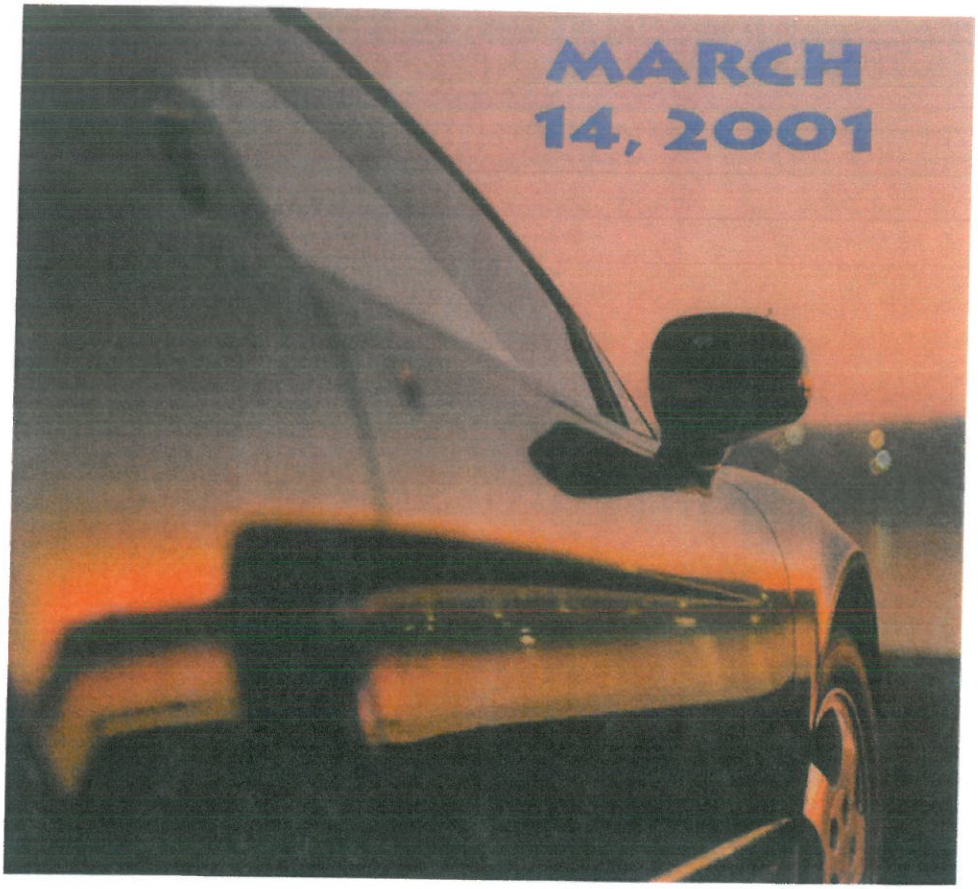
CRANBERRY TOWNSHIP

Together Toward Tomorrow

TRANSPORTATION IMPACT FEE UPDATE

HRG
Herbert, Rowland & Grubic, 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:

New Pass Thru Traffic / Anticipated Traffic Growth = 57%

New Development Traffic / Anticipated Traffic Growth = 43%

CONSTRUCTION YEAR AND PROJECTED COST:

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

COST ATTRIBUTABLE TO:

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

PROPOSED FUNDING:

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

PROJECT SCHEDULE:

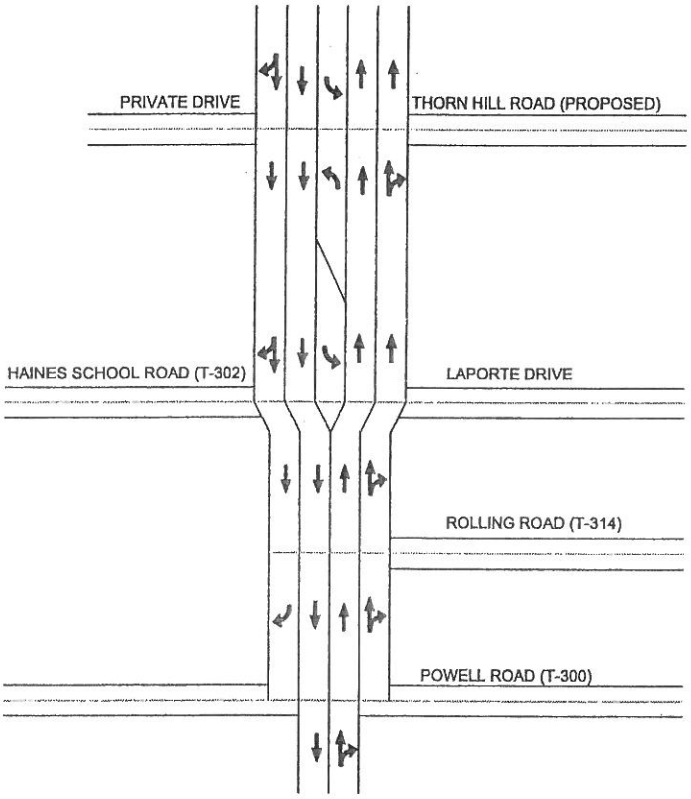
	Year
Secure Funding	2096
Acquire ROW	2097
Complete Engineering	2098
Begin Construction	2099

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



CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-30
FREEDOM ROAD
PROJECT P63

SHEET:	OF:	DATE:
1	1	03/07/01

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Engineering & Related Services

CRANBERRY TOWNSHIP
Together Toward Tomorrow
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499

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: **TRANSPORTATION DISTRICT:** West

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

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

CONSTRUCTION YEAR AND PROJECTED COST:

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

PROPOSED FUNDING:

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

Transportation District Cost:

West District	$0

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:

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

PROJECT SCHEDULE:

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

East District	$0

REMARKS:

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

CRANBERRY
TOWNSHIP

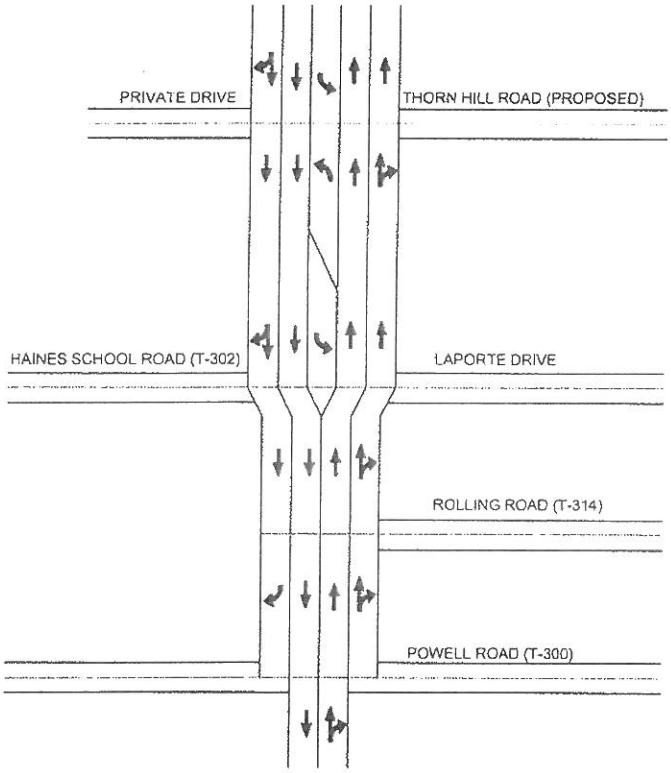
Impact Fee Program: Transportation Capital Improvements Plan Update

DELTA DEVELOPMENT GROUP INC.

June 2007

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

S-30



CRANBERRY TOWNSHIP IMPACT FEE UPDATE

CAPITAL IMPROVEMENTS DRAWING #S-30
FREEDOM ROAD
PROJECT P63

SHEET:	OF:	DATE:
1	1	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: **TRANSPORTATION DISTRICT:** West

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

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:

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

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

PROJECT SCHEDULE:

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

PROPOSED FUNDING:

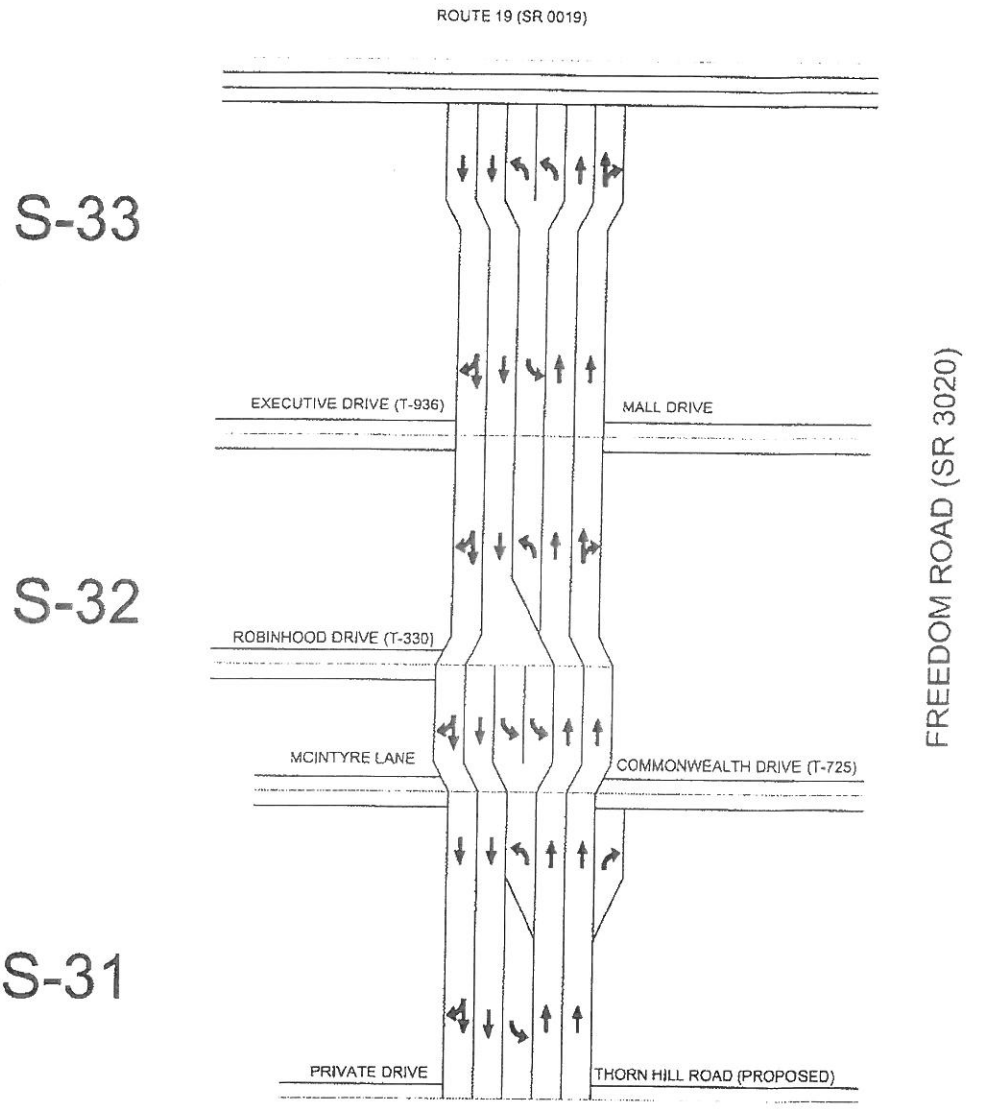
State/Federal	0%	$0
Other	0%	$0
Impact Fees	0%	$0

Transportation District Cost:

West District	$0
East District	$0

REMARKS:

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



CRANBERRY TOWNSHIP IMPACT FEE UPDATE

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

SHEET:	OF:	DATE:
1	1	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: **TRANSPORTATION DISTRICT:** West

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

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:

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

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

PROJECT SCHEDULE:

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

PROPOSED FUNDING:

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

Transportation District Cost:

West District	$0
East District	$0

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
ImpactFeeProgram2015

Capital Improvements Plan

March 2015 Update

TRANSPORTATION CAPITAL IMPROVEMENTS FOR CRANBERRY TOWNSHIP PROJECT SUMMARY SHEET

SEGMENT NUMBER: S-30

PROJECT NUMBER: S-30B

TRANSPORTATION DISTRICT: West

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

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: **TRANSPORTATION DISTRICT:** West

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

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

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

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:

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:

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