch Basins [\$2500] Drainage; Double Catch Basins [\$3500] Drainage; Reset Catch Basins [\$750.00] Drainage; Culvert Ends [\$800-\$1000] Curbing; BCLC [\$4-\$10] Curbing; Goncrete [\$30-\$40] Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$48; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; Systems 2-6A [\$100] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF EA. EA. EA. LF SF LF CY CY LF		
Drainage; Catch Basins [\$2500]		EA. EA. EA. LF SF LF CY CY LF		
Drainage; Double Catch Basins [\$3500]		EA. EA. LF SF LF CY CY LF		
Drainage; Reset Catch Basins [\$750.00]		EA. EA. LF SF LF CY CY LF LF LF LF LF LF LF		
Drainage; Culvert Ends [\$800-\$1000]		EA. LF SF LF CY CY CY LF LF LF LF LF LF		
Curbing; BCLC [\$4-\$10] Curbing; Add 1 foot strip of pavement X length Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Systems 2-6A [\$100] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF SF LF CY CY CY LF LF LF LF		
Curbing; Add 1 foot strip of pavement X length Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		SF LF CY CY CY LF LF LF LF		
Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Other Expense (Overhead Sign Support & Foundation)		LF CY CY CY LF LF LF EA.		
Curbing; Granite [\$45] Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF CY CY CY LF LF EA. LF		
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Other Expense (Overhead Sign Support & Foundation)		CY CY CY LF LF EA. LF		
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Other Expense (Overhead Sign Support & Foundation)		CY CY LF LF EA. LF	Ψ33.33	Ψοι, 100
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		CY LF LF LF EA. LF		
Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF LF LF EA. LF		
Guide Railing; R-B (350) [\$30.00] Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF EA. LF		
Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF EA. LF		
Guide Railing; Anchors [\$1200] Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF		
Precast Concrete Barrier Curb (15" x 32") Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF		1
Precast Concrete Barrier Curb (24" x 32") Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)				
Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF		
Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		SF		
Turf Establishment [\$3.00] Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		SY		
Furnishing & Placing Topsoil [\$8.00] Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)	850	SY	\$3.00	\$2,600
Sod [\$12.50] Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		SY		, , , , , , , , , , , , , , , , , , , ,
Sedimentation Control [\$4] Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		SY		
Traffic Signals; New [\$100,000] Traffic Signals; Major Modification [\$60,000] Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		LF		
Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		EA.		
Traffic Signals; Minor Modification [\$30,000] Other Expense (Overhead Sign Support & Foundation)		EA.		
Other Expense (Overhead Sign Support & Foundation)		EA.		
	1	EA.	\$80,000	\$80,000
Bridge; New [\$425overH2O/\$375overRdwy]		SF		
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)		SF		
Bridge; Superstructure [\$150.00-\$200.00]		SF		
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]		SF		
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)	8,700	SF	\$130.00	\$1,131,000
Noise Barrier Wall-Timber [\$25.00]	·	SF	·	
Contract Items		9	SUBTOTAL	\$1,383,100
Clearing and Grubbing Roadway (2%)		2%		\$27,700
M & P of Traffic (7%)		7%		\$97,000
Traffic Items (3%)		3%		\$41,000
Mobilization (7.5%)		7.5%		\$103,700
Construction Staking (1%)		1%		\$14,000
Minor Items (20%)		20%		\$277,000
Inflation Factor (6% per year)		0%		\$0
	CONST		N TOTALS	\$1,943,500
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$194,000
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$486,000
UTILITIES	Yes			\$0
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				
RIGHTS OF WAY				ļ
RAILROAD FORCE ACCOUNT		OT::-:	TED 222	AA AAA TA
Estimated By: Anurag Agrawal	TAT::-	TOTAL ESTIMATED COST \$2,623,5		
Checked By: Mike Sutton	TOTAL E	TOWN CACL		
Checked By: Mike Sutton	TOTAL E	T	JWN CV6H	
Date of Estimate: Aug-2010	TOTAL E	TC	OWN CASH	ŀ
	TOTAL E	TC	OWN CASH	

Page 1 of 1 STATE OF CONNECTICUT	Town of:	Naugat	FIGURE 7-16		
DEPARTMENT OF TRANSPORTATION	Deci- et #.	404.404	•		
BUREAU OF ENGINEERING & HIGHWAY OPERATIONS PROJECT DEVELOPMENT UNIT	Project #: Width:	124-164	•		
PROJECT DEVELOPMENT UNIT PRELIMINARY COST ESTIMATE					
PRELIMINARY COST ESTIMATE	Depth: Type:				
Pouto 9 Deficiencies/Neede Study	From Sta:				
Route 8 Deficiencies/Needs Study Interchange 28 - Long Term Alternative	To Sta:				
Route 8 Ramps at N Main Street & Union City Street	A length of		Feet as show	un on the	
Route o Ramps at N Main Street & Officin City Street	Alenginoi		plans	WII OII III C	
Item	Est. Quant.	Unit	Unit Price	Total	
Pavement; Overlay \$100tonx3"x.0575/9	83,000	SF	\$1.92	\$159,400	
Pavement; Milling 0"-4" \$5/SY / 9= \$.56	83,000	SF	\$0.56	\$46,500	
Pavement; \$100/TON	40,000	SF	\$5.75	\$230,000	
Processed Aggregate Base [CY/\$41.95]	1,200	CY	\$41.95	\$50,300	
1 Toccssed Aggregate Dase [OT/\$\psi 1.00]	1,200		ψ-1.55	ψ50,500	
Drainage; Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00]		SF			
Drainage; Total Pavement Area Overlay (\$0.40/SF)		SF			
Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210]		LF			
Drainage; Catch Basins [\$2500]		EA.			
Drainage; Double Catch Basins [\$3500]		EA.			
Drainage; Reset Catch Basins [\$750.00]		EA.			
Drainage; Culvert Ends [\$800-\$1000]		EA.			
Curbing; BCLC [\$4-\$10]		LF.			
Curbing, Add 1 foot strip of pavement X length		SF			
Curbing; Add 1 loot strip of pavement X length Curbing; Concrete [\$30-\$40]		LF			
Curbing, Concrete [\$50-\$40] Curbing; Granite [\$45]	2,100	LF LF	\$45.00	\$94,500	
Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	2,100	CY	\$33.00	\$94,500 \$75,900	
Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000CY/\$25, >5000CY/\$20]	2,300	CY	\$33.00	Φ75,900	
		CY			
Borrow [<500/\$38; 500-5000/\$23; >5000/\$14]		LF			
Guide Railing; R-I or 3 Cable [\$20] Guide Railing; R-B (350) [\$30.00]		LF LF			
		LF LF			
Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200]		EA.			
		LF			
Precast Concrete Barrier Curb (15" x 32")		<u>LF</u>			
Precast Concrete Barrier Curb (24" x 32")	12.000	SF	¢44.00	#460,000	
Concrete Sidewalk [\$14.00] Bituminous Driveway [\$40/res;\$50/commercial]	12,000 300	SY	\$14.00 \$50.00	\$168,000 \$15,000	
Turf Establishment [\$3.00]	1,000	SY	\$3.00	\$3,000	
Furnishing & Placing Topsoil [\$8.00]		SY			
Sod [\$12.50]		SY			
Sedimentation Control [\$4]	4.0	LF	£400 000	£400 000	
Traffic Signals; New [\$100,000]	1.0	EA.	\$100,000		
Traffic Signals; Major Modification [\$60,000]	2.0	EA.	\$30,000	\$60,000	
Traffic Signals; Minor Modification [\$30,000]		EA.			
Other Expense	200	FT	#405.00	£400.000	
Bridge; New [\$425overH2O/\$375overRdwy]	320	SF	\$425.00	\$136,000	
Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15)	200	SF	\$200.00	\$40,000	
Bridge; Deck Overlay [\$15.00]	1,800	SF	\$15.00	\$27,000	
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00]	4.000	SF	# 400.00	# 440 400	
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF)	1,080	SF	\$130.00	\$140,400	
Noise Barrier Wall-Timber [\$25.00]		SF		#4.040.000	
Contract Items			SUBTOTAL	\$1,346,000	
Clearing and Grubbing Roadway (2%)		2%		\$26,900	
M & P of Traffic (7%)		7%		\$94,000	
Traffic Items (3%)		3%		\$40,000	
Mobilization (7.5%)		7.5%		\$101,000	
Construction Staking (1%)		1%		\$13,000	
Minor Items (20%)		20%		\$269,000	
Inflation Factor (6% per year)		0%		\$0	
OONTINGENOISO (450 000 000/400/3)	CONSTR		N TOTALS	\$1,889,900	
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%]		10%		\$189,000	
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12%	.,	25%		\$472,000	
UTILITIES	Yes			\$0	
PRELIMINARY ENGINEERING AND ENVIRONMENTAL				40 500 000	
RIGHTS OF WAY				\$2,500,000	
RAILROAD FORCE ACCOUNT			TED 222	A B C C C C C C C C C C	
Estimated By: Anurag Agrawal	TOTAL E	:STIMA	TED COST	\$5,050,900	
		TOWN CASH			
Checked By: Mike Sutton		TC	JWN CASH		
Checked By: Mike Sutton Date of Estimate: Aug-2010		Т	JWN CASH		

Page 1 of 1	STATE OF CONNECTICUT	Town of:	Waterb	ury	FIGURE 7-17
	DEPARTMENT OF TRANSPORTATION			_	
BUREA	U OF ENGINEERING & HIGHWAY OPERATIONS	Project #:	124-164	ļ.	
	PROJECT DEVELOPMENT UNIT	Width:			
	PRELIMINARY COST ESTIMATE	Depth:			
	Route 8 Deficiencies/Needs Study	Type: From Sta:			
Interd	change 29 - Medium & Long Term Alternative	To Sta:			
	Route 8 NB Ramps at South Main Street	A length of		Feet as show	vn on the
		7		plans	
	Item	Est. Quant.	Unit	Unit Price	Total
Pavement; Overlay \$100tonx3"x		68,050	SF	\$1.92	\$130,700
Pavement; Milling 0"-4" \$5/SY	/ 9= \$.56	68,050	SF	\$0.56	\$38,100
Pavement; \$100/TON		1,850	SF	\$5.75	\$10,600
Pavement; \$100/TON	144 OE1	7,450 470	SF CY	\$6.39 \$41.95	\$47,600 \$19,700
Processed Aggregate Base [CY/S	թ4 լ.թել All New" [Suburban \$4.00 - CBD \$5.00]	470	SF	\$41.95	\$19,700
Drainage, Total Pavement Area (SF		
Drainage; Pipe (12" - 15"- 24" - 4	8") [\$55/\$65/\$80/\$210]		LF		
Drainage; Catch Basins [\$2500]	ο γ φοσιφοσιφ <u>ο</u> το		EA.		
Drainage; Double Catch Basins	[\$3500]		EA.		
Drainage; Reset Catch Basins [\$	3750.00]		EA.		
Drainage; Culvert Ends [\$800-\$1	[000]		EA.		
Curbing; BCLC [\$4-\$10]	word When the		LF	ļ	
Curbing; Add 1 foot strip of paver	ment x length		SF	ļ	
Curbing; Concrete [\$30-\$40] Curbing; Granite [\$45]		1,100	LF LF	\$45.00	\$49,500
	00CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]	750	CY	\$33.00	\$49,500
	500CY/\$108;2500-5000CY/\$25, >5000CY/\$20[750	CY	φ33.00	φ24,000
Borrow [<500/\$38; 500-5000/\$23			CY		
Guide Railing; R-I or 3 Cable [\$2			LF		
Guide Railing; R-B (350) [\$30.00			LF		
Guide Railing; Systems 2-6A [\$1			LF		
Guide Railing; Anchors [\$1200]			EA.		
Precast Concrete Barrier Curb (1			LF		
Precast Concrete Barrier Curb (2	4" x 32")	700	LF	044.00	#0.000
Concrete Sidewalk [\$14.00]	=0/commercial	700 150	SF SY	\$14.00	\$9,800 \$7,500
Bituminous Driveway [\$40/res;\$5 Turf Establishment [\$3.00]	50/commercial)	1,100	SY	\$50.00 \$3.00	\$7,500
Furnishing & Placing Topsoil [\$8.	001	1,100	SY	ψ3.00	ψ3,300
Sod [\$12.50]	00		SY		
Sedimentation Control [\$4]			LF		
Traffic Signals; New [\$100,000]			EA.		
Traffic Signals; Major Modification			EA.		
Traffic Signals; Minor Modification	n [\$30,000]	2.0	EA.	\$30,000	\$60,000
Other Expense			FT		
Bridge; New [\$425overH2O/\$375			SF		
Bridge: Deck Replacement (\$150			SF SF		
Bridge; Superstructure [\$150.00-Retaining Wall; Double Wall & Re			SF		
Retaining Wall; Cast-in-Place Co			SF		
Noise Barrier Wall-Timber [\$25.0			SF		
Treies Barrier Train Timber 1920.	Contract Items			SUBTOTAL	\$401,600
Clearing and Grubbing Roadway			2%		\$8,000
M & P of Traffic (7%)			7%		\$28,000
Traffic Items (3%)			3%		\$12,000
Mobilization (7.5%)			7.5%		\$30,100
Construction Staking (1%)			1%		\$4,000
Minor Items (20%)			20%		\$80,000
Inflation Factor (6% per year)		CONST		N TOTALS	\$0 \$563,700
CONTINGENCIES [< \$50,000,00	00/10%1 [> \$50 000 000/7%1	CONST	10%	IN IOIALS	\$56,000
	\$1-5 million/21%, \$5-10 million/15%, >\$50m/12%		25%		\$141,000
UTILITIES (TIMINON 2570,		Yes	_2,0		\$0
PRELIMINARY ENGINEERING A	AND ENVIRONMENTAL	-			
RIGHTS OF WAY					
RAILROAD FORCE ACCOUNT					
Estimated By: Anurag Agra	awal	TOTAL I	STIMA	TED COST	\$760,700
I		TOWN CASH			
Checked By: Mike Sutton					
Checked By: Mike Sutton			10	JWN CASH	

STATE OF CONNECTICUT Page 1 of 1 Town of: Waterbury FIGURE 7-18 DEPARTMENT OF TRANSPORTATION **BUREAU OF ENGINEERING & HIGHWAY OPERATIONS** Project #: 124-164 PROJECT DEVELOPMENT UNIT Width: PRELIMINARY COST ESTIMATE Depth: Type: Route 8 Deficiencies/Needs Study From Sta: Interchange 29 - Long Term Alternative To Sta: Route 8 SB Ramps A length of Feet as shown on the plans Est. Quant. Unit Unit Price Item Total Pavement; Overlay \$100tonx3"x.0575/9 40,000 \$1.92 \$76,800 SF SF 0"-4" \$5/SY / 9= \$.56 \$0.56 Pavement: Milling 40,000 \$22,400 SF \$218.900 Pavement: \$100/TON 34.250 \$6.39 CY Processed Aggregate Base [CY/\$41.95] 1.500 \$41.95 \$62.900 SF Drainage: Total Pavement Area "All New" [Suburban \$4.00 - CBD \$5.00] SF Drainage; Total Pavement Area Overlay (\$0.40/SF) SF Drainage; Pipe (12" - 15"- 24" - 48") [\$55/\$65/\$80/\$210] LF Drainage; Catch Basins [\$2500] EA. Drainage; Double Catch Basins [\$3500] EA. Drainage; Reset Catch Basins [\$750.00] EΑ Drainage; Culvert Ends [\$800-\$1000] EΑ Curbing; BCLC [\$4-\$10] LF Curbing; Add 1 foot strip of pavement X length SF Curbing; Concrete [\$30-\$40] LF Curbing; Granite [\$45] 3,000 LF \$45.00 \$135,000 Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20] \$63,800 2,550 CY \$25.00 Rock Exv. [<500CY/\$138; 500-2500CY/\$108;2500-5000/\$82 >5000/\$58] CY Borrow [<500/\$38; 500-5000/\$23; >5000/\$14] CY Guide Railing; R-I or 3 Cable [\$20] LF LF Guide Railing; R-B (350) [\$30.00] 2.500 \$30.00 \$75,000 Guide Railing; Systems 2-6A [\$100] Guide Railing; Anchors [\$1200] LF EΑ Precast Concrete Barrier Curb (15" x 32") LF Precast Concrete Barrier Curb (24" x 32") 1,250 LF \$60.00 \$75,000 Concrete Sidewalk [\$14.00] SF SY Bituminous Driveway [\$40/res;\$50/commercial] Turf Establishment [\$3.00] SY 300 \$3.00 \$900 Furnishing & Placing Topsoil [\$8.00] SY Sod [\$12.50] SY Sedimentation Control [\$4] 2,600 LF \$4.00 \$10.400 Traffic Signals; New [\$100,000] EΑ Traffic Signals; Major Modification [\$60,000] EΑ Traffic Signals; Minor Modification [\$30,000] EΑ Other Expense FΤ Bridge; New [\$425overH2O/\$375overRdwy] 5,400 SF \$375.00 \$2,025,000 Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15) \$60,000 300 SF \$200.00 Bridge; Overlay [\$15.00] 4,500 SF \$15.00 \$67,500 Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00] SF Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) 41,000 SF \$130.00 \$5,330,000 Noise Barrier Wall-Timber [\$25.00] SF SUBTOTAL **Contract Items** \$8,223,600 2% Clearing and Grubbing Roadway (2%) \$164,500 M & P of Traffic (7%) 7% \$576,000 Traffic Items (3%) 3% \$247,000 Mobilization (7.5%) \$616,800 7.5% Construction Staking (1%) 1% \$82,000 Minor Items (20%) 20% \$1,645,000 Inflation Factor (6% per year) 0% \$0 CONSTRUCTION TOTALS \$11.554.900 \$1,155.000 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$2,889,000 \$0 UTILITIES Yes PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT TOTAL ESTIMATED COST \$15,598,900 Estimated By: Anurag Agrawal Checked By: Mike Sutton **TOWN CASH** Date of Estimate: Aug-2010

Drainage; Total Pavement Area "All New" Suburban \$4.00 - CBD \$5.00 SF Drainage; Indal Pavement Area Overlay (\$0.40/SF) SF Drainage; Drei (12" - 15" - 24" - 48") \$55/66/\$80/\$210 LF Drainage; Drei (12" - 15" - 24" - 48") \$55/66/\$80/\$210 LF Drainage; Catch Basins (\$2500) EA. Drainage; Catch Basins (\$2500) EA.	Page 1 of 1 STATE OF CONNECTICUT	Town of: Waterbury FIGURE			
PROLIDENT COST ESTIMATE		•			
PRELIMINARY COST ESTIMATE Depth: Type: From Siz: To Siz:					
Route 8 Deficiencies/Node/Study		Depth:			
Interchange 29 - Medium & Long Term Alternative					
South Main Street at Platts Mill Road					
Pavement, Overlay \$1000nx3*x.0575/9				Feet as show	n on the
Pavement, Voverlay \$100tonx3*x0575/9 SF Pavement \$100/TON 13,550 SF Pavement \$100/TON 13,550 SF Pavement \$100/TON 13,550 SF SF S7,790 Pavement \$100/TON 13,550 SF SF S7,790 Pavement \$100/TON SF Pavement \$10				plans	
Pavement, Milling 0"-4" \$5/5Y 9= \$.56 SF Pavement SIOUTON 13.550 SF \$5.75 \$77,900 Processed Aggregate Base CY/\$41,95 SF S7.5 \$77,900 Processed Aggregate Base CY/\$41,95 SF SF SF SF SF SF SF S		Est. Quant.		Unit Price	Total
Pavement; \$100/TON		_			
Processed Aggregate Base (CY/\$41.95		13.550		\$5.75	\$77 900
Drainage; Total Pavement Area "All New" Suburban \$4.00 - CBD \$5.00 SF Drainage; Total Pavement Area Overlay (\$0.40/SF) SF Drainage; Drei Pavement Area Overlay (\$0.40/SF) SF Drainage; Drei Pavement Area Overlay (\$0.40/SF) SF Drainage; Drei Pavement Area Overlay (\$0.40/SF) SF Drainage; Catch Basins \$25001 EA. Drainage; Catch Basins \$25000 EA. Drainage; Drei Pavement Area Pavement EA. Drainage; Drei Pavement Pav					\$27,300
Drainage: Total Pavement Area Overlay (\$0.40/5F)					•
Drainage: Pipe (12" - 15" - 24" - 48") \$55\\$65\\$80\\$210					
Drainage: Catch Basins [\$2500]		+			
Drainage: Double Catch Basins [\$5500]					
Drainage; Reset Catch Basins [\$750.00]	Drainage; Double Catch Basins [\$3500]				
LF	Drainage; Reset Catch Basins [\$750.00]		EA.		
Curbing: Concrete \$30.340 SF Curbing: Concrete \$30.340 SF Curbing: Concrete \$30.340 SF Curbing: Granite \$45 SF SF SF SF SF SF SF					
Curbing: Concrete [\$30-\$40]	Curbing; Add 1 foot strip of payament V length				
Curbing: Granite [\$45	Curbing: Concrete [\$30-\$40]	+			
Earth Exv.		870		\$45.00	\$39,200
Borrow <pre> F500(%38)</pre> S00(%500) CY	Earth Exv. [<500CY/\$48; 500-2500CY/\$33; 2500-5000CY/\$25; >5000CY/\$20]		CY	\$33.00	\$38,000
Guide Railing; R-I or 3 Cable \$20					
Guide Railing; Systems 2-6A [\$100]					
Guide Railing; Systems 2-6A \$100					
Guide Railing; Anchors [\$1200] EA.					
Precast Concrete Barrier Curb (15" x 32")					
Concrete Sidewalk [\$14.00] SF Bituminous Driveway [\$40/res;\$50/commercial] 90 SY \$50.00 \$4.500 1,150 SY \$3.00 \$3.500 1,150 SY \$3.00 \$3.000 1,150 SY \$3.000 \$3.000 \$3.000 1,150 SY \$3.000 \$3.000 \$3.000 1,150 SY \$3.000 \$3.	Precast Concrete Barrier Curb (15" x 32")				
Bituminous Driveway \$40/res;\$50/commercial 90 SY \$50.00 \$4,500 Turf Establishment \$3.00 1,150 SY \$3.00 \$3,500 Furnishing & Placing Topsoil \$8.00 SY SO \$1,150 SY SY SY SY SO \$1,150 SY SY SY SO \$1,150 SY SY SY SY SO \$1,150 SY SY SY SO \$1,150 SY					
Turf Establishment [\$3.00] 1,150 \$Y \$3.00 \$3,500 Furnishing & Placing Topsoil [\$8.00] SY SY Sod [\$12.50] SY SY Sedimentation Control [\$4] LF Traffic Signals; New [\$100,000] EA. Traffic Signals; Major Modification [\$60,000] EA. Traffic Signals; Minor Modification [\$30,000] 1.0 EA. \$30,000 \$		00		\$50.00	¢4 500
Furnishing & Placing Topsoil [\$8.00] SY					
Sod \$12.50 Sedimentation Control \$4		1,100		ψο.σσ	φο,σσσ
Traffic Signals; New \$100,000 EA.	Sod [\$12.50]				
Traffic Signals; Major Modification [\$60,000]					
Traffic Signals; Minor Modification [\$30,000]					
Other Expense		1.0		\$30,000	\$30,000
Bridge; New [\$4250verH2O/\$3750verRdwy SF Bridge: Deck Replacement (\$150-\$200) Deck Overlay (\$15) SF Bridge: Superstructure [\$150.00-\$200.00] SF Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00] SF Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) SF SE SE SE SE SE SE SE		1.0		ψου,σοσ	ψου,σου
Bridge; Superstructure \$150.00-\$200.00 Retaining Wall; Double Wall & Reinforcing Earth \$50.00-\$60.00 SF Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) SF Noise Barrier Wall-Timber \$25.00 SF Contract Items	Bridge; New [\$425overH2O/\$375overRdwy]				
Retaining Wall; Double Wall & Reinforcing Earth [\$50.00-\$60.00] SF					
Retaining Wall; Cast-in-Place Concrete (\$80-\$130/SF) SF Noise Barrier Wall-Timber [\$25.00] SF SUBTOTAL \$220,400 \$26 \$44,400 \$26 \$44,400 \$26 \$44,400 \$26 \$44,000 \$26 \$44,000 \$26 \$44,000 \$26 \$44,000 \$26 \$44,000 \$26					
Noise Barrier Wall-Timber [\$25.00] SF					
Clearing and Grubbing Roadway (2%) 2% \$4,400 M & P of Traffic (7%) 7% \$15,000 77% \$15,000 7,500 33% \$7,000 \$7,500 \$16,50					
M & P of Traffic (7%) 7% \$15,000 Traffic Items (3%) 3% \$7,000 Mobilization (7.5%) 7.5% \$16,500 Construction Staking (1%) 1% \$2,000 Minor Items (20%) 20% \$44,000 Inflation Factor (6% per year) 0% \$0 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 UTILITIES Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY Yes \$0 RIGHTS OF WAY RAILROAD FORCE ACCOUNT TOTAL ESTIMATED COST \$417,30 Checked By: Mike Sutton TOWN CASH				SUBTOTAL	\$220,400
Traffic Items (3%) 3% \$7,000 Mobilization (7.5%) 7.5% \$16,500 Construction Staking (1%) 1% \$2,000 Minor Items (20%) 20% \$44,000 Inflation Factor (6% per year) 0% \$0 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 UTILITIES Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal Checked By: Mike Sutton TOWN CASH					
Mobilization (7.5%) 7.5% \$16,500 Construction Staking (1%) 1% \$2,000 Minor Items (20%) 20% \$44,000 Inflation Factor (6% per year) 0% \$0 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 UTILITIES Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL TOTAL ESTIMATED COST \$417,300 Checked By: Mike Sutton TOWN CASH					
Construction Staking (1%) 1% \$2,000 Minor Items (20%) 20% \$44,000 Inflation Factor (6% per year) 0% \$0 CONTRUCTION TOTALS \$309,300 CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 INCIDENTALS (<\$1 million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 UTILITIES Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT TOTAL ESTIMATED COST \$417,300 Checked By: Mike Sutton TOWN CASH					
Minor Items (20%) 20% \$44,000 10flation Factor (6% per year) 0% \$0 \$0 \$0 \$0 \$0 \$0 \$0					
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 10CIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$70 million/25%, \$1-5 million/21%,	Minor Items (20%)		20%		\$44,000
CONTINGENCIES [< \$50,000,000/10%] [> \$50,000,000/7%] 10% \$31,000 INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% 25% \$77,000 Yes \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal TOTAL ESTIMATED COST \$417,300 Checked By: Mike Sutton TOWN CASH	Inflation Factor (6% per year)				
INCIDENTALS (<\$1million/25%, \$1-5 million/21%, \$5-10 million/15%, >\$50m/12% UTILITIES PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal Checked By: Mike Sutton 25% \$77,000 Yes \$77,000 Toss \$417,000 Toss \$77,000 Toss \$70,000 Toss \$7	CONTINGENCIES IZ \$50,000,000/409/11> \$50,000,000/70/1	CONSTR		N TOTALS	\$309,300
UTILITIES \$0 PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal Checked By: Mike Sutton Yes \$0 TOTAL ESTIMATED COST \$1 TOWN CASH					
PRELIMINARY ENGINEERING AND ENVIRONMENTAL RIGHTS OF WAY RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal Checked By: Mike Sutton TOWN CASH			_0 /0		
RAILROAD FORCE ACCOUNT Estimated By: Anurag Agrawal TOTAL ESTIMATED COST \$417,300 Checked By: Mike Sutton TOWN CASH	PRELIMINARY ENGINEERING AND ENVIRONMENTAL				•
Estimated By: Anurag Agrawal TOTAL ESTIMATED COST \$417,300 Checked By: Mike Sutton TOWN CASH					
Checked By: Mike Sutton TOWN CASH		TOTAL F	CTIMA	TED COST	¢447 200
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Date of Estimate: Aug-2010	Checked By: Mike Sutton		TC	OWN CASH	
Date of Estimate. Aug-2010	Date of Estimate: Aug 2010				
	Date of Estimate. Aug-2010				