

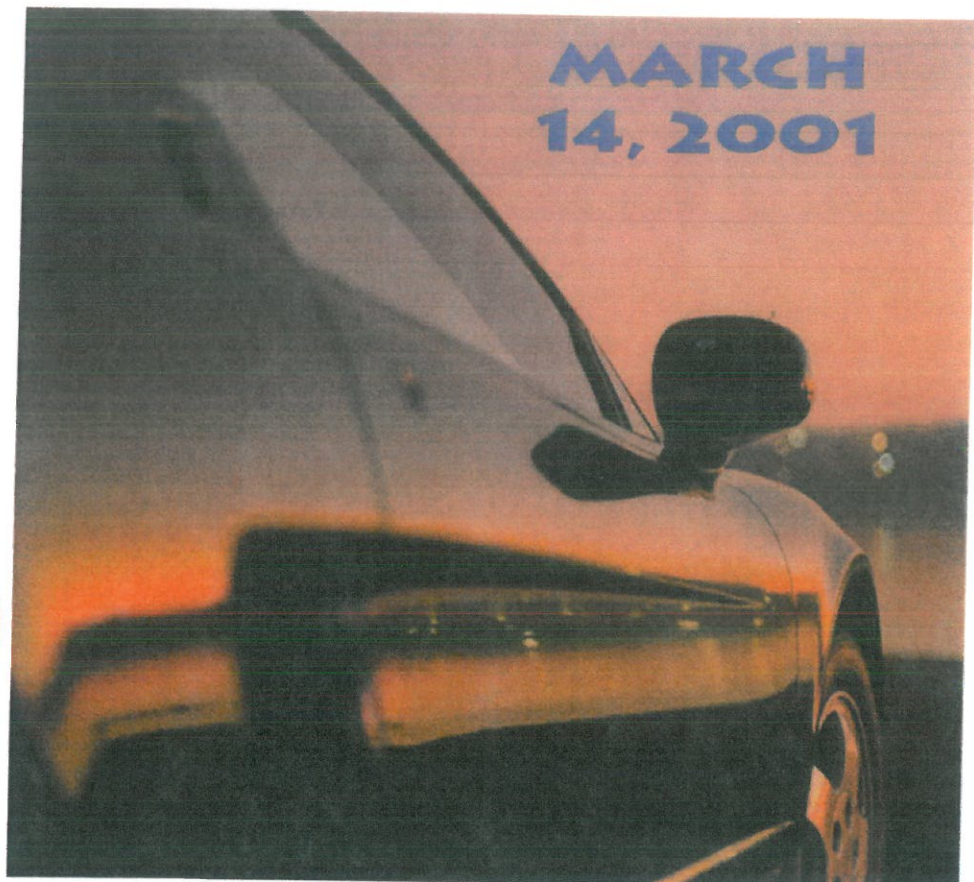
CRANBERRY TOWNSHIP

● Together Toward Tomorrow ●

TRANSPORTATION IMPACT FEE UPDATE

HRG
Herbert, Rowland & Grubic, Inc.
Engineering & Related Services

**MARCH
14, 2001**



PART 3

**TRANSPORTATION
CAPITAL
IMPROVEMENTS
PLAN**

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-30

PROJECT NUMBER: P63

LOCATION:

Freedom Road (SR 3020) from New Sewickly Township to Haine School Road.

TRANSPORTATION DISTRICT: West

DEFICIENCY:

An additional travel lane should be added in each direction along Freedom Road east of Powell Road.

PROPOSED IMPROVEMENTS:

Widen to four-lane Minor Arterial from Powell to Haines School Road.

ESTIMATED COST SUMMARY:
(Current Year 2001 Dollars)

Construction	3,249,597
Utility Relocation	60,100
Right-of Way	552,000
Engineering	324,960
Inspection	259,968
Admin & Planning	48,744
TOTAL	\$4,495,369

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 57%*

*New Development Traffic /
Anticipated Traffic Growth = 43%*

COST ATTRIBUTABLE TO:

New Pass Thru Trips	\$46,418,190
New Development Trips	\$35,017,231

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2099
Projected Construction Cost	\$81,435,420

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	0%	\$0
Other	0%	\$0
Impact Fees	0%	\$0

Secure Funding	Year
Acquire ROW	2096
Complete Engineering	2097
Begin Construction	2098
	2099

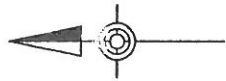
Transportation District Cost:

West District \$0

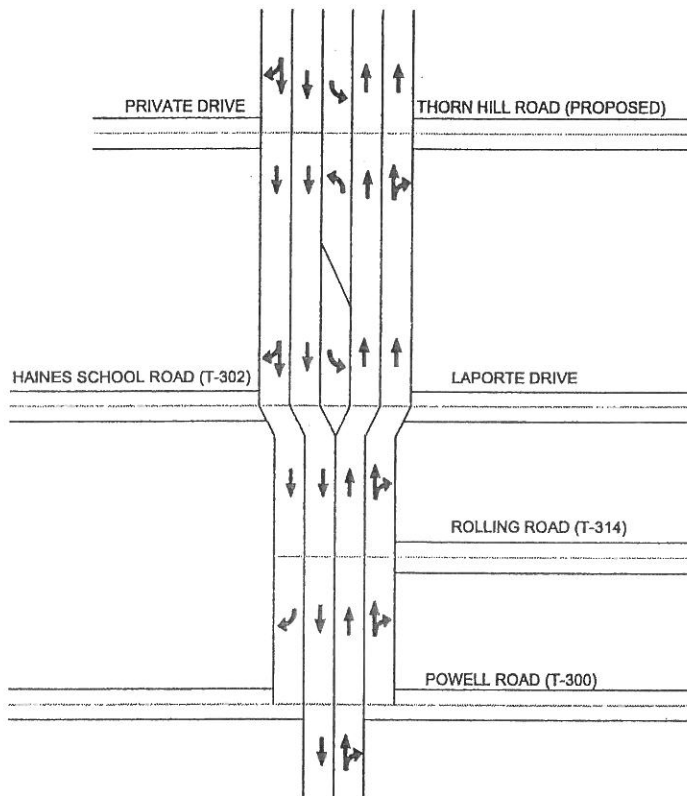
East District \$0

REMARKS:

See Capital Improvements Drawing S-30 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.



S-30



FREEDOM ROAD (SR 3020)

CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-30
FREEDOM ROAD
PROJECT P63

SHEET:	OF:	DATE:
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Engineering & Related Services

CRANBERRY TOWNSHIP
Together Toward Tomorrow
2525 Rochester Road, Suite 400
Cranberry Township, PA 16006-6499

DESIGN	DSM
DRAWN	DSM
SCALE	NTS
PROJECT	1261.134

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-31

PROJECT NUMBER: P64A

LOCATION:

Freedom Road (SR 3020) from Haine School Road to Commonwealth Drive.

TRANSPORTATION DISTRICT:

West

DEFICIENCY:

At additional travel lane should be added in each direction along Freedom Road.

PROPOSED IMPROVEMENTS:

Widen to four-lane Minor Arterial with left-turn lanes.

ESTIMATED COST SUMMARY:
(Current Year 2001 Dollars)

Construction	2,339,261
Utility Relocation	48,200
Right-of Way	525,000
Engineering	233,926
Inspection	187,141
Admin & Planning	35,089
TOTAL	\$3,368,617

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 24%*

*New Development Traffic /
Anticipated Traffic Growth = 76%*

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2099
Projected Construction Cost	\$61,023,863

New Pass Thru Trips	\$14,645,727
New Development Trips	\$46,378,136

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	0%	\$0
Other	0%	\$0
Impact Fees	0%	\$0

Secure Funding	Year
Acquire ROW	2096
Complete Engineering	2097
Begin Construction	2098
	2099

Transportation District Cost:

West District	\$0
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East District	\$0
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REMARKS:

See Capital Improvements Drawing S-31 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.



Impact Fee Program: Transportation Capital Improvements Plan Update

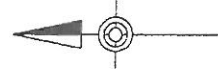


DELTA DEVELOPMENT GROUP
INC.

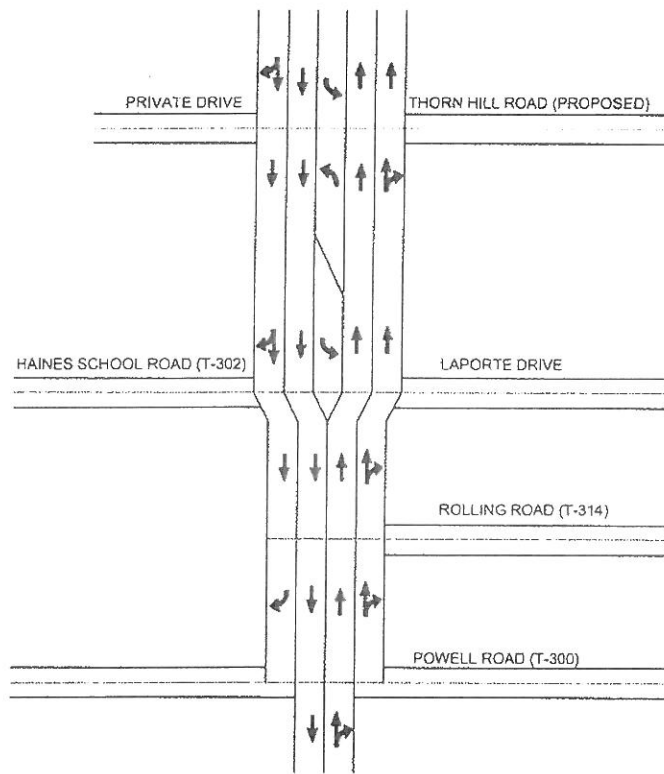
June 2007

HRG

Herbert, Rowland & Grubic, Inc.
Engineering & Related Services



S-30



FREEDOM ROAD (SR 3020)

CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-30
FREEDOM ROAD
PROJECT P63

SHEET:

1

OF:

1

DATE:

06/06/07

HRG
Herbert, Rowland & Grubic, Inc.
Engineering & Related Services



DESIGN
DSM

DRAWN
DSM

SCALE
NTS

PROJECT
1261.259

**TRANSPORTATION CAPITAL IMPROVEMENTS FOR
CRANBERRY TOWNSHIP
PROJECT SUMMARY SHEET**

SEGMENT NUMBER: S-31

PROJECT NUMBER: P64A

LOCATION:

Freedom Road (SR 3020) from Haine School Road to Commonwealth Drive.

TRANSPORTATION DISTRICT: West

DEFICIENCY:

At additional travel lane should be added in each direction along Freedom Road.

PROPOSED IMPROVEMENTS:

Widen to four-lane Minor Arterial with left-turn lanes.

**ESTIMATED COST SUMMARY:
(Current Year 2007 Dollars)**

Construction	2,775,863
Utility Relocation	53,900
Right-of Way	630,000
Engineering	277,586
Inspection	222,069
Admin & Planning	53,713
TOTAL	\$4,013,131

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 24%*

*New Development Traffic /
Anticipated Traffic Growth = 76%*

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2099
Projected Construction Cost	\$55,222,815
Projected Soft Cost	\$8,832,557
Projected Total Cost	\$64,055,372

New Pass Thru Trips	\$15,373,289
New Development Trips	\$48,682,083

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	0%	\$0
Other	0%	\$0
Impact Fees	0%	\$0

Secure Funding	Year
Acquire ROW	2096
Complete Engineering	2097
Begin Construction	2098
	2099

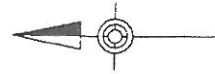
Transportation District Cost:

West District	\$0
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East District	\$0
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REMARKS:

See Capital Improvements Drawing S-31 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.

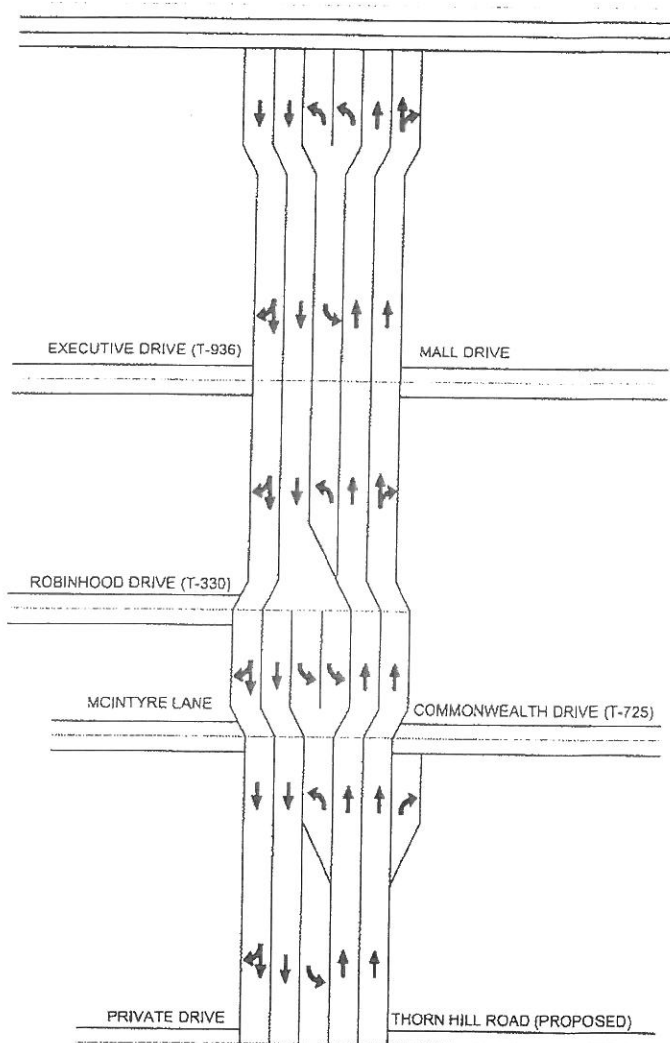


S-33

S-32

S-31

ROUTE 19 (SR 0019)



FREEDOM ROAD (SR 3020)

CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-31,32,33
ROWAN ROAD
PROJECTS P64A, 64B, AND 64C

SHEET:

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OF:

1

DATE:

06/06/07

HRG
Herbert, Rowland & Grubic, Inc.
Engineering & Related Services


CRANBERRY
• TOWNSHIP •

DESIGN
DSM

DRAWN
DSM

SCALE
NTS

PROJECT
1261.259

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-32

PROJECT NUMBER: P64B

LOCATION:

Freedom Road (SR 3020) from Commonwealth Dr to Turnpike Bridge.

TRANSPORTATION DISTRICT: West

DEFICIENCY:

At additional travel lane should be added in each direction along Freedom Road.

PROPOSED IMPROVEMENTS:

Widen to four-lane Minor Arterial with left-turn lanes.

ESTIMATED COST SUMMARY:
(Current Year 2007 Dollars)

Construction	511,324
Utility Relocation	6,600
Right-of Way	165,000
Engineering	51,132
Inspection	40,906
Admin & Planning	9,894
TOTAL	\$784,857

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 32%*

*New Development Traffic /
Anticipated Traffic Growth = 68%*

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2099
Projected Construction Cost	\$10,900,458
Projected Soft Cost	\$1,626,990
Projected Total Cost	\$12,527,448

New Pass Thru Trips	\$4,008,783
New Development Trips	\$8,518,665

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	0%	\$0
Other	0%	\$0
Impact Fees	0%	\$0

Secure Funding	Year
Acquire ROW	2096
Complete Engineering	2097
Begin Construction	2098
	2099

Transportation District Cost:

West District	\$0	East District	\$0
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REMARKS:

See Capital Improvements Drawing S-32 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.



TRANSPORTATION
Impact Fee Program 2015

Capital Improvements Plan
March 2015 Update

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-30

PROJECT NUMBER: S-30B

LOCATION:

Freedom Road (SR 3020) from New Sewickly Township to Haine School Road.

TRANSPORTATION DISTRICT: West

DEFICIENCY:

Signal timing needs to adapt to traffic demands.

PROPOSED IMPROVEMENTS:

Adaptive Control System.

ESTIMATED COST SUMMARY:
(Current Year 2015 Dollars)

Construction	65,500
Utility Relocation	0
Right-of Way	0
Engineering	0
Inspection	0
Admin & Planning	0
TOTAL	\$65,500

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 39%*

*New Development Traffic /
Anticipated Traffic Growth = 61%*

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2018
Projected Construction Cost	\$71,574
Projected Soft Cost	\$0
Projected Total Cost	\$71,574

New Pass Thru Trips	\$27,796
New Development Trips	\$43,778

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	0%	\$0
Other	50%	\$35,787
Impact Fees	50%	\$35,787

Secure Funding
Acquire ROW
Complete Engineering
Begin Construction

Year
2015
2016
2017
2018

Transportation District Cost:

West District	\$35,787
East District	\$0
Southeast District	\$0

REMARKS:

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-31

PROJECT NUMBER: S-31A

LOCATION:

Freedom Road (SR 3020) from Haine School Road to Commonwealth Drive.

TRANSPORTATION DISTRICT: West

DEFICIENCY:

At additional travel lane should be added in each direction along Freedom Road.

PROPOSED IMPROVEMENTS:

Widen to four-lane Minor Arterial with left-turn lanes.

ESTIMATED COST SUMMARY:
(Current Year 2015 Dollars)

Construction	7,771,800
Utility Relocation	81,000
Right-of Way	1,900,000
Engineering	932,616
Inspection	777,180
Admin & Planning	116,577
TOTAL	\$11,579,173

**PROPORTIONAL SPLIT OF FUTURE
PEAK HOUR TRAFFIC VOLUMES:**

*New Pass Thru Traffic /
Anticipated Traffic Growth = 27%*

*New Development Traffic /
Anticipated Traffic Growth = 73%*

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

Construction Year	2025
Projected Construction Cost	\$13,106,948
Projected Soft Cost	\$2,454,493
Projected Total Cost	\$15,561,440

New Pass Thru Trips	\$4,263,068
New Development Trips	\$11,298,372

PROJECT SCHEDULE:

PROPOSED FUNDING:

State/Federal	27%	\$4,201,589
Other	63%	\$9,803,707
Impact Fees	10%	\$1,556,144

Secure Funding	Year
Acquire ROW	2022
Complete Engineering	2023
Begin Construction	2024
	2025

Transportation District Cost:

West District	\$1,556,144
East District	\$0
Southeast District	\$0

REMARKS: