## EAST COCALICO TOWNSHIP IMPACT FEE ADVISORY COMMITTEE

RESOLUTION NO. 2013-02

A RESOLUTION OF THE EAST COCALICO TOWNSHIP IMPACT FEE ADVISORY COMMITTEE RECOMMENDING AMENDMENTS TO THE TRANSPORTATION CAPITAL IMPROVEMENTS PLAN.

WHEREAS, by Act 209 of 1990, which amended the Pennsylvania Municipalities Planning Code ("MPC") to include Article V-A, Municipal Capital Improvement, the General Assembly provided specific statutory authority for municipalities to impose transportation impact fees; and

WHEREAS, the General Assembly has amended MPC Article V-A from time to time; and

WHEREAS, in accordance with the authority granted by Act 209, as amended, and following the procedures set forth in Act 209, as amended, the Board of Supervisors of this Township appointed the East Cocalico Township Transportation Impact Fee Advisory Committee (the "Advisory Committee"), which Advisory Committee undertook the actions required by the MPC to enable the Board of Supervisors to enact an ordinance imposing transportation impact fees including, but not limited to, the adoption of the Land Use Assumptions Report, the adoption of a Transportation Capital Improvements Plan, and the adoption of a Transportation Capital Improvements Plan; and

WHEREAS, the Advisory Committee and the Board of Supervisors took all actions required by Act 209 and the Board of Supervisors enacted Ordinance No. 2011-1, the East Cocalico Township Impact Fee Ordinance, codified as Chapter 203, Transportation Impact Fees, of the Code of Ordinances on April 6, 2011; and

WHEREAS, as authorized by Act 209, the Advisory Committee has worked with the Township Transportation Engineer, Rettew Associates, Inc., to prepare an update to the Transportation Capital Improvements Plan; and

WHEREAS, the Advisory Committee has reviewed the amendments to the Transportation Capital Improvements Plan and desires to authorize transmission of the proposed amendments to the Transportation Capital Improvements Plan set forth in this Resolution to the Board of Supervisors in accordance with MPC Section 504-A(e)(3).

NOW, THEREFORE, BE AND IT IS HEREBY RESOLVED by the East Cocalico Township Impact Fee Advisory Committee as follows:

<u>Section 1.</u> The foregoing background recitals are incorporated herein and constitute part of this Resolution.

<u>Section 2.</u> The Advisory Committee recommends that the East Cocalico Township Transportation Capital Improvements Plan, as adopted by the Board of Supervisors by Resolution No. 2011-5 on March 16, 2011, shall be amended as follows:

- A. Within Table 1, East Cocalico Impact Fee Ordinance Capital Improvement Plan Project Summary, delete the existing information relating to Project Code I07 and insert the information relating to Project Code I07 attached hereto as Exhibit "A" and incorporated herein.
- B. Delete the existing information for Project Code I07 in the detailed description of Projects and insert the revised detailed description of Project I07 attached hereto as Exhibit "B" and incorporated herein.

<u>Section 3.</u> The East Cocalico Township Impact Fee Advisory Committee hereby authorizes transmission of the Amendments to the Transportation Capital Improvements Plan to the Board of Supervisors of the Township of East Cocalico, Lancaster County, Pennsylvania.

<u>Section 4.</u> In the event any provision, section, sentence, clause, or part of this Resolution shall be held to be invalid, illegal, or unconstitutional by a court of competent jurisdiction, such invalidity, illegality, or unconstitutionality shall not affect or impair the remaining provisions, sections, sentences, clauses, or parts of this Resolution, it being the intent of the Advisory Committee that the remainder of the Resolution shall be and shall remain in full force and effect.

, 2013, by the East in lawful session duly assembled.
T COCALICO TOWNSHIP IMPACT ADVISORY COMMITTEE
/ice) Chairman Jamie L. Sweigart

# **EXHIBIT "A"**

#### EAST COCALICO TOWNSHIP IMPACT FEE ORDINANCE CAPITAL IMPROVEMENT PLAN PROJECTS SUMMARY Table 1

				I able 1						
Map Number	Project Code	Intersection or Roadway Segment	Improvement Project Description	Construction Year	Total Project Cost (dollars)	State/ Federal Funding (dollars)	Other Funding (dollars)	Western District Impact Fee (dollars)	Eastern District Impact Fee (dollars)	Southern District Impact Fee (dollars)
-	S01	Denver Road Bridge (T-901)	Widen to 12'lanes with 6'shoulders (upgrade to community collector)	2014	\$1,394,458.10	\$0.00	\$0.00	\$1,394,458.10	\$0.00	\$0.00
-	103	Church Street (SR 1051)& Reamstown Road (T-700)	Install a traffic signal.	2024	\$556,237.16	\$0.00	\$183,558.26	\$0.00	\$0.00	\$372,678.90
1	I04A	Church Street (SR 1051)&Route 272	Construct a westbound left turn lane and right turn lane, remove/install two signal poles, curb	2019	\$859,521.90	\$0.00	\$429,760.95	\$0.00	\$0.00	\$429,760.95
1	I04B	Church Street (SR 1051)&Route 272	Construct a Eastbound left turn lane and right turn lane, remove/install two signal poles, curb	2019	\$797,319.67	\$0.00	\$398,659.83	\$398,659.83	\$0.00	\$0.00
-	S05	Route 897, west of Route 272	Widen to 12'lanes with 6'shoulders.	2034	\$3,419,553.76	\$3,419,553.76	\$0.00	\$0.00	\$0.00	\$0.00
-	106	Colonel George Howard Boulevard (SR 1040)& Lesher Road (T-949)	Project not feasible- Will interfer with future interchange projects	2034	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-	107	Colonel George Howard Boulevard (SR 1040)& Route 222 southbound Ramps	Construct a clover-leafinterchange.	2027	\$8,332,895.74	\$8,332,895.74	\$0.00	\$0.00	\$0.00	\$0.00
-	108	Colonel George Howard Boulevard (SR 1040)& Route 222 northbound Ramps	Construct a clover-leafinterchange.	2027	\$8,332,895.74	\$8,332,895.74	\$0.00	\$0.00	\$0.00	\$0.00
2	109A	Colonel George Howard Boulevard (SR 1040)& Pepperidge Farm Boulevard (T-902)	Construct a 2nd northbound left turn lane(Left-Left-Thru-Right configuration).	2019	\$188,954.04	\$0.00	\$188,954.04	\$0.00	\$0.00	\$0.00
2	109B	Colonel George Howard Boulevard (SR 1040)& Pepperidge Farm Boulevard (T-902)	IO9B Deleted- Work roled into IO9A "Construct a northbound right turn lane."	2034	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	109C	Colonel George Howard Boulevard (SR 1040)& Pepperidge Farm Boulevard (T-902)	Construct dual southbound left turn lanes. Maintain existing SB RTLane and Thru lane.	2019	\$551,868.90	\$0.00	\$551,868.90	\$0.00	\$0.00	\$0.00
2	109D	Colonel George Howard Boulevard (SR 1040)& Pepperidge Farm Boulevard (T-902)	109D Deleted- Work roled into 109C "Construct a southbound right turn lane."	2034	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-	110	Colonel George Howard Boulevard (SR 1040)& Reamstown Road (T-700)	Install a traffic signal.	2027	\$440,885.66	\$145,492.27	\$0.00	\$0.00	\$221,545.05	\$73,848.35
3	I11A	Colonel George Howard Boulevard (SR 1040)/ Denver Road (T-901) & Route 272	Construct a 2nd westbound left turn lane on Col Howard Blvd.	2027	\$401,463.59	\$401,463.59	\$0.00	\$0.00	\$0.00	\$0.00
3	I11B	Colonel George Howard Boulevard (SR 1040)/ Denver Road (T-901) & Route 272	Prohibit left turns and thru movements exiting the eastbound approach. Project 130 is required prerequisite or concurrently.	2034	\$771,052.41	\$385,526.21	\$0.00	\$3,855.26	\$377,815.68	\$3,855.26
3	111C	Colonel George Howard Boulevard (SR 1040)/ Denver Road (T-901)& Route 272	Construct a 2nd northbound right turn lane.	2029	\$130,352.11	\$65,176.06	\$0.00	\$651.76	\$63,872.53	\$651.76
3	I11D	Colonel George Howard Boulevard (SR 1040)/ Denver Road (T-901)& Route 272	Construct a 2nd westbound right turn lane.	2029	\$153,610.63	\$76,805.31	\$0.00	\$768.05	\$75,269.21	\$768.05
-	l13	Route 272 & Hill Road (T-846)	Install a traffic signal.	2016	\$293,762.52	\$0.00	\$96,941.63	\$131,869.99	\$64,950.89	\$0.00

#### EAST COCALICO TOWNSHIP IMPACT FEE ORDINANCE CAPITAL IMPROVEMENT PLAN PROJECTS SUMMARY Table 1

Map Number	Project Code	Intersection or Roadway Segment	Improvement Project Description	Construction Year	Total Project Cost (dollars)	State/ Federal Funding (dollars)	Other Funding (dollars)	Western District Impact Fee (dollars)	Eastern District Impact Fee (dollars)	Southern Distri <sup>ct</sup> Impact Fee (dollars)
-	l14	Route 272 & Muddy Creek Road (T-816)	Install a traffic signal.	2017	\$406,410.65	\$0.00	\$406,410.65	\$0.00	\$0.00	\$0.00
-	I15A	Route 272 & Route 897	Construct a 2nd northbound left turn lane on SR 272	2034	\$642,663.03	\$642,663.03	\$0.00	\$0.00	\$0.00	\$0.00
-	I15B	Route 272 & Route 897	Construct a 2nd westbound left turn lane on SR 897.	2034	\$385,583.70	\$385,583.70	\$0.00	\$0.00	\$0.00	\$0.00
-	I15C	Route 272 & Route 897	Construct an eastbound right turn lane on SR 897.	2034	\$277,117.93	\$277,117.93	\$0.00	\$0.00	\$0.00	\$0.00
4	l18	Route 272 & Pepperidge Farm Driveway	Realign and Signalize with Route 272 & Hill Road (T-846).	2029	\$1,621,883.32	\$0.00	\$0.00	\$0.00	\$1,621,883.32	\$0.00
5	122	Muddy Creek Road (SR 1059)& Trost Road (T- 953)	Project Deleted. Not feasible-PENNDOT will not permit installation ofAll-Way Stop Control	2034	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	S22	Colonel George Howard Boulevard (SR 1040)	Construct additional 3rd thru lanes (triple thrus in each direction between Route 272 and the first Route 222 ramp). Tie into SR 222 Interchange work (107 and 108).	2027	\$4,645,885.90	\$3,716,708.72	\$0.00	\$0.00	\$380,962.64	\$548,214.54
-	123	Muddy Creek Road (SR 1059)& Stone Hill Road (T-862)	Install all-way stop control.	2034	\$3,044.63	\$1,522.31	\$0.00	\$0.00	\$1,522.31	\$0.00
-	S24	Route 897, east of Route 272	Construct additional thru lanes.	2034	\$8,721,472.13	\$8,721,472.13	\$0.00	\$0.00	\$0.00	\$0.00
-	125	Stevens Road (SR 1045)& Wabash Road (T- 669)/ Indiantown Road (West Cocalico Township)	Install a traffic signal.	2024	\$526,229.06	\$0.00	\$526,229.06	\$0.00	\$0.00	\$0.00
-	126	Stevens Road (SR 1045)/Line Road (SR 1045)& Sevens Road (SR 1030)/south Main Street (West Cocalico Township)	Install a traffic signal.	2024	\$526,229.06	\$0.00	\$526,229.06	\$0.00	\$0.00	\$0.00
-	S26	Route 272, south of Colonel George Howard Boulevard (SR 1040)	Construct additional thru lanes.	2034	\$25,507,861.27	\$25,507,861.27	\$0.00	\$0.00	\$0.00	\$0.00
-	S26	Route 272, south of Colonel George Howard Boulevard (SR 1040)	Construct additional thru lanes.	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-	S27	Route 272, north of Colonel George Howard Boulevard (SR 1040)	Construct additional thru lanes.	2034	\$9,365,814.08	\$9,365,814.08	\$0.00	\$0.00	\$0.00	\$0.00
-	S27	Route 272, north of Colonel George Howard Boulevard (SR 1040)	Construct additional thru lanes.	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-	S28	Church Street (SR 1051), between Route 272 & Red Run Road (SR 1044)	Widen to 11'lanes with 4'shoulders.	2034	\$1,042,602.54	\$1,042,602.54	\$0.00	\$0.00	\$0.00	\$0.00
-	S29	Church Street (SR 1051), between Red Run Road (SR 1044) & Napierville	Widen to 12'lanes with 4'shoulders.	2034	\$849,743.50	\$849,743.50	\$0.00	\$0.00	\$0.00	\$0.00

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Map Number	Project Code	Intersection or Roadway Segment	Improvement Project Description	Construction Year	Total Project Cost (dollars)	State/ Federal Funding (dollars)	Other Funding (dollars)	Western District Impact Fee (dollars)	Eastern District Impact Fee (dollars)	Southern Distri <sup>ct</sup> Impact Fee (dollars)
6	130	Route 272 & Denver Road (T-90)	Construct a new eastbound approach with dual left turn lanes and a shared right turn lane. Install a traffic signal. Construct a northbound left turn lane.	2034	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			Subtotal 2010 Existing		\$406,411	\$0	\$406,411	\$0	\$0	\$0
			Subtotal 2034 Base		\$1,052,458	\$0	\$1,052,458	\$0	\$0	\$0
			Subtotal Developer Projects		\$740,823	\$0	\$740,823	\$0	\$0	\$0
			Subtotal PennDOT Project		\$67,279,667	\$67,279,667	\$0	\$0	\$0	\$0
			Subtotal 2034 Projected		\$12,074,425	\$4,391,231	\$1,515,331	\$1,930,263	\$2,807,822	\$1,429,778
Legend			Consultant		\$79,100	-	-	\$1,230.73	\$2,704.29	\$1,249.65
	2010 Existing	g Mitigation	Subtotal					\$1,931,494	\$2,810,526	\$1,431,027
	2034 Base N	litigation	15 Percent Contingency					\$289,724	\$421,579	\$214,654
	Selected Proj	ject	Total Fee					\$2,221,218	\$3,232,105	\$1,645,682
	Candidate Project Total of New Trip Ends				940	2,073	956			
	Developer Project Trips At Existing \$1,000 Fee (Approved but not constructed)			0	0	0				
	PennDOT Project Adjusted Total Fee					\$2,221,218	\$3,232,105	\$1,645,682		
					Adjusted Total of	New Trip Ends	•	940	2,073	956
					Calculated Fee Pe	r Trip	•	\$2,363	\$1,559	\$1,721

Revised 6/14/2013 Current Fee by Ordinance \$1.512 \$1.507 \$1.510

# **EXHIBIT "B"**

PROJECT CODE: 113 TRANSPORTATION DISTRICT: Eastern/Western District

LOCATION:

Route 272 & Hill Road (T-846)

## **DEFICIENCY:**

The current intersection is deficient with 2010 existing traffic volumes.

## PROPOSED IMPROVEMENTS:

Install a traffic signal.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	187,500
Utility Relocation	0
Right-of-Way	0
Engineering	21,563
Inspection	15,000
Admin & Planning	2,813
TOTAL	\$226,875

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2016	Inflation Rate: 3.76%
Projected Construction Cost	\$293.763	

## PROPOSED FUNDING:

				Year
State/Federal	0%	\$0	Secure Funding	2014
Other	33%	\$96,942	Acquire ROW	2015
Impact Fees	67%	\$196,821	Compete Engineering	2015
		and the state of the state of	Begin Construction	2016

PROJECT SCHEDULE:

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	67%	\$131,870
Eastern District	33%	\$64,951
Southern Distict	0%	\$0

EXHIBIT "B"

Project Number I13	Done By: BDE	Checked: M		MJR
Description	Cost	Unit	Quantity	Total
Construction Items	The extend of the first of the second of the extended the extended to the exte	Committee (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995)	en mente et er mente et de la mente en	
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	
New Signal (3-way)	\$150,000.00	Each	1	+-+-)
Signal Modifications	\$20,000.00	Each	0	
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement			1	
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	T
New Pavement - Arterial Roads	\$46.00	Square Yard	0	,
New Pavement - Collector Roads	\$40.00	Square Yard	0	
New Pavement - Local Commercial Roads New Pavement - Local Residential Roads	\$34.00	Square Yard	0	
4" PBD	\$29.00 \$7.25	Square Yard	0	
Excavation	\$7.25	Linear Foot	0	\$0.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	712,00	Cupic faiu	l u	30.00
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	
Pavement Markings	*			, , , , , , , , , , , , , , , , , , ,
4" Pavement Markings	\$2.00	Linear Foot	l 0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	ō	
Miscellaneous			L	,
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	\$0.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	0	¥
Other				\$0.00
	T - '7T		truction Subtotal:	\$150,000.00
Mobilization	5.0%		uction Total	\$7,500.00
Maintenance and Protection of Traffic	5.0%		uction Total uction Total	\$7,500.00
Contingency	15.0%			\$22,500.00
Utility Relocation	L.	TUta	I Construction:	\$187,500.00
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each	0	
Fire Hydrant Relocation	\$1,000.00	Each	0	
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	\$0.00
-			Utility Subtotal:	\$0.00
Contingency	15.0%		y Subtotal	\$0.00
		Total Util	ity Relocation:	\$0.00
Righ <mark>t-of-Way</mark>				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	4400.000.00	Acres	0	
Structures	\$180,000.00	Each	0	
Carliana	45.00		of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
Engineering	14 50/		Right-of-Way:	\$0.00
Engineering Construction Inspection	11.5% 8.0%		uction Total uction Total	\$21,562.50
Construction Inspection Administration and Planning	1.5%		uction Total	\$15,000.00
Aumenstration and Planning	1.5%			\$2,812.50
	L	Total Project Cost: \$226,875.		

PROJECT CODE: 114

TRANSPORTATION DISTRICT:

Eastern/Western District

## LOCATION:

Route 272 & Muddy Creek Road (T-816)

## **DEFICIENCY:**

The current intersection is deficient with 2010 existing traffic volumes.

## PROPOSED IMPROVEMENTS:

Install a traffic signal.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	250,000
Utility Relocation	0
Right-of-Way	0
Engineering	28,750
Inspection	20,000
Admin & Planning	3,750
TOTAL	\$302,500

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2017
Projected Construction Cost	\$406,411

Inflation Rate: 3.76%

#### PROPOSED FUNDING:

State/Federal	0%	\$0
Other	100.0%	\$406,411
Impact Fees	0.0%	\$0

	Year
Secure Funding	2015
Acquire ROW	2016
Compete Engineering	2016
Begin Construction	2017

## TRANSPORTATION DISTRICT COST:

Western District	62.5%	\$0
<b>Eastern District</b>	37.5%	\$0
Southern Distict	0.0%	\$0

**REMARKS:** 

PROJECT SCHEDULE:

Project Number I14	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	And the second state in a second			
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	\$200,000.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.00
New Pavement - Collector Roads	\$40.00	Square Yard	. 0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	0	\$0.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	\$0.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	0	\$0.00
Other		*		\$0.00
		Cons	truction Subtotal:	\$200,000.00
Mobilization	5.0%	Of Constr	uction Total	\$10,000.00
Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$10,000.00
Contingency	<b>1</b> 5.0%	Of Constr	uction Total	\$30,000.00
		Tota	l Construction:	\$250,000.00
Utility Relocation				
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continu
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	0	\$0.00
			Utility Subtotal:	\$0.00
Contingency	<b>1</b> 5.0%		y Subtotal	\$0.00
		Total Util	ity Relocation:	\$0.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
			of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
•		Total	Right-of-Way:	\$0.00
Engineering	11.5%	Of Constr	uction Total	\$28,750.00
Construction Inspection	8.0%	Of Constr	uction Total	\$20,000.00
Administration and Planning	1.5%	Of Constr	uction Total	\$3,750.00
		Tota	al Project Cost:	\$302,500.00

PROJECT CODE: \$26 TRANSPORTATION DISTRICT: Western/Southern District

## LOCATION:

Route 272, south of Colonel George Howard Boulevard (SR 1040)

## **DEFICIENCY:**

The current roadway segment is deficient with 2010 existing traffic volumes

## PROPOSED IMPROVEMENTS:

Construct additional thru lanes.

#### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	5,688,353
Utility Relocation	519,340
Right-of-Way	2,735,116
Engineering	654,161
Inspection	455,068
Admin & Planning	85,325
TOTAL	\$10,137,362

## **CONSTRUCTION YEAR AND PROJECTED COST:**

Construction Year 2034 Inflation Rate: 3.76%

Projected Construction Cost \$25,507,861

## PROPOSED FUNDING: PROJECT SCHEDULE:

custo to the	1000/	7405 507 864	o n li	Year
State/Federal	100%	\$25,507,861	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	50%	\$0
Eastern District	0%	\$0
Southern Distict	50%	\$0

Project Number S26	Done By: BDE	Checked: MJR		MJR
Description	Cost	Unit	Quantity	Total
Construction Items	e Charles (1995), e transferenza e transferenza e transferenza e transferenza e transferenza e transferenza e d			
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	4	\$800,000.00
New Signal (3-way)	\$150,000.00	Each	Ō	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	Ō	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	T
New Pavement - Arterial Roads	\$46.00	Square Yard	50667	\$2,330,682.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	T
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads	\$29.00	<u> </u>	0	\$0.00
4" PBD	\$7.25	Linear Foot	38000	\$275,500.00
Excavation			I	
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage			1	
Inlet/Manhole	\$2,400.00	Each	7	\$16,800.00
Pipe and Trenching	\$55.00	Linear Foot	0	T
Culvert	\$700.00	Linear Foot	24	\$16,800.00
Pavement Markings	1 42.00			
4" Pavement Markings	\$2.00	Linear Foot	76000	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				1
Guide Rail	\$18.00	Linear Foot	1800	\$32,400.00
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	¢200.00		100	405 550 00
Post Mounted Signs	\$200.00 \$3,850.00	Each	128	
Widen Bridge Structure	\$3,850.00	SY	234 truction Subtotal:	\$900,900.00
Mobilization	5.0%		uction Total	\$4,550,682.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$227,534.10
	15.0%		uction Total	\$227,534.10
Contingency	15,076		l Construction:	\$682,602.30 \$5,688,352.50
Utility Relocation	L	IVIA	i construction.	33,000,334.30
Utility Pole Relocation	\$3,300.00	Each	122	\$402,600.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each		\$0.00 EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	19	\$19,000.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	6	\$30,000.00
Office	25,000.00	rroject	Utility Subtotal:	\$451,600.00
Contingency	15.0%	Of Utilit	y Subtotal	\$67,740.00
o neingeriory	13.070		ity Relocation:	\$519,340.00
Right-of-Way	L	Total Oth	ity itciocation.	JJ17,540.00 <sub>1</sub>
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	10.46838843	\$1,256,206.61
Construction Easement (75% of ROW)	1 - 3,500-30	Acres	0	\$942,154.96
Structures	\$180,000.00	Each	1	\$180,000.00
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		of-Way Subtotal:	\$2,378,361.57
Contingency	15.0%		Way Subtotal	\$356,754.24
,			Right-of-Way:	\$2,735,115.81
Engineering	11.5%		uction Total	\$654,160.54
Construction Inspection	8.0%		uction Total	\$455,068.20
Administration and Planning	1.5%		uction Total	\$85,325.29
g				\$10,137,362.33
	L	100	10,000 0031.	710,137,302,33

PROJECT CODE: S27

TRANSPORTATION DISTRICT:

Eastern/Western District

## LOCATION:

Route 272, north of Colonel George Howard Boulevard (SR 1040)

## **DEFICIENCY:**

The current roadway segment is deficient with 2010 existing traffic volumes

## PROPOSED IMPROVEMENTS:

Construct additional thru lanes.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	2,034,898
Utility Relocation	195,500
Right-of-Way	1,064,446
Engineering	234,013
Inspection	162,792
Admin & Planning	30,523
TOTAL	\$3,722,172

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$9.365.814	

#### PROPOSED FUNDING:

		A STATE OF THE STA		Year
State/Federal	100%	\$9,365,814	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
		-	Begin Construction	2034

PROJECT SCHEDULE:

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	50%	\$0
Eastern District	50%	\$0
Southern Distict	0%	\$0

Project Number S27	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	South Control of the			ann ann an Aire (1964), an airth a mainteach ann an airth ann an Aireann an aireadh an aith ann air
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	2	\$400,000.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	21333	\$981,318.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	16000	\$116,000.00
Excavation /Parrow/	\$12.00	C le :		÷0.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Inlet/Manhole		rash	7	¢16 000 00
Pipe and Trenching	\$2,400.00 \$55.00	Each Linear Foot	7 0	\$16,800.00
Culvert	\$700.00			\$0.00
	\$700.00	Linear Foot	0	\$0.00
Pavement Markings 4" Pavement Markings	\$2.00	Linear Foot	32000	\$64,000.00
8" Pavement Markings	\$8.00	Linear Foot	32000	\$64,000.00
Miscellaneous	ا ۱۵۰۰۵۰	Linear FOOL	l of	\$0.00
Guide Rail	\$18.00	Linear Foot	1900	\$34,200.00
Concrete Curb	\$35.00	Linear Foot	1500	\$34,260.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	77.00	Lilleal Foot		50.00
Post Mounted Signs	\$200.00	Each	78	\$15,600.00
1 03¢ (Modifice 3)ghis	7200.00	Lacii	/0	\$0.00
		Cons	truction Subtotal:	\$1,627,918.00
Mobilization	5.0%		uction Total	\$81,395.90
Maintenance and Protection of Traffic	5.0%		uction Total	\$81,395.90
Contingency	15.0%		uction Total	\$244,187.70
,			l Construction:	\$2,034,897.50
Utility Relocation	•			+-/
Utility Pole Relocation	\$3,300.00	Each	50	\$165,000.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	5	\$5,000.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	0	\$0.00
L	,		Utility Subtotal:	\$170,000.00
Contingency	15.0%	Of Utilit	y Subtotal	\$25,500.00
		Total Util	ity Relocation:	\$195,500.00
Right-of-Way	<u> </u>			
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	4.407644628	\$528,917.36
Construction Easement (75% of ROW)		Acres	0	\$396,688.02
Structures	\$180,000.00	Each	0	\$0.00
			of-Way Subtotal:	\$925,605.37
Contingency	15.0%		Way Subtotal	\$138,840.81
			Right-of-Way:	\$1,064,446.18
Engineering	11.5%	Of Constr	uction Total	\$234,013.21
Construction Inspection	8.0%		uction Total	\$162,791.80
Administration and Planning	1.5%		uction Total	\$30,523.46
			al Project Cost:	\$3,722,172.15

PROJECT CODE: 106 TRANSPORTATION DISTRICT: Eastern/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) & Lesher Road (T-949)

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Project not feasible- Will interfer with future interchange projects

Channelize the southbound right turn movement.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	41,571
<b>Utility Relocation</b>	0
Right-of-Way	33,281
Engineering	4,781
Inspection	3,326
Admin & Planning	624
TOTAL	\$83,582

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$210.312	

## PROPOSED FUNDING:

## PROJECT SCHEDULE:

				Year
State/Federal	0%	\$0	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

#### TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	50%	\$0
Southern Distict	50%	\$0

**REMARKS:** 

New Signal (4-way)	Project Number 106	Done By: BDE		Checked:	MJR
New Signal (4-way)	Description	Cost	Unit	Quantity	Total
New Signal (4-way)	Construction Items				
New Signal (3-way)	Traffic Signals				
Signal Modifications   \$20,000.00   Each   0   \$0,000	New Signal (4-way)	\$200,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Pavement	Signal Modifications	\$20,000.00	Each	0	\$0.00
Size   Pavement Overlay and Milling   \$7.00   Square Yard   40   \$0.00	Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
New Pavement Archerial Roads	Pavement				
New Pavement - Cotal Commercial Roads   \$40.00   Square Yard   0   \$0.00	1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads   \$34.00   \$quare Yard   0   \$0.00	New Pavement - Arterial Roads	\$46.00	Square Yard	467	\$21,482.00
New Paverment - Local Residential Roads   \$39.00   Square Yard   200   \$5,800.00	New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
PDD   \$7.25   Linear Foot   \$0.00	New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
Excavation	New Pavement - Local Residential Roads	\$29.00	Square Yard	200	\$5,800.00
Standard	4" PBD	\$7.2S	Linear Foot	0	\$0.00
Drainage	Excavation				
Inite/Manhole	Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Pipe and Trenching	Drainage				
Coulert   \$700.00   Linear Foot   0   \$0.00	Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pavement Markings	Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Pavement Markings		\$700.00	Linear Foot	0	
4" Pavement Markings   \$2.00   Linear Foot   0   \$0.00	Pavement Markings				· · · · · · · · · · · · · · · · · · ·
8" Pavement Markings   \$8.00   Linear Foot   \$0   \$0.00		\$2.00	Linear Foot	0	\$0.00
Miscellaneous					\$0.00
Guide Rail	Miscellaneous				7
Concrete Curb   \$35.00   Linear Foot   12S   \$4,375.00     Bittuminous Wedge Curb   \$7.00   Linear Foot   0   \$0.00     Construction Signs   \$200.00   Fach   \$8   \$1,600.00     Construction Subtotal: \$33,257.00     Mobilization   \$5.0%   Of Construction Total   \$1,662.85     Maintenance and Protection of Traffic   \$5.0%   Of Construction Total   \$1,662.85     Contingency   \$15.0%   Of Construction Total   \$4,587.1.25     Utility Relocation   \$3,300.00   Each   0   \$0.00     Electric Service   \$2,000.00   Each   0   \$0.00     Electric Service   \$2,000.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Contingency   \$15.0%   Of Utility Subtotal   \$0.00     Right-of-Way - Urban   \$150,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Right-of-Way - Subtotal   \$1.653.712     Construction Easement (75% of ROW)   \$15.0%   Of Right-of-Way Subtotal   \$28,940.08     Structures   \$180,000.00   Each   0   \$0.00     Structures		\$18.00	Linear Foot	0	\$0.00
Bituminous Wedge Curb   \$7.00   Linear Foot   0   \$0.00     Cherr Miscellaneous   Fost Mounted Signs   \$200.00   Each   8   \$1,600.00     Fost Mounted Signs   \$200.00   Each   \$8   \$1,600.00	Concrete Curb				
Post Mounted Signs   \$200.00   Each   8   \$1,600.00				<u> </u>	
Post Mounted Signs   \$200.00   Each   \$ \$1,600.00   \$0.00		¥ 1.00	Elifedi i ooc	I	
Mobilization		\$200.00	Fach	8	\$1,600,00
Construction Subtotal: \$33,257.00	T OSE WIOGREEG SIGNS	7200.00	Each	0	
Mobilization			Cons	truction Subtotal:	
Maintenance and Protection of Traffic   5.0%   Of Construction Total   \$1,662.85     Contingency   15.0%   Of Construction Total   \$4,988.55     Total Construction: \$41,571.25     Utility Relocation   \$3,300.00   Each   0   \$0.00     Electric Service   \$2,000.00   Each   0   \$0.00     Water/ Gas Valves   \$250.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     High Tension Electric Poles   \$130,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Other   \$5,000.00   Project   0   \$0.00     Other   \$5,000.00   Project   0   \$0.00     Other   \$15.0%   Of Utility Subtotal   \$0.00     Other   \$15.0%   Of Utility Subtotal   \$0.00     Other   \$15.0%   Of Utility Relocation: \$0.00     Right-of-Way - Urban   \$150,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$12,402.85     Structures   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Right-of-Way Subtotal   \$28,940.08     Structures   \$180,000.00   Each   0   \$0.00     Right-of-Way Subtotal   \$28,940.08     Construction Easement (75% of ROW)   \$15.0%   Of Right-of-Way Subtotal   \$4,341.01     Structures   \$15.0%   Of Right-of-Way Subtotal   \$4,341.01     Structures   \$15.0%   Of Right-of-Way Subtotal   \$4,341.01     Structures   \$15.0%   Of Right-of-Way Subtotal   \$4,341.01     Construction Inspection   \$8.0%   Of Construction Total   \$4,786.65     Construction Inspection   \$8.0%   Of Construction Total   \$4,3325.75     Construction Inspection   \$8.0%   Of Construction Total   \$6.25.57     Construction Inspection   \$6.25.57     Const	Mobilization	5.0%			
Total Construction Total   \$4,988.55					
Total Construction: \$41,571.25   Utility Relocation					
Utility Relocation	Contingency	15.0%			
Utility Pole Relocation	Utility Pelecation	ı	TOta	i Construction.	Ş <del>4</del> 1,571.∠3
Electric Service		52 200 00I	Each	T 0	50.00
Water/ Gas Valves   \$250.00   Each   0   EXHIBIT "B" - continued \$0.00					
Fire Hydrant Relocation					
High Tension Electric Poles   \$130,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Other   \$5,000.00   Project   0   \$0.00     Utility Subtotal: \$0.00     Total Utility Relocation: \$0.00     Right-of-Way - Urban   \$150,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0.137809917   \$16,537.12     Construction Easement (75% of ROW)   Acres   0   \$12,402.83     Structures   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Right-of-Way Subtotal: \$28,940.08     Contingency   \$15.0%   Of Right-of-Way Subtotal   \$4,341.01     Total Right-of-Way: \$33,281.09     Construction Inspection   \$0.00   \$0.00     Construction Total   \$4,780.69     Construction Inspection   \$0.00   \$0.00     Construction Inspection   \$0.00   \$0.00     Construction Inspection   \$0.00   \$0.00     Construction Total   \$4,780.69     Construction Inspection   \$0.00   \$0.00     Construction Total   \$3,325.70     Construction Inspection   \$0.00   \$0.00     Construction Total   \$0.00     Construction Inspection   \$0.00   \$0.00     Construction Inspection					EXHIBIT "B" - continued \$0.00
Sanitary Manhole					
Standard					
Substitution   Subs					
15.0%   Of Utility Subtotal   \$0.00	Other	\$5,000.00]	Project		
Right-of-Way		45.00(	06.11000		
Right-of-Way           Right-of-Way - Urban         \$150,000.00         Acres         0         \$0.00           Right-of-Way - Rural         \$120,000.00         Acres         0.137809917         \$16,537.19           Construction Easement (75% of ROW)         Acres         0         \$12,402.89           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$4,341.01           Engineering         11.5%         Of Construction Total         \$4,780.69           Construction Inspection         8.0%         Of Construction Total         \$3,325.70           Administration and Planning         1.5%         Of Construction Total         \$623.57	Contingency	15,0%			
Right-of-Way - Urban	mt. b f. M		iotai Utii	iny Relocation:	\$0.00
Right-of-Way - Rural		6450.000.001	A :		40.00
Construction Easement (75% of ROW)		_			
Structures		\$120,000.00			
Right-of-Way Subtotal:         \$28,940.08           Contingency         15.0%         Of Right-of-Way Subtotal         \$4,341.01           Total Right-of-Way:         \$33,281.09           Engineering         11.5%         Of Construction Total         \$4,780.69           Construction Inspection         8.0%         Of Construction Total         \$3,325.70           Administration and Planning         1.5%         Of Construction Total         \$623.57		#400.000.00			
Contingency         15.0%         Of Right-of-Way Subtotal         \$4,341.01           Total Right-of-Way:         \$33,281.09           Engineering         11.5%         Of Construction Total         \$4,780.69           Construction Inspection         8.0%         Of Construction Total         \$3,325.70           Administration and Planning         1.5%         Of Construction Total         \$623.57	Structures	[ \$180,000.00]			
Total Right-of-Way: \$33,281.09 Engineering 11.5% Of Construction Total \$4,780.69 Construction Inspection 8.0% Of Construction Total \$3,325.70 Administration and Planning 1.5% Of Construction Total \$623.57					
Engineering11.5%Of Construction Total\$4,780.69Construction Inspection8.0%Of Construction Total\$3,325.70Administration and Planning1.5%Of Construction Total\$623.57	Contingency	15.0%			
Construction Inspection8.0%Of Construction Total\$3,325.70Administration and Planning1.5%Of Construction Total\$623.57					
Administration and Planning 1.5% Of Construction Total \$623.57	Engineering				\$4,780.69
	Construction Inspection				\$3,325.70
Total Project Cost: \$83,582.31	Administration and Planning	1.5%			\$623.57
			Tota	al Project Cost:	\$83,582.31

PROJECT CODE: 107 TRANSPORTATION DISTRICT: Eastern/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) & Route 222 southbound Ramps

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a clover-leaf interchange.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	1,234,313
Utility Relocation	17,250
Right-of-Way	2,777,250
Engineering	141,946
Inspection	98,745
Admin & Planning	18,515
TOTAL	\$4,288,018

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2027	Inflation Rate: 3.76%
Projected Construction Cost	\$8 332 896	

## PROPOSED FUNDING:

## PROJECT SCHEDULE:

**REMARKS:** 

		- No. 2017		Year
State/Federal	100%	\$8,332,896	Secure Funding	2025
Other	0%	\$0	Acquire ROW	2026
Impact Fees	0%	\$0	Compete Engineering	2026
		-	Begin Construction	2027

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	50%	\$0
Southern Distict	50%	\$0

Project Number 107	Done By: BDE		Checked:	IVIJK
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals		<u> </u>		
New Signal (4-way)	\$200,000.00	Each	0	\$0.0
New Signal (3-way)	\$150,000.00	Each	1	\$150,000.0
Signal Modifications	\$20,000.00	Each	0	\$0.0
Emergency Vehicle Preemption Only	\$10,000.00	Each_	0	\$0.0
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.0
New Pavement - Arterial Roads	\$46.00	Square Yard	15000	\$690,000.0
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.0
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.0
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.0
4" PBD	\$7.25	Linear Foot	5000	\$36,250.0
Excavation	445.55			
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.0
Oralnage			- I	
Inlet/Manhole	\$2,400.00	Each	0	\$0.0
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.0
Culvert	\$700.00	Linear Foot	0	\$0.0
Pavement Markings			,	
4" Pavement Markings	\$2.00	Linear Foot	10000	\$20,000.0
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.0
Viscellaneous				
Guide Rail	\$18.00	Linear Foot	5000	\$90,000.0
Concrete Curb	\$35.00	Linear Foot	0	\$0.0
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.0
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	6	\$1,200.0
				\$0.0
			truction Subtotal:	\$987,450.0
Mobilization	5.0%		uction Total	\$49,372.5
Maintenance and Protection of Traffic	5.0%		uction Total	\$49,372.5
Contingency	15.0%		uction Total	\$148,117.5
		Tota	l Construction:	\$1,234,312.5
Utility Relocation	1 40.000-01			<del></del>
Utility Pole Relocation	\$3,300.00	Each	0	\$0.0
Electric Service	\$2,000.00	Each	0	\$0.0
Water/ Gas Valves	\$250.00	Each	<del>}                             </del>	XHIBIT "B" - continued \$0.0
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.0
High Tension Electric Poles	\$130,000.00	Each	0	\$0.0
Sanitary Manhole	\$2,400.00	Each	0	\$0.0
Street Lights	\$5,000.00	Project	3	\$15,000.0
			Utility Subtotal:	\$15,000.0
Contingency	15.0%		y Subtotal	\$2,250.0
		Total Util	ity Relocation:	\$17,250.0
Right-of-Way				<u>.</u>
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.0
Right-of-Way - Rural	\$120,000.00	Acres	11.5	\$1,380,000.0
Construction Easement (75% of ROW)		Acres	0	\$1,035,000.0
Structures	\$180,000.00	Each	0	\$0.0
	-		-of-Way Subtotal:	\$2,415,000.0
Contingency	15.0%		-Way Subtotal	\$362,250.0
			Right-of-Way:	\$2,777,250.0
Engineering	11.5%	Of Constr	uction Total	\$141,945.9
Construction Inspection	8.0%	Of Constr	uction Total	\$98,745.0
Administration and Planning	1.5%	Of Constr	uction Total	\$18,514.6

PROJECT CODE: 108 Eastern/Southern District TRANSPORTATION DISTRICT:

## LOCATION:

Colonel George Howard Boulevard (SR 1040) & Route 222 northbound Ramps

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a clover-leaf interchange.

#### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	1,234,313
Utility Relocation	17,250
Right-of-Way	2,777,250
Engineering	141,946
Inspection	98,745
Admin & Planning	18,515
TOTAL	\$4,288,018

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2027	Inflation Rate: 3.76%
Projected Construction Cost	\$8,332,896	

## PROPOSED FUNDING:

OSED FUNDING:		PROJECT SCHEDULE:		

State/Federal	100%	\$8,332,896	Secure Funding	2025
Other	0%	\$0	Acquire ROW	2026
Impact Fees	0%	\$0	Compete Engineering	2026
			Begin Construction	2027

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
<b>Eastern District</b>	50%	\$0
Southern Distict	50%	ŚO

Year

New Stand (3-way)	Project Number 108	Done By: BDE		Checked:	MJR
New Signal (4-way)	Description	Cost	Unit	Quantity	Total
New Signal (4-way)	Construction Items		de la companya de la		
New Signal (3-way)	Traffic Signals				
Signal Modifications			Each	0	\$0.00
Emergency Vehicle Preemption Only			Each	1	\$150,000.00
Pavement		\$20,000.00	Each	. 0	\$0.00
1.5" Pavement Overlay and Milling   \$7.00   \$square Yard   15000   \$5690,000.00	Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
New Pavement - Arterial Roads					
New Pavement - Collector Roads   S40.00   Square Yard   0   S0.00   New Pavement - Local Commercial Roads   S34.00   Square Yard   0   S0.00   S0.00   New Pavement - Local Residential Roads   S29.00   Square Yard   0   S0.00   S0.00   S36,250.00   S0.00   S36,250.00   S0.00   S36,250.00   S0.00   S36,250.00   S0.00   S36,250.00   S0.00   S0.00   S36,250.00   S0.00   S0.			Square Yard	0	
New Pavement - Local Commercial Roads   \$34.00   Square Yard   0   \$0.00				15000	\$690,000.00
New Pavement - Local Residential Roads   \$29.00   Square Yard   \$0   \$5.00					\$0.00
A PBD					\$0.00
Excavation   Savation   Savatio					\$0.00
Exacavation (Borrow)   \$12,00   Cubic Yard   0   \$0.00		\$7.25	Linear Foot	5000	\$36,250.00
Drainage					
Inlet/Manhole		\$12.00	Cubic Yard	0	\$0.00
Pipe and Trenching				· · · · · ·	
Culvert					
Pavement Markings			Linear Foot		
A		\$700.00	Linear Foot	0	\$0.00
S" Pavement Markings   \$8.00   Linear Foot   0   \$0.00					
Miscellaneous			Linear Foot	10000	\$20,000.00
Guide Rail	8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Concrete Curb   S35.00   Linear Foot   0   \$0.00	<u> </u>				
Bituminous Wedge Curb   S7.00   Linear Foot   0   \$0.00     Other Miscellaneous   S200.00   Each   6   \$1,200.00     Fost Mounted Signs   S200.00   Each   \$6   \$1,200.00     S0,000   S0,000   S0,000     S0,000   S0,000   S0,000     S0,000   S0,000   S0,000     Mobilization   S0,000   S0,000   S0,000     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Of Construction Total   \$49,372.50     Maintenance and Protection of Traffic   S0,000   Each   O   \$0.00     Maintenance and Protection of Traffic   S0,000.00   Each   O   \$0.00     Maintenance and Protection   S3,300.00   Each   O   \$0.00     Maintenance and Protection   S1,000.00   Each   O   \$0.00     Maintenance and Protection   S1,000.00   Each   O   \$0.00     Maintenance and Protection   S1,000.00   Acres   O   \$0.00     Maintenance and Protection   S1,000.00   Each   O	Guide Rail		Linear Foot	5000	\$90,000.00
Other Miscellaneous           Post Mounted Signs         \$200.00         Each         6         \$1,200.00         \$0.00 <td></td> <td></td> <td>Linear Foot</td> <td>0</td> <td>\$0.00</td>			Linear Foot	0	\$0.00
Post Mounted Signs	Bituminous Wedge Curb	\$7.00	Linear Foot	. 0	\$0.00
Mobilization	Other Miscellaneous				
Mobilization	Post Mounted Signs	\$200.00	Each	6	\$1,200.00
Mobilization   5.0%   Of Construction Total   \$49,372.50	·				\$0,00
Maintenance and Protection of Traffic			Cons	truction Subtotal:	\$987,450.00
State   Stat	Mobilization		Of Constr	uction Total	\$49,372.50
Total Construction: \$1,234,312.50   Utility Relocation	Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$49,372.50
Utility Pole Relocation	Contingency	15.0%	Of Constr	uction Total	\$148,117.50
Utility Pole Relocation					\$1,234,312.50
Electric Service					
Water/ Gas Valves   \$250.00   Each   0   EXHIBIT "B" - Continue 0.00			Each		
Fire Hydrant Relocation			Each	0	
High Tension Electric Poles			Each	0	EXHIBIT "B" - continue (),()()
Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Street Lights   \$5,000.00   Project   3   \$15,000.00     Utility Subtotal: \$15,000.00     Utility Subtotal: \$15,000.00     Total Utility Relocation: \$17,250.00     Right-of-Way - Urban   \$150,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   11.5   \$1,380,000.00     Structures   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Total Right-of-Way Subtotal: \$2,415,000.00     Right-of-Way Subtotal: \$2,415,000.00     Total Right-of-Way: \$2,777,250.00     Total Right-of-Way: \$2,777,250.00     Construction Inspection   8.0%   Of Construction Total   \$141,945.94     Construction Inspection   8.0%   Of Construction Total   \$98,745.00     Administration and Planning   1.5%   Of Construction Total   \$18,514.66     Structures   \$18,514.6			Each	0	\$0.00
Street Lights   \$5,000.00   Project   3   \$15,000.00			Each	0	\$0.00
Structures   Str		\$2,400.00	Each	0	\$0.00
Total Utility Subtotal   \$2,250.00	Street Lights	\$5,000.00	Project	3	\$15,000.00
Total Utility Relocation: \$17,250.00				Utility Subtotal:	\$15,000.00
Right-of-Way           Right-of-Way - Urban         \$150,000.00         Acres         0         \$0.00           Right-of-Way - Rural         \$120,000.00         Acres         11.5         \$1,380,000.00           Construction Easement (75% of ROW)         Acres         0         \$1,035,000.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69	Contingency	15.0%	Of Utilit	y Subtotal	\$2,250.00
Right-of-Way - Urban         \$150,000.00         Acres         0         \$0.00           Right-of-Way - Rural         \$120,000.00         Acres         11.5         \$1,380,000.00           Construction Easement (75% of ROW)         Acres         0         \$1,035,000.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69			Total Util	ity Relocation:	\$17,250.00
Right-of-Way - Rural         \$120,000.00         Acres         11.5         \$1,380,000.00           Construction Easement (75% of ROW)         Acres         0         \$1,035,000.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69					
Construction Easement (75% of ROW)         Acres         0         \$1,035,000.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$2,415,000.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69	Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)         Acres         0         \$1,035,000.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$2,415,000.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69		\$120,000.00	Acres	11.5	\$1,380,000.00
Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$2,415,000.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69	Construction Easement (75% of ROW)		Acres	0	\$1,035,000.00
Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69	Structures	\$180,000.00	Each	0	\$0.00
Contingency         15.0%         Of Right-of-Way Subtotal         \$362,250.00           Total Right-of-Way:         \$2,777,250.00           Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69			Right	of-Way Subtotal:	\$2,415,000.00
Engineering         11.5%         Of Construction Total         \$141,945.94           Construction Inspection         8.0%         Of Construction Total         \$98,745.00           Administration and Planning         1.5%         Of Construction Total         \$18,514.69	Contingency	15.0%			
Engineering11.5%Of Construction Total\$141,945.94Construction Inspection8.0%Of Construction Total\$98,745.00Administration and Planning1.5%Of Construction Total\$18,514.69		<u> </u>			
Construction Inspection8.0%Of Construction Total\$98,745.00Administration and Planning1.5%Of Construction Total\$18,514.69	Engineering	11.5%			
Administration and Planning 1.5% Of Construction Total \$18,514.69					
					\$4,288,018.13

PROJECT CODE: 111A

TRANSPORTATION DISTRICT:

Eastern/Western/Southern District

#### LOCATION:

Colonel George Howard Boulevard (SR 1040) / Denver Road (T-901) & Route 272

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a 2nd westbound left turn lane on Col Howard Blvd.

Tie into IO7 & IO8 SR222 Interchange Project and S22 Col. Howard Blvd. widening project

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	165,983
Utility Relocation	5,750
Right-of-Way	0
Engineering	19,088
Inspection	13,279
Admin & Planning	2,490
TOTAL	\$206,589

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2027	Inflation Rate: 3.76%
Projected Construction Cost	\$401,464	

## PROPOSED FUNDING:

## PROJECT SCHEDULE:

				Year
State/Federal	100%	\$401,464	Secure Funding	2025
Other	0%	\$0	Acquire ROW	2026
Impact Fees	0%	\$0	Compete Engineering	2026
			Begin Construction	2027

## TRANSPORTATION DISTRICT COST:

			REMARKS:
Western District	33%	\$0	PENNDOT Project
Eastern District	33%	\$0	
Southern Distict	34%	\$0	

Project Number 111A	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	2	\$40,000.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads- Concrete	\$75.00	Square Yard	533	\$39,975.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00		0	\$0.00
4" PBD	\$7.25	Linear Foot	600	\$4,350.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				
Inlet/Manhole	\$2,400.00	Each	2	\$4,800.00
Pipe and Trenching	\$55.00	Linear Foot	100	\$5,500.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	1 41		r	
4" Pavement Markings	\$2.00	Linear Foot	2600	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				40.00
Guide Rail	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	500	\$17,500.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous			40	42.000.00
Post Mounted Signs	\$200.00	Each	10	
Partial Removal of Island	\$25.00	SY	145 truction Subtotal:	\$3,625.00
6.8 - bilion bion	5.0%		uction Total	\$122,950.00
Mobilization Maintenance and Protection of Traffic	5.0%		uction Total	\$6,147.50 \$6,147.50
	25.0%		uction Total	\$30,737.50
Contingency	23.070		l Construction:	\$165,982.50
Utility Relocation	L	TOLA	i construction.	\$105,562.50
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	Ö	\$0.00
Other	\$5,000.00	Project	1	\$5,000.00
Otilei	35,000.00	Froject	Utility Subtotal:	\$5,000.00
Contingency	15.0%	Of Utilit	y Subtotal	\$750.00
Contingency	13.070		ity Relocation:	\$5,750.00
Right-of-Way	L	10(4) 0(1)	ity relocation.	73,750.00
2027	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	*********
Construction Easement (75% of ROW)	Ç. 20,000.00	Acres	0	\$0.00
Structures	\$180,000.00	Each	Ö	\$0.00
	1 \$200,000.00[		of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
contingency	15.076		Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$19,087.99
Construction Inspection	8.0%		uction Total	\$13,278.60
Administration and Planning	1.5%		uction Total	\$13,278.60
Administration and Figures	1.3/0		al Project Cost:	
	L	IOL	ai riujeti tusti	3 <u>2</u> 00,366.83

PROJECT CODE: 115A TRANSPORTATION DISTRICT: Eastern/Western District

## LOCATION:

Route 272 & Route 897

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a 2nd northbound left turn lane on SR 272

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	197,585
Utility Relocation	16,330
Right-of-Way	0
Engineering	22,722
Inspection	15,807
Admin & Planning	2,964
TOTAL	\$255,408

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$642,663	

## PROPOSED FUNDING:

		Later Colored		Year
State/Federal	100%	\$642,663	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033

PROJECT SCHEDULE:

**Begin Construction** 

**REMARKS:** 

#### TRANSPORTATION DISTRICT COST:

Western District	50%	\$0
Eastern District	50%	\$0
Southern Distict	0%	\$0

EXHIBIT "B" - continued

2034

Project Number I15A	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items			and the second s	
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	1	\$20,000.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pave <u>ment</u>				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	533	\$24,518.00
New Pavement - Collector Roads	\$40.00	<u></u>	0	T
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads 4" PBD	\$29.00	Square Yard	0	
	\$7.25	Linear Foot	600	\$4,350.00
Excavation (Borrow)	\$12.00	Cubic Yard	T 0	\$0.00
Drainage	\$12.00	Cubic fard	l v	\$0.00
Inlet/Manhole	\$2,400.00	Each	1	\$2,400.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	o o	
Pavement Markings	Ψ, σσ.σσ	Linearyout	I	70.00
4" Pavement Markings	\$2.00	Linear Foot	2600	\$5,200.00
8" Pavement Markings	\$8,00	Linear Foot	0	
Miscellaneous			<u></u>	
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	600	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				-, <b>te</b>
Post Mounted Signs	\$200.00	Each	13	\$2,600.00
Sidewalk	\$65.00	SY	1200	\$78,000.00
			truction Subtotal:	\$158,068.00
Mobilization	5.0%		uction Total	\$7,903.40
Maintenance and Protection of Traffic	5.0%		uction Total	\$7,903.40
Contingency	15.0%			\$23,710.20
tielle B. C. of	Į.	lota	Construction:	\$197,585.00
Utility Relocation	£2,200,00I	- I		642 200 00
Utility Pole Relocation Electric Service	\$3,300.00 \$2,000.00	Each	4	\$13,200.00
	\$2,000.00	Each	0	
Water/ Gas Valves Fire Hydrant Relocation	\$1,000.00	Each Each	0	\$1,000.00
High Tension Electric Poles	\$1,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	
- Citat	\$5,000.00	riojece	Utility Subtotal:	\$14,200.00
Contingency	15.0%	Of Utilit	y Subtotal	\$2,130.00
			ity Relocation:	\$16,330.00
Right-of-Way	•			929/330.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
			-of-Way Subtotal:	\$0.00
Contingency	15.0%	Of Right-of-Way Subtotal		\$0.00
			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$22,722.28
Construction Inspection	8.0%		uction Total	\$15,806.80
Administration and Planning	1.5%		uction Total	\$2,963.78
	L	Tota	al Project Cost:	\$255,407.85

PROJECT CODE: 115B TRANSPORTATION DISTRICT: Eastern/Western District

LOCATION:

Route 272 & Route 897

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a 2nd westbound left turn lane on SR 897.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	106,210
<b>Utility Relocation</b>	24,725
Right-of-Way	0
Engineering	12,214
Inspection	8,497
Admin & Planning	1,593
TOTAL	\$153,239

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$385.584	

#### PROPOSED FUNDING:

I HADEAL GALIER AFFI	PRO.	JECT	SCH	EDU	LE:
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**REMARKS:** 

				Year
State/Federal	100%	\$385,584	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

Western District	50%	\$0
<b>Eastern District</b>	50%	\$0
Southern Distict	0%	\$0

Project Number I15B	Done By: BDE	Checked: MJR		MJR
Description	Cost	Unit	Quantity	Total
Construction Items	and the former that the region of the sign of the state of the state of the state of the sign of the sign of the			
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	1	\$20,000.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement			,	
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	533	\$24,518.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	1-7
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads 4" PBD	\$29.00	Square Yard	0	1
Excavation	\$7.25	Linear Foot	600	\$4,350.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	\$12,00	Cubic Yaru	U	\$0.00
Iniet/Manhole	\$2,400.00	Each	2	\$4,800.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	
Pavement Markings	7,00.001	Linearioot		70.00
4" Pavement Markings	\$2.00	Linear Foot	2600	\$5,200.00
8" Pavement Markings	\$8.00	Linear Foot	0	1-7
Miscellaneous				75.55
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	700	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	
Other Miscellaneous	'	'		
Post Mounted Signs	\$200.00	Each	8	\$1,600.00
Other			111111111111111111111111111111111111111	\$0.00
			truction Subtotal:	\$84,968.00
Mobilization	5.0%		uction Total	\$4,248.40
Maintenance and Protection of Traffic	5.0%		uction Total	\$4,248.40
Contingency	15.0%	Of Construction Total		\$12,745.20
	L	Tota	l Construction:	\$106,210.00
Utility Relocation	ta 200 00			4
Utility Pole Relocation	\$3,300.00	Each	5	
Electric Service	\$2,000.00 \$250.00	Each	0	
Water/ Gas Valves Fire Hydrant Relocation	\$1,000.00	Each	0	
High Tension Electric Poles		Each		\$0.00
Sanitary Manhole	\$130,000.00 \$2,400.00	Each Each	0	\$0.00 \$0.00
Street Light	\$5,000.00	Project	1	\$5,000.00
Street Light	75,000.00	riojeci	Utility Subtotal:	\$21,500.00
Contingency	15.0%	Of Litilit	y Subtotal	\$3,225.00
contingency	25.670		ity Relocation:	\$24,725.00
Right-of-Way	<b>-</b>	TOTAL OTHER	ity itelecationi	92-7,723.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0,00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
		Rìght	of-Way Subtotal:	\$0.00
Contingency 15.0% Of Right-of-Way Subtotal		\$0.00		
Total Right-of-Way:				\$0.00
Engineering	11.5%		uction Total	\$12,214.15
Construction Inspection	8.0%		uction Total	\$8,496.80
Administration and Planning				
	1.5%		uction Total al Project Cost:	\$1,593.15 <b>\$153,239.10</b>

PROJECT CODE: 115C TRANSPORTATION DISTRICT: Eastern/Western District

## LOCATION:

Route 272 & Route 897

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct an eastbound right turn lane on SR 897.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	64,741
Utility Relocation	15,180
Right-of-Way	16,616
Engineering	7,445
Inspection	5,179
Admin & Planning	971
TOTAL	\$110,133

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$277 118	

#### PROPOSED FUNDING:

## PROJECT SCHEDULE:

**REMARKS:** 

				Year
State/Federal	100%	\$277,118	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

Western District	50%	\$0
Eastern District	50%	\$0
Southern Distict	0%	\$0

Project Number I15C	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	The state of the s		anne en de la Marie de La compaña de Primario de la Colonia de Col	
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	
New Signal (3-way)	\$150,000.00	Each	0	
Signal Modifications	\$20,000.00	Each	1	<del></del>
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement	47.00	~		1 40.00
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads New Pavement - Collector Roads	\$46.00 \$40.00	Square Yard Square Yard	333	\$15,318.00
New Pavement - Conector Roads  New Pavement - Local Commercial Roads	\$40.00	Square Yard	0	1
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	1
4" PBD	\$7.25	Linear Foot	300	Y
Excavation	\$7.25	Linear root		72,173.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	, , , , , , , , , , , , , , , , , , , ,		_	
Inlet/Manhole	\$2,400.00	Each	1	\$2,400.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	400	\$800.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				
Guide Rail	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	300	
Bituminous Wedge Curb	\$7.00	Linear Foot	] 0	\$0.00
Other Miscellaneous	¢200 00	r - L	1 3	4500.00
Post Mounted Signs Other	\$200.00	Each	3	\$600.00 \$0.00
Other		Cons	<u> </u> truction Subtotal:	\$51,793.00
Mobilization	5.0%		uction Total	\$2,589.65
Maintenance and Protection of Traffic	5.0%		uction Total	\$2,589.65
Contingency	15.0%		uction Total	\$7,768.95
			I Construction:	\$64,741.25
Utility Relocation	•			, , , , , , , , , , , , ,
Utility Pole Relocation	\$3,300.00	Each	4	\$13,200.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	7
<b>.</b>	45.00/	Of Units	Utility Subtotal:	
Contingency	15.0%		y Subtotal lity Relocation:	\$1,980.00 \$15,180.00
Right-of-Way	L	Total Ott	iity Kelotation.	\$13,160.00
Right-of-Way - Urban	\$150,000.00	Acres	l o	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0.068801653	
Construction Easement (75% of ROW)		Acres	0	
Structures	\$180,000.00	Each	0	
		Right	of-Way Subtotal:	\$14,448.35
Contingency	15.0%		·Way Subtotal	\$2,167.25
		Tota	Right-of-Way:	\$16,615.60
Engineering	11.5%		uction Total	\$7,445.24
Construction Inspection	8.0%		uction Total	\$5,179.30
Administration and Planning	1.5%		uction Total	\$971.12
		Tot	al Project Cost:	\$110,132.51

PROJECT CODE: \$24

TRANSPORTATION DISTRICT:

**Eastern District** 

## LOCATION:

Route 897, east of Route 272

## **DEFICIENCY:**

The current roadway segment is deficient with 2034 base traffic volumes.

#### PROPOSED IMPROVEMENTS:

Construct additional thru lanes.

#### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	2,157,603
Utility Relocation	116,150
Right-of-Way	739,248
Engineering	248,124
Inspection	172,608
Admin & Planning	32,364
TOTAL	\$3,466,097

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034
Projected Construction Cost	\$8 721 472

Inflation Rate: 3.76%

## PROPOSED FUNDING:

State/Federal	100%	\$8,721,472
Other	0%	\$0
Impact Fees	0%	\$0

PROJECT SCHEDULE:	
	Year
Secure Funding	2032
Acquire ROW	2033

Compete Engineering
Begin Construction

## 2033 2034

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	100%	\$0
Southern Distict	0%	\$0

REMARKS:

Project Number S24	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	Anna paragraphic and the second control of t	na provincia de la granda de la compositiva della compositiva dell	Company of the Compan	
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	\$200,000.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	10667	\$490,682.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	8000	\$58,000.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				
Inlet/Manhole	\$2,400.00	Each	10	\$24,000.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	16000	\$32,000.0
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				
Guide Rail	\$18.00	Linear Foot	400	\$7,200.00
Concrete Curb	\$35.00	Linear Foot	4000	\$140,000.0
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	21	\$4,200.00
Widen Bridge Structure	\$3,850.00	SY	200	\$770,000.00
		Cons	truction Subtotal:	\$1,726,082.00
Mobilization	5.0%	Of Constr	uction Total	\$86,304.10
Maintenance and Protection of Traffic	5.0%		uction Total	\$86,304.10
Contingency	15.0%	Of Constr	uction Total	\$258,912.30
		Tota	I Construction:	\$2,157,602.50
Utility Relocation				
Utility Pole Relocation	\$3,300.00	Each	30	\$99,000.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	2	\$2,000.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	0	\$0.0
			Utility Subtotal:	\$101,000.00
Contingency	15.0%	Of Utilit	y Subtotal	\$15,150.00
		Total Util	ity Relocation:	\$116,150.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	2.20392562	\$264,471.07
Construction Easement (75% of ROW)		Acres	0	\$198,353.3
Structures	\$180,000.00	Each	1	\$180,000.00
		Right-of-Way Subtotal: \$642,82		\$642,824.38
Contingency	15.0%		Way Subtotal	\$96,423.60
			Right-of-Way:	\$739,248.04
		ıotaı	Kigiit-Ui-VVaV	<u> </u>
Engineering	11.5%		uction Total	
	11.5% 8.0%	Of Constr		\$248,124.29
Engineering Construction Inspection Administration and Planning		Of Constr Of Constr	uction Total	\$248,124.29 \$172,608.20 \$32,364.04

PROJECT CODE: 125

TRANSPORTATION DISTRICT:

Western District

## LOCATION:

Stevens Road (SR 1045) & Wabash Road (T-669) / Indiantown Road (West Cocalico Township)

## **DEFICIENCY:**

The current intersection is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Install a traffic signal.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	250,000
<b>Utility Relocation</b>	0
Right-of-Way	0
Engineering	28,750
Inspection	20,000
Admin & Planning	3,750
TOTAL	\$302,500

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2024
Projected Construction Cost	\$526,229

#### Inflation Rate: 3.76%

## PROPOSED FUNDING:

State/Federal	0%	\$0
Other	100%	\$526,229
Impact Fees	0%	\$0

	Year
Secure Funding	2022
Acquire ROW	2023
Compete Engineering	2023
Begin Construction	2024

#### TRANSPORTATION DISTRICT COST:

Western District	100%	\$0
<b>Eastern District</b>	0%	\$0
Southern Distict	0%	\$0

## **REMARKS:**

PROJECT SCHEDULE:

Project Number 125	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	\$200,000.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	<u> </u>	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	. 0	
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.00
New Pavement - Collector Roads	\$40.00		0	\$0.00
New Pavement - Local Commercial Roads New Pavement - Local Residential Roads	\$34.00	Square Yard	0	\$0.00
4" PBD	\$29.00 \$7.25	Square Yard	0	\$0.00
Excavation	\$1,25	Linear Foot	0	\$0.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	\$12.00	Cubic Yaru	<u> </u>	\$0.00
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	\$100.00	Ellical 1 00E	, ,	J
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	, , , , ,	27110011 1 0 0 0		<del>, , , , , , , , , , , , , , , , , , , </del>
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	\$0.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	0	\$0.00
Other				\$0.00
		Cons	truction Subtotal:	\$200,000.00
Mobilization	5.0%		uction Total	\$10,000.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$10,000.00
Contingency	15.0%		uction Total	\$30,000.00
		Tota	l Construction:	\$250,000.00
Utility Relocation	40,000,001			,
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	<u>Each</u>	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation High Tension Electric Poles	\$1,000.00	Each	0	\$0.00
Sanitary Manhole	\$130,000.00 \$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Each	0	\$0.00 \$0.00
Other	\$3,000,00	Project	Utility Subtotal:	\$0.00
Contingency	15.0%	Of Heilit	y Subtotal	\$0.00
Contangency	13.070		ity Relocation:	\$0.00
Right-of-Way	i	1000100	icy itelocation.	50.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)	,,	Acres	0	
Structures	\$180,000.00	Each	0	\$0.00
		Right	of-Way Subtotal:	\$0.00
Contingency	15.0%			
			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$28,750.00
Construction Inspection	8.0%		uction Total	\$20,000.00
Administration and Planning				\$3,750.00
				33,730.00

PROJECT CODE: 126 TRANSPORTATION DISTRICT: Western District

## LOCATION:

Stevens Road (SR 1045) / Line Road (SR 1045) & Sevens Road (SR 1030) / south Main Street (West Cocalico

## **DEFICIENCY:**

The current intersection is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Install a traffic signal.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	250,000
Utility Relocation	0
Right-of-Way	0
Engineering	28,750
Inspection	20,000
Admin & Planning	3,750
TOTAL	\$302,500

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2024	Inflation Rate: 3.76%
Projected Construction Cost	\$526,229	

#### PROPOSED FUNDING:

## PROJECT SCHEDULE:

				Year
State/Federal	0%	\$0	Secure Funding	2022
Other	100%	\$526,229	Acquire ROW	2023
Impact Fees	0%	\$0	Compete Engineering	2023
			Begin Construction	2024

## TRANSPORTATION DISTRICT COST:

Western District	100%	\$0
Eastern District	0%	\$0
Southern Distict	0%	\$0

**REMARKS:** 

Project Number 126	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	
New Signal (3-way)	\$150,000.00	Each	0	
Signal Modifications	\$20,000.00	Each	0	
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pave <u>ment</u>				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	0	
New Pavement - Collector Roads	\$40.00	Square Yard	0	
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	
4" PBD	\$7.25	Linear Foot	0	\$0.00
Excavation	1			T
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	1 45 450 551			
Inlet/Manhole	\$2,400.00	<u>Each</u>	0	
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	4-00			I
4" Pavement Markings	\$2.00	Linear Foot	0	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	1 1			
Guide Rail	\$18.00	Linear Foot	0	h
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	1 +			
Post Mounted Signs	\$200.00	Each	0	
Other				\$0.00
1 W	F 00/		truction Subtotal:	\$200,000.00
Mobilization	5.0%		uction Total	\$10,000.00
Maintenance and Protection of Traffic	5.0% 15.0%		uction Total	\$10,000.00
Contingency	15.0%		uction Total	\$30,000.00
Utility Relocation	L	TOTA	l Construction:	\$250,000.00
Utility Pole Relocation	\$3,300.00		1	±0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves		Each		
Fire Hydrant Relocation	\$250.00 \$1,000.00	Each	0	
High Tension Electric Poles	\$1,000.00	Each	0	
		Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	
Coultran	1F 00/	06 114:11:4	Utility Subtotal:	
Contingency	15.0%		y Subtotal	\$0.00
m I. Cu.	L	lotal Util	ity Relocation:	\$0.00
Right-of-Way	<u> </u>			T +0.00
Right-of-Way - Urban	\$150,000.00	Acres	0	
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	£100.000.00	Acres	0	
Structures	\$180,000.00	Each	0 of May 5, beat 1	
Continuos	45.004		of-Way Subtotal:	\$0.00 \$0.00
Contingency	15.0%			
			Right-of-Way:	
Engineering	11.5%		uction Total	\$28,750.00
Construction Inspection	8.0%		uction Total	\$20,000.00
Administration and Planning	1.5%			\$3,750.00
			al Project Cost:	\$302,500.00

PROJECT CODE: \$29

TRANSPORTATION DISTRICT:

Southern District

## LOCATION:

Church Street (SR 1051), between Red Run Road (SR 1044) & Napierville

## **DEFICIENCY:**

The current roadway segment is deficient with 2034 base traffic volumes.

## PROPOSED IMPROVEMENTS:

Widen to 12' lanes with 4' shoulders.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	196,600
Utility Relocation	99,820
Right-of-Way	0
Engineering	22,609
Inspection	15,728
Admin & Planning	2,949
TOTAL	\$337,706

## CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$849.744	

## PROPOSED FUNDING:

## PROJECT SCHEDULE:

**REMARKS:** 

				Year
State/Federal	100%	\$849,744	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	0%	\$0
Southern Distict	100%	\$0

Project Number S29	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	St. 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1		Andreas and the second	en en fant de ser ste feren fan de feren en en en en en en feren en en feren en en feren en en feren en en en
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pave <u>ment</u>				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.00
New Pavement - Collector Roads	\$40.00	Square Yard	2667	\$106,680.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	4000	\$29,000.00
Excavation	1 4.4.4.1			
Excavation (Borrow)	\$12.00	Cubic Yard	] 0	\$0.00
Drainage	1 40.000			
Inlet/Manhole	\$2,400.00	Each	. 8	\$19,200.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	1 40.00		· · · · · · · · · · · · · · · · · · ·	
4" Pavement Markings	\$2.00	Linear Foot	0	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous			1	
Guide Rail	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	0;	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous			۰	
Post Mounted Signs	\$200.00	Each	12	\$2,400.00
Other			torrette e College (ed.)	\$0.00
mm-late at	F 00/		truction Subtotal:	\$157,280.00
Mobilization	5.0%		uction Total	\$7,864.00
Maintenance and Protection of Traffic	5.0% 15.0%		uction Total	\$7,864.00
Contingency	15.0%		uction Total	\$23,592.00
I Hilita Dalasatian	L	TOLA	l Construction:	\$196,600.00
Utility Relocation  Utility Pole Relocation	\$3,300.00	Each	າເ	¢0E 000 00
Electric Service	\$2,000.00	Each	26	\$85,800.00 \$0.00
Water/ Gas Valves	\$2,000.00	Each	0	
Fire Hydrant Relocation	\$1,000.00	Each	1	EXHIBIT "B" - continu <b>\$0.00</b>
High Tension Electric Poles	\$130,000.00	Each	0	\$1,000.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	0	\$0.00
Other	\$5,000.00	riojeti	Utility Subtotal:	\$86,800.00
Contingency	15.0%	Of Heilit	y Subtotal	\$13,020.00
Contingency	15.0%		lity Relocation:	\$99,820.00
Right-of-Way	L	i viai vili	ncy nerocation:	333,02U.UL
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
(Construction Easement (75% of ROW)	7120,000.00	Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
para de contrar	7200,000.00		of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
contingency	15.0%	Total Right-of-Way: \$0.0		
Engineering	11.5%		uction Total	\$22,609.00
Engineering Construction Inspection	8.0%		uction Total	\$22,609.00
Construction Inspection	1.5%		uction Total	
Administration and Planning	1.5%			\$2,949.00
	L	IOT	al Project Cost:	\$337,706.00

PROJECT CODE: S01

TRANSPORTATION DISTRICT:

Western District

## LOCATION:

Denver Road Bridge (T-901)

## **DEFICIENCY:**

The current roadway segment is deficient with 2034 projected traffic volumes.

## PROPOSED IMPROVEMENTS:

Widen to 12' lanes with 6' shoulders (upgrade to community collector)

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	804,938
Utility Relocation	7,590
Right-of-Way	53,130
Engineering	201,234
Inspection	80,494
Admin & Planning	12,074
TOTAL	\$1,159,460

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2014	Inflation Rate: 3.76%
Projected Construction Cost	\$1,394,458	

#### PROPOSED FUNDING:

				Year
State/Federal	0%	\$0	Secure Funding	2012
Other	0%	\$0	Acquire ROW	2012
Impact Fees	100%	\$1,394,458	Compete Engineering	2013
			Begin Construction	2014

PROJECT SCHEDULE:

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	100%	\$1,394,458
<b>Eastern District</b>	0%	\$0
Southern Distict	0%	\$0

Project Number S01	Done By: BDE	Checked: MJR		MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	. 0	\$0.00
Signal Modifications	\$20,000.00	Each	0	T
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.0
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.0
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.0
New Pavement - Collector Roads	\$40.00	Square Yard	4000	\$160,000.0
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.0
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.0
4" PBD	\$7.25	Linear Foot	2000	\$14,500.0
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.0
Drainage				
Inlet/Manhole	\$2,400.00	Each	4	\$9,600.0
Pipe and Trenching	\$55.00	Linear Foot	222	\$12,210.0
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$0.16	Linear Foot	4000	\$640.0
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.0
Miscellaneous				
Guide Rail	\$25.00	Linear Foot	500	\$12,500.0
Concrete Curb	\$35.00	Linear Foot	2000	\$70,000.0
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	0	\$0.00
New Bridge Structure	\$1,350.00	Square Yard	270	\$364,500.0
			truction Subtotal:	\$643,950.00
Mobilization	5.0%		uction Total	\$32,197.5
Maintenance and Protection of Traffic	5.0%		uction Total	\$32,197.50
Contingency	15.0%		uction Total	\$96,592.50
	Ĺ	Tota	l Construction:	\$804,937.50
Utility Relocation	40 -00 001			
Utility Pole Relocation	\$3,300.00	Each	2	\$6,600.0
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each		EXHIBIT "B" - continued\$0.0
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.0
Sanitary Manhole	\$2,400.00	Each	0	\$0.0
Other	\$5,000.00	Project	0	\$0.0
			Utility Subtotal:	\$6,600.0
Contingency	15.0%		y Subtotal	\$990.00
	Ĺ	Total Util	ity Relocation:	\$7,590.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.0
Right-of-Way - Rural	\$120,000.00	Acres	0.31	\$37,200.0
Construction Easement (25% of ROW)	\$30,000.00	Acres	0.3	\$9,000.0
Structures	\$180,000.00	Each	0	\$0.0
			of-Way Subtotal:	\$46,200.0
Contingency	15.0%	In the second se		
			Right-of-Way:	\$53,130.00
Engineering	25.0%		uction Total	\$201,234.3
Construction Inspection	10.0%	Of Constr	uction Total	\$80,493.75
Administration and Planning	1.5%	Of Constr	uction Total	\$12,074.00
			al Project Cost:	\$1,159,459.69

PROJECT CODE: 103 TRANSPORTATION DISTRICT: Southern District

#### LOCATION:

Church Street (SR 1051) & Reamstown Road (T-700)

### **DEFICIENCY:**

The current intersection is deficient with 2034 projected traffic volumes.

## PROPOSED IMPROVEMENTS:

Install a traffic signal.

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	250,000
Utility Relocation	0
Right-of-Way	17,250
Engineering	28,750
Inspection	20,000
Admin & Planning	3,750
TOTAL	\$319,750

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2024	Inflation Rate: 3.76%
<b>Projected Construction Cost</b>	\$556,237	

#### PROPOSED FUNDING:

State/Federal	0%	\$0	Secure Funding	
Other	33%	\$183,558	Acquire ROW	
Impact Fees	67%	\$372,679	Compete Engineering	

PROJECT SCHEDULE:

**Begin Construction** 

**REMARKS:** 

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
<b>Eastern District</b>	0%	\$0
Southern Distict	100%	\$372,679

# EXHIBIT "B" - continued

2024

Project Number 103	Done By: BDE		Checked	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	
New Signal (3-way)	\$150,000.00	Each	- 0	
Signal Modifications	\$20,000.00	Each	0	· · · · · · · · · · · · · · · · · · ·
Emergency Vehicle Preemption Only	\$10,000.00	Each	<u> </u>	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	· · · · · · · · · · · · · · · · · · ·
New Pavement - Arterial Roads	\$46.00	Square Yard	0	
New Pavement - Collector Roads	\$40.00		0	
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads 4" PBD	\$29.00	Square Yard	0	
	\$7.25	Linear Foot	0	\$0.00
Excavation  Excavation (Borrow)	\$12.00	Cubic Vard	0	†0.00
	\$12.00	Cubic Yard	U	\$0.00
Drainage Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	
Pavement Markings	7,00.00	EITICAT TOOL	<u> </u>	30.00
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	ő	
Miscellaneous			1	\$0.00
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	
Other Miscellaneous	<u>'</u>			
Post Mounted Signs	\$200.00	Each	0	\$0.00
Other			0	\$0.00
			truction Subtotal:	\$200,000.00
Mobilization	5.0%	Of Constr	uction Total	\$10,000.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$10,000.00
Contingency	15.0%		uction Total	\$30,000.00
	L	Tota	I Construction:	\$250,000.00
Utility Relocation			· · · · · · · · · · · · · · · · · · ·	·
Utility Pole Relocation	\$3,300.00	Each	0	
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each		EXHIBIT "B" - continued \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	0	1
High Tension Electric Poles Sanitary Manhole	\$130,000.00 \$2,400.00	Each	0	
Other	\$5,000.00	Each	0	
Other	30,000,00	Project	Utility Subtotal:	T
Contingency	15.0%	Of Littlife	y Subtotal	\$0.00 \$0.00
Contingency	1 23.070		ity Relocation:	
Right-of-Way	L	.001001	ncy actocations	0.00
Right-of-Way - Urban	\$150,000.00	Acres	0.1	\$15,000.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)		Acres	0	
Structures	\$180,000.00	Each	0	
h	<u> </u>	Right	of-Way Subtotal:	\$15,000.00
Contingency	15.0%		Way Subtotal	\$2,250.00
•			Right-of-Way:	
Engineering	11.5%		uction Total	\$28,750.00
Construction Inspection	8.0%	Of Constr	uction Total	\$20,000.00
Administration and Planning	1.5%		uction Total	\$3,750.00
-		Tota	al Project Cost:	

PROJECT CODE: 104A

TRANSPORTATION DISTRICT:

Western/Southern District

### LOCATION:

Church Street (SR 1051) & Route 272

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

### PROPOSED IMPROVEMENTS:

Construct a westbound left turn lane and right turn lane, remove/install two signal poles, curb

#### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	382,000
Utility Relocation	35,535
Right-of-Way	75,469
Engineering	57,300
Inspection	38,200
Admin & Planning	5,730
TOTAL	\$594,234

### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2019	Inflation Rate: 3.76%
Projected Construction Cost	\$859.522	

#### PROPOSED FUNDING:

) FUNDING:	PROJECT SCHEDULE

				Year
State/Federal	0%	\$0	Secure Funding	2017
Other	50%	\$429,761	Acquire ROW	2018
Impact Fees	50%	\$429,761	Compete Engineering	2018
			Regin Construction	2019

#### TRANSPORTATION DISTRICT COST:

			REMARKS:	
Western District	0%	\$0		
<b>Eastern District</b>	0%	\$0		
Southern Distict	100%	\$429,761		

Description   Cost   Unit   Quantity   Total	Project Number 104A	Done By: BDE		Checked:	MJR
New Signal (4-way)	Description	Cost	Unit	Quantity	Total
New Signal (4-way)	Construction Items				
New Signal (3-way)   \$150,000.00   Each   0   \$0.00	Traffic Signals				
Signal Modifications   \$20,000.00   Each   0   \$0.00		\$200,000.00	Each	0.5	\$100,000.00
Berngenny Vehicle Preemption Only   \$10,000.00   \$6ach   0   \$0,000     Pavewment	New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Pavement	Signal Modifications	\$20,000.00	Each	0	\$0.00
1.5" Pavement Overlay and Milling   \$7.00   Square Yard   4000   \$28,000.00   New Pavement - Arterial Roads   \$40.00   Square Yard   1000   \$46,000.00   New Pavement - Colei Commercial Roads   \$34.00   Square Yard   0   \$5.00   New Pavement - Local Commercial Roads   \$34.00   Square Yard   0   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   \$5.00   New Pavement - Local Residential Roads   \$34.00   Square Yard   400   \$5.00   \$	Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
New Pavement - Activation Roads					
New Pavement - Collector Roads			Square Yard	4000	
New Pavement - Local Commercial Roads   \$34.00   Square Yard   4.00   \$11,000.00				1000	
New Pavement - Local Residential Roads   \$29.00   Square Yard   \$400   \$51,000.00					
A PBD					
Excavation   Excavation   Size.00   Cubic Yard   O   Size.00   O   O   O   O   O   O   O   O   O					
Excavation (Borrow)   \$12.00		\$7.25	Linear Foot	800	\$5,800.00
Drainge					
Intels/Manhole		\$12.00	Cubic Yard	0	\$0.00
Pipe and Trenching					
Culvert					
Pavement Markings					
R   Pavement Markings   \$2.00   Linear Foot   2600   \$5,200.00     B   Pavement Markings   \$3.00   Linear Foot   0   \$0.00     Miscellaneous		\$700.00	Linear Foot	0	\$0.00
Second Harkings   Second Linear Foot   Second Holes		ام مما		· · · · · · · · · · · · · · · · · · ·	4
Miscellaneous         Guide Rail         \$18.00         Linear Foot         0         \$0.00           Guide Rail         \$35.00         Linear Foot         1200         \$42,000.00           Bituminous Wedge Curb         \$7.00         Linear Foot         0         \$0.00           Other Miscellaneous         \$200.00         Each         \$5         \$1,000.00           Other (ADA Ramps)         \$2,500.00         Each         \$5         \$1,000.00           Other (ADA Ramps)         \$2,500.00         Each         \$5         \$1,000.00           Mobilization         \$5.0%         Of Construction Total         \$15,280.00           Maintenance and Protection of Traffic         \$5.0%         Of Construction Total         \$15,280.00           Contingency         \$15.0%         Of Construction Total         \$15,280.00           Utility Relocation         \$3,300.00         Each         \$3         \$9,00.00           Utility Relocation         \$3,300.00         Each         \$3         \$9,00.00           Electric Service         \$2,000.00         Each         \$0         \$0.00           Water/ Gas Valves         \$25.00.0         Each         \$0         \$0.00           Fire Hydrant Relocation					
Guide Rail		\$8,00	Linear Foot	0	\$0.00
Concrete Curb   S35.00   Linear Foot   1200   \$42,000.00   Bittuminous Wedge Curb   S7.00   Linear Foot   S0.00   S					ام مما
Bituminous Wedge Curb   S7.00   Linear Foot   S0.00   S0.00   Other Miscellaneous   S200.00   Each   S   S1,000.00   Other (ADA Ramps)   S2,500.00   Each   S   S1,000.00   S2,500.00   Each   S305,600.00   S305,				, , ,	
Post Mounted Signs   \$20.0.0   Each   \$ \$1,000.00     Cother (ADA Ramps)   \$2,500.00   Each   \$ \$1,000.00     Construction Subtotal: \$305,600.00     Mobilization   \$5.0%   Of Construction Total   \$15,280.00     Maintenance and Protection of Traffic   \$15.0%   Of Construction Total   \$15,280.00     Maintenance and Protection of Traffic   \$15.0%   Of Construction Total   \$15,280.00     Maintenance and Protection of Traffic   \$15.0%   Of Construction Total   \$45,840.00     Contingency   \$15.0%   Of Construction Total   \$45,840.00     Willity Relocation   \$10.0%   Total Construction   \$382,000.00     Utility Relocation   \$3,300.00   Each   \$3,990.00     Electric Service   \$2,000.00   Each   \$0   \$0.00     Water/ Gas Valves   \$250.00   Each   \$0   \$0.00     Electric Service   \$2,000.00   Each   \$0   \$0.00     Water/ Gas Valves   \$250.00   Each   \$0   \$0.00     High Tension Electric Poles   \$130,000.00   Each   \$0   \$0.00     High Tension Electric Poles   \$130,000.00   Each   \$0   \$0.00     Other   \$5,000.00   Each   \$0   \$0.00     Other   \$5,000.00   Project   \$4   \$20,000.00     Other   \$5,000.00   Project   \$4   \$20,000.00     Water/ Gas Valves   \$15.0%   \$0   \$0.00     Other   \$5,000.00   Project   \$4   \$20,000.00     Utility Subtotal   \$4,635.00     Contingency   \$15.0%   \$0   \$0   \$0.00     Other   \$5,000.00   Project   \$0   \$0.00     Contingency   \$15.0%   \$0   \$0   \$0.00     Construction Easement (75% of ROW)   \$150,000.00   Acres   \$0.25   \$37,500.00     Construction Easement (75% of ROW)   \$150,000.00   Acres   \$0   \$0.00     Construction Easement (75% of ROW)   \$15.0%   \$0   \$0   \$0.00     Contingency   \$15.0%   \$0   \$0   \$0   \$0.00     Contingency   \$15.0%   \$0   \$0   \$0   \$0   \$0.00     Contingency   \$15.0%   \$0   \$0   \$0   \$0   \$0   \$0   \$0					
Post Mounted Signs   \$200.00   Each   \$ \$1,000.00     Other (ADA Ramps)   \$2,500.00   Each   \$ \$1,000.00     Construction Subtoal: \$305,600.00     Mobilization   \$5.0%   Of Construction Total   \$15,280.00     Maintenance and Protection of Traffic   \$5.0%   Of Construction Total   \$15,280.00     Maintenance and Protection of Traffic   \$15.0%   Of Construction Total   \$15,280.00     Contingency   \$15.0%   Of Construction Total   \$45,840.00     Total Construction: \$382,000.00     Utility Relocation   \$3,300.00   Each   \$3   \$9,900.00     Electric Service   \$2,000.00   Each   \$3   \$9,900.00     Electric Service   \$2,000.00   Each   \$0   \$0.00     Water/ Gas Valves   \$250.00   Each   \$0   \$0.00     Water/ Gas Valves   \$250.00   Each   \$0   \$0.00     High Tension Electric Poles   \$130,000.00   Each   \$0   \$0.00     Sanitary Manhole   \$2,400.00   Each   \$0   \$0.00     Other   \$5,000.00   Forest   \$4   \$20,000.00     Contingency   \$15.0%   \$0   \$0   \$0   \$0     Contingency   \$15.0%   \$0   \$0   \$0   \$0     Right-of-Way - Urban   \$150,000.00   Acres   \$0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   \$0   \$0.00     Construction Easement (75% of ROW)   \$15.0%   \$0   \$0   \$0   \$0     Contingency   \$15.0%   \$0   \$0   \$0   \$0   \$0     Contingency   \$15.0%   \$0   \$0   \$0   \$0   \$0   \$0     Contingency   \$15.0%   \$0   \$0   \$0   \$0   \$0   \$0   \$0		\$7,00	Linear Foot	U]	\$0.00
Other (ADA Ramps)   \$2,500.00   Each   4   \$10,000.00     Mobilization   5.0%   Of Construction Subtoals: \$305,600.00     Maintenance and Protection of Traffic   5.0%   Of Construction Total   515,280.00     Maintenance and Protection of Traffic   5.0%   Of Construction Total   515,280.00     Total Construction Total   515,280.00     Total Construction Total   515,280.00     Maintenance and Protection of Traffic   5.0%   Of Construction Total   515,280.00     Total Construction   5382,000.00     Water (Sas Valves   520.00   Each   3   \$9,900.00     Electric Service   \$2,000.00   Each   0   \$0.00     Water (Gas Valves   \$250.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$0.00     Maintenance   \$1,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Other   \$5,000.00   Froject   4   \$2,000.00     Other   \$15.0%   Of Utility Subtotal   \$30,900.00     Contingency   15.0%   Of Utility Relocation   \$35,535.00     Right-of-Way - Urban   \$150,000.00   Acres   0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Structures   \$15.0%   Of Right-of-Way Subtotal   \$9,843.75     Construction Easement (75% of ROW)   \$15.0%   Of Right-of-Way Subtotal   \$9,843.75     Contingency   15.0%   Of Right-of-Way Subtotal   \$9,843.75     Contingency   15.0%   Of Construction Total   \$38,200.00     Administration and Planning   15.0%   Of Construction Total   \$38,200.00     Administration and Planning   15.0%   Of Construction Total   \$57,300.00     Administration and Planning   15.0%   Of Construction Total   \$57,300.00     Administration and Planning   15.0%   Of Construction Total   \$57,300.00     Construction Inspection   10.0%   Of Construction Total   \$57,300.00     Construction Inspection   10.0%   Of Construction Total   \$57,300.00     Construction Inspection   10.0%			r. l.		44.000.00
Mobilization         5.0%         Of Construction Total         \$15,280,00           Maintenance and Protection of Traffic         5.0%         Of Construction Total         \$15,280,00           Contingency         15.0%         Of Construction Total         \$15,280,00           Total Construction         \$45,840,00           Utility Relocation         \$3,300.00         Each         3         \$9,900.00           Electric Service         \$2,000.00         Each         3         \$9,900.00           Electric Service         \$2,000.00         Each         0         \$0.00           Electric Service         \$2,000.00         Each         0         \$0.00           Water/ Gas Valves         \$250.00         Each         0         \$0.00           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           High Tension Electric Poles         \$130,000.00         Each         0         \$0.00           Other         \$5,000.00         Forject         4         \$20,000.00           Other         \$5,000.00         Forject         4         \$20,000.00           Contingency         \$150,000.00         Acres         0.25         \$37,500.00           Right-o				5	
Mobilization         5.0%         Of Construction Total         \$15,280.00           Maintenance and Protection of Traffic         5.0%         Of Construction Total         \$15,280.00           Contingency         15.0%         Of Construction Total         \$15,280.00           Total Construction         \$45,840.00           Utility Relocation         \$3,300.00         Each         3         \$9,900.00           Electric Service         \$2,000.00         Each         0         \$0.00           Water Gos Valves         \$250.00         Each         0         \$0.00           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           High Tension Electric Poles         \$130,000.00         Each         0         \$0.00           Sanitary Manhole         \$2,400.00         Project         4         \$20,000.00           Other         \$5,000.00         Project         4         \$20,000.00           Other         \$5,000.00         Project         4         \$20,000.00           Contingency         \$15.0%         Of Utility Subtotal         \$4,635.00           Right-of-Way - Urban         \$15.0%         Acres         0.25         \$37,500.00           Right-of	Other (ADA Ramps)	\$2,500.00		4	
Maintenance and Protection of Traffic   5.0%   0f Construction Total   \$15,280.00     Contingency   15.0%   0f Construction Total   \$45,840.00     Total Construction: \$382,000.00     Total Construction: \$382,000.00     Total Construction: \$382,000.00     Utility Relocation   \$3,300.00   Each   3   \$9,900.00     Electric Service   \$2,000.00   Each   0   Exhiliar Tenderson \$0.00     Water/ Gas Valves   \$250.00   Each   0   Exhiliar Tenderson \$0.00     Fire Hydrant Relocation   \$1,000.00   Each   1   \$1,000.00     High Tension Electric Poles   \$130,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$15.0%   Of Utility Subtotal   \$4,635.00     Total Utility Relocation: \$35,535.00     Right-of-Way - Urban   \$150,000.00   Acres   0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$28,125.00     Construction Easement (75% of ROW)   \$15.0%   Of Right-of-Way Subtotal   \$9,843.75     Right-of-Way Subtotal   \$9,843.75     Total Rig	6.6 a la 11 a a 24 a 14	E 00/			
Contingency         15.0%         Of Construction Total         \$45,840.00           Total Construction:         \$382,000.00           Utility Relocation           Electric Service         \$2,000.00         Each         3         \$9,900.00           Water/ Gas Valves         \$250.00         Each         0         Exhibit Terrorming(0,00)           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           Sanitary Manhole         \$2,400.00         Each         0         \$0.00           Other         \$5,000.00         Project         4         \$20,000.00           Contingency         15.0%         Of Utility Subtotal         \$4,635.00           Contingency         15.0%         Of Utility Relocation         \$35,535.00           Right-of-Way - Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$20.00           Structures         \$180,000.00 <td></td> <td></td> <td></td> <td></td> <td></td>					
Total Construction: \$382,000.00					
Utility Pole Relocation   \$3,300.00   Each   3   \$9,900.00     Electric Service   \$2,000.00   Each   0   \$0,000     Water/ Gas Valves   \$2550.00   Each   0   \$2,000.00     Fire Hydrant Relocation   \$1,000.00   Each   0   \$1,000.00     High Tension Electric Poles   \$130,000.00   Each   0   \$0,000     Sanitary Manhole   \$2,400.00   Each   0   \$0,000     Sanitary Manhole   \$2,400.00   Each   0   \$0,000     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$15.00   Of Utility Subtotal   \$4,635.00     Other   \$15.00   Of Utility Relocation   \$35,535.00     Right-of-Way - Urban   \$150,000.00   Acres   0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$20,000     Construction Easement (75% of ROW)   Acres   0   \$20,000     Structures   \$180,000.00   Each   0   \$0,000     Struc	Contingency	13.0%			
Utility Pole Relocation	Htility Polocation	L	TOLA	Constituttion	\$382,000.00
Electric Service		\$3,300,00	Fach	3	śa ann nn
Water/ Gas Valves   \$250.00   Each   0   Exhibit "B" - continuity 0.00     Fire Hydrant Relocation   \$1,000.00   Each   1   \$1,000.00     High Tension Electric Poles   \$130,000.00   Each   0   \$0.00     Sanitary Manhole   \$2,400.00   Each   0   \$0.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$5,000.00   Project   4   \$20,000.00     Other   \$15.00   Of Utility Subtotal   \$30,900.00     Other   \$15.00   Of Utility Subtotal   \$4,635.00     Other   \$15.00   Of Utility Relocation   \$35,535.00     Right-of-Way - Urban   \$150,000.00   Acres   0.25   \$37,500.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$28,125.00     Structures   \$180,000.00   Each   0   \$0.00     Struc					
Fire Hydrant Relocation					
High Tension Electric Poles					
Sanitary Manhole				_	
Other         \$5,000.00         Project         4         \$20,000.00           Contingency         15.0%         Of Utility Subtotal         \$30,900.00           Total Utility Relocation:         \$35,535.00           Right-of-Way         Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         \$15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         \$15.0%         Of Construction Total         \$57,300.00           Construction Inspection         \$0.0%         Of Construction Total         \$38,200.00           Administration and Planning         \$1.5%         Of Construction Total         \$5,730.00					
Standard					
Total Utility Subtotal         \$4,635.00           Total Utility Relocation:         \$35,535.00           Right-of-Way           Right-of-Way - Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         \$15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         \$15.0%         Of Construction Total         \$57,300.00           Construction Inspection         \$10.0%         Of Construction Total         \$38,200.00           Administration and Planning         \$1.5%         Of Construction Total         \$57,330.00		+5,000.00	1.0]000	·	
Total Utility Relocation: \$35,535.00           Right-of-Way         Right-of-Way - Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00	Contingency	15.0%	Of Utilit		
Right-of-Way           Right-of-Way - Urban         \$150,000.00         Acres         0.25         \$37,500.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal         \$65,625.00           Total Right-of-Way Subtotal         \$9,843.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00					
Right-of-Way - Urban   \$150,000.00   Acres   0.25   \$37,500.00   Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00   \$0.00   Acres   0   \$28,125.00   Acres   0   \$0.00   \$0.00   Acres   0   \$0.00   \$	Right-of-Way	L		,	<del>\$20,000.00</del>
Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$65,625.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Total Right-of-Way:         \$75,468.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00		\$150,000.00	Acres	0.25	\$37,500,00
Construction Easement (75% of ROW)         Acres         0         \$28,125.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$65,625.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00					
Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$65,625.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00					
Right-of-Way Subtotal:         \$65,625.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Total Right-of-Way:         \$75,468.75           Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00		\$180,000.00			
Contingency         15.0%         Of Right-of-Way Subtotal         \$9,843.75           Engineering         15.0%         Of Construction Total         \$75,468.75           Construction Inspection         15.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00		· · · · · · · · · · · · · · · · · · ·		of-Way Subtotal:	
Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00	Contingency	15.0%			
Engineering         15.0%         Of Construction Total         \$57,300.00           Construction Inspection         10.0%         Of Construction Total         \$38,200.00           Administration and Planning         1.5%         Of Construction Total         \$5,730.00	•				
Construction Inspection10.0%Of Construction Total\$38,200.00Administration and Planning1.5%Of Construction Total\$5,730.00	Engineering	15.0%			
Administration and Planning 1.5% Of Construction Total \$5,730.00		10.0%			
100011101000000000000000000000000000000	-			al Project Cost:	\$594,233.75

PROJECT CODE: 104B TRANSPORTATION DISTRICT: Western/Southern District

#### LOCATION:

Church Street (SR 1051) & Route 272

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

### PROPOSED IMPROVEMENTS:

Construct a Eastbound left turn lane and right turn lane, remove/install two signal poles, curb

#### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	382,000
Utility Relocation	45,885
Right-of-Way	43,125
Engineering	43,930
Inspection	30,560
Admin & Planning	5,730
TOTAL	\$551,230

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2019	Inflation Rate: 3.76%
Projected Construction Cost	\$797 320	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

				Year
State/Federal	0%	\$0	Secure Funding	2017
Other	50%	\$398,660	Acquire ROW	2018
Impact Fees	50%	\$398,660	Compete Engineering	2018
			Begin Construction	2019

### TRANSPORTATION DISTRICT COST:

Western District	100%	\$398,660
<b>Eastern District</b>	0%	\$0
Southern Distict	0%	ŚO

### **REMARKS:**

Project Number 1048	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0.5	\$100,000.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement		<del></del>		1 442 442 221
1.5" Pavement Overlay and Milling New Pavement - Arterial Roads	\$7.00	Square Yard	4000	
New Pavement - Arterial Roads  New Pavement - Collector Roads	\$46.00 \$40.00	Square Yard Square Yard	1000	
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	400	\$11,600.00
4" PBD	\$7.25	Linear Foot	800	\$5,800.00
Excavation	7.1.5	ziiieai i ooc		ψ3,000.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	<u>'</u>			
Inlet/Manhole	\$2,400.00	Each	5	\$12,000.00
Pipe and Trenching	\$55.00	Linear Foot	800	\$44,000.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	1		T	
4" Pavement Markings	\$2.00	Linear Foot	2600	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous Guide Rail	\$18.00	Lineau Frank	0	ćo oo
Concrete Curb	\$18.00	Linear Foot Linear Foot	1200	φ 0,000
Bituminous Wedge Curb	\$7.00	Linear Foot	1200	\$42,000.00
Other Miscellaneous	77.00	Cilieal Poot		\$0.00
Post Mounted Signs	\$200.00	Each	5	\$1,000.00
Other(ADA Ramps)	\$2,500.00	Each	4	\$10,000.00
	· · · · · · · · · · · · · · · · · · ·	Cons	truction Subtotal:	\$305,600.00
Mobilization	5.0%	Of Constr	uction Total	\$15,280.00
Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$15,280.00
Contingency	15.0%		uction Total	\$45,840.00
	Ĺ	Tota	l Construction:	\$382,000.00
Utility Relocation	1 4			
Utility Pole Relocation	\$3,300.00	Each .	3	
Electric Service	\$2,000.00	Each	0	·
Water/ Gas Valves Fire Hydrant Relocation	\$250.00 \$1,000.00	Each		EXHIBIT "B" - continue \$0.00
High Tension Electric Poles	\$130,000.00	Each Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	6	
	<b>4370000</b>		Utility Subtotal:	\$39,900.00
Contingency	15.0%	Of Utilit	y Subtotal	\$5,985.00
• •		Total Util	ity Relocation:	\$45,885.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0.25	
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)		Acres	0	
Structures	\$180,000.00	Each	0	γ σ.σ σ
Castingange	4E 00/		of-Way Subtotal:	\$37,500.00
Contingency	15.0%		Way Subtotal	\$5,625.00 \$43.13F.00
Engineering	11.5%		Right-of-Way: uction Total	
Engineering Construction Inspection	8.0%		uction Total	\$43,930.00 \$30,560.00
Administration and Planning	1.5%		uction Total	\$30,560.00 \$5,730.00
Administration and Flaming	1,376		al Project Cost:	
	L	100	ai ri ojeti Costi	3J3T,23U,UU

PROJECT CODE: S05 TRANSPORTATION DISTRICT: Eastern/Western District

### LOCATION:

Route 897, west of Route 272

### **DEFICIENCY:**

The current roadway segment is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Widen to 12' lanes with 6' shoulders.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	731,383
Utility Relocation	474,030
Right-of-Way	0
Engineering	84,109
Inspection	58,511
Admin & Planning	10,971
TOTAL	\$1,359,003

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$3 419 554	

#### PROPOSED FUNDING:

## PROJECT SCHEDULE:

				rear
State/Federal	100%	\$3,419,554	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
		7	Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

			REWARKS:
Western District	0%	\$0	Future PENNDOT Project
Eastern District	0%	\$0	
Southern Distict	0%	\$0	

Project Number S05	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items			**************************************	
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement	1 22			+1
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	7111	\$327,106.00
New Pavement - Collector Roads  New Pavement - Local Commercial Roads	\$40.00 \$34.00	Square Yard Square Yard	0	\$0.00 \$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	16000	\$116,000.00
Excavation	Ş., 125]	EMICAL TOOL	10000	\$120,000.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				
Inlet/Manhole	\$2,400.00	Each	31	\$74,400.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	t40.00		4200	¢22 400 00
Guide Rail	\$18.00	Linear Foot	1300	\$23,400.00
Concrete Curb Bituminous Wedge Curb	\$35.00 \$7.00	Linear Foot Linear Foot	1000	\$35,000.00 \$0.00
Other Miscellaneous	\$7.00	Lillear FOOL	l V	50.00
Post Mounted Signs	\$200.00	Each	46	\$9,200.00
Other	\$200.00	Lucii	70	\$0.00
		Cons	truction Subtotal:	\$585,106.00
Mobilization	5.0%	Of Constr	uction Total	\$29,255.30
Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$29,255.30
Contingency	15.0%	Of Constr	uction Total	\$87,765.90
		Tota	l Construction:	\$731,382.50
Utility Relocation				
Utility Pole Relocation	\$3,300.00	Each	124	\$409,200.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	<u>Each</u>		EXHIBIT "B" - continued \$0.00
Fire Hydrant Relocation	\$1,000.00	<u>Each</u>	3	\$3,000.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole Other	\$2,400.00 \$5,000.00	Each Project	0	\$0.00 \$0.00
Other	00.000,00	Fioject	Utility Subtotal:	\$412,200.00
Contingency	15.0%	Of Utilit	y Subtotal	\$61,830.00
contingency			lity Relocation:	\$474,030.00
Right-of-Way	•			, ,
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
			-of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$84,108.99
Construction Inspection	8.0%		uction Total	\$58,510.60
Administration and Planning	1.5%		uction Total	\$10,970.74
	Į.	l ot:	al Project Cost:	\$1,359,002.83

PROJECT CODE: 109A

TRANSPORTATION DISTRICT:

Eastern/Southern District

#### LOCATION:

Colonel George Howard Boulevard (SR 1040) & Pepperidge Farm Boulevard (T-902)

## **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

### PROPOSED IMPROVEMENTS:

Construct a 2nd northbound left turn lane (Left-Left-Thru-Right configuration).

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

103,210
5,750
0
11,869
8,257
1,548
\$130,634

#### **CONSTRUCTION YEAR AND PROJECTED COST:**

Construction Year	2019	Inflation Rate: 3.76%
Projected Construction Cost	\$188 954	

#### PR

PROPOSED FUNDING:			PROJECT SCHEDULE:
			Year
State/Federal	0%	\$0	Secure Funding
Other	100%	\$188,954	Acquire ROW
Impact Fees	0%	\$0	Compete Engineering
			Begin Construction
TRANSPORTATION DISTRIC	T COST:		
		See the second	REMARKS:
Western District	0%	\$0	Work to be done by Developer of adjacent
<b>Eastern District</b>	99%	\$0	parcels
Southern Distict	1%	\$0	

Project Number 109A	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	and the second s			
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	4	\$20,000.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	533	\$24,518.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	- 0	\$0.00
4" PBD	\$7.25	Linear Foot	600	\$4,350.00
Excavation			<u> </u>	
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	1 62 400 001			40.00
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings  4" Pavement Markings	<u> </u>	15	2500	¢= 200 00
8" Pavement Markings	\$2.00 \$8.00	Linear Foot	2600	\$5,200.00
. 2	38.00	Linear Foot	0	\$0.00
Miscellaneous Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	500	\$17,500.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$17,300.00
Other Miscellaneous	\$7.00	Lillear FOOL	0	Ş0.0C
Post Mounted Signs	\$200.00	Each	5	\$1,000.00
Other (ADA upgrades)	\$1.00	LS	10000	\$10,000.00
other (ADA apgrades)	\$1.00		truction Subtotal:	\$82,568.00
Mobilization	5.0%		uction Total	\$4,128.40
Maintenance and Protection of Traffic	5.0%		uction Total	\$4,128.40
Contingency	15.0%		uction Total	\$12,385.20
			Construction:	\$103,210.00
Utility Relocation	•			\$105,E10.00
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each		XHIBIT "B" - continued \$0,00
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	1	\$5,000.00
			Utility Subtotal:	\$5,000.00
Contingency	15.0%	Of Utilit	y Subtotal	\$750.00
		Total Uti	ity Relocation:	\$5,750.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
			-of-Way Subtotal:	\$0.00
Contingency	15.0% Of Right-of-Way Subtotal			\$0.00
			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$11,869.15
Construction Inspection	8.0%		uction Total	\$8,256.80
Administration and Planning	1.5%		uction Total	\$1,548.15
		Tota	al Project Cost:	\$130,634.10

PROJECT CODE: 109B TRANSPORTATION DISTRICT:

NSPORTATION DISTRICT: Eastern/Southern District

#### LOCATION:

Colonel George Howard Boulevard (SR 1040) & Pepperidge Farm Boulevard (T-902)

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

### PROPOSED IMPROVEMENTS:

109B Deleted- Work roled into 109A "Construct a northbound right turn lane."

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	51,929
Utility Relocation	0
Right-of-Way	0
Engineering	5,972
Inspection	4,154
Admin & Planning	779
TOTAL	\$62,834

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
<b>Projected Construction Cost</b>	\$0	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

	3.00			Year
State/Federal	0%	\$0	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

### TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
<b>Eastern District</b>	99%	\$0
Southern Distict	1%	\$0

**REMARKS:** 

Project Number 1098	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items	e na Parini, per 1977 same akt ing nga paranit nang ngan nga paga akt ing pagi sa Pangan.			
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	1	
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement	1			
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	333	
New Pavement - Collector Roads	\$40.00	Square Yard	0	· · · · · · · · · · · · · · · · · · ·
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	<u> </u>
New Pavement - Local Residential Roads 4" PBD	\$29.00 \$7.25	Square Yard	200	1
Excavation	\$7.43	Linear Foot	300	\$2,175.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage	Ş12.00	Cubic faid		30.00
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	o o	
Pavement Markings	4	Linear Foot	<u> </u>	γο.σο
4" Pavement Markings	\$2.00	Linear Foot	400	\$800.00
8" Pavement Markings	\$8.00	Linear Foot	0	
Miscellaneous			·····	1
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	0	
Removal of Channelizing Island	\$25.00	SY	130	1 . /
			truction Subtotal:	\$41,543.00
Mobilization	5.0%		uction Total	\$2,077.15
Maintenance and Protection of Traffic	5.0%		uction Total	\$2,077.15
Contingency	15.0%	Of Construction Total  Total Construction:		\$6,231.45
Hallian Delegation	L	iota	i Construction:	\$51,928.75
Utility Relocation Utility Pole Relocation	\$3,300.00	Each	l 0	\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each	Ö	·
Fire Hydrant Relocation	\$1,000.00	Each	0	
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	
	•		Utility Subtotal:	\$0.00
Contingency	15.0%	Of Utilit	y Subtotal	\$0,00
		Total Util	lity Relocation:	\$0.00
Right-of-Way	_			
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	
Structures	\$180,000.00	Each	0	
			-of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
	44.5-1		Right-of-Way:	
Engineering	11.5%		uction Total	\$5,971.81
Construction Inspection	8.0%		uction Total	\$4,154.30
Administration and Planning	1.5%		uction Total	\$778,93
	L	Tota	al Project Cost:	\$62,833.79

PROJECT CODE: 109C Eastern/Southern District TRANSPORTATION DISTRICT:

## LOCATION:

Colonel George Howard Boulevard (SR 1040) & Pepperidge Farm Boulevard (T-902)

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Construct dual southbound left turn lanes. Maintain existing SB RT Lane and Thru lane.

Maintain exisiting signals and install median to create protected EB RT lane

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	310,568
Utility Relocation	5,750
Right-of-Way	0
Engineering	35,715
Inspection	24,845
Admin & Planning	4,659
TOTAL	\$381,537

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2019	Inflation Rate: 3.76%
Projected Construction Cost	\$551,869	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

I ITOI OSED I GIADIITO.			I MOJECI SCHEDOLL	
				Year
State/Federal	0%	\$0	Secure Funding	
Other	100%	\$551,869	Acquire ROW	
Impact Fees	0%	\$0	Compete Engineering	
			Begin Construction	
TRANSPORTATION DISTRIC	T COST:			
			REMARKS:	

Western District	0%	\$0	Work to be done by Developer of adjacent
Eastern District	99%	\$0	parcels
Southern Distict	1%	\$0	

Project Number 109C	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
raffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.0
New Signal (3-way)	\$150,000.00	Each	0	\$0.0
Signal Modifications	\$20,000.00	Each	1	\$20,000.0
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.0
avement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.0
New Pavement - Arterial Roads (Concrete)	\$70.00	Square Yard	1600	\$112,000.
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.0
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.0
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.6
4" PBD	\$7.25	Linear Foot	1000	\$7,250.0
xcavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.6
Prainage				
Inlet/Manhole	\$2,400.00	Each	0	\$0.6
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.0
Culvert	\$700.00	Linear Foot	0	\$0.6
avement Markings	. •			
4" Pavement Markings	\$2.00	Linear Foot	4400	\$8,800.
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.6
/liscellaneous				·
Guide Rail	\$18.00	Linear Foot	0	\$0.0
Concrete Curb (Vertical and Mountable)	\$35.00	Linear Foot	2000	\$70,000.
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.6
Other Miscellaneous	1		υ <sub> </sub>	<del>-</del>
Post Mounted Signs	\$200.00	Each	10	\$2,000.6
ADA Upgrades	\$1.00	LS	10,000	\$10,000.0
, 12 14 <b>- FO</b> , 12 12			truction Subtotal:	\$230,050.0
/lobilization	5.0%		uction Total	\$11,502.5
Maintenance and Protection of Traffic	5.0%		uction Total	\$11,502.5
Contingency	25.0% Of Construction To			\$57,512.5
, and the second			Construction:	\$310,567.5
Jtility Relocation	L	1010	. Construction.	7010,007.0
Utility Pole Relocation	\$3,300.00	Each	0	\$0.0
Electric Service	\$2,000.00	Each	0	\$0.0
Water/ Gas Valves	\$250.00	Each	, ,	EXHIBIT "B" - continued \$0.(
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.0
(High Tension Electric Poles	\$130,000.00	Each	0	\$0.0
Sanitary Manhole	\$2,400.00	Each	0	\$0.0
Other	\$5,000.00	Project	1	\$5,000.0
Other	J-000,000	Project	Utility Subtotal:	\$5,000.0
'antina ana	15.0%	Of Heilit	y Subtotal	\$5,000.t \$750.t
Contingency	13.078		ity Relocation:	
Dight of Way	L	iotai otii	ity Kelotation:	\$5,750.0
<b>Right-of-Way</b> Right-of-Way - Urban	\$150,000.00	A aut a	ما	ĆO (
Right-of-Way - Orban Right-of-Way - Rural	\$150,000.00	Acres	0	\$0.0
	\$120,000.00	Acres	0	\$0.0
Construction Easement (75% of ROW)	¢100 000 00	Acres	0	\$0.6
Structures	\$180,000.00	Each	0 -f 14/ Ch+-+-h	\$0.6
	45.52		of-Way Subtotal:	\$0.0
ontingency	15.0%		Way Subtotal	\$0.0
			Right-of-Way:	\$0.0
ngineering	11.5%		uction Total	\$35,715.
Construction Inspection	8.0%		uction Total	\$24,845.4
Administration and Planning	1.5%		uction Total	\$4,658.5
		Tota	al Project Cost:	\$381,536.6

PROJECT CODE: 109D TRANSPORTATION DISTRICT: Eastern/Southern District

### LOCATION:

Colonel George Howard Boulevard (SR 1040) & Pepperidge Farm Boulevard (T-902)

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

109D Deleted- Work roled into 109C "Construct a southbound right turn lane." Existing SB Right Turn Lane can be maintained following Cocalico Commons HOP work.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	48,366
Utility Relocation	0
Right-of-Way	0
Engineering	5,562
Inspection	3,869
Admin & Planning	725
TOTAL	\$58,523

#### CONSTRUCTION YEAR AND PROJECTED COST:

<b>Construction Year</b>		2034	Inflation Rate: 3.76	5%
<b>Projected Construction</b>	Cost	\$0		
PROPOSED FUNDING:			PROJECT SCHEDULE:	
				Year
State/Federal	0%	\$0	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034
TRANSPORTATION DISTRIC	COST:			
			REMARKS:	
Western District	0%	\$0		
Eastern District	99%	\$0		
Southern Distict	1%	\$0		

Project Number 109D	Done By: BDE	Checked: MJR		MJR
Description	Cost	Unit	Quantity	Total
Construction Items	AND			and the state of t
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	
New Signal (3-way)	\$150,000.00	Each	0	7
Signal Modifications	\$20,000.00	Each	1	
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	333	\$15,318.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	7
New Pavement - Local Commercial Roads	\$34.00		0	
New Pavement - Local Residential Roads	\$29.00		0	9 0.00
4" PBD	\$7.25	Linear Foot	300	\$2,175.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage			·	
Inlet/Manhole	\$2,400.00	Each	0	T -
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	400	\$800.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	
Other Miscellaneous			•	
Post Mounted Signs	\$200.00	Each	2	\$400.00
				\$0.00
		Cons	truction Subtotal:	\$38,693.00
Mobilization	5.0%	Of Constr	uction Total	\$1,934.65
Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$1,934.65
Contingency	15.0%	Of Constr	uction Total	\$5,803.95
- '		Tota	l Construction:	\$48,366.25
Utility Relocation	•			
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	
L			Utility Subtotal:	\$0.00
Contingency	15.0%	Of Utilit	y Subtotal	\$0.00
			ity Relocation:	\$0.00
Right-of-Way	<b>-</b>	1010.01.	117 11014 00010111	\$0.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	÷==0,000.000	Acres	0	
Structures	\$180,000.00	Each	Ö	[
	1 +-00,000.00		-of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
consinguity	15.076		Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$5,562.12
Construction Inspection	8.0%			\$3,869.30
Administration and Planning	1.5%			\$3,869.30
Administration and Flamfills	1.3/0			\$58,523.16
	L	Total Project Cost: \$58,52		

PROJECT CODE: 110 TRANSPORTATION DISTRICT: Eastern/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) & Reamstown Road (T-700)

### **DEFICIENCY:**

The current intersection is deficient with 2034 projected traffic volumes.

### PROPOSED IMPROVEMENTS:

Install a traffic signal.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	187,500
Utility Relocation	0
Right-of-Way	0
Engineering	21,563
Inspection	15,000
Admin & Planning	2,813
TOTAL	\$226,875

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2027	Inflation Rate: 3.76%
Projected Construction Cost	\$440,886	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

**REMARKS:** 

				Year
State/Federal	33%	\$145,492	Secure Funding	2025
Other	0%	\$0	Acquire ROW	2026
Impact Fees	67%	\$295,393	Compete Engineering	2026
			Begin Construction	2027

## TRANSPORTATION DISTRICT COST:

Western District	0%	<b>]</b> \$0
Eastern District	75%	\$221,545
Southern Distict	25%	\$73,848

Project Number I10	Done By: BDE	Checked: M		MJR
Description	Cost	Unit	Quantity	Total
Construction Items	······································	· · · · · · · · · · · · · · · · · · ·		
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	1	\$150,000.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	0	1
New Pavement - Collector Roads	\$40.00	Square Yard	0	
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	1
4" PBD	\$7.25	Linear Foot	0	\$0.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				11
Inlet/Manhole	\$2,400.00	Each	0	
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	1 42.00		-	
4" Pavement Markings	\$2.00	Linear Foot	0	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	640.00			
Guide Rail	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	6200 00			40.00
Post Mounted Signs	\$200.00	Each	0	,
		Cama	turatian Cultatat	\$0.00
	5.0%		truction Subtotal:	\$150,000.00
Mobilization  Maintenance and Protection of Traffic	5.0%		uction Total uction Total	\$7,500.00
	15.0%		uction Total	\$7,500.00 \$22,500.00
Contingency	13.0%		Construction:	\$187,500.00
Utility Relocation	l.	TULA	CONSTRUCTION:	\$1.67,500.00
Utility Pole Relocation	\$3,300.00	Each	0	\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each		EXHIBIT "B" - continue \$0,00
Fire Hydrant Relocation	\$1,000.00	Each	0	
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00	Project	0	
Offici	75,000.00	TTOJECE	Utility Subtotal:	\$0.00
Contingency	15.0%	Of Litilit	y Subtotal	\$0.00
contingency	13.0%		ity Relocation:	\$0.00
Right-of-Way	L	. Juli Otti	y	90.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Acres	0	
Structures	\$180,000.00	Each	0	
			of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
····g,			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$21,562.50
Construction Inspection	8.0%		uction Total	\$15,000.00
Administration and Planning	1.5%			\$2,812.50
	<u> </u>		al Project Cost:	\$226,875.00
	L			

PROJECT CODE: 111B TRANSPORTATION DISTRICT: Eastern/Western/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) / Denver Road (T-901) & Route 272

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Prohibit left turns and thru movements exiting the eastbound approach. Project 130 is required prerequisite or concurrently.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	253,250
Utility Relocation	0
Right-of-Way	0
Engineering	29,124
Inspection	20,260
Admin & Planning	3,799
TOTAL	\$306,433

#### **CONSTRUCTION YEAR AND PROJECTED COST:**

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$771,052	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

**REMARKS:** 

				Year
State/Federal	50%	\$385,526	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	50%	\$385,526	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

Western District	1%	\$3,855
Eastern District	98%	\$377,816
Southern Distict	1%	\$3,855

Project Number I11B	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	\$200,000.00
New Signal (3-way)	\$150,000.00	Each	0	
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement		•		
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	0	\$0.00
Excavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage				
Inlet/Manhole	\$2,400.00	Each	0	
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0_	\$0.00
Pavement Markings				
4" Pavement Markings	\$2.00	Linear Foot	1300	
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	, .1			
Guide Rail	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	0	T '
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous				1
Post Mounted Signs	\$200.00	Each	0	T=.0=.
				\$0.00
44 197	E 00/		truction Subtotal:	\$202,600.00
Mobilization (T. 65)	5.0%		uction Total	\$10,130.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$10,130.00
Contingency	15.0%		uction Total	\$30,390.00
Heilieu Balasseian	L	10ta	l Construction:	\$253,250.00
Utility Relocation Utility Pole Relocation	\$3,300.00	Each		\$0.00
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$2,000.00	Each	-	
Fire Hydrant Relocation	\$1,000.00	Each	0	
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Other	\$5,000.00		0	
Other	\$5,000.00	Project	Utility Subtotal:	
Contingency	15.0%	Of Dilli	y Subtotal	\$0.00
Contingency	15.076		ity Relocation:	\$0.00
Right-of-Way	Ļ	TOtal Oth	ity itelocation.	30.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	7120,000.00	Acres	. 0	
Structures	\$180,000.00	Each	0	
	7-33,000.00		of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
	13.076		Right-of-Way:	
Engineering	11.5%		uction Total	\$29,123.75
Construction Inspection	8.0%		uction Total	\$29,123.73
Administration and Planning	1.5%		uction Total	\$3,798.75
A CONTRACTOR CONTRACTO	1.570		al Project Cost:	
	L	1014	ar i roject COSt.	73UU;43Z.3U

PROJECT CODE: 111C TRANSPORTATI

TRANSPORTATION DISTRICT: Eastern/Western/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) / Denver Road (T-901) & Route 272

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a 2nd northbound right turn lane.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	51,491
Utility Relocation	0
Right-of-Way	0
Engineering	5,921
Inspection	4,119
Admin & Planning	772
TOTAL	\$62,304

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2029	Inflation Rate: 3.76%
Projected Construction Cost	\$130.352	

#### PROPOSED FUNDING:

PROJECT SCHEDU	LE:	
----------------	-----	--

**REMARKS:** 

				Tear
State/Federal	50%	\$65,176	Secure Funding	2027
Other	0%	\$0	Acquire ROW	2028
Impact Fees	50%	\$65,176	Compete Engineering	2028
			Begin Construction	2029

## TRANSPORTATION DISTRICT COST:

Western District	1%	\$652
Eastern District	98%	\$63,873
Southern Distict	1%	\$652

Pavement	Project Number I11C	Done By: BDE		Checked:	MJR
New Signal (3-way)	Description	Cost	Unit	Quantity	Total
New Signal (4-way)	Construction Items			menty in the second of the sec	valdes van Avon in konventa von von en hen en kind en en vind en en en vind en en en vind en en en en en en en
New Signal (3-way)		· · · · · · · · · · · · · · · · · · ·			
Signal Modifications   \$20,000.00   Each   1   \$20,000.00			Each		
Emergency Vehicle Preemption Only			Each	0	
Pavement			Each	1	\$20,000.00
1.5" Pavement Overlay and Milling   S7.00   Square Yard   0   S0.00	Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
New Pavement - Anterial Roads					
New Pavement - Collector Roads   \$40.00   \$quare Yard   0   \$50.00					
New Pavement - Local Commercial Roads   \$34.00   \$0.000     New Pavement - Local Residential Roads   \$29.00   \$0.000     New Pavement - Local Residential Roads   \$29.00   \$0.000     New Pavement - Local Residential Roads   \$29.00   \$0.000     Pipe D				333	\$15,318.00
New Pavement - Local Residential Roads   \$29.00   Square Yard   0   \$0.00					
4"PBD   \$7.25   Linear Foot   300   \$2,175.00     Excavation   Excavation   Excavation   Excavation   Siz.00   Cubic Yard   0   \$0,00     Drainage					•
Excavation   Excavation   S12.00   Cubic Yard   O   \$0.00					
Excavation (Borrow)   \$12.00   Cubic Yard   0   \$0.00     Drainage		\$7.25	Linear Foot	300	\$2,175.00
Drainage					
Inlet/Manhole		J \$12.00	Cubic Yard	0	\$0.00
Pipe and Trenching				·	
Culvert   S700.00   Linear Foot   O   S0.00					
Pavement Markings	· · · · · · · · · · · · · · · · · · ·		<del></del>	0	
A		\$700.00	Linear Foot	0	\$0.00
S" Pavement Markings   S8.00   Linear Foot   O   \$0.00					
Miscellaneous		\$2.00	Linear Foot	400	\$800.00
Guide Rail	8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Concrete Curb   \$35.00   Linear Foot   0   \$0.00	Miscellaneous				
Bituminous Wedge Curb   S7.00   Linear Foot   O   \$0.00	Guide Rail	\$18.00	Linear Foot	0	\$0.00
Other Miscellaneous           Post Mounted Signs         \$200.00         Each         2         \$400.00           Removal of Channelizing Island         \$25.00         SY         100         \$2,500.00           Construction Subtotal:         \$41,193.00           Mobilization         5.0%         Of Construction Total         \$2,059.65           Maintenance and Protection of Traffic         5.0%         Of Construction Total         \$2,059.65           Contingency         15.0%         Of Construction Total         \$2,059.65           Contingency         15.0%         Of Construction Total         \$2,059.65           Utility Relocation         \$33,300.00         Each         0         \$0.00           Electric Service         \$2,000.00         Each         0         \$0.00           Electric Service         \$2,000.00         Each         0         \$0.00           Water/ Gas Valves         \$250.00         Each         0         \$0.00           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           High Tension Electric Poles         \$130,000.00         Each         0         \$0.00           Sanitary Manhole <td>Concrete Curb</td> <td>\$35.00</td> <td>Linear Foot</td> <td>0</td> <td>\$0.00</td>	Concrete Curb	\$35.00	Linear Foot	0	\$0.00
Post Mounted Signs   S200.00   Each   2   S400.00   Removal of Channelizing Island   \$25.00   SY   100   \$2,590.00   S2,590.00   S2,590.00   S2,590.00   S4,193.00   S2,590.00   S4,193.00   S2,590.50   S4,193.00   S4,193.00   S4,193.00   S4,193.00   S4,193.00   S4,193.00   S6,178.95   S6,178	Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Removal of Channelizing Island   \$25.00   SY   100   \$2,500.00					
Mobilization   Substail:   \$41,193.00	Post Mounted Signs	\$200.00	Each	2	\$400.00
Mobilization         5.0%         Of Construction Total         \$2,059.65           Maintenance and Protection of Traffic         5.0%         Of Construction Total         \$2,059.65           Contingency         15.0%         Of Construction Total         \$2,059.65           Utility Relocation           Utility Pole Relocation         \$3,300.00         Each         0         \$0.00           Electric Service         \$2,000.00         Each         0         \$0.00           Water/ Gas Valves         \$2550.00         Each         0         \$0.00           Fire Hydrant Relocation         \$1,000.00         Each         0         \$0.00           High Tension Electric Poles         \$130,000.00         Each         0         \$0.00           Sanitary Manhole         \$2,400.00         Each         0         \$0.00           Other         \$5,000.00         Project         0         \$0.00           Total Utility Subtotal         \$0.00           Right-of-Way         15.0%         Of Utility Subtotal         \$0.00           Right-of-Way - Urban         \$150,000.00         Acres         0         \$0.00           Right-of-Way - Paral         \$120,000.00         Acres         0         \$0.00<	Removal of Channelizing Island	\$25.00	SY	100	\$2,500.00
Maintenance and Protection of Traffic			Cons	truction Subtotal:	\$41,193.00
Solitingency   Solitity Relocation   Soli	Mobilization	5.0%	Of Constr	uction Total	\$2,059.65
Total Construction: \$51,491.25	Maintenance and Protection of Traffic	5.0%	Of Constr	uction Total	\$2,059.65
Utility Relocation	Contingency	15.0%	Of Constr	uction Total	\$6,178.95
Utility Pole Relocation			Tota	l Construction:	\$51,491.25
Electric Service					
Water/ Gas Valves			Each	0	
Fire Hydrant Relocation			Each	0	\$0.00
High Tension Electric Poles	Water/ Gas Valves		Each	0	EXHIBIT "B" - continued\$0.00
Sanitary Manhole	£		Each	0	
Other			Each	0	\$0.00
Contingency   15.0%   Of Utility Subtotal:   \$0.00	Sanitary Manhole	\$2,400.00	Each	0	\$0.00
15.0%   Of Utility Subtotal   \$0.00	Other	\$5,000.00	Project	0	\$0.00
Right-of-Way - Urban   \$150,000.00   Acres   0   \$0.00     Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Construction Easement (75% of ROW)   \$180,000.00   Each   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Contingency   \$15.0%   Of Right-of-Way Subtotal   \$0.00     Total Right-of-Way Subtotal   \$0.00     Structures   \$0.00     Structures   \$15.0%   Of Construction Total   \$5,921.49     Construction Inspection   \$8.0%   Of Construction Total   \$4,119.30     Administration and Planning   \$1.5%   Of Construction Total   \$772.37     Structures   \$1.5%   Of Construction Total   \$7.5%				Utility Subtotal:	\$0.00
Right-of-Way           Right-of-Way - Urban         \$150,000.00         Acres         0         \$0.00           Right-of-Way - Rural         \$120,000.00         Acres         0         \$0.00           Construction Easement (75% of ROW)         Acres         0         \$0.00           Structures         \$180,000.00         Each         0         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$0.00           Engineering         11.5%         Of Construction Total         \$5,921.49           Construction Inspection         8.0%         Of Construction Total         \$4,119.30           Administration and Planning         1.5%         Of Construction Total         \$772.37	Contingency	15.0%	Of Utilit	y Subtotal	\$0.00
Right-of-Way - Urban			Total Util	lity Relocation:	\$0.00
Right-of-Way - Rural   \$120,000.00   Acres   0   \$0.00     Construction Easement (75% of ROW)   Acres   0   \$0.00     Structures   \$180,000.00   Each   0   \$0.00     Contingency   \$15.0%   Of Right-of-Way Subtotal: \$0.00     Contingency   \$15.0%   Of Right-of-Way Subtotal: \$0.00     Total Right-of-Way: \$0.00     Engineering   \$11.5%   Of Construction Total   \$5,921.49     Construction Inspection   \$8.0%   Of Construction Total   \$4,119.30     Administration and Planning   \$1.5%   Of Construction Total   \$772.37     Construction Inspection   \$772.37     Construction Total   \$772.37     Construction Inspection   \$772.37     Construc					
Construction Easement (75% of ROW)         Acres         0         \$0.00           Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal:         \$0.00           Total Right-of-Way:         \$0.00           Engineering         11.5%         Of Construction Total         \$5,921.49           Construction Inspection         8.0%         Of Construction Total         \$4,119.30           Administration and Planning         1.5%         Of Construction Total         \$772.37			Acres	0	\$0.00
Structures         \$180,000.00         Each         0         \$0.00           Right-of-Way Subtotal:         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$0.00           Total Right-of-Way:         \$0.00           Engineering         11.5%         Of Construction Total         \$5,921.49           Construction Inspection         8.0%         Of Construction Total         \$4,119.30           Administration and Planning         1.5%         Of Construction Total         \$772.37		\$120,000.00	Acres	0	\$0.00
Contingency         Right-of-Way Subtotal:         \$0.00           Contingency         15.0%         Of Right-of-Way Subtotal         \$0.00           Total Right-of-Way:         \$0.00           Engineering         11.5%         Of Construction Total         \$5,921.49           Construction Inspection         8.0%         Of Construction Total         \$4,119.30           Administration and Planning         1.5%         Of Construction Total         \$772.37	Construction Easement (75% of ROW)		Acres	0	\$0.00
Contingency         15.0%         Of Right-of-Way Subtotal         \$0.00           Indicated the properties of the p	Structures	\$180,000.00		-	\$0.00
Engineering11.5%Of Construction Total\$5,921.49Construction Inspection8.0%Of Construction Total\$4,119.30Administration and Planning1.5%Of Construction Total\$772.37			Right	-of-Way Subtotal:	\$0.00
Engineering11.5%Of Construction Total\$5,921.49Construction Inspection8.0%Of Construction Total\$4,119.30Administration and Planning1.5%Of Construction Total\$772.37	Contingency	15.0%			\$0.00
Engineering11.5%Of Construction Total\$5,921.49Construction Inspection8.0%Of Construction Total\$4,119.30Administration and Planning1.5%Of Construction Total\$772.37			Total Right-of-Way: \$0.		
Construction Inspection8.0%Of Construction Total\$4,119.30Administration and Planning1.5%Of Construction Total\$772.37	Engineering	11.5%			
Administration and Planning 1.5% Of Construction Total \$772.37					
		1.5%			
	3				\$62,304.41

PROJECT CODE: I11D TRANSPORTATION DISTRICT: Eastern/Western/Southern District

## LOCATION:

Colonel George Howard Boulevard (SR 1040) / Denver Road (T-901) & Route 272

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

## PROPOSED IMPROVEMENTS:

Construct a 2nd westbound right turn lane.

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	60,679
Utility Relocation	0
Right-of-Way	0
Engineering	6,978
Inspection	4,854
Admin & Planning	910
TOTAL	\$73,421

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2029	Inflation Rate: 3.76%
Projected Construction Cost	\$153,611	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

				Teal
State/Federal	50%	\$76,805	Secure Funding	2027
Other	0%	\$0	Acquire ROW	2028
Impact Fees	50%	\$76,805	Compete Engineering	2028
			Begin Construction	2029

## TRANSPORTATION DISTRICT COST:

Western District	1%	\$768
Eastern District	98%	\$75,269
Southern Distict	1%	\$768

**REMARKS:** 

Project Number I11D	Done By: &DE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items			general transmit annual constituent of the contract of the con	and the state of t
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	1	
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement			<b>T</b>	<u> </u>
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	
New Pavement - Arterial Roads	\$46.00	Square Yard	333	\$15,318.00
New Pavement - Collector Roads	\$40.00		0	T
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	T
4" PBD	\$7.25	Linear Foot	300	\$2,175.00
Excavation  Excavation (Borrow)	\$12.00	C. his Vand		
	\$12.00	Cubic Yard	0	\$0.00
Drainage Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	
Culvert	\$700.00	Linear Foot	0	
Pavement Markings	7700.00	Linear FOOL		00.00
4" Pavement Markings	\$2.00	Linear Foot	400	\$800.00
8" Pavement Markings	\$8.00	Linear Foot	0	
Miscellaneous	70.00	Linear root	<u></u>	Ι
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	
Other Miscellaneous	· .			т
Post Mounted Signs	\$200.00	Each	. 0	\$0.00
Removal of Channelizing Island	\$25.00	SY	410	\$10,250.00
N		Cons	truction Subtotal:	\$48,543.00
Mobilization	5.0%		uction Total	\$2,427.15
Maintenance and Protection of Traffic	5.0%		uction Total	\$2,427.15
Contingency	15.0%		uction Total	\$7,281.45
	L	Tota	I Construction:	\$60,678.75
Utility Relocation				
Utility Pole Relocation	\$3,300.00	Each	0	
Electric Service	\$2,000.00	Each	0	
Water/ Gas Valves	\$250.00	Each		EXHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles Sanitary Manhole	\$130,000.00	Each Each	0	
Other	\$2,400.00 \$5,000.00	Each	0	\$0.00 \$0.00
Offici	\$3,000.00	Project	Utility Subtotal:	\$0.00
Contingency	15.0%	Of Littlife	y Subtotal	\$0.00
Contangency	15.076		ity Relocation:	\$0.00
Right-of-Way	ŗ.	iotai otii	ity Relocation.	30.00
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	
Construction Easement (75% of ROW)	,,	Acres	0	
Structures	\$180,000.00	Each	0	
			of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
-			Right-of-Way:	\$0.00
Engineering	11.5%	Of Constr	uction Total	\$6,978.06
Construction Inspection	8.0%	Of Constr	uction Total	\$4,854.30
Administration and Planning	1.5%		uction Total	\$910.18
		Tota	al Project Cost:	\$73,421.29

PROJECT CODE: 118 TRANSPORTATION DISTRICT: Eastern/Western District

#### LOCATION:

Route 272 & Pepperidge Farm Driveway

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

## PROPOSED IMPROVEMENTS:

Realign and Signalize with Route 272 & Hill Road (T-846).

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	581,175
Utility Relocation	71,990
Right-of-Way	0
Engineering	66,835
Inspection	46,494
Admin & Planning	8,718
TOTAL	\$775,212

#### **CONSTRUCTION YEAR AND PROJECTED COST:**

Construction Year	2029	Inflation Rate: 3.76%
Projected Construction Cost	\$1,621,883	

#### PROPOSED FUNDING:

LOSED LOIADING.			r NOJECT SCHEDOLL.	
		_		Year
State/Federal	0%	\$0	Secure Funding	2027
Other	0%	\$0	Acquire ROW	2028
Impact Fees	100%	\$1,621,883	Compete Engineering	2028
-		-	Begin Construction	2029

**PROJECT SCHEDULE:** 

**REMARKS:** 

with Turnpike.

### TRANSPORTATION DISTRICT COST:

Western District	0%	\$0	Road to be built when site is developed
Eastern District	100%	\$1,621,883	adjacent to relocated road. Right-of-way
Southern Distict	0%	\$0	to be acquired through the land development
			process. Ownership of Turnpike Bridge to remain

Project Number   118	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	
New Signal (3-way)	\$150,000.00	Each	0	
Signal Modifications	\$20,000.00	Each	4	\$80,000.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				·
1.5" Pavement Overlay and Milling	\$7.00		0	,
New Pavement - Arterial Roads	\$46.00	Square Yard	0	7
New Pavement - Collector Roads	\$40.00	<b>.</b>	3600	\$144,000.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	,
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	
4" PBD	\$7.25	Linear Foot	1600	\$11,600.00
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
	\$12.00	Cubic Yaru	l U	J 50.00
Drainage Inlet/Manhole	\$2,400.00	Each	10	\$24,000.00
Pipe and Trenching	\$55.00	Linear Foot	1500	
Culvert	\$700.00	Linear Foot	1300	1
Pavement Markings	φ/00.00	Linearroot		φο.σσ
4" Pavement Markings	\$2.00	Linear Foot	3200	\$6,400.00
8" Pavement Markings	\$8.00	Linear Foot	0	
Miscellaneous	,,,,,,,	2,110011000	<u> </u>	70.00
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	2000	
Bituminous Wedge Curb	\$7.00	Linear Foot	0	<del></del>
Other Miscellaneous				
Post Mounted Signs	\$200.00	Each	10	\$2,000.00
ADA Upgrades	\$10,000.00	LS	1	\$10,000.00
***************************************		Cons	truction Subtotal:	\$430,500.00
Mobilization	5.0%		uction Total	\$21,525.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$21,525.00
Contingency	25.0%		uction Total	\$107,625.00
		Tota	l Construction:	\$581,175.00
Utility Relocation	1 60,000,001			I +0.00===
Utility Pole Relocation	\$3,300.00 \$2,000.00	Each	2	
Electric Service	\$2,000.00	Each	0	\$0.00 EXHIBIT "B" - continued \$0,00
Water/ Gas Valves Fire Hydrant Relocation	\$1,000.00	Each Each	1	\$1,000.00
High Tension Electric Poles	\$130,000.00	Each	0	
Sanitary Manhole	\$2,400.00	Each	0	
Street Lights	\$5,000.00	Project	11	\$55,000.00
Street Lights	1 95,000.00	rroject	Utility Subtotal:	\$62,600.00
Contingency	15.0%	Of Utilit	y Subtotal	\$9,390.00
,			ity Relocation:	\$71,990.00
Right-of-Way	•			
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)		Acres	0	\$0.00
Structures	\$180,000.00	Each	0	,
	7111		of-Way Subtotal:	
Contingency	15.0%		-Way Subtotal	\$0.00
			Right-of-Way:	
Engineering	11.5%		uction Total	\$66,835.13
Construction Inspection	8.0%		uction Total	\$46,494.00
Administration and Planning	1.5%		uction Total	\$8,717.63
	<u>Į</u>	Tota	al Project Cost:	\$775, <b>21</b> 1.75

PROJECT CODE: 122 TRANSPORTATION DISTRICT: Eastern/Southern District

#### LOCATION:

Muddy Creek Road (SR 1059) & Trost Road (T-953)

### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Project Deleted. Not feasible- PENNDOT will not permit installation of All-Way Stop Control

Install all-way stop control and channelize the eastbound right turn movement.

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	165,665
Utility Relocation	7,590
Right-of-Way	133,074
Engineering	19,051
Inspection	13,253
Admin & Planning	2,485
TOTAL	\$341,119

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$858.332	

### PROPOSED FUNDING:

### PROJECT SCHEDULE:

				Year
State/Federal	0%	\$0	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

			REMARKS:
Western District	0%	\$0	Candidte project. May turn into future signal
<b>Eastern District</b>	41%	\$0	project
Southern Distict	59%	ŚO	

Project Number 122	Done By: BDE		Checked: N	IJR
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement	. ,			
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	2667	\$122,682.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	200	\$1,450.00
Excavation	T			1
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage		·	·	44.44
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings			2001	4
4" Pavement Markings	\$2.00	Linear Foot	200	\$400.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous				40.00
Guide Rail	\$18.00	Linear Foot	0	\$0.00
Concrete Curb	\$35.00	Linear Foot	200	\$7,000.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous		F. I.		44.000.00
Post Mounted Signs	\$200.00	Each	5	\$1,000.00
		Cana	turation Cubtotal	\$0.00
Backilinasion	5.0%		truction Subtotal: uction Total	\$132,532.00
Mobilization  Maintenance and Protection of Traffic	5.0%		uction Total	\$6,626.60
	15.0%		uction Total	\$6,626.60 \$19,879.80
Contingency	13.0%		l Construction:	\$165,665.00
Utility Relocation	Ĺ	TOLA	CONSTRUCTION.	\$103,003,00
Utility Pole Relocation	\$3,300.00	Each	2	\$6,600.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0 🗈	\$0.00 KHIBIT "B" - continue \$0.00
Fire Hydrant Relocation	\$1,000.00	Each	0	\$0.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project		\$0.00
other	\$5,000.00	rioject	Utility Subtotal:	\$6,600.00
Contingency	15.0%	Of Litilit	y Subtotal	\$990.00
Contingency	15.070		ity Relocation:	\$7,590.00
Right-of-Way	Ŀ	. July Oth	er nerocation.	J1,J3U.UU
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0.551033058	\$66,123.97
Construction Easement (75% of ROW)	Ģ120,000.00	Acres	0.0000000	\$49,592.98
Structures	\$180,000.00	Each	0	\$0.00
an economic	1 9200,000.00		of-Way Subtotal:	\$115, <b>71</b> 6.94
Contingency	15.0%	<del></del>	Way Subtotal	\$113,710.54
Contingency	15.070		Right-of-Way:	\$133,074.48
Engineering	11.5%		uction Total	
Engineering Construction Inspection	8.0%		uction Total	\$19,051.48 \$13,253.20
•	1.5%		uction Total	
Administration and Planning	1.5%			\$2,484.98
	L	101	al Project Cost:	\$341,119.13

PROJECT CODE: \$22

TRANSPORTATION DISTRICT:

Eastern/Southern District

### LOCATION:

Colonel George Howard Boulevard (SR 1040)

### **DEFICIENCY:**

The current roadway segment is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Construct additional 3rd thru lanes (triple thrus in each direction between Route 272 and the first Route 222 ramp). Tie into SR 222 Interchange work (107 and 108).

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	1,953,659
Utility Relocation	26,795
Right-of-Way	0
Engineering	224,671
Inspection	156,293
Admin & Planning	29,305
TOTAL	\$2,390,723

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2027	Inflation Rate: 3.76%
Projected Construction Cost	\$4,645,886	

#### PROPOSED FUNDING:

				Year
State/Federal	80%	\$3,716,709	Secure Funding	2025
Other	0%	\$0	Acquire ROW	2026
Impact Fees	20%	\$929,177	Compete Engineering	2026
			Begin Construction	2027

PROJECT SCHEDULE:

### TRANSPORTATION DISTRICT COST:

			<b>REMARKS:</b>	
Western District	0%	\$0		
<b>Eastern District</b>	41%	\$380,963		
Southern Distict	59%	\$548,215		

Project Number S22	Done By: BDE		Checked:	MJR
Description	Cost	Unit	Quantity	Total
onstruction Items				
raffic Signals				
New Signal (4-way)	\$200,000.00	Each	3	\$600,000.0
New Signal (3-way)	\$150,000.00	Each	0	\$0.0
Signal Modifications	\$20,000.00	Each	0	\$0.0
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.0
avement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.0
New Pavement - Arterial Roads	\$75.00	Square Yard	6667	\$500,025.
New Pavement - Collector Roads- Shoulder	\$40.00	Square Yard	6667	\$266,680.
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.0
4" PBD	\$7.25	Linear Foot	5000	\$36,250.0
xcavation	<u> </u>			
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.0
rainage	<u> </u>			
Inlet/Manhole	\$2,400.00	Each	3	\$7,200.
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.0
Culvert	\$700.00	Linear Foot	0	
avement Markings				T 11.
4" Pavement Markings	\$2.00	Linear Foot	10000	\$20,000.
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.0
/iscellaneous	1	unical root		301
Guide Rail	\$18.00	Linear Foot	200	\$3,600.
Concrete Curb	\$35.00	Linear Foot	200	\$7,000.
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.0
ther Miscellaneous	\$7.00	Lillear 1 OUC	V	,JU,1
Post Mounted Signs	\$200.00	Each	32	\$6,400.0
r ost Modifica Signs	9200.00	Lacii	32	\$0,400.1
		Cons	l truction Subtotal:	\$1,447,155.0
10bilization	5.0%		uction Total	\$72,357.
Naintenance and Protection of Traffic	5.0%		uction Total	\$72,357. \$72,357.
	25.0%		uction Total	\$361,788.
contingency	23.078		l Construction:	\$1,953,659.2
Itility Relocation	L	IUta	i construction:	\$1,955,059.2
Utility Pole Relocation	\$3,300.00	Each	1	ຕາ ກຸດດ ເ
Electric Service	\$2,000.00	··-··	0	\$3,300.0 \$0.0
Water/ Gas Valves	\$250.00	Each		· · · · · · · · · · · · · · · · · · ·
Fire Hydrant Relocation	\$1,000.00	Each	0	EXHIBIT "B" - continu
		Each	0	\$0.0
High Tension Electric Poles	\$130,000.00	Each	0	\$0.0
Sanitary Manhole	\$2,400.00	Each	0	\$0.0
Street Lights	\$5,000.00	Project	4	\$20,000.0
			Utility Subtotal:	\$23,300.0
ontingency	15.0%		y Subtotal	\$3,495.0
	L	Total Util	ity Relocation:	\$26,795.0
light-of-Way	4			
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.0
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.
Construction Easement (75% of ROW)		Acres	0	\$0.
Structures	\$180,000.00	Each	0	\$0.0
		Right	of-Way Subtotal:	\$0.
ontingency	15.0%	Of Right-of-	Way Subtotal	\$0.
			Right-of-Way:	\$0.0
ngineering	11.5%	Of Constr	uction Total	\$224,670.8
ngineering Construction Inspection	11.5% 8.0%		uction Total uction Total	
ngineering Construction Inspection Administration and Planning		Of Constr		\$224,670.8 \$156,292. \$29,304.8

PROJECT CODE: 123 TRANSPORTATION DISTRICT: Eastern District

### LOCATION:

Muddy Creek Road (SR 1059) & Stone Hill Road (T-862)

### **DEFICIENCY:**

The current intersection is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Install all-way stop control.

## **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	1,000
Utility Relocation	0
Right-of-Way	0
Engineering	115
Inspection	80
Admin & Planning	15
TOTAL	\$1,210

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$3,045	

#### PROPOSED FUNDING:

PROJECT SO	CHEDULE:
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				rear
State/Federal	5 <b>0</b> %	\$1,522	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	<b>50</b> %	\$1,522	Compete Engineering	2033
-			Begin Construction	2034

### TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	100%	\$1,522
Southern Distict	0%	\$0

REMARKS:

Project Number 123	Done By: BDE		Checked: MJ	
Description	Cost	Unit	Quantity	Total
Construction Items				
raffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.0
New Signal (3-way)	\$150,000.00	Each	0	\$0.0
Signal Modifications	\$20,000.00	Each	0	\$0.0
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.0
avement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.0
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.0
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.0
New Pavement - Local Residential Roads	\$29.00	Square Yard	0]	\$0.0
4" PBD	\$7.25	Linear Foot	0	\$0.0
xcavation				
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.0
)rainage			•	
Inlet/Manhole	\$2,400.00	Each	ol	\$0.0
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.0
Culvert	\$700.00	Linear Foot	0	\$0.0
Pavement Markings	, - /		-1	701
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.0
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.0
Miscellaneous	1 +0.001	zmedi i ooc	<u> </u>	70.0
Guide Rail	\$18.00	Linear Foot	ol	\$0.0
Concrete Curb	\$35.00	Linear Foot	0	\$0.0
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.0
Other Miscellaneous	77.00	Lincal Loot		70.0
Post Mounted Signs	\$200.00	Each	4	\$800.0
1 Ost Wounted Signs	7200.001	Lacii	4	\$0.0
1141 - 1144 - 114		Cons	truction Subtotal:	\$800.0
Mobilization	5.0%		uction Total	<del>5800.0</del> \$40.0
Violantenance and Protection of Traffic	5.0%		uction Total	\$40.0 \$40.0
Contingency	15.0%		uction Total	\$120.0
contingency	13.076		Construction:	\$1,000.0
Jtility Relocation	L	TULA	Construction.	\$1,000.0
			EXHIB	BIT "B" - continued
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PROJECT CODE: S28 TRANSPORTATION DISTRICT: Southern District

### LOCATION:

Church Street (SR 1051), between Route 272 & Red Run Road (SR 1044)

### **DEFICIENCY:**

The current roadway segment is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Widen to 11' lanes with 4' shoulders.

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	204,725
Utility Relocation	166,635
Right-of-Way	0
Engineering	23,543
Inspection	16,378
Admin & Planning	3,071
TOTAL	\$414,352

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$1,042,603	

PROJECT SCHEDULE:

**REMARKS:** 

#### PROPOSED FUNDING:

State/Federal	100%	\$1,042,603	Secure Funding	
Other	0%	\$0	Acquire ROW	
Impact Fees	0%	\$0	Compete Engineering	
			Begin Construction	

#### TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	0%	\$0
Southern Distict	100%	\$0

# EXHIBIT "B" - continued

Project Number \$28	Done By: BDE	Checked: MJR  Unit Quantity Total		MJR
Description	Cost			Total
Construction Items				***
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	0	\$0.00
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	0	\$0.00
New Pavement - Collector Roads	\$40.00	Square Yard	2222	\$88,880.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	0	\$0.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	10000	\$72,500.00
Excavation (Borrow)	\$12.00	Cubin Vaud		
	\$12.00	Cubic Yard	0	\$0.00
Drainage Inlet/Manhole	\$2,400.00	Each	0	<u> </u>
Pipe and Trenching	\$2,400.00	Each Linear Foot	0	\$0.00 \$0.00
Culvert	\$700.00		0	
Pavement Markings	3/00.00	Linear Foot	l U	\$0.00
4" Pavement Markings	\$2.00	Linear Foot	0	\$0.00
8" Pavement Markings	\$8.00	Linear Foot	0	\$0.00
Miscellaneous	20,00	Linear FOOL	]U	J0.00
Guide Rail	\$18.00	Linear Foot	T 0	\$0.00
Concrete Curb	\$35.00	Linear Foot	0	\$0.00
Bituminous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	\$7,000	Linear 100t		J0,00
Post Mounted Signs	\$200.00	Each	12	\$2,400.00
	7-00:00	Lucii		\$0.00
		Cons	truction Subtotal:	\$163,780.00
Mobilization	5.0%		uction Total	\$8,189.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$8,189.00
Contingency	15.0%		uction Total	\$24,567.00
- '		Tota	l Construction:	\$204,725.00
Utility Relocation	•			
Utility Pole Relocation	\$3,300.00	Each	43	\$141,900.00
Electric Service	\$2,000.00	Each	0	\$0.00
Water/ Gas Valves	\$250.00	Each	0	EXHIBIT "B" - continued\$0.00
Fire Hydrant Relocation	\$1,000.00	Each	3	\$3,000.00
High Tension Electric Poles	\$130,000.00	Each	0	\$0.00
Sanitary Manhole	\$2,400.00	Each	0	\$0.00
Other	\$5,000.00	Project	0	\$0.00
			Utility Subtotal:	\$144,900.00
Contingency	15.0%		y Subtotal	\$21,735.00
	L	Total Util	ity Relocation:	\$166,635.00
Right-of-Way				
Right-of-Way - Urban	\$150,000.00	Acres	0	\$0.00
Right-of-Way - Rural	\$120,000.00	Acres	0	\$0.00
Construction Easement (75% of ROW)	0400.000.00	Acres	0	\$0.00
Structures	\$180,000.00	Each	0	\$0.00
Continuo	45.04		of-Way Subtotal:	\$0.00
Contingency	15.0%		Way Subtotal	\$0.00
Paralla contra			Right-of-Way:	\$0.00
Engineering	11.5%		uction Total	\$23,543.38
Construction Inspection	8.0%			\$16,378.00
Administration and Planning			\$3,070.88	
	L	lota	al Project Cost:	\$414,352.25

PROJECT CODE: 130 TRANSPORTATION DISTRICT: Western/Southern District

### LOCATION:

Route 272 & Denver Road (T-90)

#### **DEFICIENCY:**

The current intersection geometry is deficient with 2034 projected traffic volumes.

#### PROPOSED IMPROVEMENTS:

Construct a new eastbound approach with dual left turn lanes and a shared right turn lane. Install a traffic signal. Construct a northbound left turn lane.

### **ESTIMATED COST SUMMARY:**

(Current Year 2010 Dollars)

Construction	313,400
Utility Relocation	4,945
Right-of-Way	35,477
Engineering	36,041
Inspection	25,072
Admin & Planning	4,701
TOTAL	\$419,636

#### CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2034	Inflation Rate: 3.76%
Projected Construction Cost	\$1,055,896	

#### PROPOSED FUNDING:

#### PROJECT SCHEDULE:

**REMARKS:** 

				Year
State/Federal	0%	\$0	Secure Funding	2032
Other	0%	\$0	Acquire ROW	2033
Impact Fees	0%	\$0	Compete Engineering	2033
			Begin Construction	2034

## TRANSPORTATION DISTRICT COST:

Western District	0%	\$0
Eastern District	0%	\$0
Southern Distict	0%	\$0

Project Number 130	Done By: BDE		Checked: MJR	
Description	Cost	Unit	Quantity	Total
Construction Items				
Traffic Signals				
New Signal (4-way)	\$200,000.00	Each	1	, ,
New Signal (3-way)	\$150,000.00	Each	0	\$0.00
Signal Modifications	\$20,000.00	Each	0	\$0.00
Emergency Vehicle Preemption Only	\$10,000.00	Each	0	\$0.00
Pavement				
1.5" Pavement Overlay and Milling	\$7.00	Square Yard	0	\$0.00
New Pavement - Arterial Roads	\$46.00	Square Yard	533	\$24,518.00
New Pavement - Collector Roads	\$40.00	Square Yard	0	\$0.00
New Pavement - Local Commercial Roads	\$34.00	Square Yard	178	\$6,052.00
New Pavement - Local Residential Roads	\$29.00	Square Yard	0	\$0.00
4" PBD	\$7.25	Linear Foot	1400	
Excavation	,			,
Excavation (Borrow)	\$12.00	Cubic Yard	0	\$0.00
Drainage		Cable fara	<u> </u>	70.00
Inlet/Manhole	\$2,400.00	Each	0	\$0.00
Pipe and Trenching	\$55.00	Linear Foot	0	\$0.00
Culvert	\$700.00	Linear Foot	0	\$0.00
Pavement Markings	\$700.00	Lilleal FOOt		\$0.00
4" Pavement Markings	\$2.00	Linear Foot	5000	¢10,000,00
8" Pavement Markings	\$8.00	Linear Foot Linear Foot	3000	
Miscellaneous	30,00	Linear FOOL	U	\$0.00
Guide Rail	¢40.00l	I to a second second		<u> </u>
	\$18.00	Linear Foot	0	
Concrete Curb	\$35.00	Linear Foot	0	
Bitumínous Wedge Curb	\$7.00	Linear Foot	0	\$0.00
Other Miscellaneous	4000 001	<del> </del>	_	1
Post Mounted Signs	\$200.00	Each	0	,
				\$0.00
			truction Subtotal:	\$250,720.00
Mobilization	5.0%		uction Total	\$12,536.00
Maintenance and Protection of Traffic	5.0%		uction Total	\$12,536.00
Contingency	15.0%	Of Construction Total		\$37,608.00
Hatter B. L. and J.	L	<u>Tota</u>	I Construction:	\$313,400.00
Utility Relocation	ća 200 00	I		A 200 00
Utility Pole Relocation	\$3,300.00	Each	1	\$3,300.00
Electric Service	\$2,000.00	Each	0	70.00
Water/ Gas Valves	\$250.00	Each		EXHIBIT "B" - continued \$0,00
Fire Hydrant Relocation	\$1,000.00	Each	1	\$1,000.00
High Tension Electric Poles				
Sanitary Manhole	\$130,000.00	Each	0	
IO+hor	\$2,400.00	Each Each	0	\$0.00
Other		Each	0 0	\$0.00 \$0.00
	\$2,400.00 \$5,000.00	Each Each ProJect	0 Utility Subtotal:	\$0.00 \$0.00 \$4,300.00
	\$2,400.00	Each Each Project Of Utilit	0 <b>Utility Subtotal:</b> y Subtotal	\$0.00 \$0.00 \$4,300.00 \$645.00
Contingency	\$2,400.00 \$5,000.00	Each Each Project Of Utilit	0 Utility Subtotal:	\$0.00 \$0.00 \$4,300.00 \$645.00
Contingency Right-of-Way	\$2,400.00 \$5,000.00 15.0%	Each Each Project Of Utilit <b>Total Uti</b> l	0 Utility Subtotal: y Subtotal ity Relocation:	\$0.00 \$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00
Contingency  Right-of-Way  Right-of-Way - Urban	\$2,400.00 \$5,000.00 15.0% \$150,000.00	Each Each Profect  Of Utilit Total Util Acres	0 Utility Subtotal: y Subtotal ity Relocation:	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural	\$2,400.00 \$5,000.00 15.0%	Each Each Profect  Of Utilit Total Util  Acres Acres	0 Utility Subtotal: y Subtotal ity Relocation: 0 0.146900826	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$0.00 \$17,628.10
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Acres	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$0.00 \$17,628.10 \$13,221.07
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural	\$2,400.00 \$5,000.00 15.0% \$150,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 0	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00 \$180,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 0-of-Way Subtotal:	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)  Structures	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right Of Right-of-	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 0 of-Way Subtotal: Way Subtotal	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17 \$4,627.38
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)  Structures	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00 \$180,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right Of Right-of-	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 0-of-Way Subtotal:	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17 \$4,627.38
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00 \$180,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right Of Right-of- Total	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 0 of-Way Subtotal: Way Subtotal	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17 \$4,627.38 \$35,476.55
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)  Structures  Contingency	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00 \$180,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right Of Right-of- Total Of Constr	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 -of-Way Subtotal: Way Subtotal Right-of-Way:	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17 \$4,627.38 \$35,476.55 \$36,041.00
Contingency  Right-of-Way  Right-of-Way - Urban  Right-of-Way - Rural  Construction Easement (75% of ROW)  Structures  Contingency  Engineering	\$2,400.00 \$5,000.00 15.0% \$150,000.00 \$120,000.00 \$180,000.00	Each Each Project  Of Utilit Total Util  Acres Acres Acres Each Right Of Right-of- Total Of Constr	0 Utility Subtotal: y Subtotal ity Relocation:  0 0.146900826 0 -of-Way Subtotal: Way Subtotal Right-of-Way: uction Total	\$0.00 \$0.00 \$4,300.00 \$645.00 \$4,945.00 \$17,628.10 \$13,221.07 \$0.00 \$30,849.17 \$4,627.38 \$35,476.55