

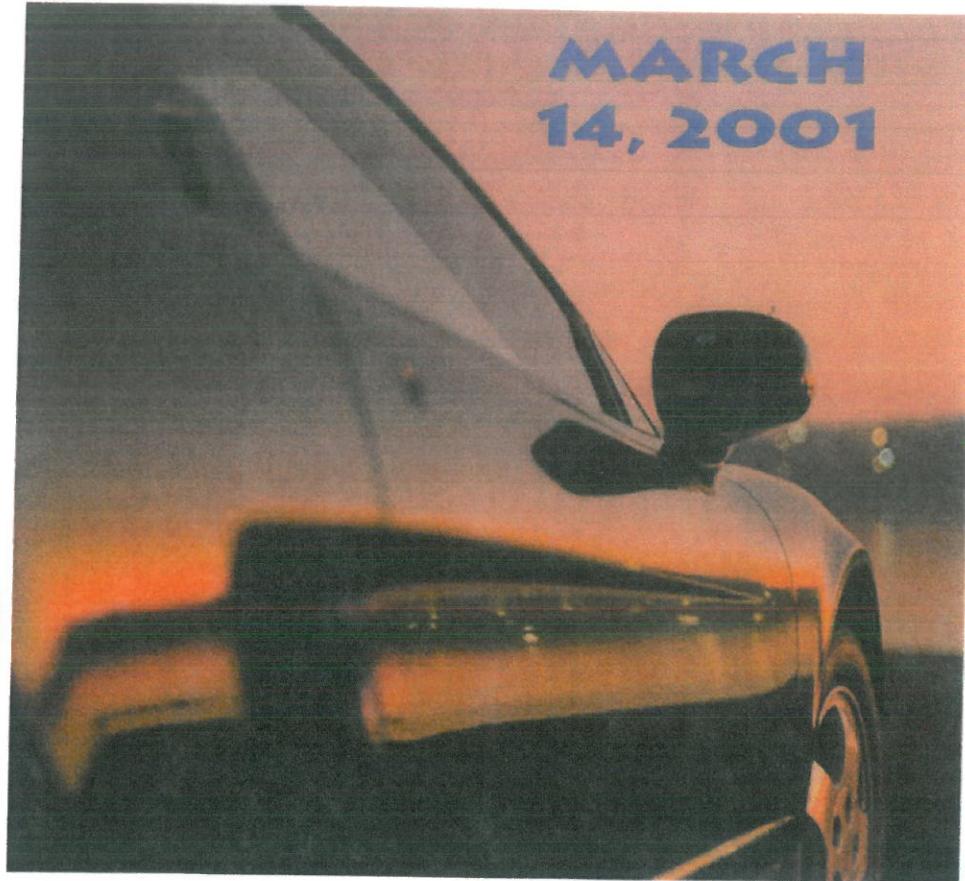
CRANBERRY TOWNSHIP

● Together Toward Tomorrow ●

TRANSPORTATION IMPACT FEE UPDATE

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

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:**

<i>New Pass Thru Traffic /</i>
<i>Anticipated Traffic Growth = 57%</i>
<i>New Development Traffic /</i>
<i>Anticipated Traffic Growth = 43%</i>

COST ATTRIBUTABLE TO:

CONSTRUCTION YEAR AND PROJECTED COST:

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

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

PROJECT SCHEDULE:

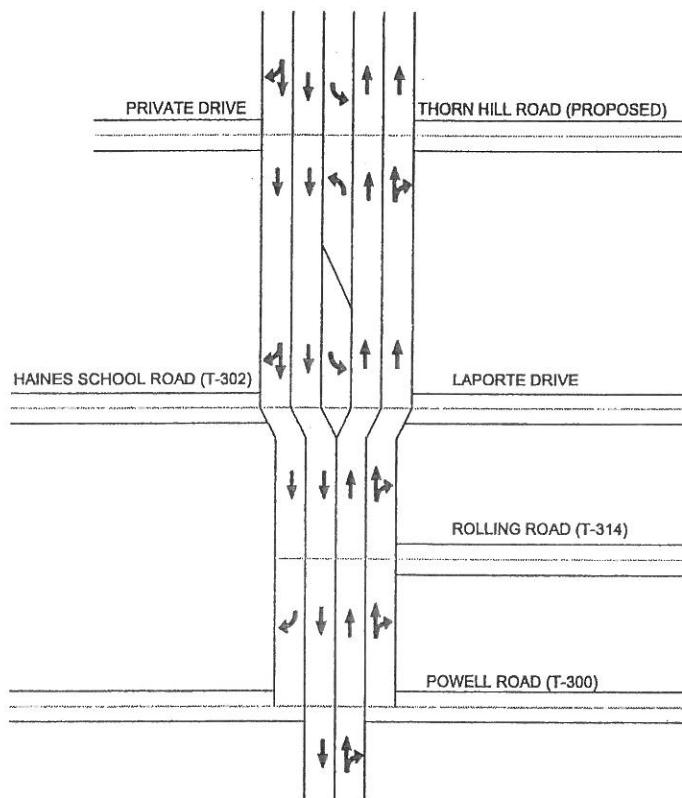
PROPOSED FUNDING:

			Year
State/Federal	0%	\$0	2096
Other	0%	\$0	2097
Impact Fees	0%	\$0	2098
			2099
Transportation District Cost:			
West District		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

1 OF: 1 DATE: 03/07/01

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

Together Toward Tomorrow
2525 Rochester Road, Suite 400
Cranberry Township, PA 16068-6499

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:**

<i>New Pass Thru Traffic /</i>
<i>Anticipated Traffic Growth = 24%</i>
<i>New Development Traffic /</i>
<i>Anticipated Traffic Growth = 76%</i>

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

PROPOSED FUNDING:

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

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

Transportation District Cost:

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

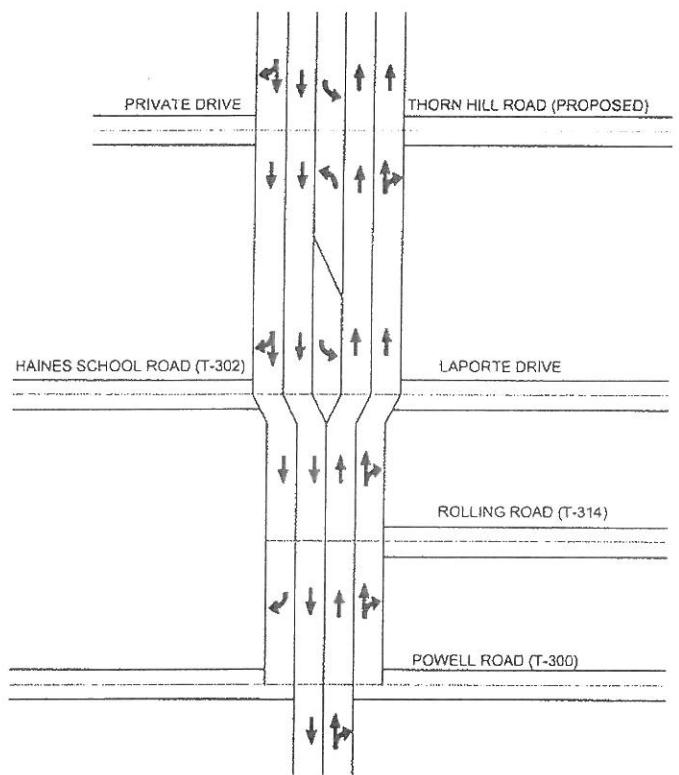
See Capital Improvements Drawing S-31 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.



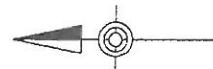
Impact Fee Program: Transportation Capital Improvements Plan Update



S-30



FREEDOM ROAD (SR 3020)



CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-30
FREEDOM ROAD
PROJECT P63

1 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-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:**

<i>New Pass Thru Traffic /</i>	<i>Anticipated Traffic Growth = 24%</i>
<i>New Development Traffic /</i>	<i>Anticipated Traffic Growth = 76%</i>

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

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

Transportation District Cost:

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

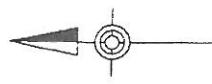
See Capital Improvements Drawing S-31 for a proposed lane arrangement diagram. Widen to PennDOT Design Criteria for a 4-lane Minor Arterial.

S-33

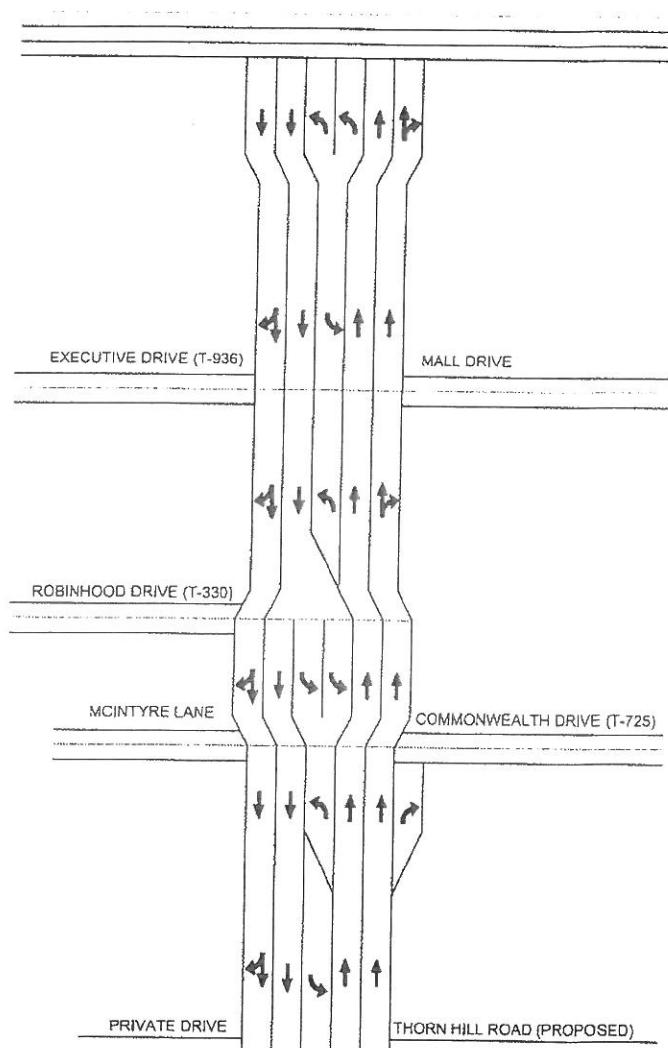
S-32

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: 1 OF: 1 DATE: 06/06/07

HRG
Herbert, Rowland & Grubie, 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:**

<i>New Pass Thru Traffic /</i>
<i>Anticipated Traffic Growth = 32%</i>
<i>New Development Traffic /</i>
<i>Anticipated Traffic Growth = 68%</i>

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

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

CONSTRUCTION YEAR AND PROJECTED COST:

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

PROPOSED FUNDING:

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

Transportation District Cost:

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

REMARKS:

**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:

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

PROJECT SCHEDULE:

	Year
Secure Funding	2015
Acquire ROW	2016
Complete Engineering	2017
Begin Construction	2018

**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:**

<i>New Pass Thru Traffic /</i>
<i>Anticipated Traffic Growth = 27%</i>
<i>New Development Traffic /</i>
<i>Anticipated Traffic Growth = 73%</i>

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

COST ATTRIBUTABLE TO:

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

PROJECT SCHEDULE:

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

PROPOSED FUNDING:

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

Transportation District Cost:

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

REMARKS: