Bicycle and Pedestrian Safety Commission
Agenda
Monday, July 16, 2012
5:30 p.m. - Hooker Conference Room

I. INTRODUCTIONS

II. APPROVAL OF MINUTES – Tabled to next meeting

III. PUBLIC COMMENT
(Items not on the agenda) Limit 3 minutes per person.

IV. COMMISSION MEMBER'S COMMENTS

V. DEPARTMENTAL UPDATES

A. City Planning
1). 301 S. Walnut Street – Bloomington Transit
B. City Engineering
1) Greenways Implementation Plan Update
C. Bloomington Police Department

VI. NEW BUSINESS

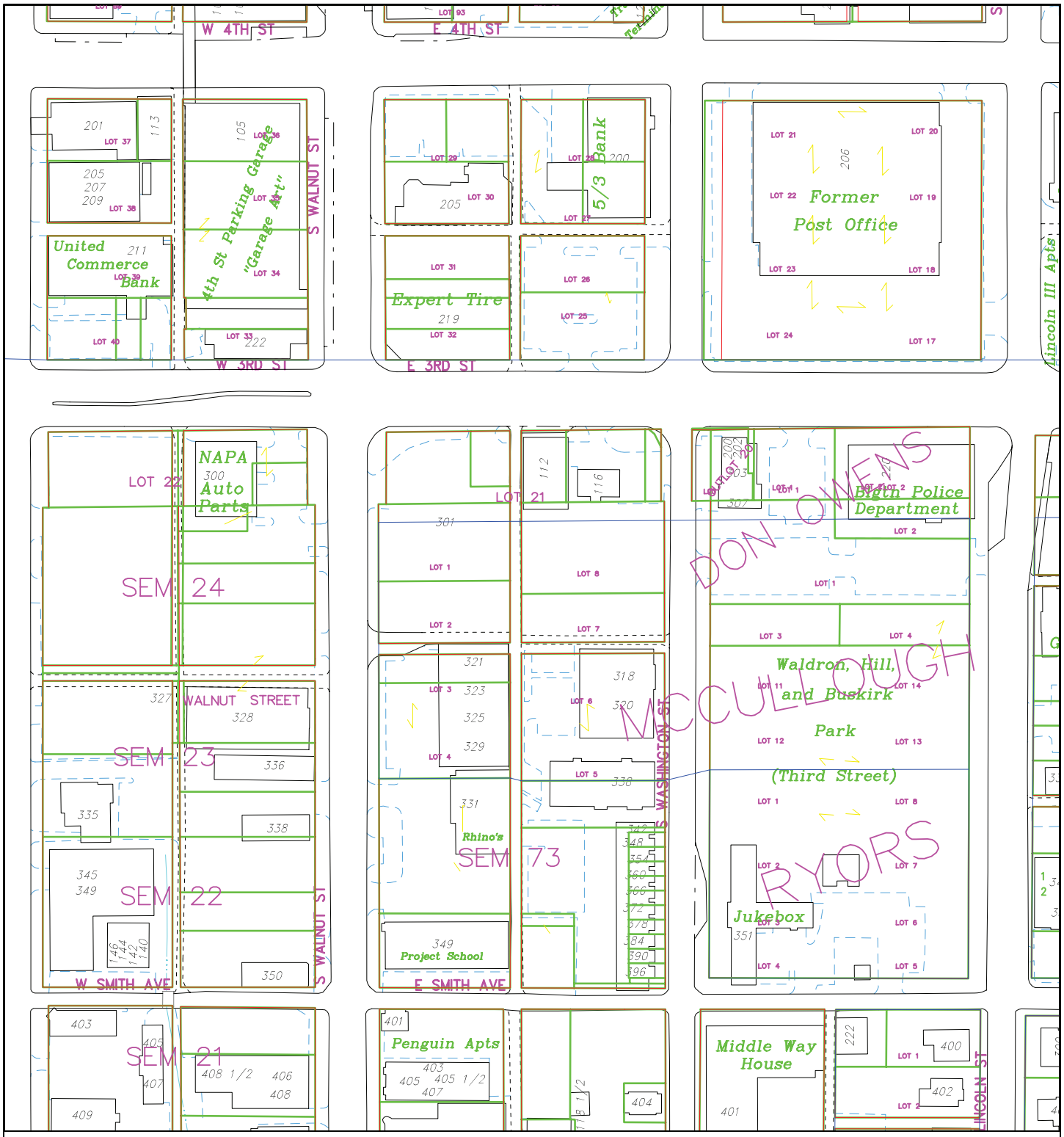
VII. OLD BUSINESS

NEXT WORK SESSION: Monday, August 6, 2012 at 5:30 p.m. in the Hooker Conference Room at the Showers Building.

NEXT MEETING: Monday, August 20, 2012 at 5:30 p.m. in the Hooker Conference Room at the Showers Building.

Bicycle Pedestrian Safety Commission
July 16, 2012
Planning Department Development Review Cases

1. **301 S. Walnut Street**: Bloomington Transit downtown transfer station and dispatch: This is a site plan request to allow a two-story building at the southeast corner of Walnut and 3rd. The first floor would house BT ticketing, waiting, meeting and office space. The second floor would house Bloomington/Monroe County 911 dispatch. The remainder of lot will include bus staging area and weather protection for passengers.



By: roachja
2 Jul 12

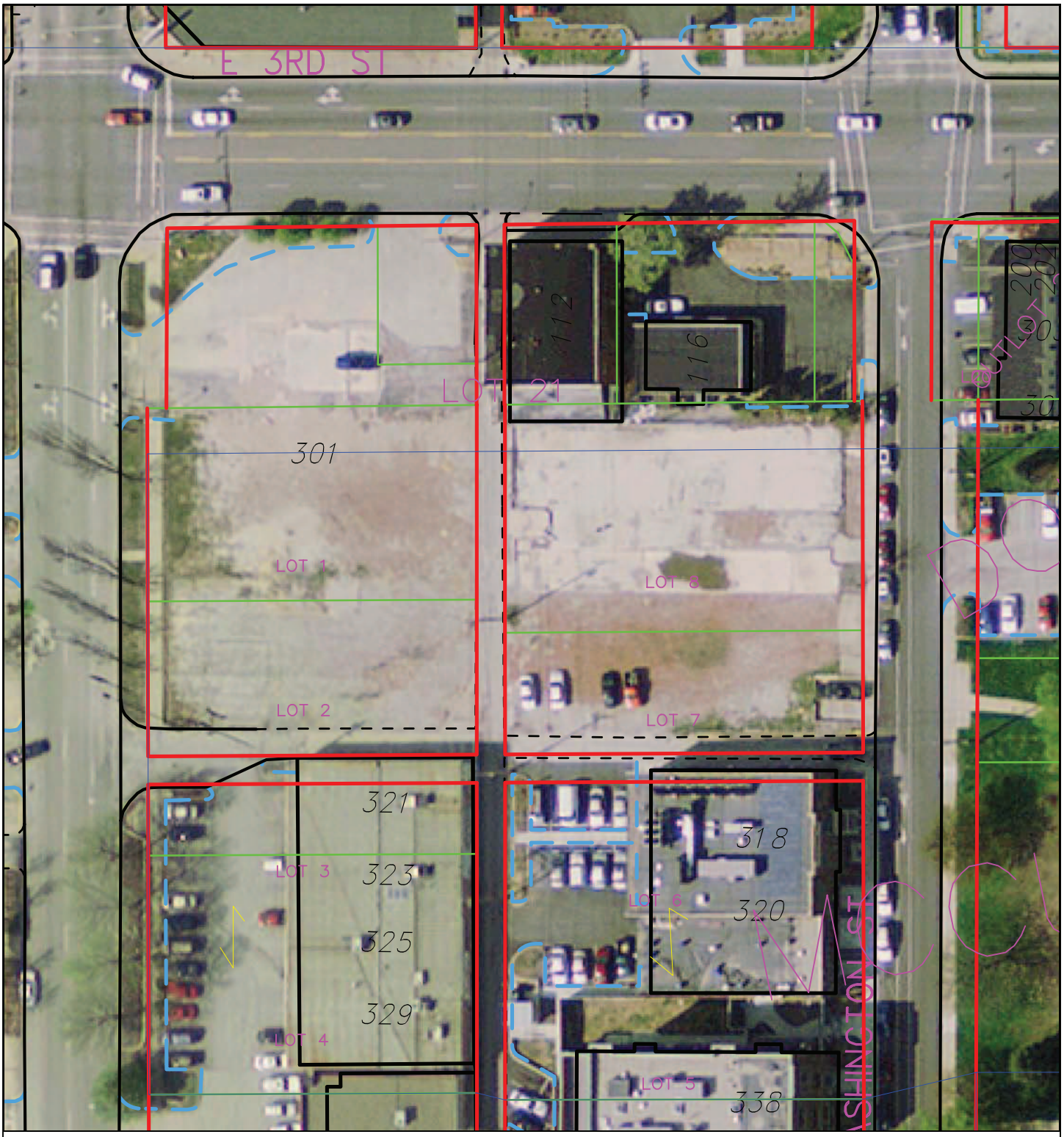
150 0 150 300 450

N

City of Bloomington
Planning

Scale: 1" = 150'

For reference only; map information NOT warranted.



By: roachja
2 Jul 12

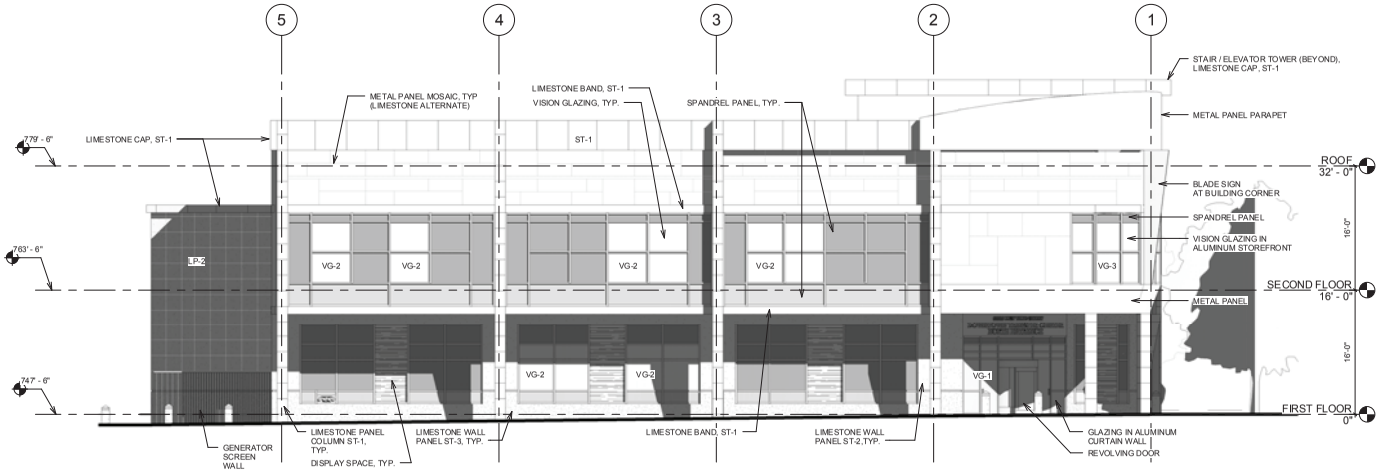
60 0 60 120 180

N

City of Bloomington
Planning

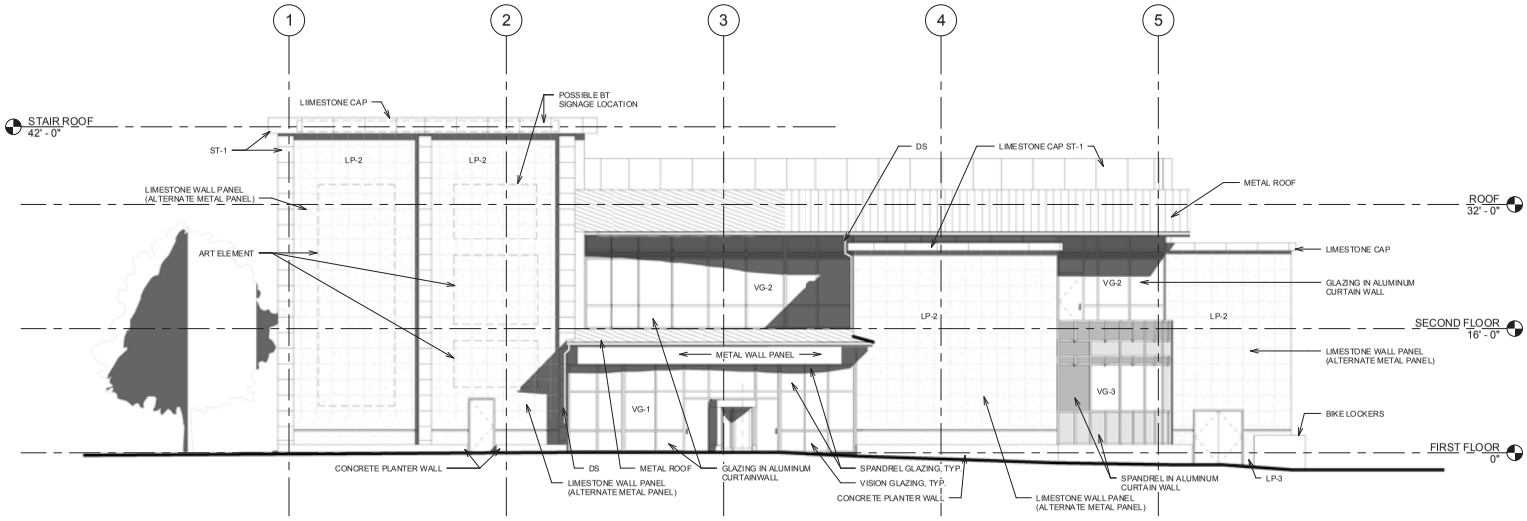
Scale: 1" = 60'

For reference only; map information NOT warranted.



1 NORTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'



2 SOUTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'

Bloomington Transit
CITY OF BLOOMINGTON

Prime Consultant: Architecture, Structure, Systems
PARSONS BRINCKERHOFF
300 North Meridian Street Indianapolis, Indiana 46204
T 317.972.1706 F 317.972.1708 I www.pbworld.com

Civil / Survey / Landscape
Bledsoe Riggert Guerrettaz
LAND SURVEYING · CIVIL ENGINEERING
1351 West Tapp Road Bloomington, Indiana 47403
T 812.336.8277 F 812.336.0817 I www.brgcivil.com

Mechanical / Electrical / Plumbing / Fire Prot
L'ACQUIS
CONSULTING ENGINEERS
9229 Delegates Row, Ste 550 Indianapolis, Indiana 46240
T 317.706.2075 F 317.706.2076 I www.lacquis.com

REV	DESCRIPTION	DATE

New Construction of:
Downtown Transfer Center Dispatch Center
Walnut St / Third St
Bloomington, Indiana 47401

Bloomington Public Transportation Corporation
City of Bloomington

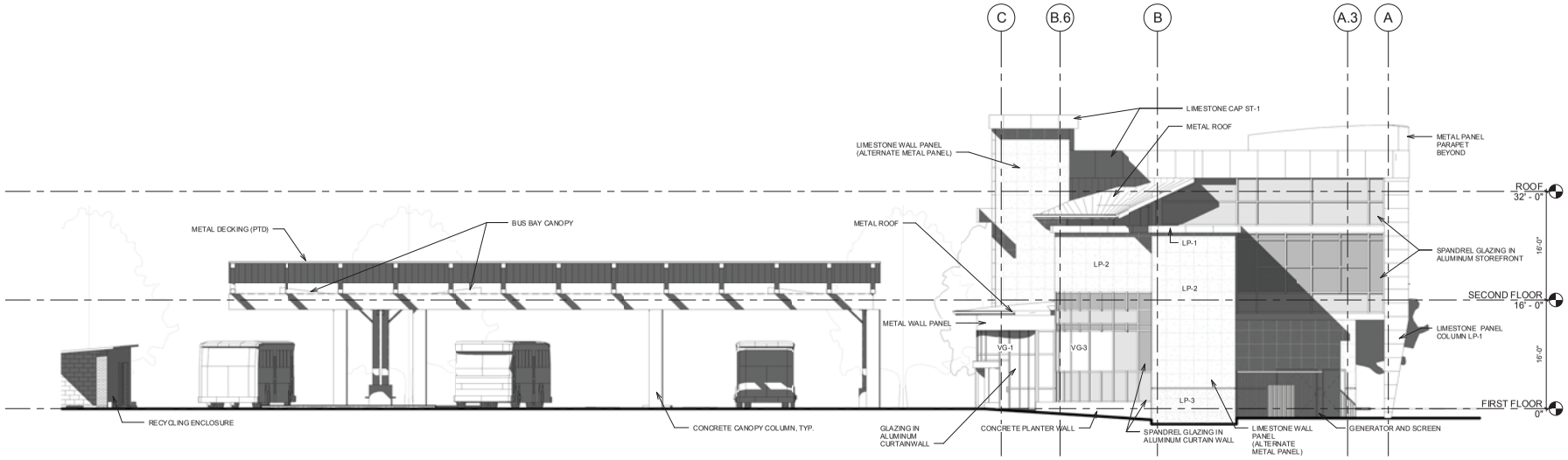
DESIGN DEVELOPMENT PACKAGE

Sheet Content
EXTERIOR BUILDING ELEVATIONS

DATE	2012, JUNE 29
SCALE	1/8" = 1'-0"
DRAWN BY	AJH
CHECKED BY	MDC
APPROVED BY	TBP

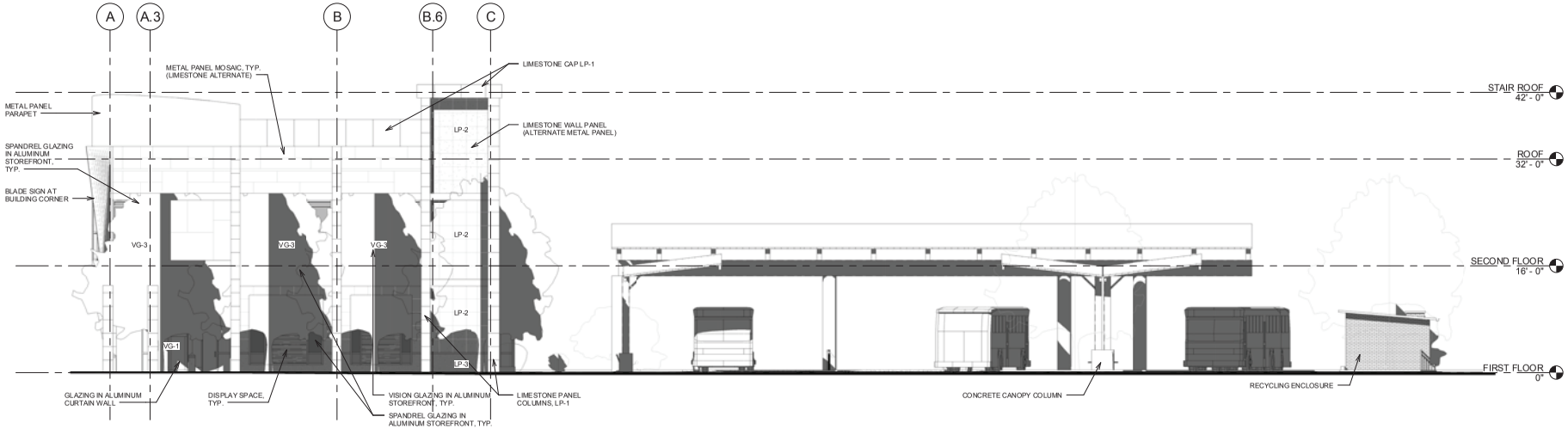
PB Project Number 35654A/B

Sheet Number **A2.1**



1 EAST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'



2 WEST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'

Bloomington Transit
CITY OF BLOOMINGTON

Prime Consultant: Architecture, Structure, Systems
PARSONS BRINCKERHOFF
300 North Meridian Street Indianapolis, Indiana 46204
T 317.972.1706 F 317.972.1708 I www.pbworld.com

Civil / Survey / Landscape
Bledsoe Riggert Guerrettaz
LAND SURVEYING • CIVIL ENGINEERING
1351 West Tapp Road Bloomington, Indiana 47403
T 812.336.8277 F 812.336.0817 I www.brgcivil.com

Mechanical / Electrical / Plumbing / Fire Prot
L'ACQUIS
CONSULTING ENGINEERS
9229 Delegates Row, Ste 550 Indianapolis, Indiana 46240
T 317.706.2075 F 317.706.2076 I www.lacquis.com

REV	DESCRIPTION	DATE

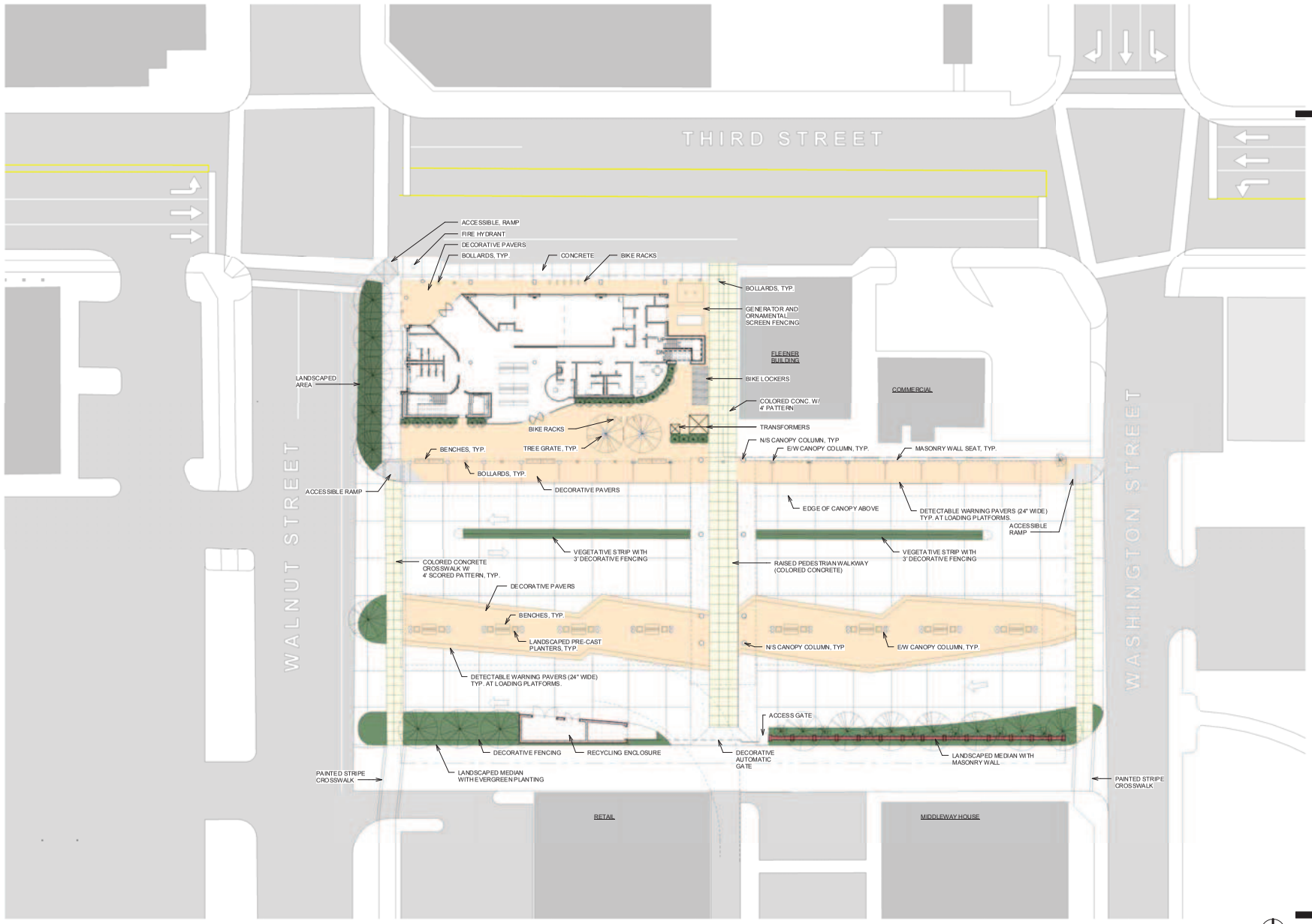
New Construction of:
Downtown Transfer Center Dispatch Center
Walnut St / Third St
Bloomington, Indiana 47401

Bloomington Public Transportation Corporation
City of Bloomington

DESIGN DEVELOPMENT PACKAGE

Sheet Content
EXTERIOR BUILDING ELEVATIONS

DATE	2012, JUNE 29
SCALE	1/8" = 1'-0"
DRAWN BY	AJH
CHECKED BY	MDC
APPROVED BY	TBP
PB Project Number	35654A/B
Sheet Number	**A2.2**



1 LANDSCAPE PLAN
1" = 20'-0"

0' 10' 20' 40' 80'

Bloomington Transit
City of Bloomington

Prime Consultant: Architecture, Structure, Systems
PARSONS BRINCKERHOFF
300 North Meridian Street Indianapolis, Indiana 46204
T 317.972.1706 F 317.972.1708 I www.pbworld.com

Civil / Survey / Landscape
Bledsoe Riggert Guerrettaz
LAND SURVEYING · CIVIL ENGINEERING
1351 West Tapp Road Bloomington, Indiana 47403
T 812.336.8277 F 812.336.0817 I www.brgcivil.com

Mechanical / Electrical / Plumbing / Fire Prot
L'ACQUIS
CONSULTING ENGINEERS
9229 Delegates Row, Ste550 Indianapolis, Indiana 46240
T 317.706.2075 F 317.706.2076 I www.lacquis.com

REV	DESCRIPTION	DATE

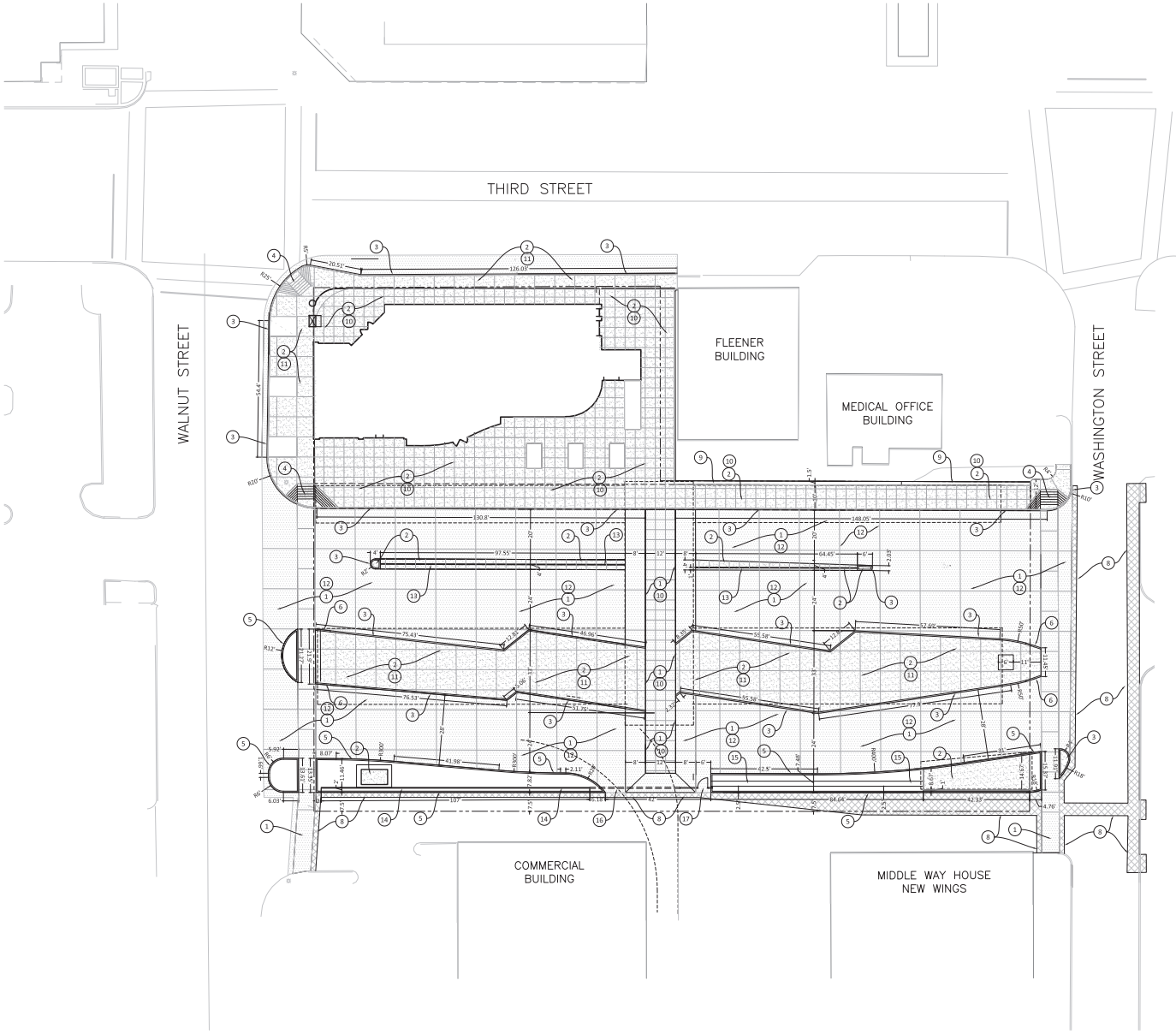
New Construction of:
Downtown Transfer Center Dispatch Center
Walnut St / Third St
Bloomington, Indiana 47401

Bloomington Public Transportation Corporation
City of Bloomington

DESIGN DEVELOPMENT PACKAGE

Sheet Content
LANDSCAPE PLAN

DATE	2012, JUNE 29
SCALE	1" = 20'-0"
DRAWN BY	AJF
CHECKED BY	MDC
APPROVED BY	TBP
PB Project Number	35654A/B
Sheet Number	**L1.1**



GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB, POINT OF TANGENCY, EDGE OF PAVEMENT, OR EDGE OF WALK, UNLESS OTHERWISE NOTED. ALL RADII ARE TO FACE OF CURB UNLESS NOTED OTHERWISE. CURB AND WALL COORDINATES ARE TO THE BACK, UNLESS NOTED OTHERWISE. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND CENTER SIDEWALKS WITH RESPECTIVE ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS REQUIRED TO VERIFY FIELD CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
3. ALL DISTURBED AREAS SHALL RECEIVE 6" OF TOP SOIL, MULCH AND SEED OR BE IMPROVED AS NOTED OTHERWISE.
4. REFER TO PLAN FOR DETAILS CORRESPONDING TO PLAN NOTES.
5. SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. ALL STREET CUTS FOR UTILITIES AND OTHER IMPROVEMENTS SHALL BE REPAIRED TO MATCH EXISTING PAVEMENT SECTION OR BETTER.

PLAN NOTES

1. CONCRETE PAVEMENT, HEAVY DUTY - REFER TO DETAILS
2. CONCRETE PAVEMENT, 4" THICK - REFER TO DETAIL
3. MONOLITHIC CURB AND WALK - REFER TO DETAIL
4. ADA COMPLIANT RAMP AND CONCRETE CURB TRANSITION, 1:12 SLOPE MAX. WITH 5/8" DEEP GROVES AT 6" O.C. - REFER TO DETAILS
5. 6" STANDING CONCRETE CURB - REFER TO DETAIL
6. CONCRETE CURB TRANSITION, REFER TO DETAIL
7. EXPANSION JOINT (TYPICAL) - REFER TO DETAIL
8. ASPHALT PAVEMENT PATCH - REFER TO DETAIL
9. MASONRY RETAINING WALL, HEIGHT VARIES - REFER TO "A" SERIES PLANS
10. COLORED CONCRETE, 4'x4' SCORED JOINT PATTERN
11. COLORED CONCRETE, 8'x8' SCORED JOINT PATTERN, EXCEPT AS INDICATED
12. CONCRETE, 16'x16' SCORED JOINT PATTERN
13. 3' HIGH FENCE/BARRIER
14. 6' HIGH DECORATIVE FENCE
15. 8' HIGH MASONRY WALL - REFER TO "A" SERIES DRAWINGS
16. 36' WIDE AUTOMATED GATE
17. 3' WIDE MANUAL MAN-GATE

LEGEND

- LIMITS OF NEW 4" THICK CONCRETE PAVING
- LIMITS OF NEW HEAVY DUTY CONCRETE PAVING
- LIMITS OF NEW ASPHALT PAVEMENT PATCH

20 0 20
SCALE: 1" = 20'
NORTH

Bloomington Transit
CITY OF BLOOMINGTON

Prime Consultant: Architecture, Structure, Systems
PARSONS BRINCKERHOFF
300 North Meridian Street Indianapolis, Indiana 46204
T 317.972.1706 F 317.972.1708 | www.pbworld.com

Civil / Survey / Landscape
Bledsoe Riggert Guerrettaz
LAND SURVEYING · CIVIL ENGINEERING
1351 West Tapp Road Bloomington, Indiana 47403
T 812.336.8277 F 812.336.0817 | www.brgcivil.com

Mechanical / Electrical / Plumbing / Fire Prot
JACOUS LEE
CONSULTING ENGINEERS
9229 Delegates Row,Ste550 Indianapolis, Indiana 46240
T 317.708.2075 F 317.708.2076 | www.jacoulee.com

REV	DESCRIPTION	DATE

New Construction of:

Downtown Transfer Center Dispatch Center

Walnut St / Third St
Bloomington, Indiana 47401

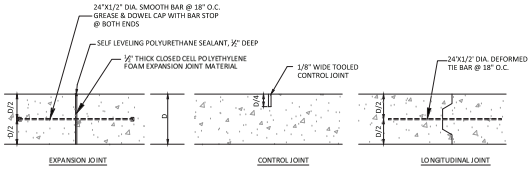
Bloomington Public Transportation Corporation
City of Bloomington

DESIGN DEVELOPMENT PACKAGE

Sheet Content
Description

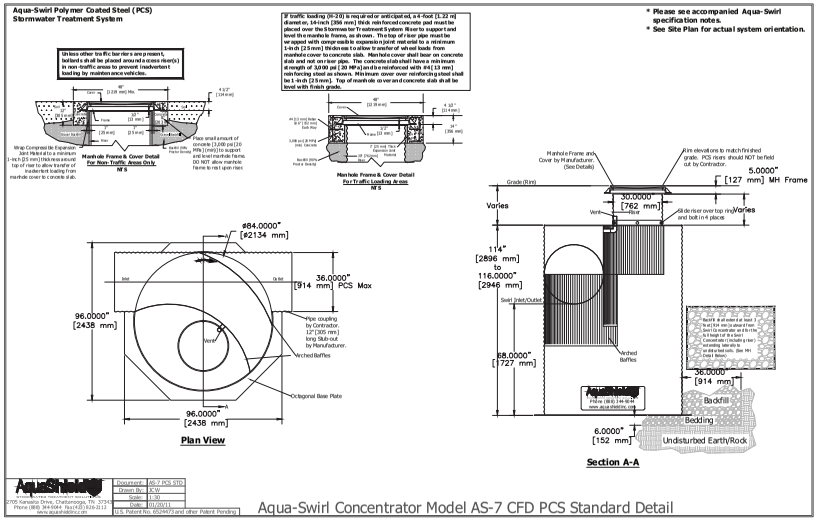
SITE IMPROVEMENT PLAN

DATE	2012.JUNE.13
SCALE	1" = 20'
DRAWN BY	DLN
CHECKED BY	WSR
APPROVED BY	WSR
PB Project Number	35654A
Sheet Number	C2.1



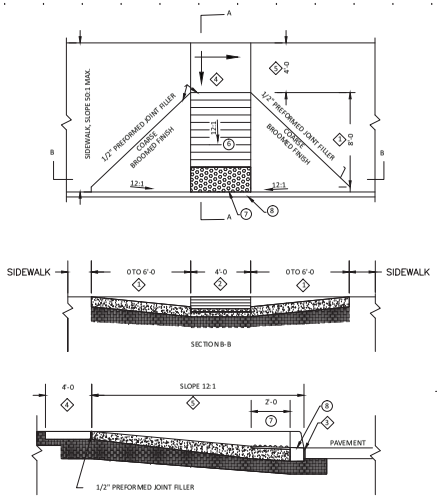
NOTE: CONSTRUCT EXPANSION JOINTS AT 40' MAX. AND CONTROL JOINTS AT 10' MAX. UNLESS OTHERWISE NOTED

CONCRETE JOINT DETAILS N.T.S.



AS-7 AQUA-SWIRL

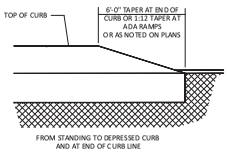
THIS UNIT SERVES AS THE BASIS OF DESIGN FOR STORMWATER QUALITY TREATMENT
REFER TO SPECIFICATIONS SECTION 334419 FOR OTHER ACCEPTABLE MANUFACTURER'S



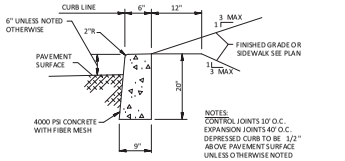
NOTES:

1. See Standard Drawing E 604-SWCR-02 for General Notes respectively.
6. See Standard Drawing E 604-SWCR-02 for groove details.
7. See Standard Drawing E 604-SWCR-02 for details of the detectable warning.
8. See Standard Drawing E 604-SWCR-02 for alternate curb construction.
A. See Standard Drawing E 604-SWCR-02 for typical ramp construction detail.

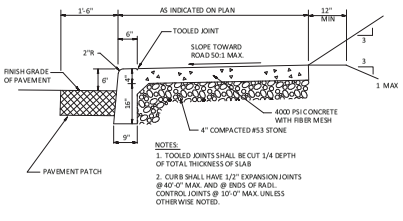
CONCRETE RAMP TYPE 'A'



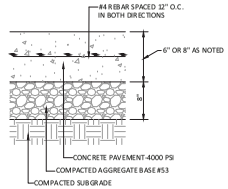
CONCRETE CURB TRANSITION



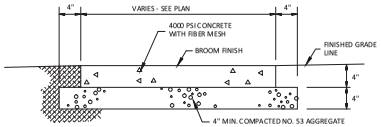
STANDING CONCRETE CURB N.T.S.



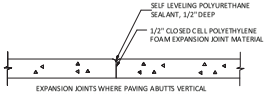
N.T.S.



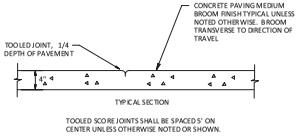
CONCRETE PAVEMENT - HEAVY DUTY N.T.S.



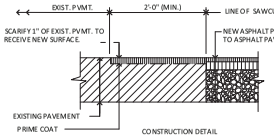
CONCRETE PAVEMENT N.T.S.



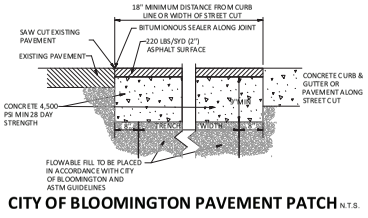
TYPICAL EXPANSION JOINT N.T.S.



SIDEWALK LONGITUDINAL SECTION AND JOINT DETAIL N.T.S.



NEW PAVEMENT TO EXISTING PAVEMENT N.T.S.



CITY OF BLOOMINGTON PAVEMENT PATCH N.T.S.

Bloomington Transit
CITY OF BLOOMINGTON

Prime Consultant: Architecture, Structure, Systems
PARSONS BRINCKERHOFF
300 North Meridian Street Indianapolis, Indiana 46204
T 317.972.1706 F 317.972.1708 I www.pbworld.com

Civil / Survey / Landscape
Bledsoe Riggert Guerrettaz
LAND SURVEYING CIVIL ENGINEERING
1351 West Tapp Road Bloomington, Indiana 47403
T 812.336.8277 F 812.336.0817 I www.brgcivil.com

Mechanical / Electrical / Plumbing / Fire Prot
L'ACQUIS
CONSULTING ENGINEERS
9229 Delegates Row, Ste 550 Indianapolis, Indiana 46240
T 317.706.2075 F 317.706.2076 I www.lacquis.com

REV	DESCRIPTION	DATE

New Construction of:
Downtown Transfer Center
Dispatch Center
Walnut St / Third St
Bloomington, Indiana 47401

Bloomington Public Transportation Corporation
City of Bloomington

DESIGN DEVELOPMENT PACKAGE

Sheet Content
Description
SITE DETAILS

DATE	2012.JUNE.13
SCALE	1" = 20'
DRAWN BY	DLN
CHECKED BY	WSR
APPROVED BY	WSR
PB Project Number	35654A
Sheet Number	C4.1

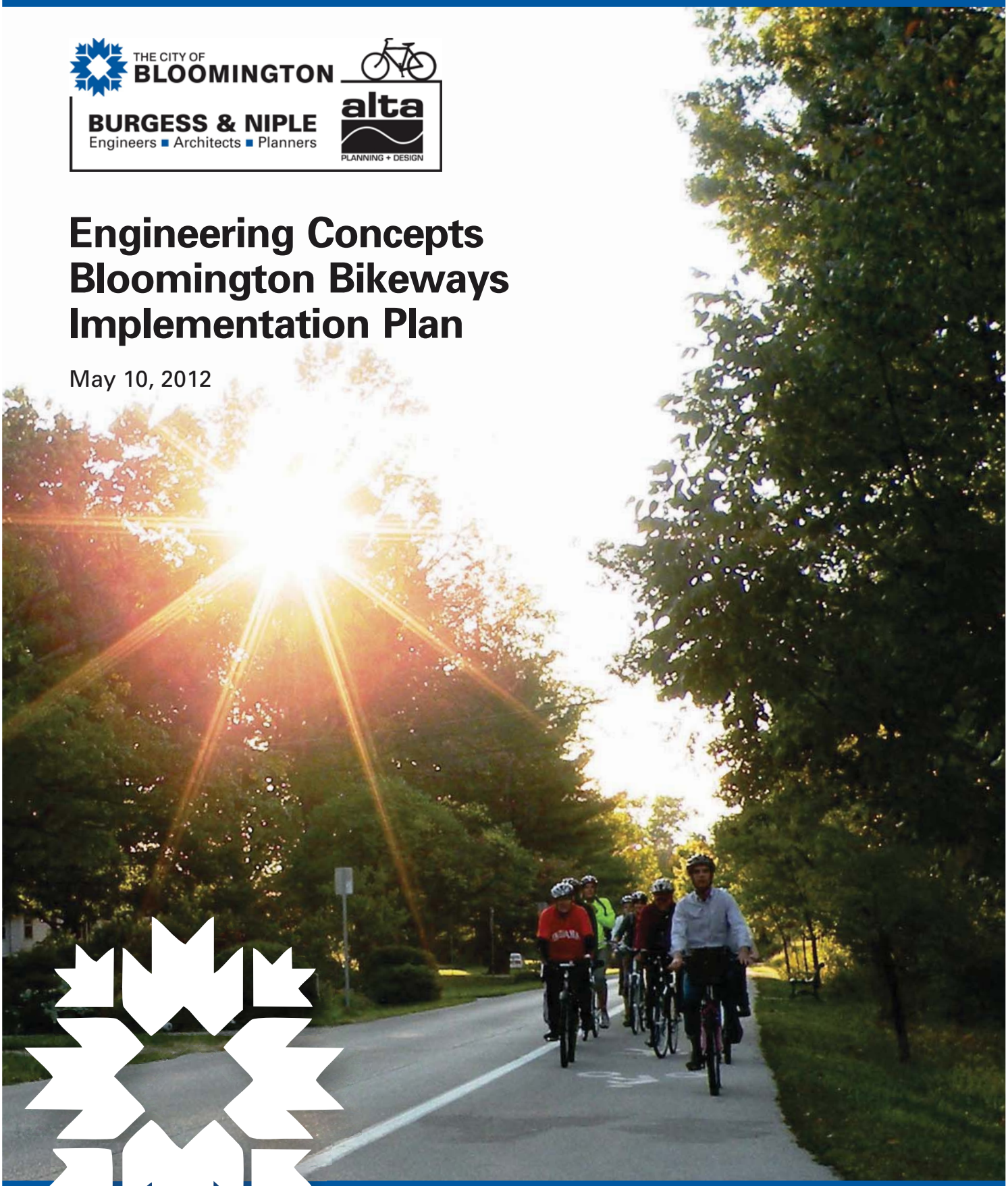
THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

Engineering Concepts Bloomington Bikeways Implementation Plan

May 10, 2012



Vetted Bloomington Bikeway Projects

DRAFT Post Alta Memo Dated 10/7/2011

Immediate Projects

Number	Project	Limits
CST 1	Allen/Covenanter Bike Boulevard	Patterson Drive to College Mall Road
CST 2	Highland - Hawthorne Bike Boulevard	Highland: Winslow to Miller Dr. (BL), Miller Dr., Olive, Southdowns (BB); Hawthorne: Southdowns Drive (Allen St. Bicycle Boulevard) to 3rd Street
IM1	6th/7th/Longview	6th - Adams Street to Indiana Avenue; 7th Street - Adams St. to Smith Road
IM2A	South Adams	W. 3rd Street to W. 6th Street
IM2B	3rd Street Bike Lanes	Landmark Ave. to S Adams St
IM3A	Indiana Avenue Bike Lanes	10th Street to 17th Street
IM3B	Dunn Street Bike Lanes	3rd Street to 12th Street; 13th Street to 17th Street
IM3C	19th Street Bike Lanes	Walnut Street to Dunn Street
IM4	4th Street Bike Lanes	Rogers Street to Indiana Avenue
IM5	Fess Bike Boulevard	7th Street to 17th Street
IM6	Clifton/Union Bike Boulevard	Maxwell Lane to Law Lane
IM7	East 3rd St	Dunn St. to SR 45/46
IM8	Fee Lane Bike Lanes	17th Street to SR 45/46; 11th Street to 13th Street

Longer Term Projects

Number	Project	Limits
LT1	2nd St.	S. Adams St. to College Ave.
LT2	Liberty Drive Bike Lanes	SR 45 to SR 48
LT3A	College Avenue Bike Lanes	Old SR 37 (Miller Showers Park) to SR 45/46
LT3B	Walnut Street Bike Lanes	SR 45/46 to Old SR 37
LT4	Arlington Road Bike Lanes	Monroe Street to SR 37
LT5	12th Street Bike Lanes	Walnut Street to Indiana Avenue
LT6	10th Street Bike Lanes*	Morton Street to Union Street
LT7	Law Lane Bike Lanes*	Fee Lane to Union Street
LT8	Rogers Street Bike Lanes	2nd Street to Kirkwood Ave; 11th Street to 17th Street
LT9	11th St./Cottage Grove	Cottage Grove: N. Walnut to N. Lincoln; 11th: N. Washington to N. Lincoln and Walnut Grove Street to N. Fee
LT10	Walnut Street Bike Lanes	Winslow Road to 1st Street
LT11	College Avenue Bike Lanes	Walnut Street to 4th Street
LT 12	W. 3rd Street Bike Lanes*	Liberty Drive to Franklin Road
LT 13	High Street	Winslow Street to E. 3rd

* On Immediate list but delayed due to complexity or jurisdictional considerations

CST - Construction Plans IM - Immediate Priority Projects LT - Longer Term Projects

BB - Bike Boulevard (Neighborhood Greenway) Facilities

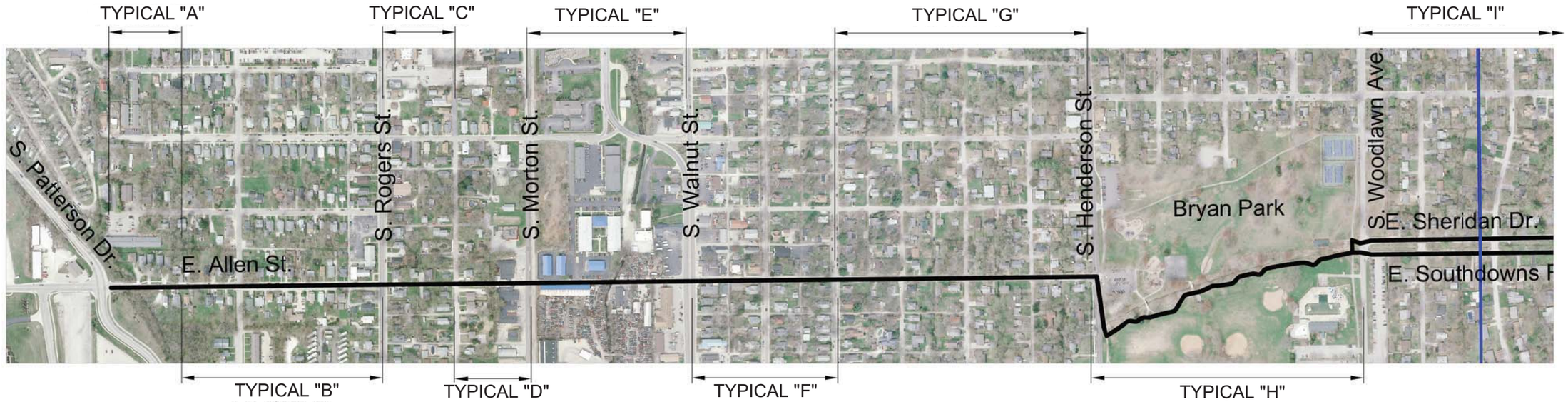
BL - Bike Lane Facilities

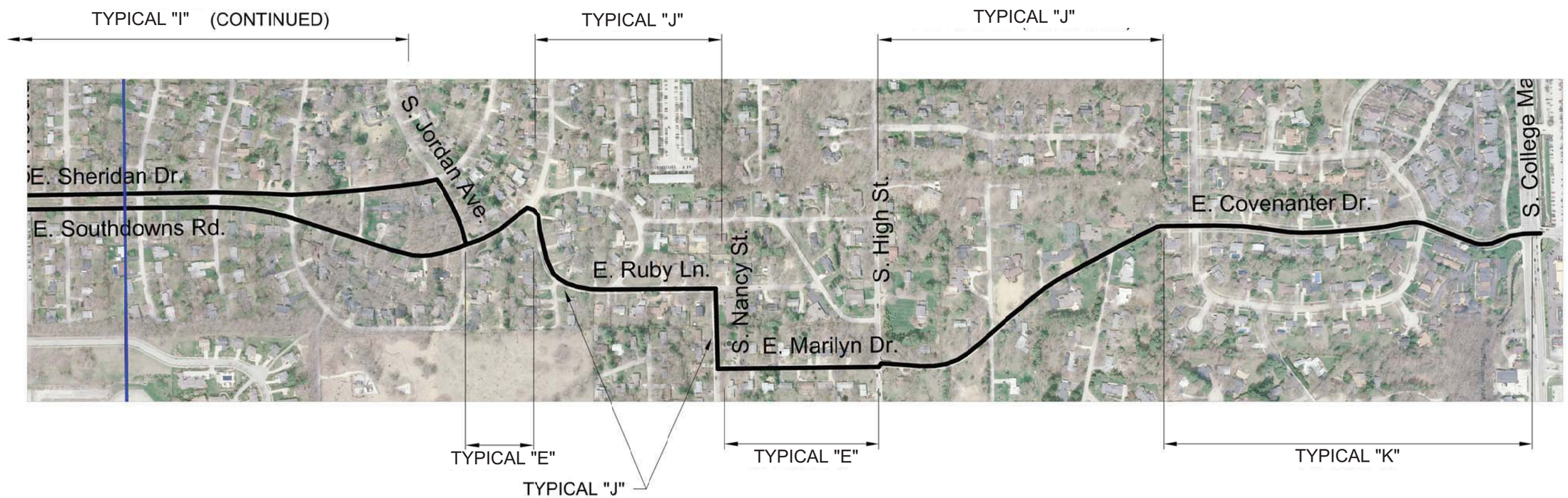
BL/SR - Bike Lane and Sharrows Initiative

THE CITY OF BLOOMINGTON

BURGESS & NIPLE Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN





THE CITY OF BLOOMINGTON
Mark Kruzan, Mayor

DESIGNED: JLC	DRAWN: BJD
CHECKED: CH	CHECKED: JLC

ALLEN ST/COVENANTER
KEY MAP - TYPICAL SECTIONS

HORIZONTAL SCALE 1"=250' (Full Size "D")	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

foster - Oct 25, 2011 - 1:39pm P:\PR50635\cadd\Details\Allen-Covenanter TYPICAL LAYOUT.dwg

Patterson Dr - Allen/Covenanter Bike Boulevard

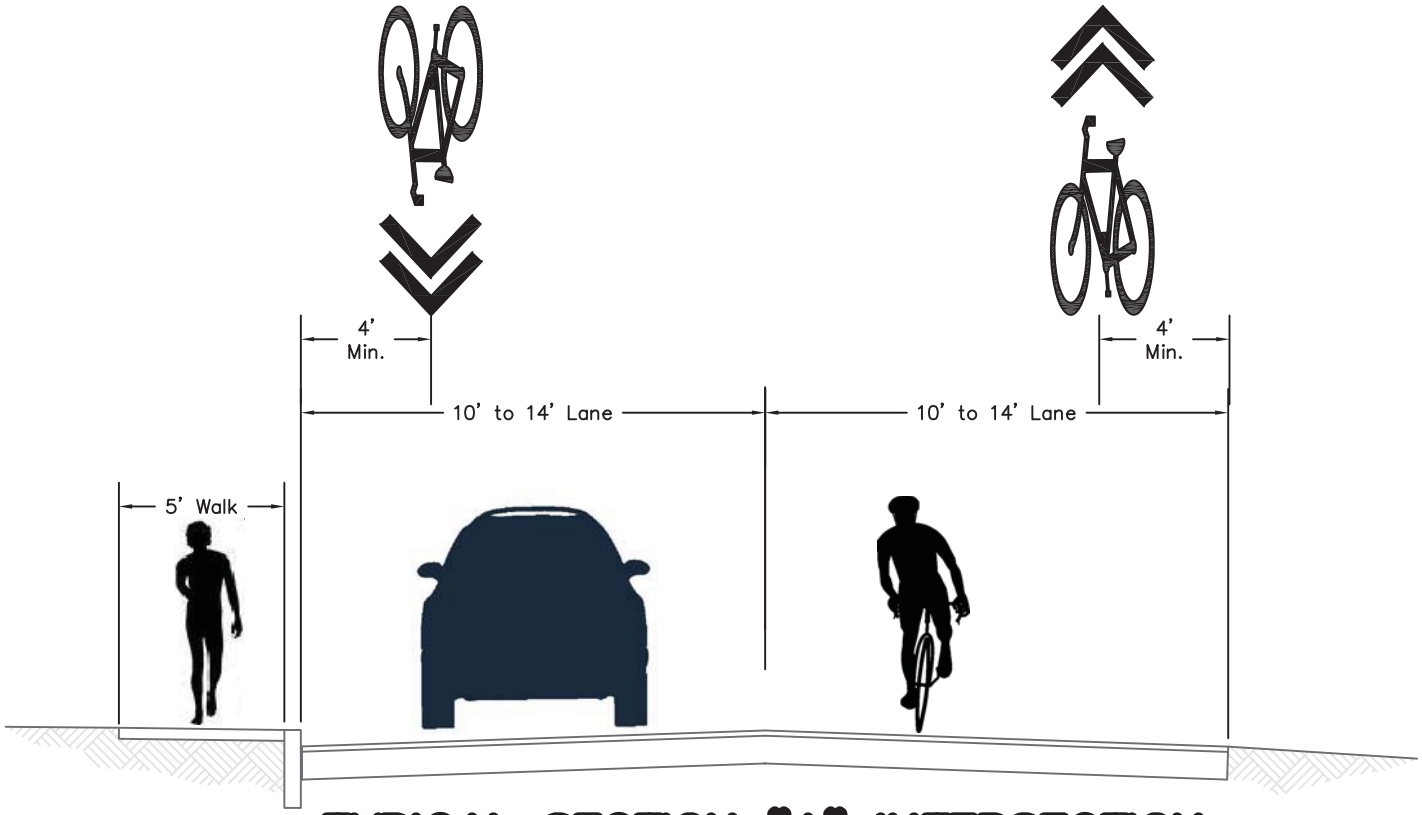
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: October, 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING • DESIGN



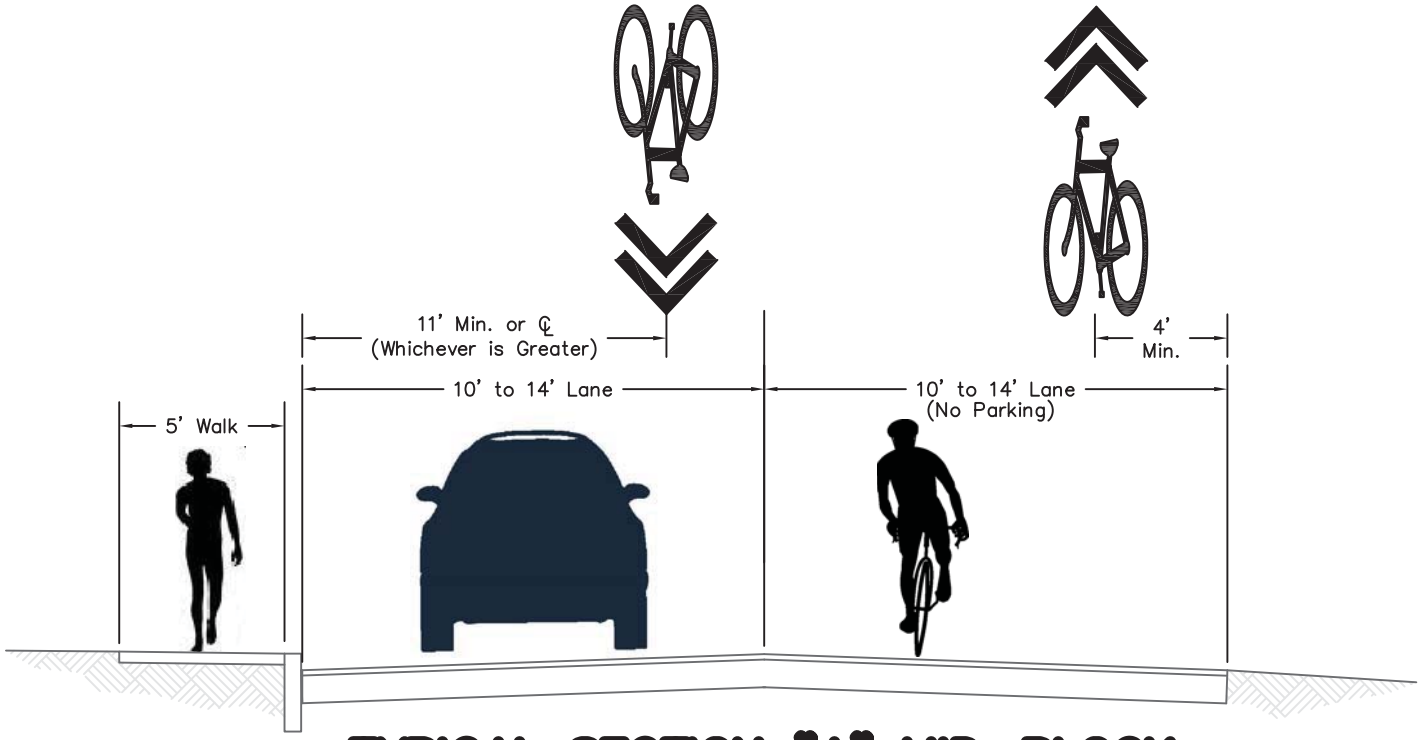
TYPICAL SECTION "A" INTERSECTION

S. PATTERSON DRIVE TO 375' W. OF S. FAIRVIEW STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



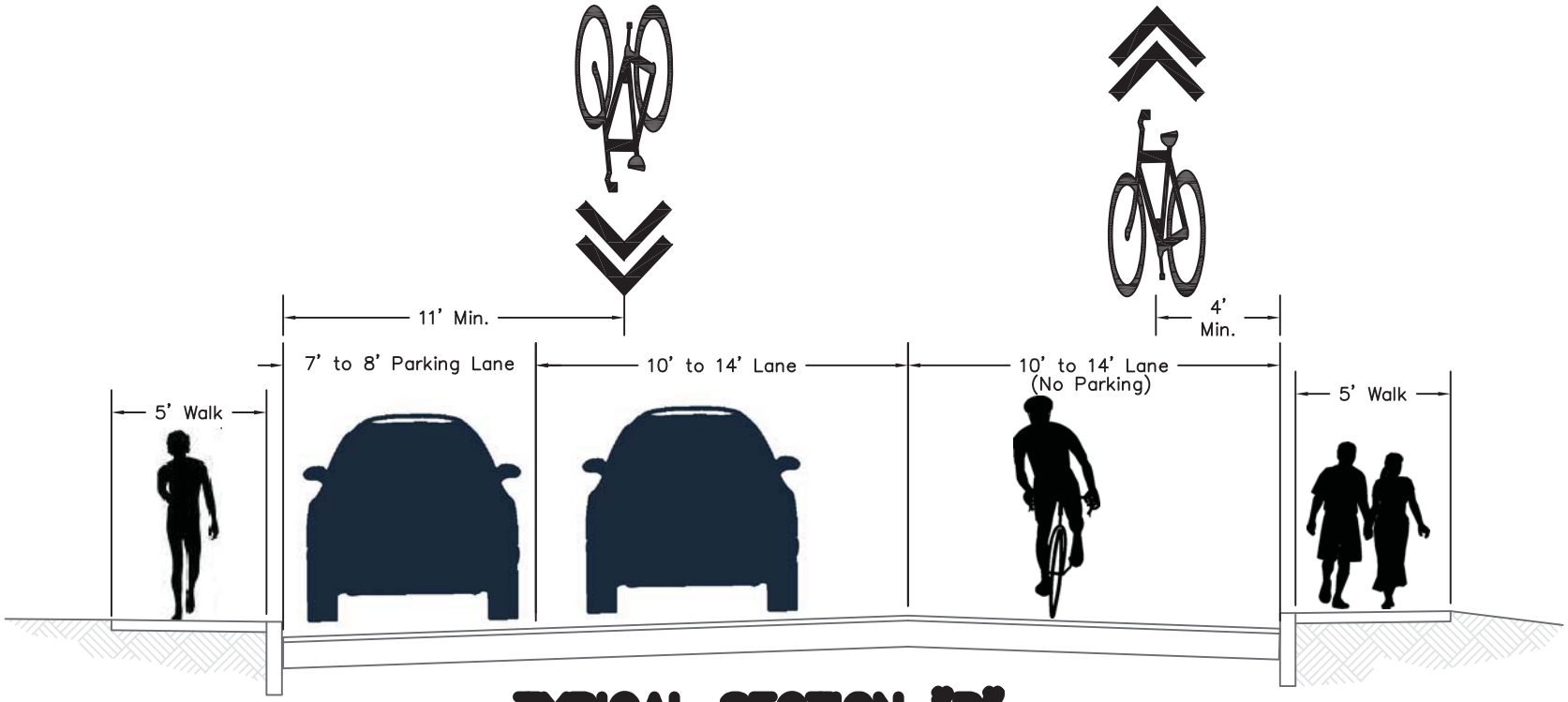
TYPICAL SECTION "A" MID-BLOCK

S. PATTERSON DRIVE TO 375' W. OF S. FAIRVIEW STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



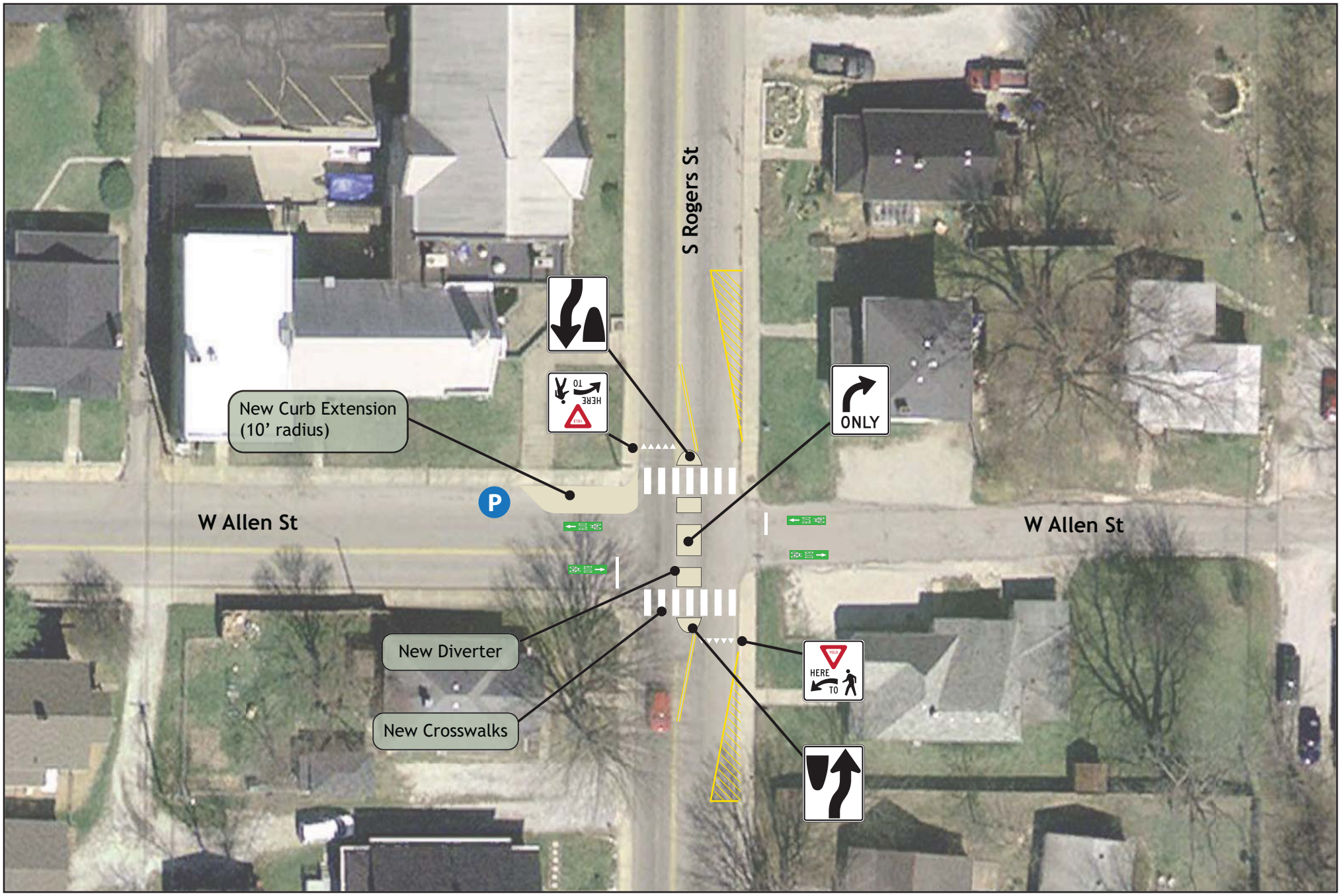
TYPICAL SECTION "B"

S FAIRVIEW STREET TO ROGERS STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

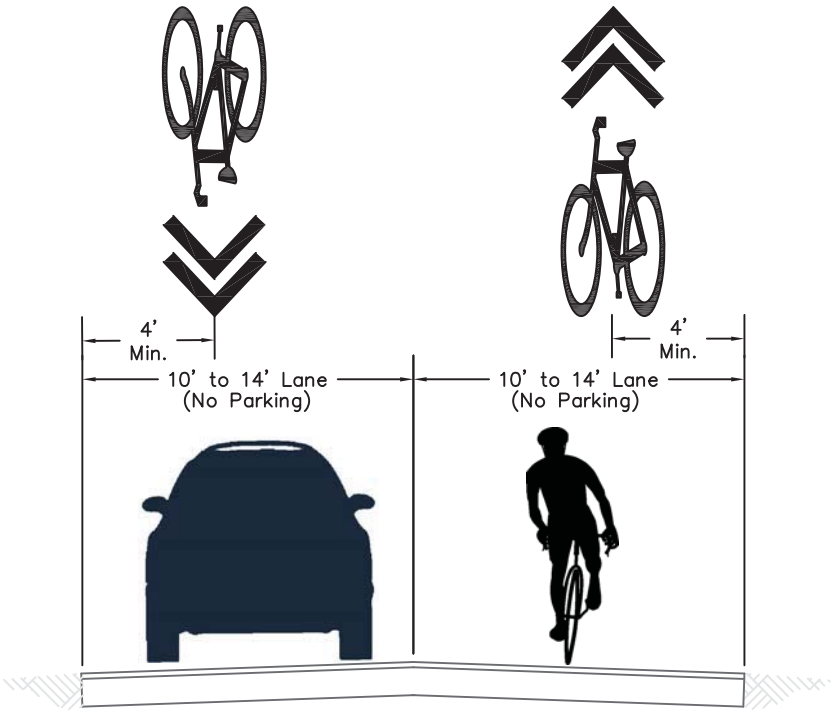


Rogers St - Allen/Covenanter Bike Boulevard

Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: October, 2011

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN



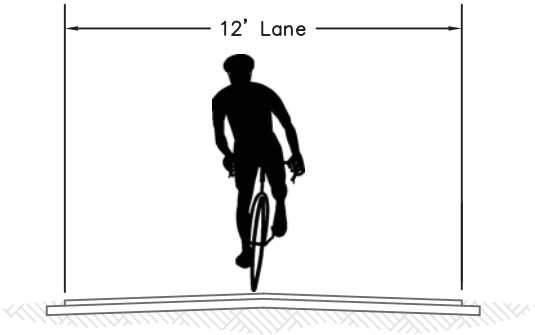
TYPICAL SECTION "C"

S ROGERS STREET TO S MADISON STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



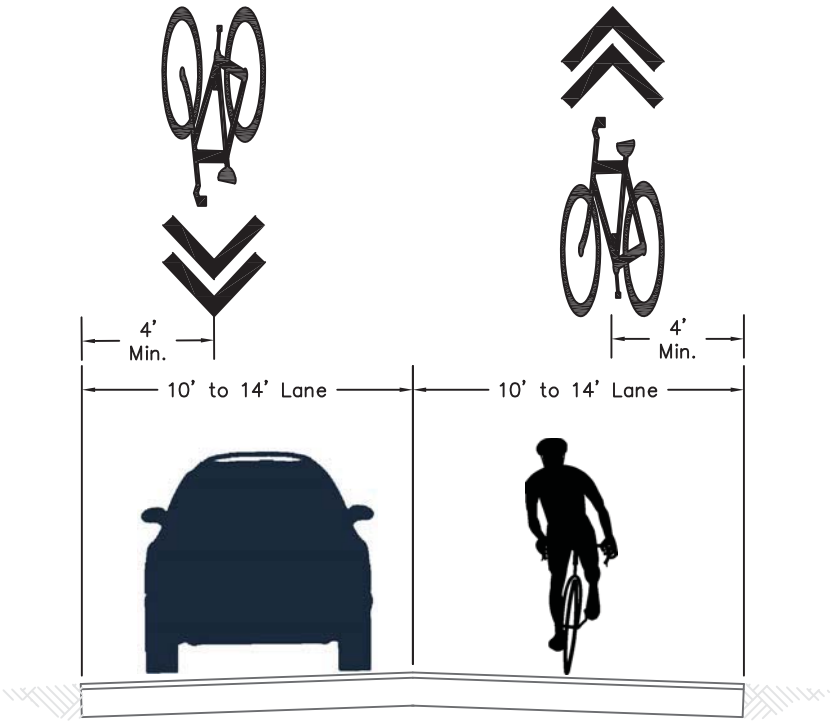
TYPICAL SECTION "D"

S. MADISON STREET TO S MORTON STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

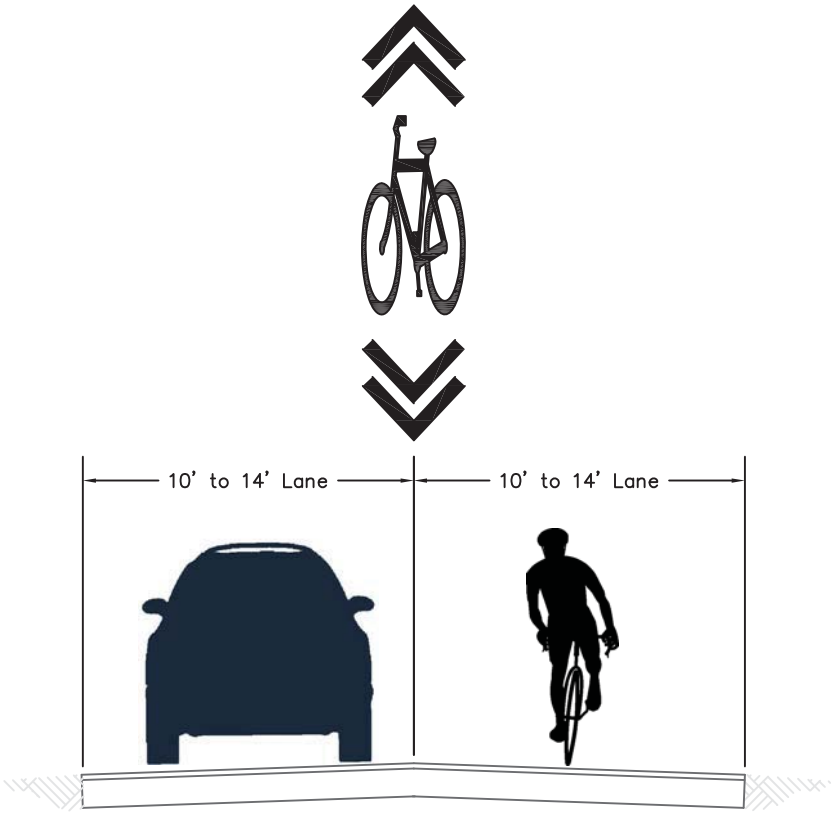
alta
PLANNING + DESIGN



TYPICAL SECTION "E" INTERSECTION

S MORTON STREET TO S WALNUT STREET
JORDAN AVE. & PORTION OF E. SOUTHDOWNS DRIVE
& MARILYN STREET

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta
PLANNING + DESIGN



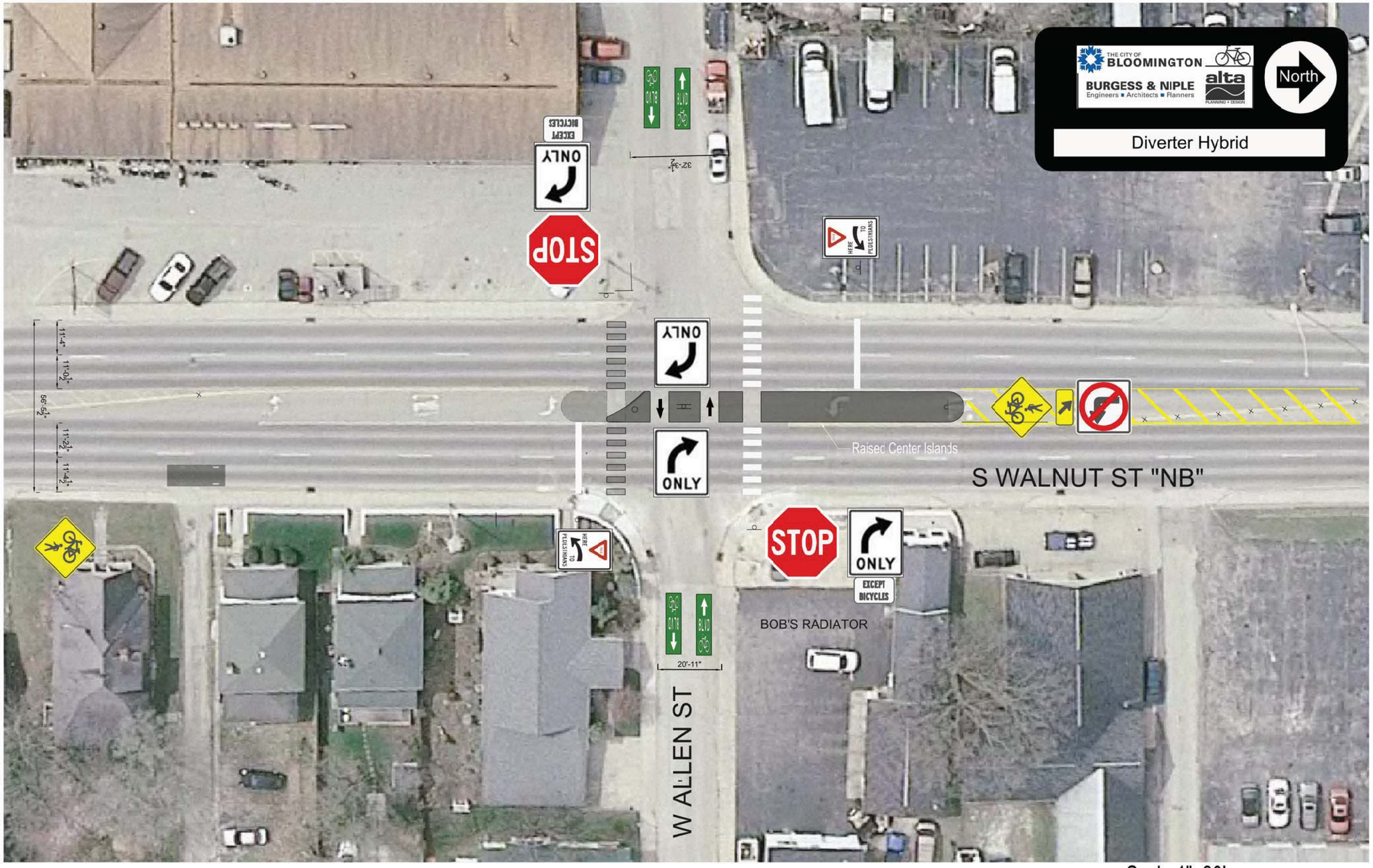
TYPICAL SECTION "E" MID-BLOCK

S MORTON STREET TO S WALNUT STREET
JORDAN AVE. & PORTION OF E. SOUTHDOWNS DRIVE
& MARILYN STREET

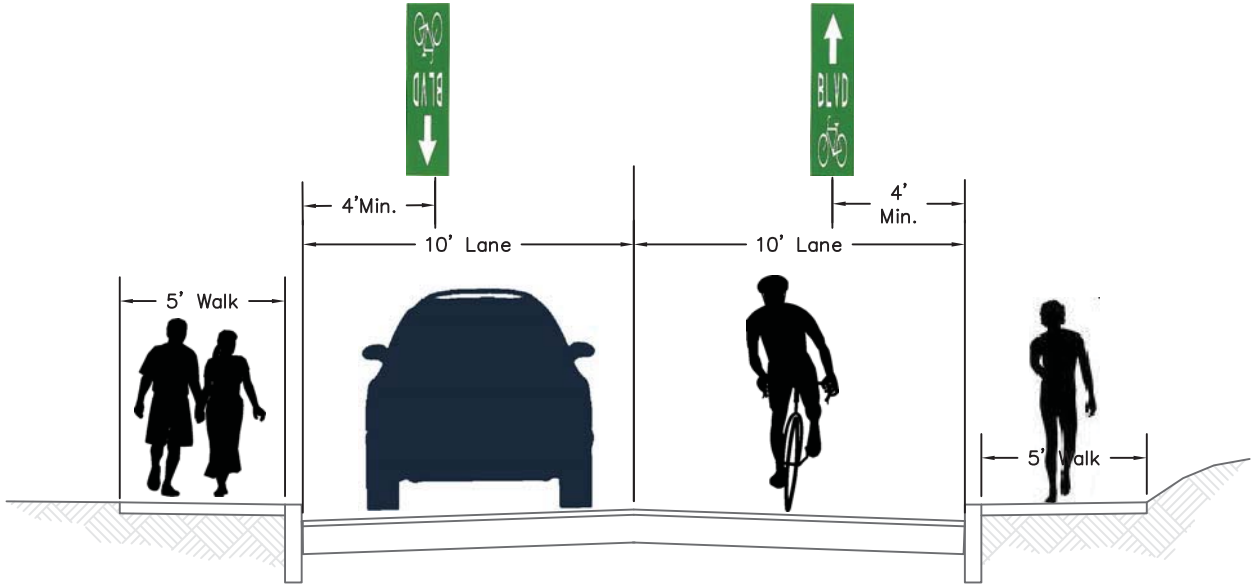
THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN


THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta
PLANNING + DESIGN
North
Diverter Hybrid
ONLY
EXCEPT BICYCLES
STOP
HERE TO PEDESTRIANS
BLVD
32'-3½"
Raised Center Islands
S WALNUT ST "NB"
W ALLEN ST
BOB'S RADIATOR
20'-11"
56'-5½"
11'-4"
11'-0½"
11'-2½"
11'-4½"

Scale 1"=30'



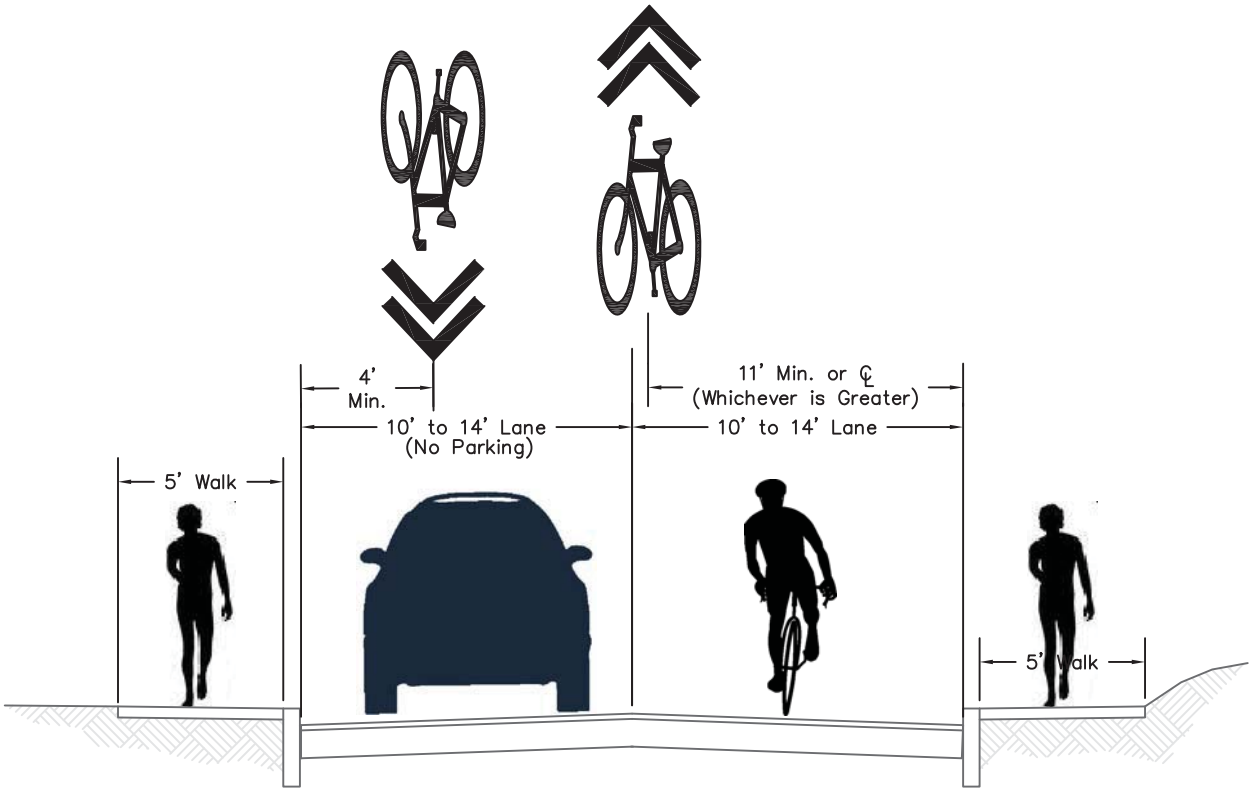
TYPICAL SECTION "F" INTERSECTION

S. WALNUT STREET TO LINCOLN STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



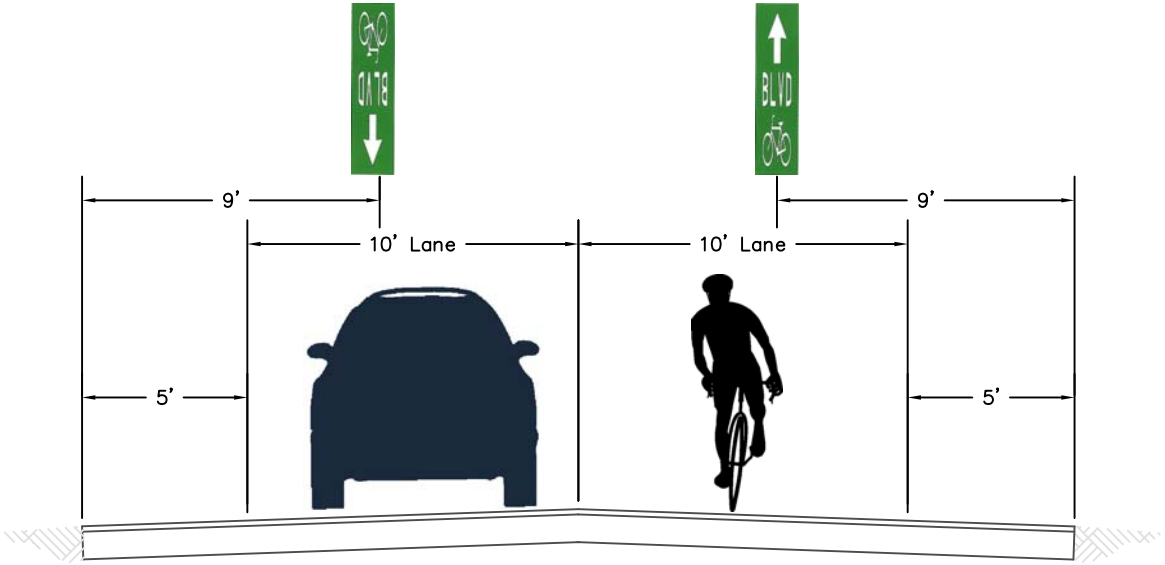
TYPICAL SECTION "F" MID-BLOCK

S. WALNUT STREET TO LINCOLN STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



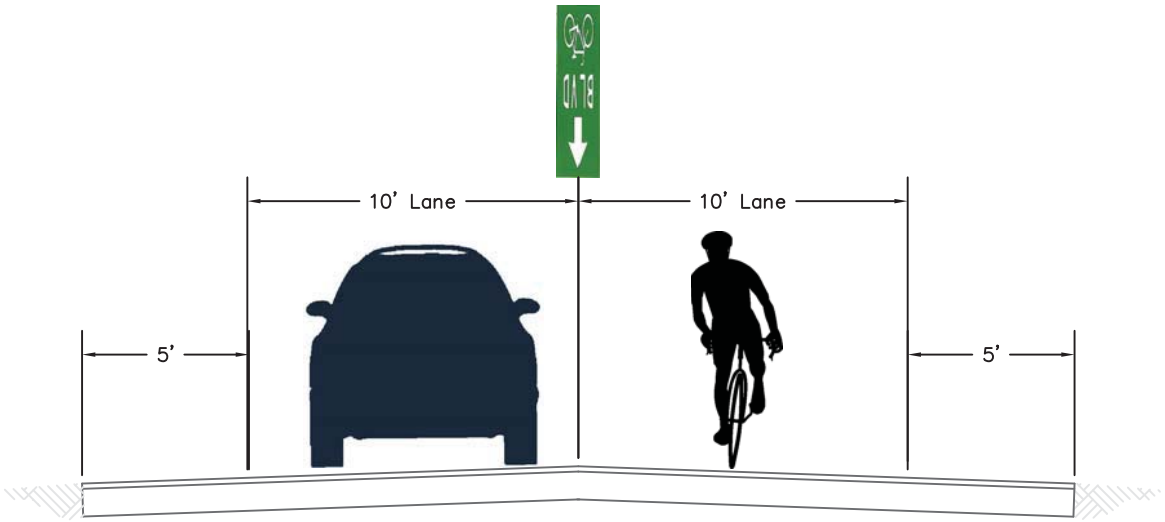
TYPICAL SECTION "G" INTERSECTION

S LINCOLN STREET TO S HENDERSON STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



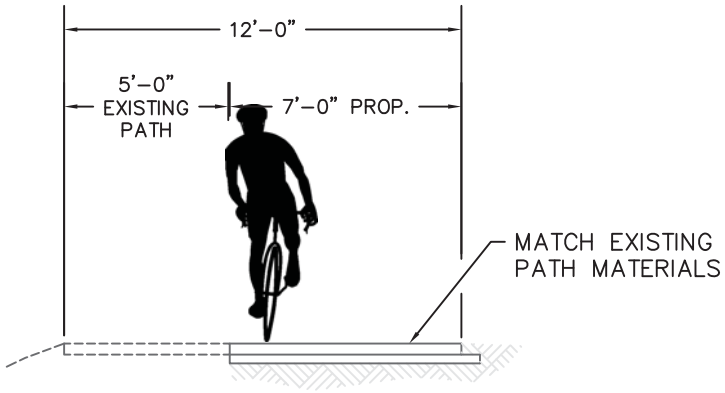
TYPICAL SECTION "G" MID-BLOCK

S LINCOLN STREET TO S HENDERSON STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



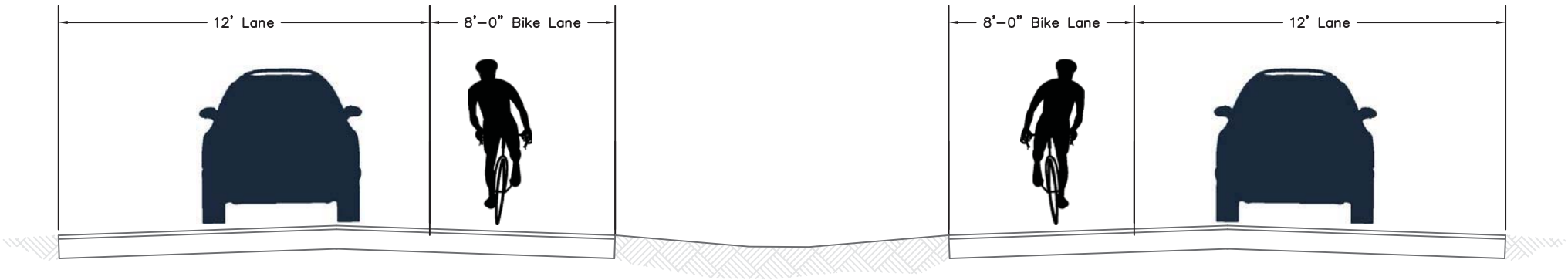
TYPICAL SECTION "H"

BRYAN PARK

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



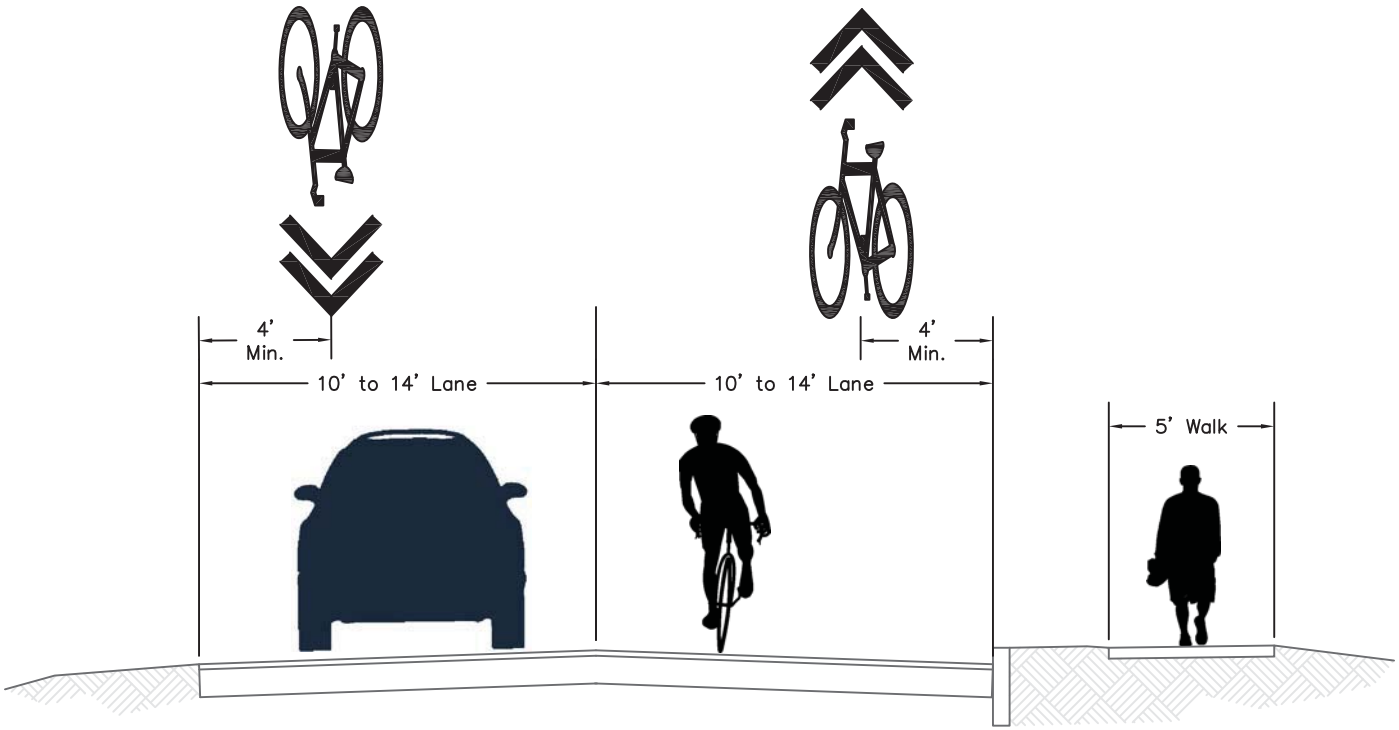
TYPICAL SECTION "I"

S WOODLAWN AVENUE TO S JORDAN AVE.

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



TYPICAL SECTION "J" INTERSECTION

MITCHELL STREET, RUBY LANE, NANCY STREET & HIGH STREET TO NOTA ROAD

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

High Street - Allen/Covenanter Bike Boulevard

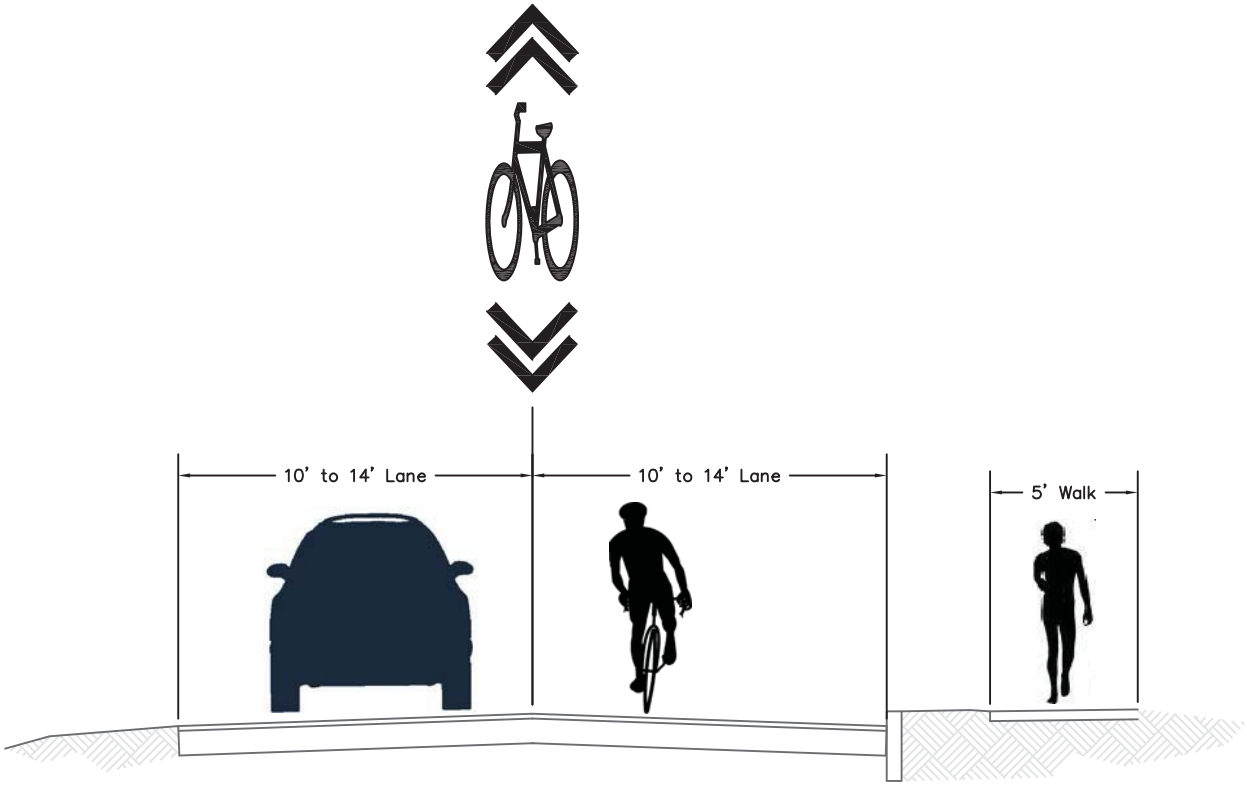
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: October, 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



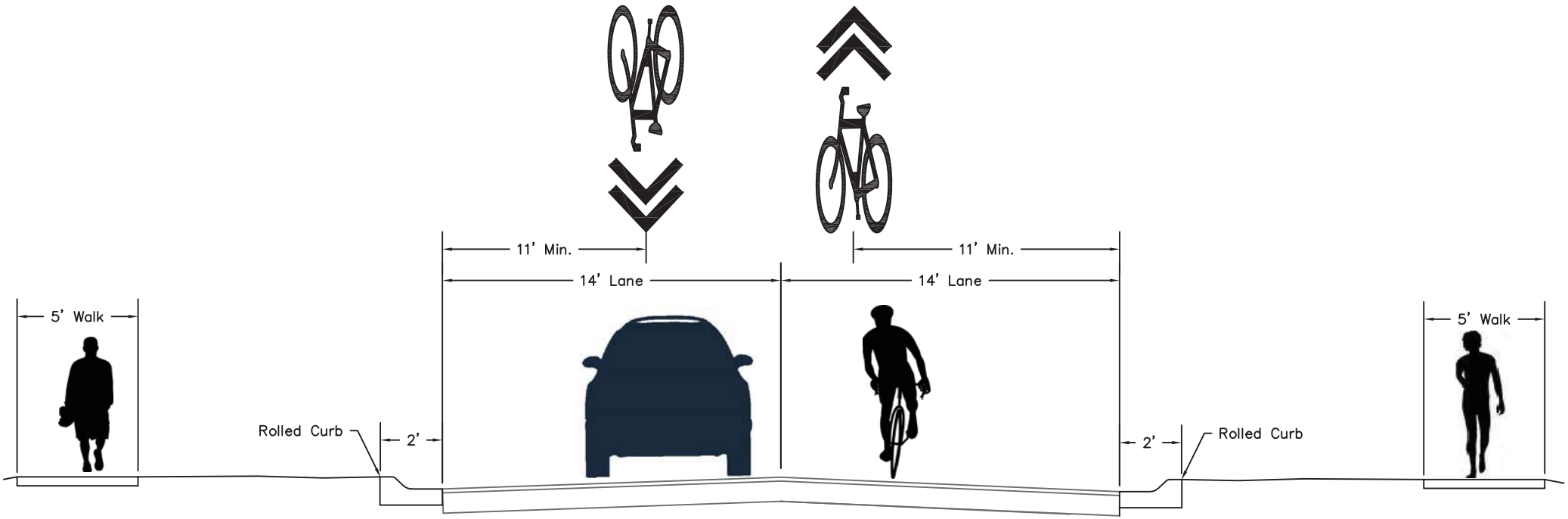
TYPICAL SECTION "J" MID-BLOCK

MITCHELL STREET, RUBY LANE, NANCY STREET &
CONVENANTER FROM HIGH STREET TO NOTA ROAD

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



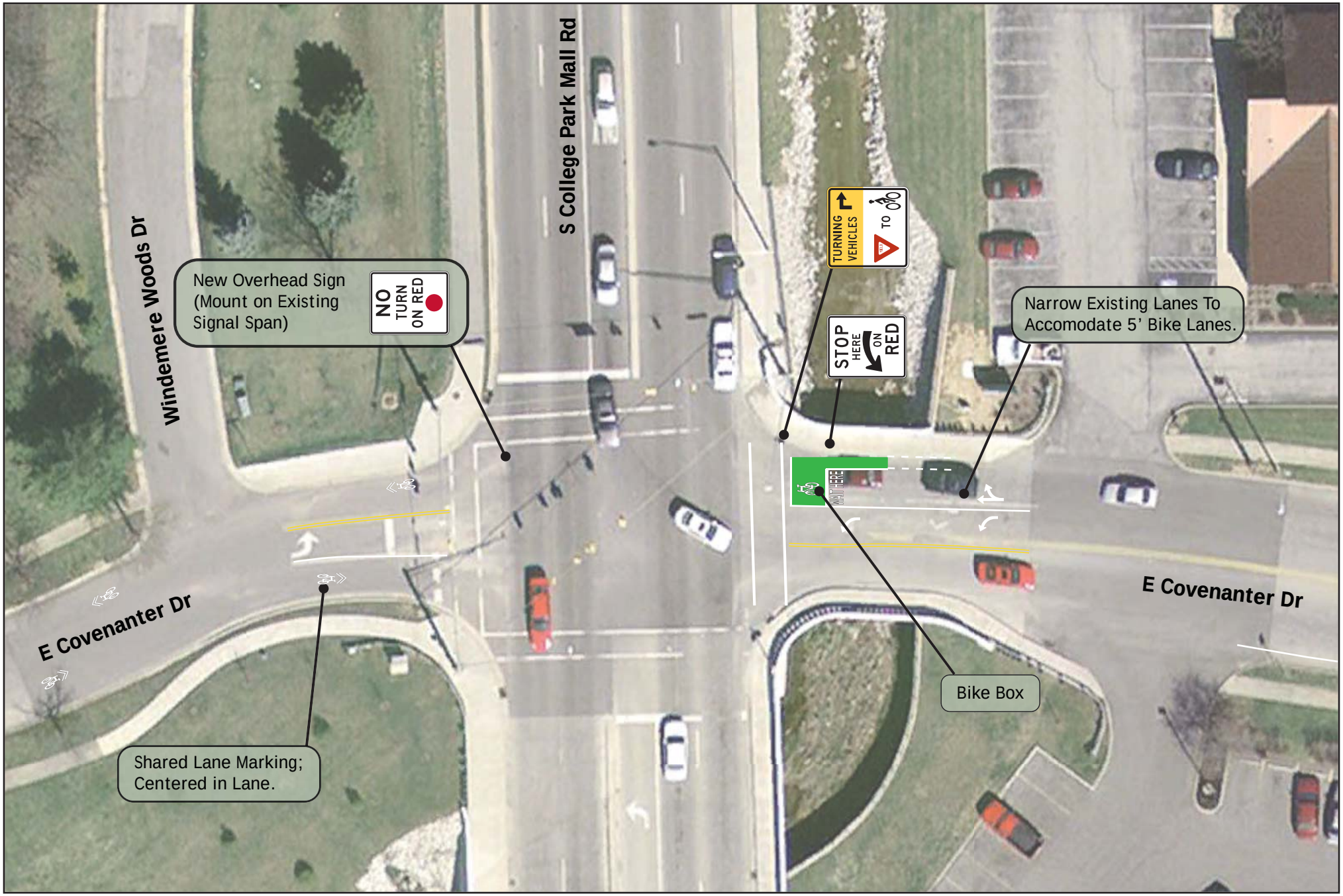
TYPICAL SECTION "K"

NOTA ROAD TO S COLLEGE MALL ROAD

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



College Mall Intersection - Allen/Covenanter Bike Boulevard

Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: October, 2011

THE CITY OF BLOOMINGTON

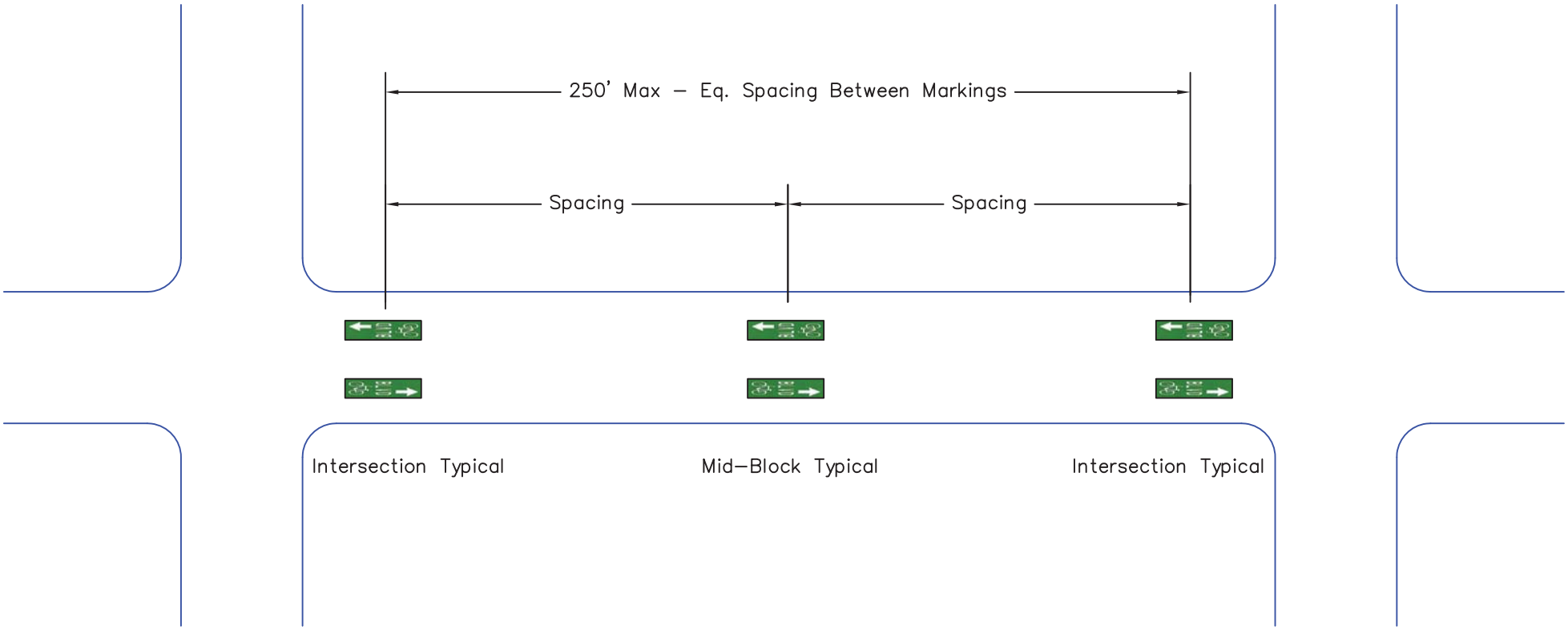
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

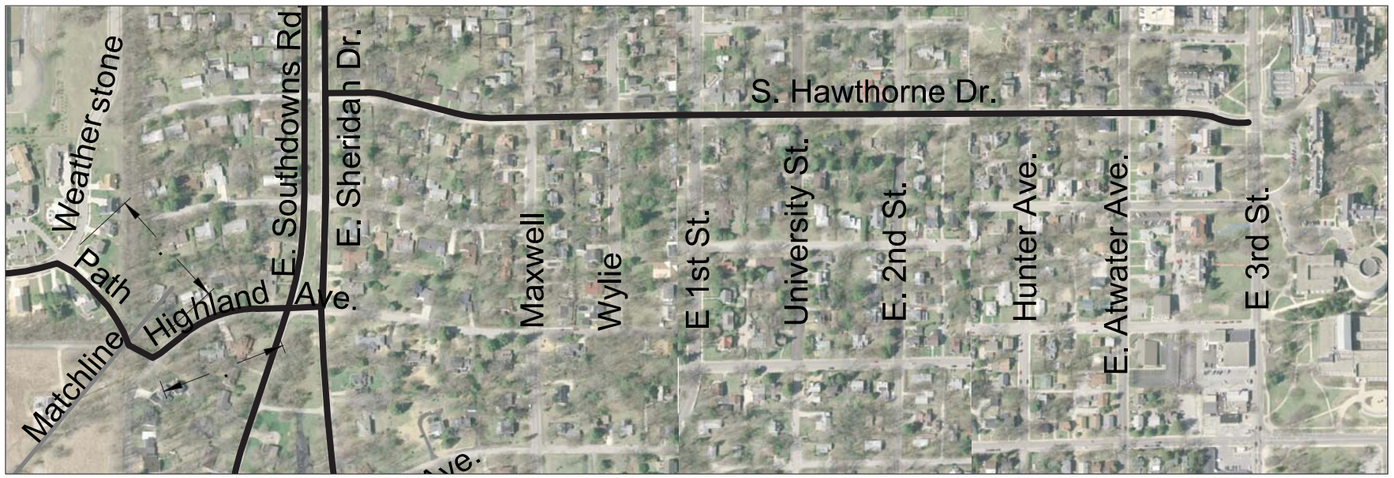
THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



TYPICAL LAYOUT FOR PAVEMENT MARKING PANELS



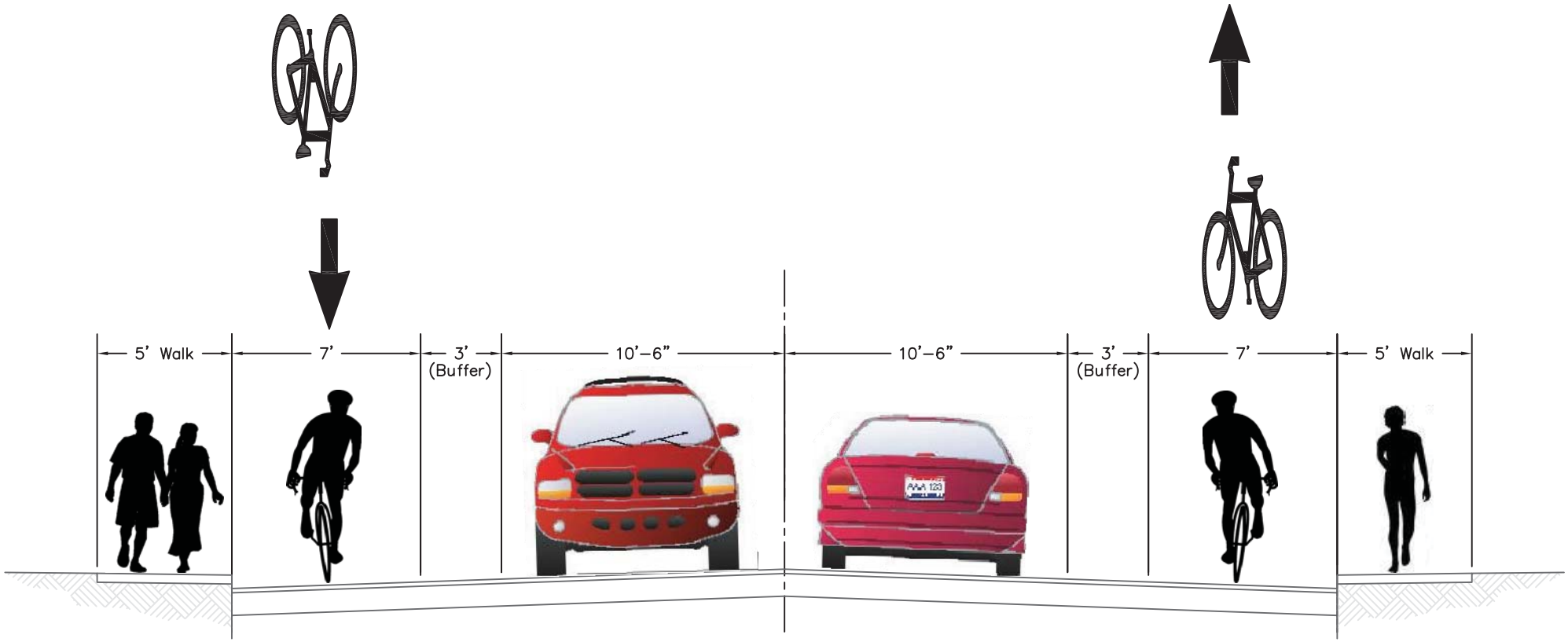
THE CITY OF BLOOMINGTON
Mark Kruzan, Mayor

DESIGNED: JLC	DRAWN: BJD
CHECKED: CH	CHECKED: JLC

HIGHLAND/HAWTHORNE
KEY MAP – INTERSECTION DETAILS

HORIZONTAL SCALE 1"=250' (Full Size "D")	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS of
CONTRACT	PROJECT

foster – May 08, 2012 – 12:17pm P:\PR50635\cadd\02-HH\02-HH Location Map.dwg



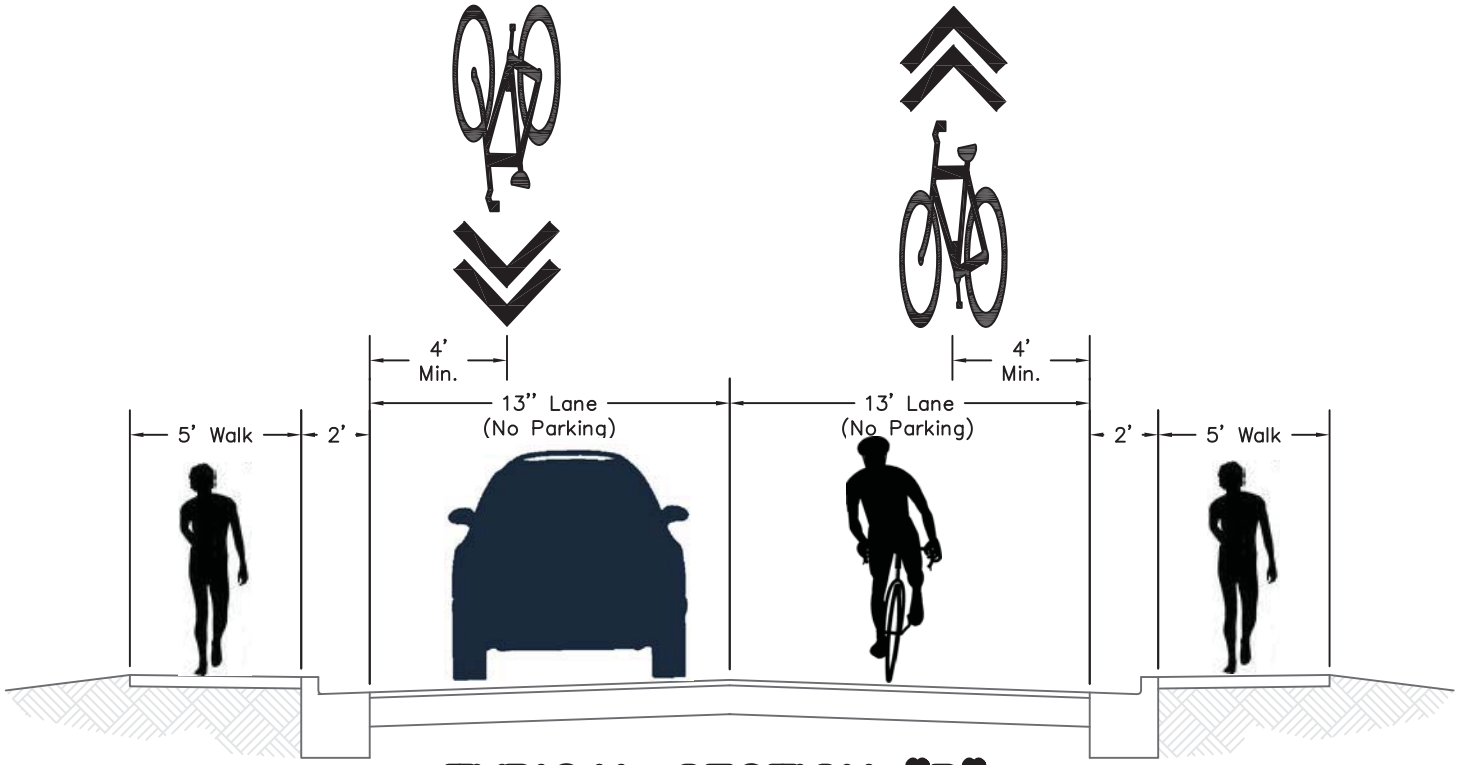
TYPICAL SECTION "A"

WINSLOW ROAD TO MILLER DRIVE

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



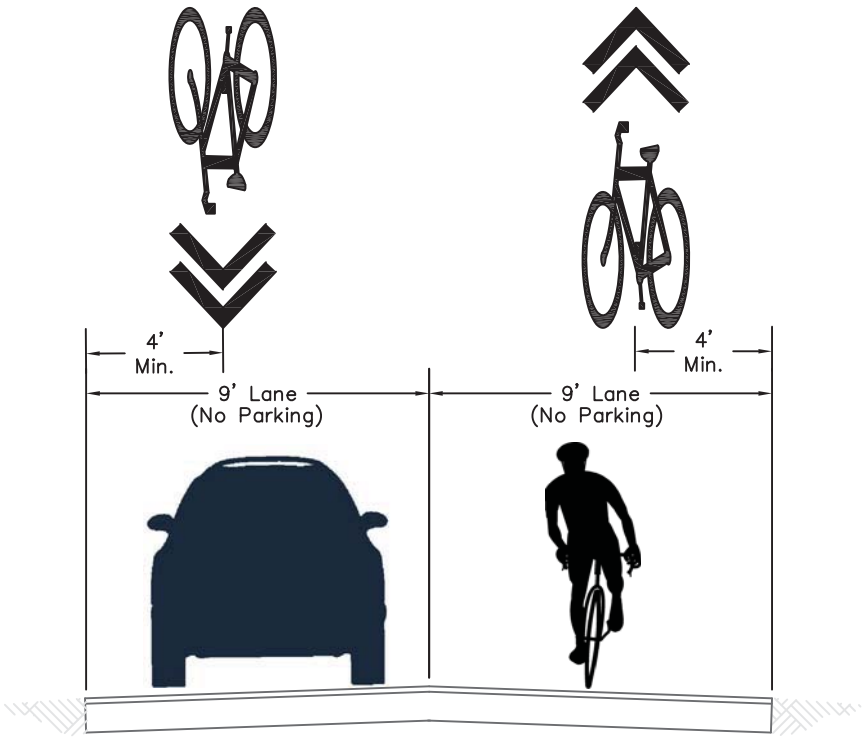
TYPICAL SECTION "B"

MILLER DRIVE

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



TYPICAL SECTION "C"

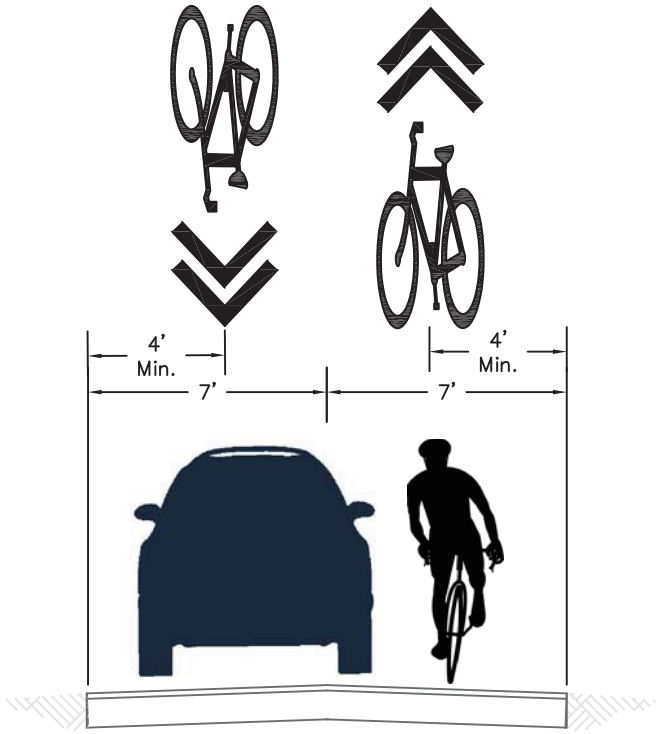
OLIVE STREET – MILLER DRIVE TO THORTON DRIVE

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

NOTE: Sharrow Markings to be staggered.



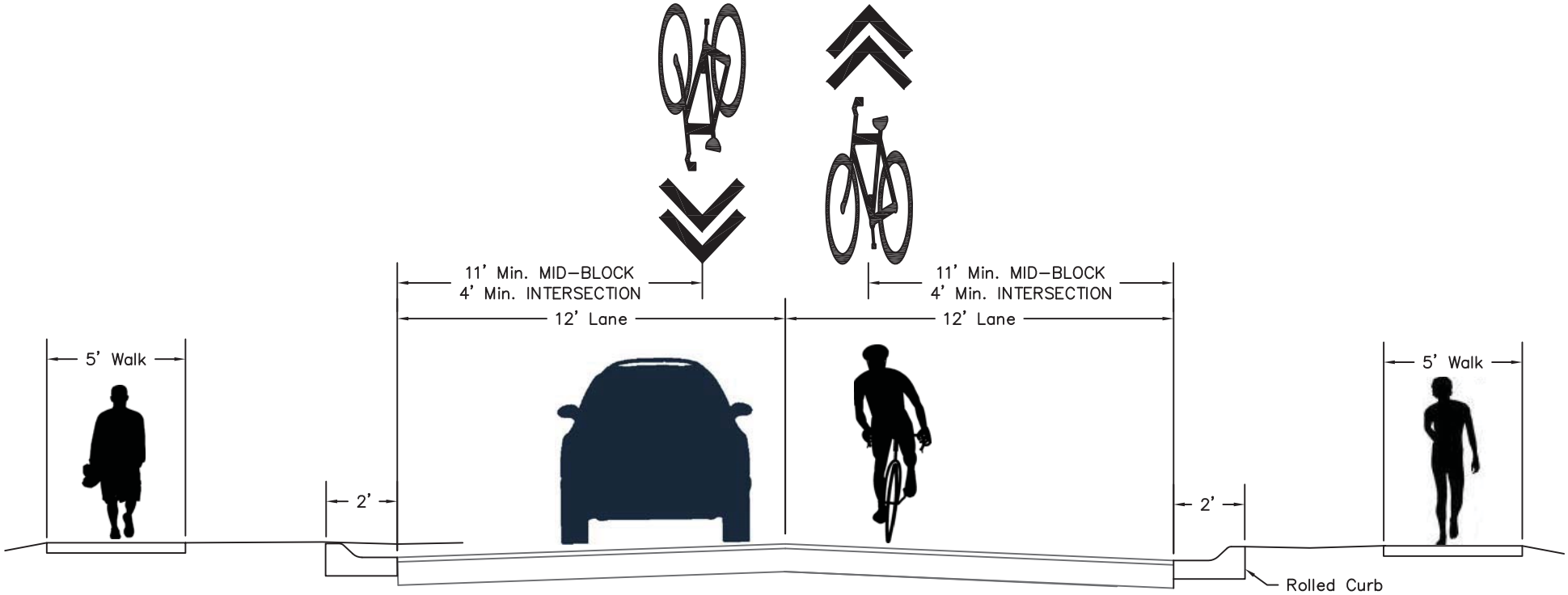
TYPICAL SECTION "D"

OLIVE STREET – THORNTON DRIVE TO HILLSIDE DRIVE

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



TYPICAL SECTION "E"

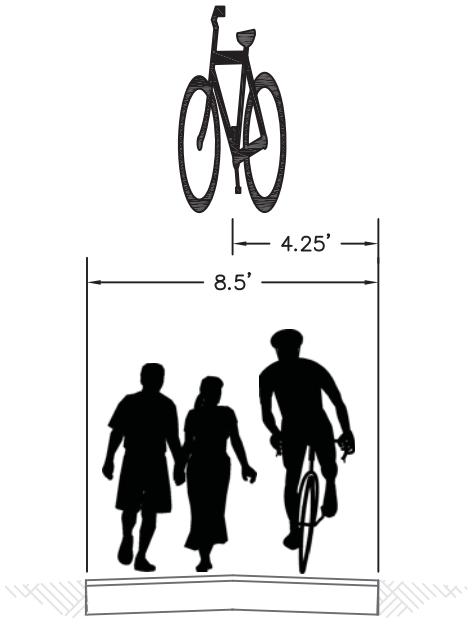
WEATHERSTONE LANE – HILLSIDE DRIVE TO CONNECTOR PATH

Note:
Stagger Mid-Block Needed.

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



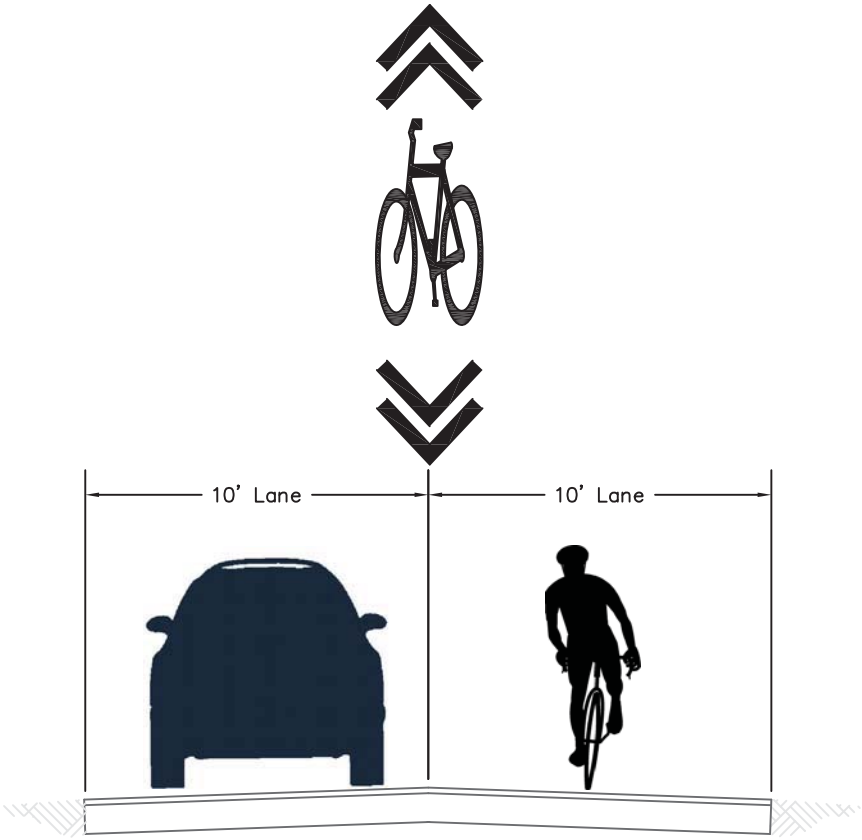
TYPICAL SECTION "F"

CONNECTOR PATH BETWEEN WEATHERSTONE LANE & TARZIAN LANE

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

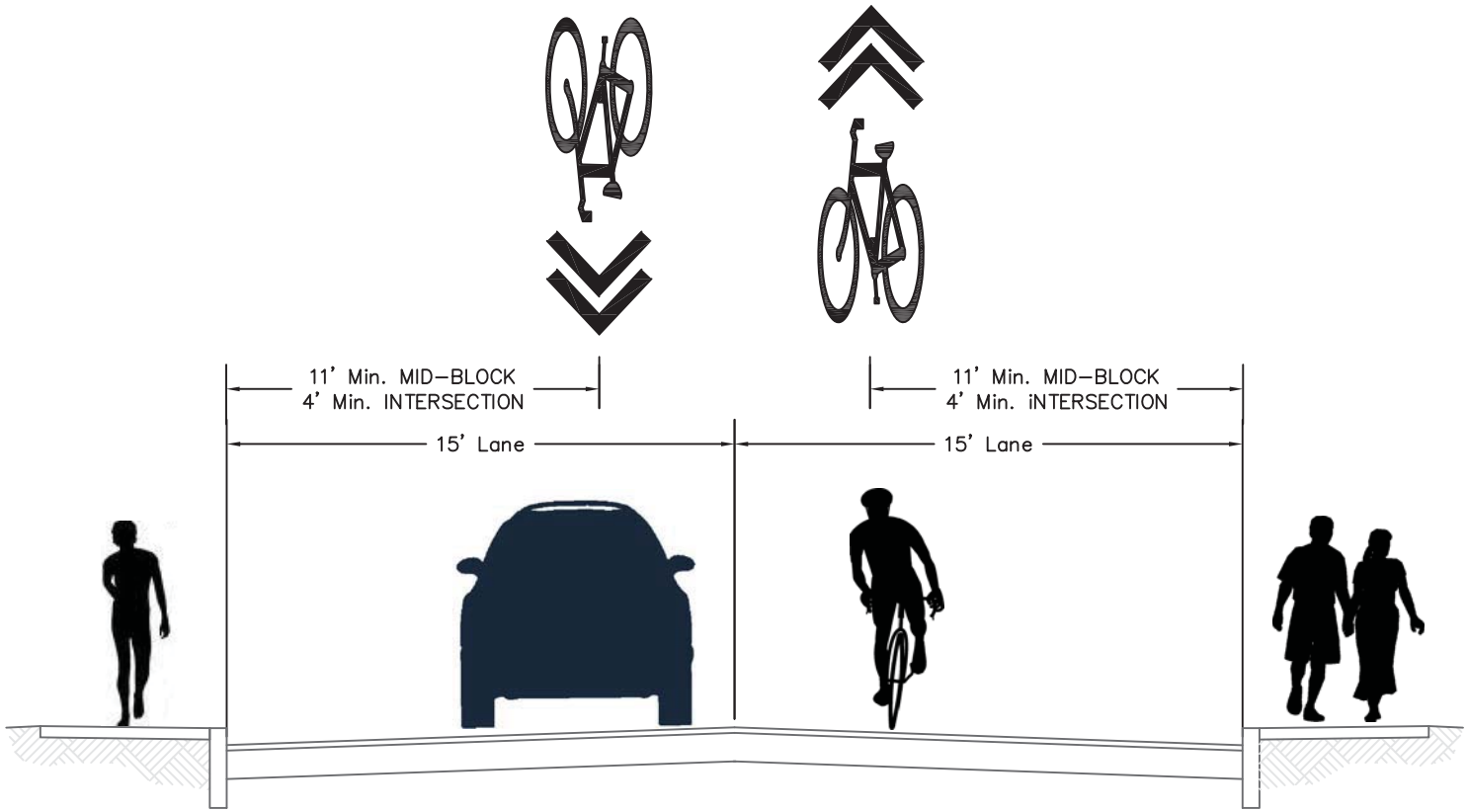
alta PLANNING + DESIGN



TYPICAL SECTION "G"

TARZIAN LANE – CONNECTOR PATH TO HIGHLAND AVENUE
HIGHLAND AVENUE – TARZIAN LANE TO SHERIDAN DRIVE
HAWTHORNE DRIVE – SHERIDAN DRIVE TO MAXWELL LANE

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta
PLANNING + DESIGN



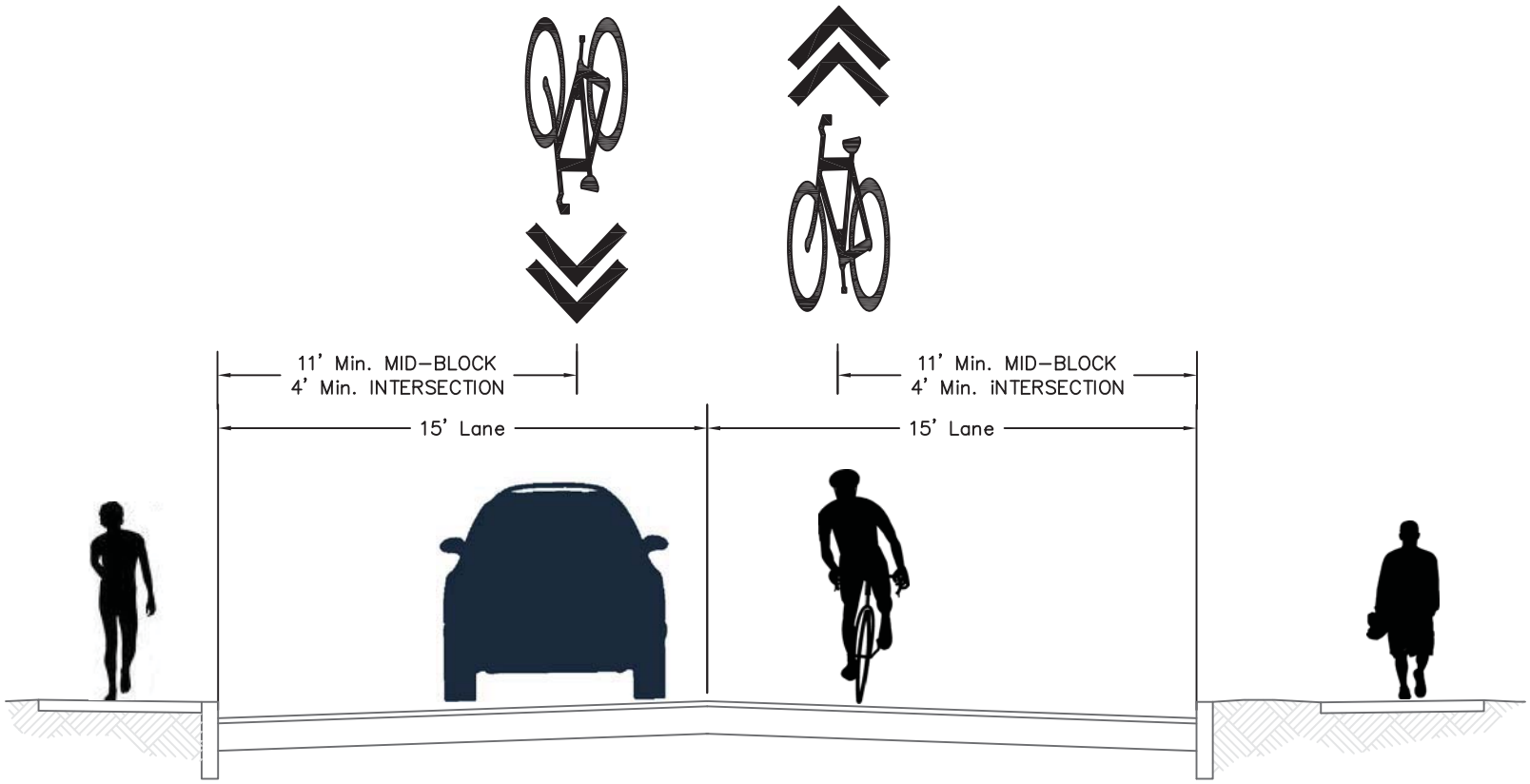
TYPICAL SECTION "H"

HAWTHORNE DRIVE – MAXWELL LANE TO 1st STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



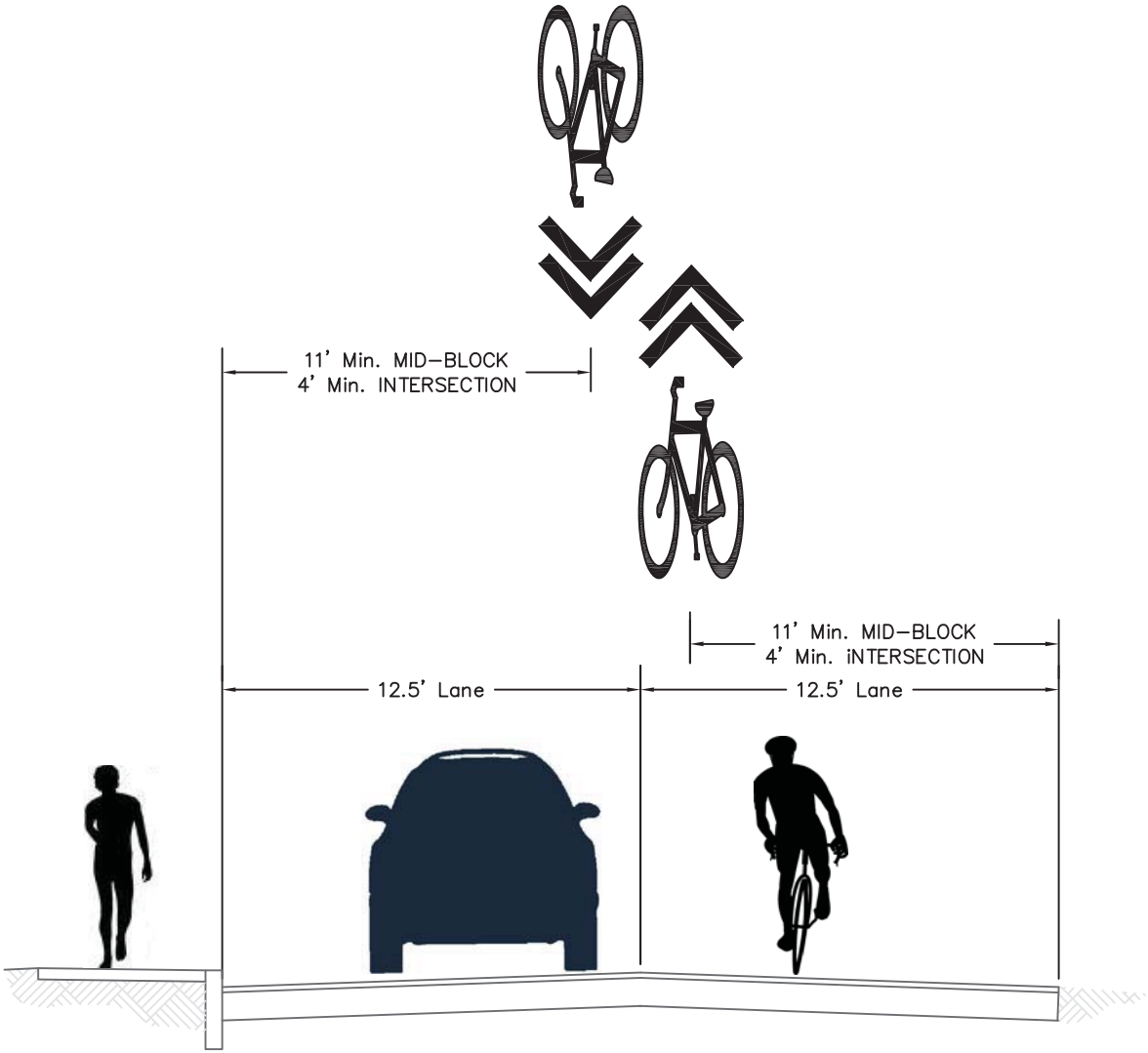
TYPICAL SECTION "1"

HAWTHORNE DRIVE – 1st STREET TO UNIVERSITY STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



TYPICAL SECTION "J"

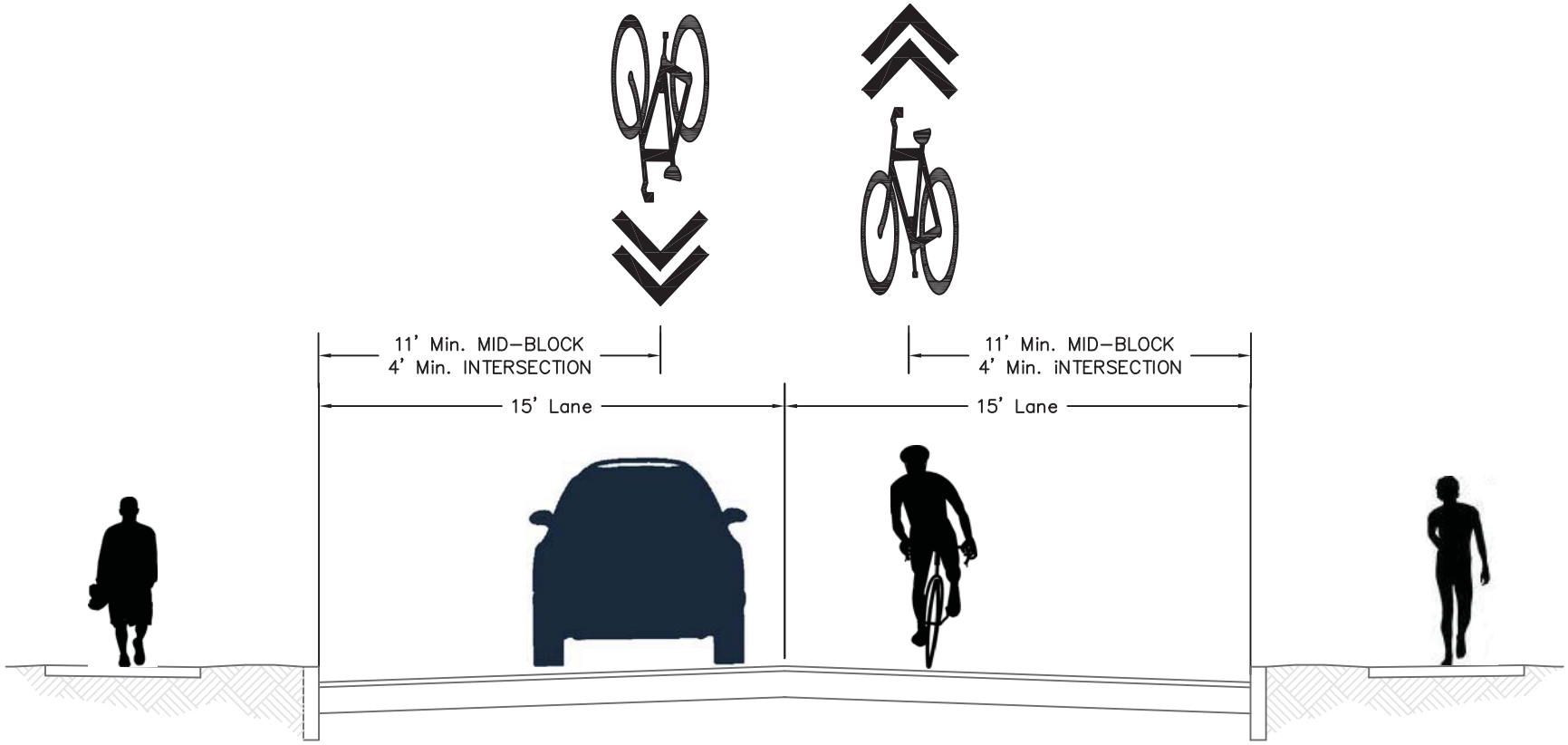
HAWTHORNE DRIVE – UNIVERSITY STREET TO 2nd STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

NOTE:
Stagger Markings as Needed.



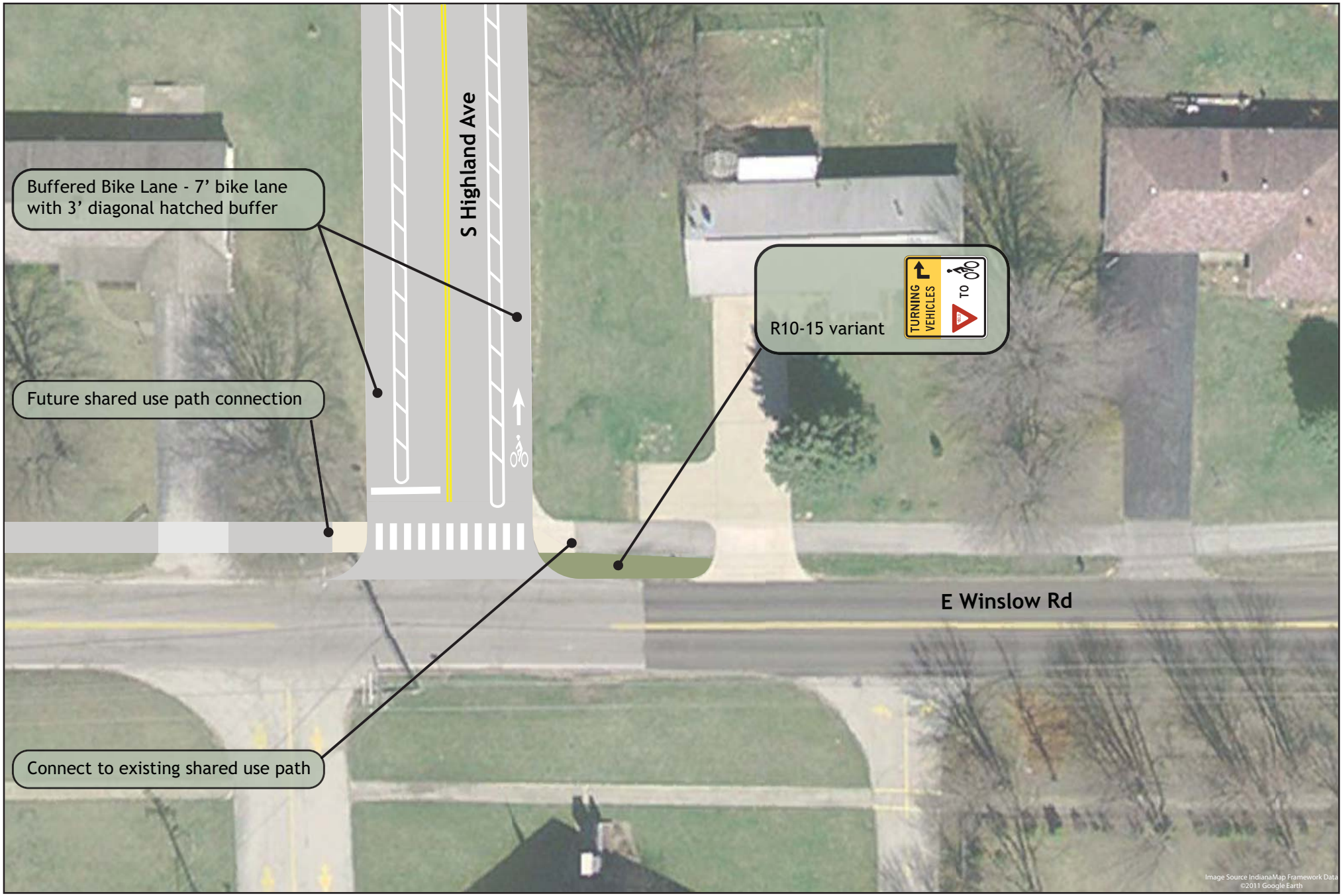
TYPICAL SECTION "K"

HAWTHORNE DRIVE – 2nd STREET TO 3rd STREET

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



Winslow Road - Highland/Hawthorne Bike Boulevard

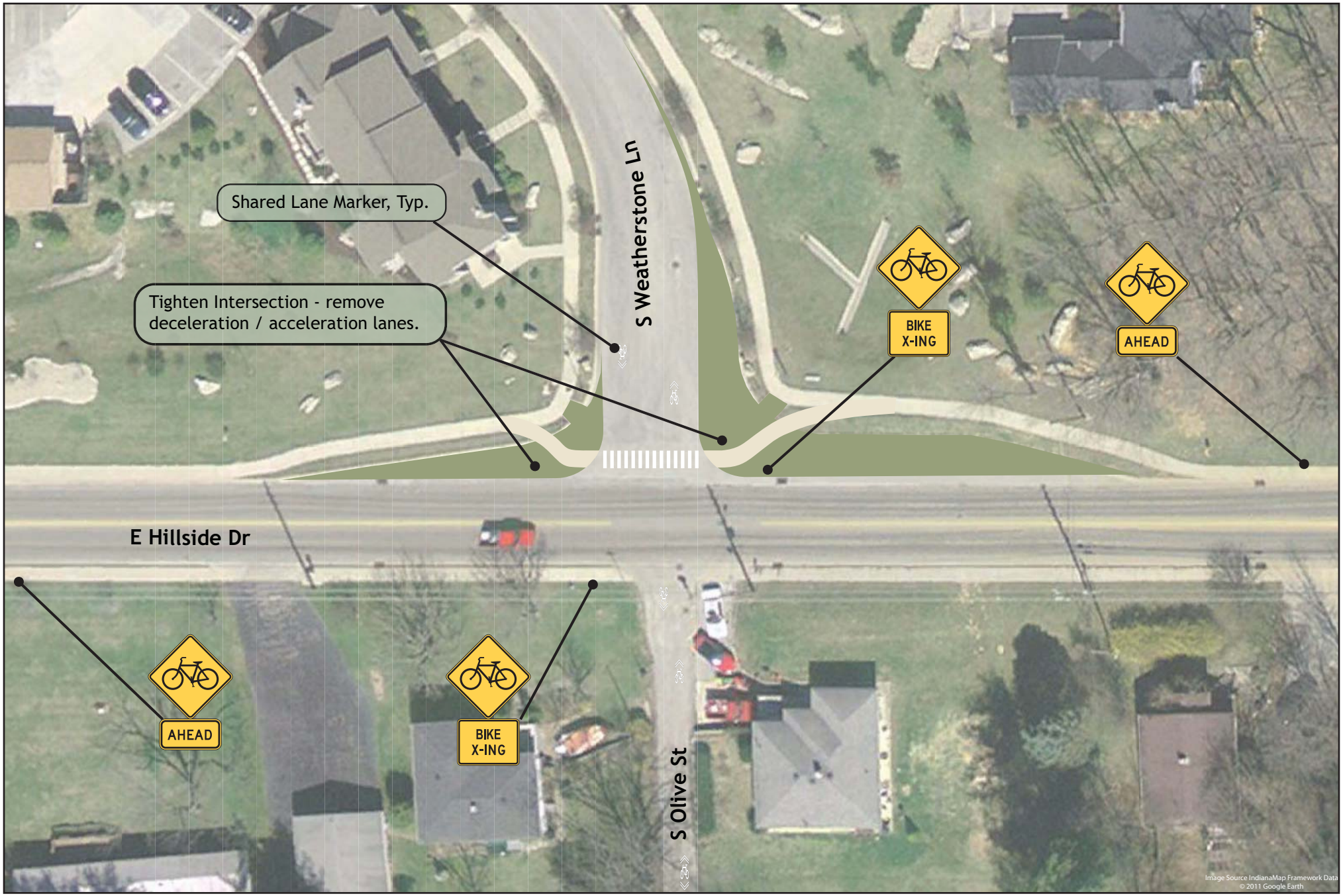
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: December, 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



Hillside Drive - Highland/Hawthorne Bike Boulevard

Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: November, 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

E 3rd to E Atwater - Highland/Hawthorne Bike Boulevard

Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: December, 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

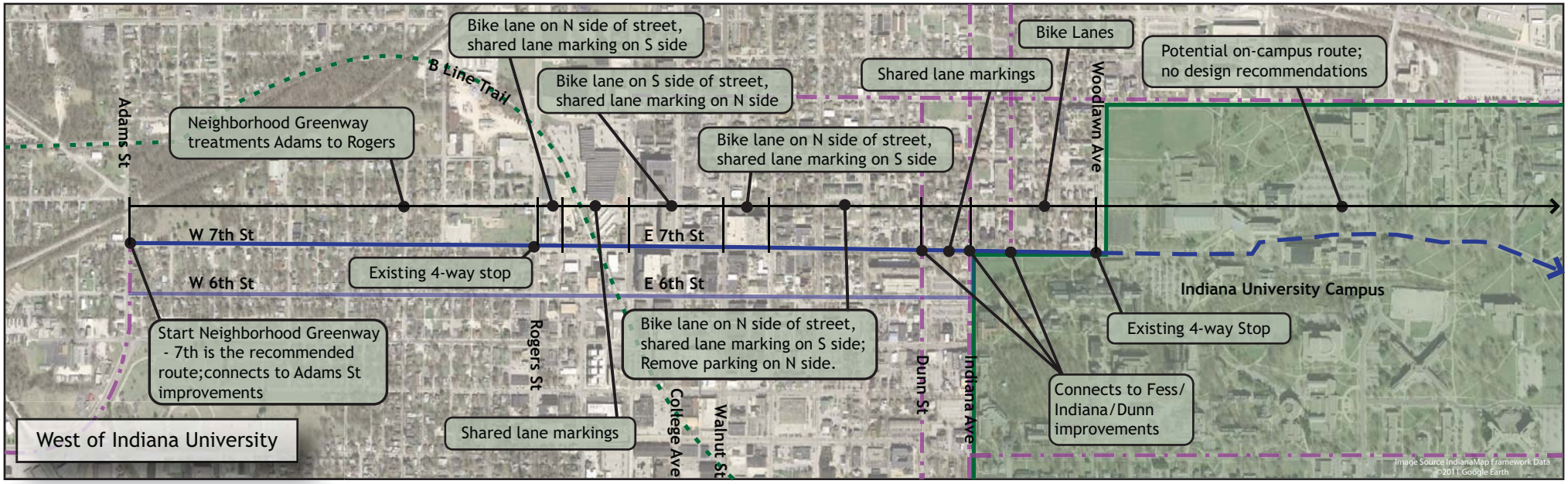
alta
PLANNING + DESIGN

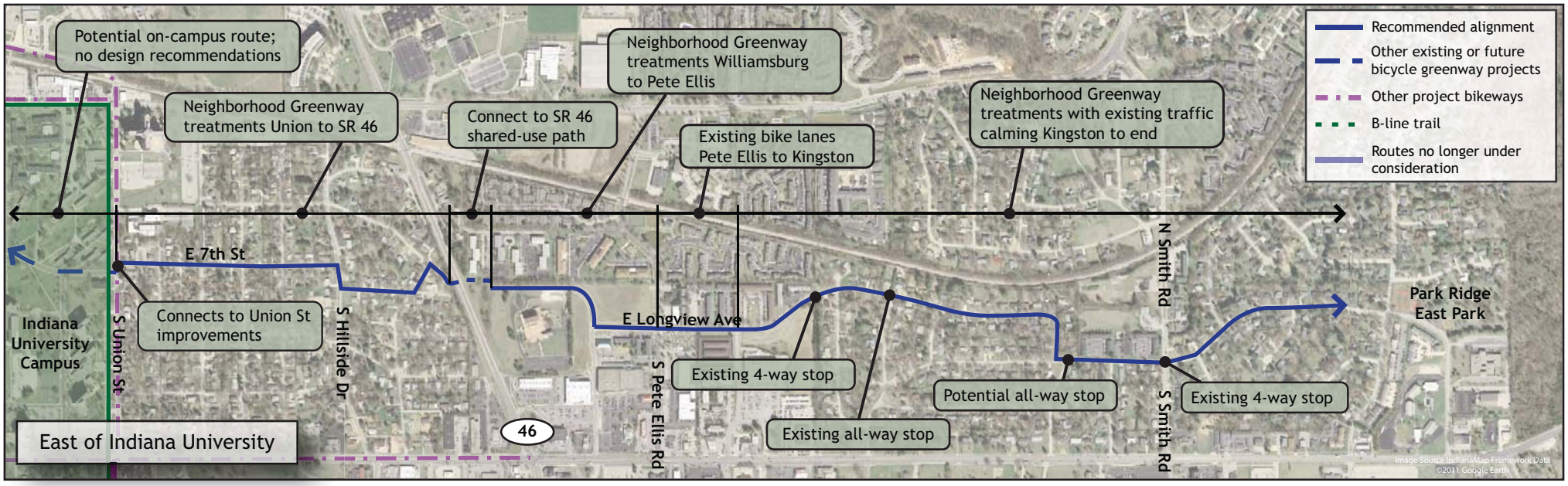
NOTE: Traffic Control at these Intersections to be Changed so Side Streets Stop for Hawthorne Drive, Allowing for Continuous Travel for Bicyclist.

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN





IM1 7th/Longview: 7th Street - Adams St to Smith Rd; Longview Avenue - Pete Ellis Rd to Smith Rd

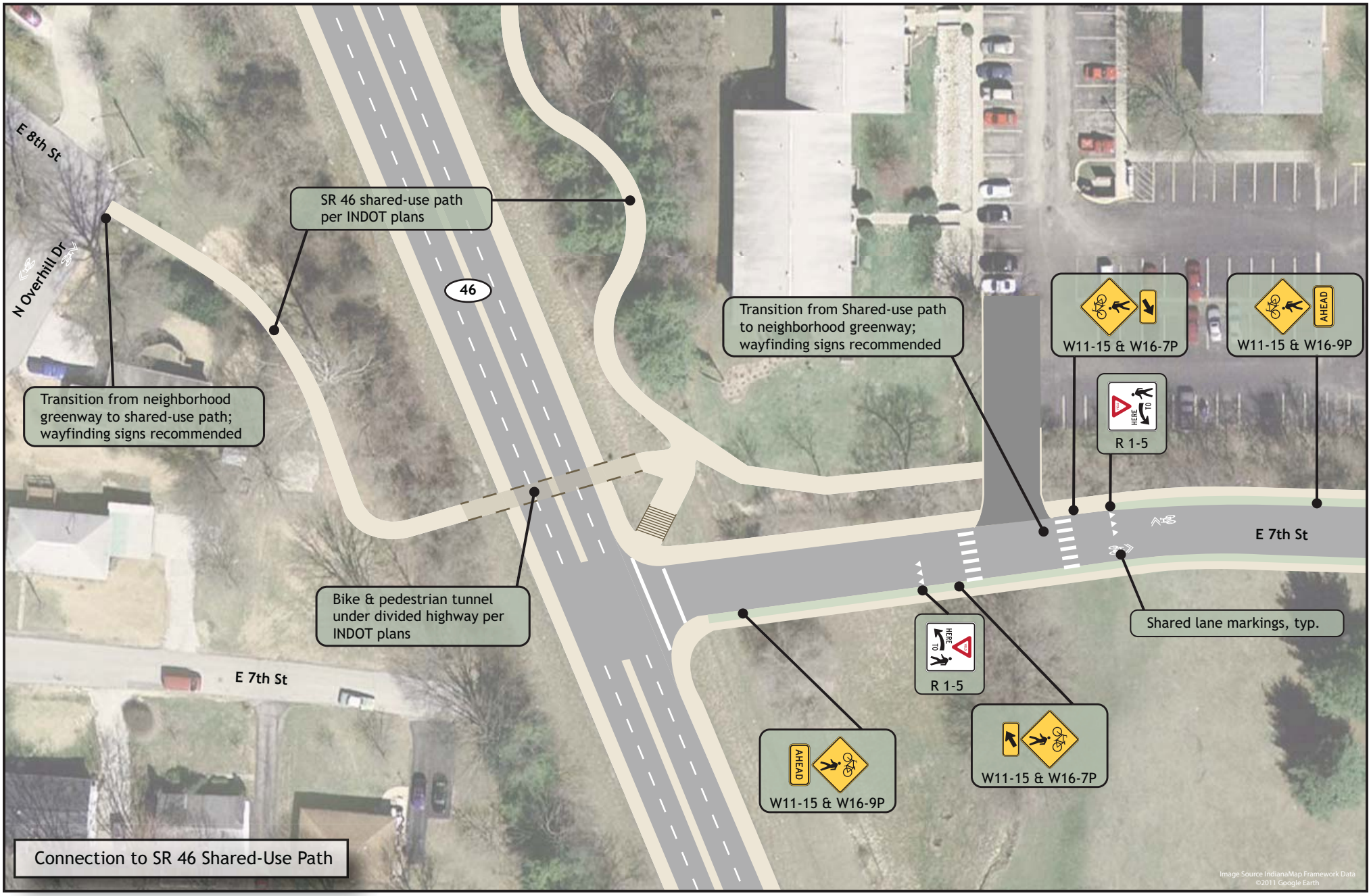
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



IM1 7th/Longview: 7th Street - Adams St to Smith Rd; Longview Avenue - Pete Ellis Rd to Smith Rd

Bloomington Bikeways Implementation Plan

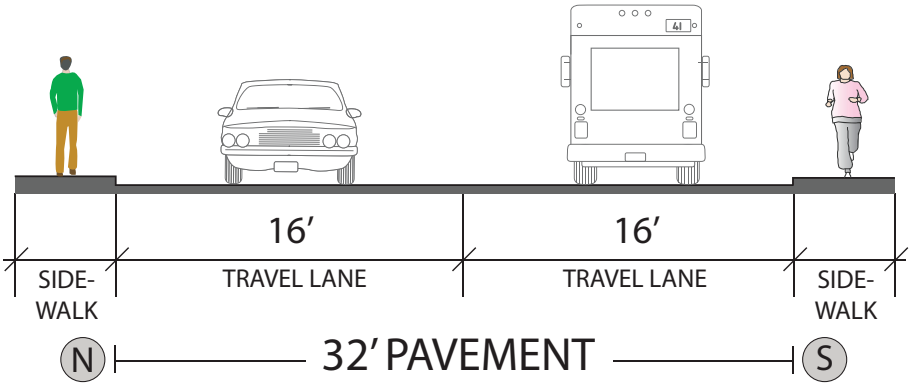
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

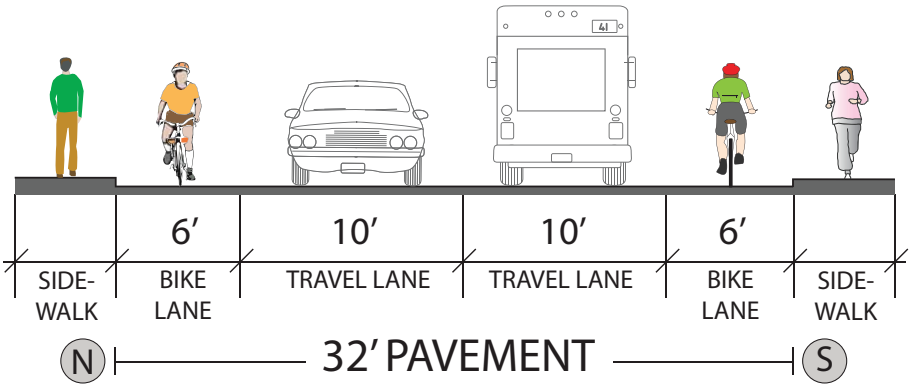
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

E 7th Street - Indiana Ave to Woodlawn Ave
Existing Roadway



E 7th Street - Indiana Ave to Woodlawn Ave
Proposed Bike Lanes



IM1 7th/Longview: 7th Street - Adams St to Smith Rd; Longview Avenue - Pete Ellis Rd to Smith Rd

Bloomington Bikeways Implementation Plan
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

IM2A South Adams: W 3rd St to W 7th St & IM2B West 3rd Street: S Landmark Ave to S Adams St

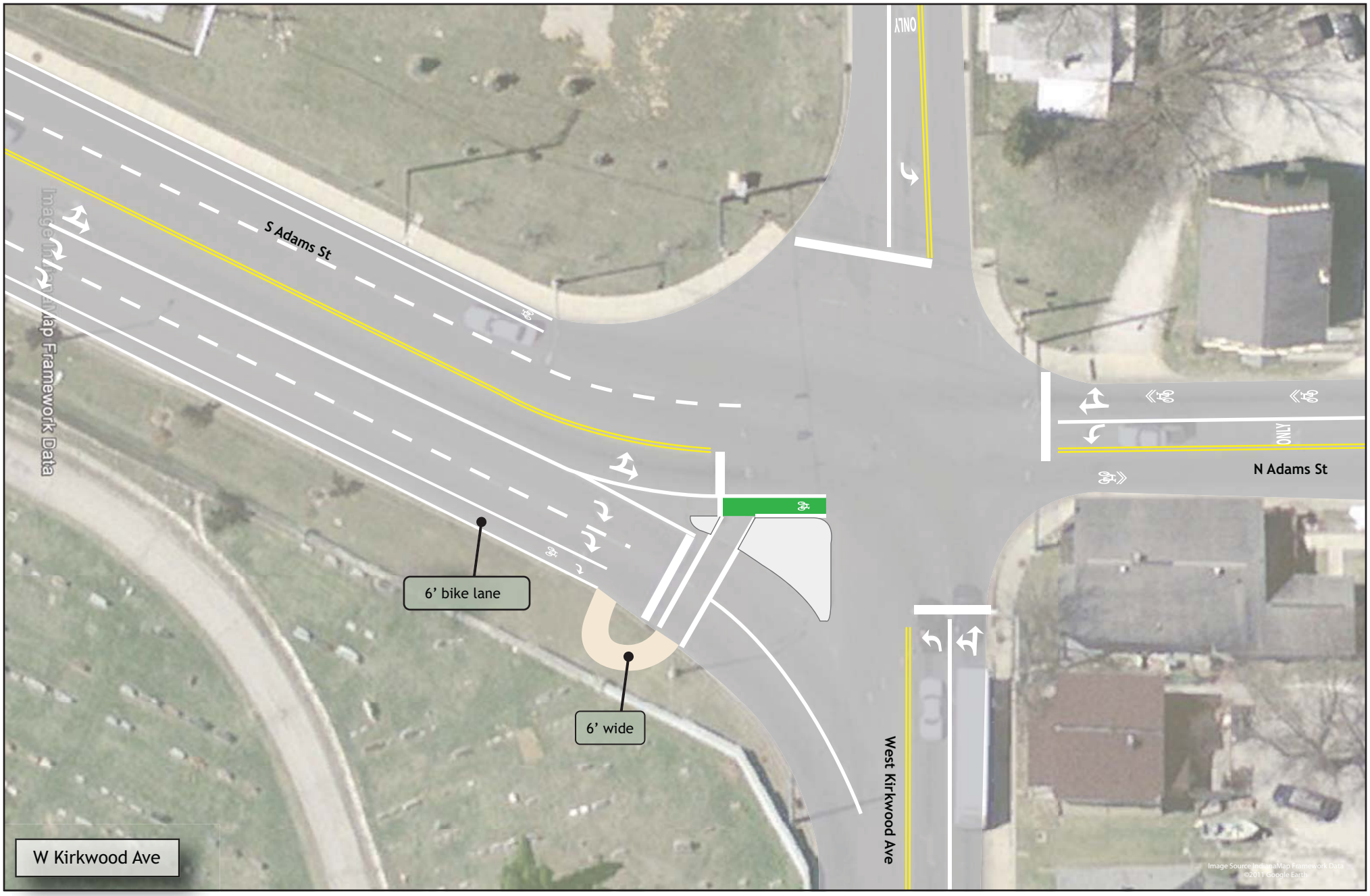
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



IM2A South Adams: W 3rd St to W 7th St

Bloomington Bikeways Implementation Plan

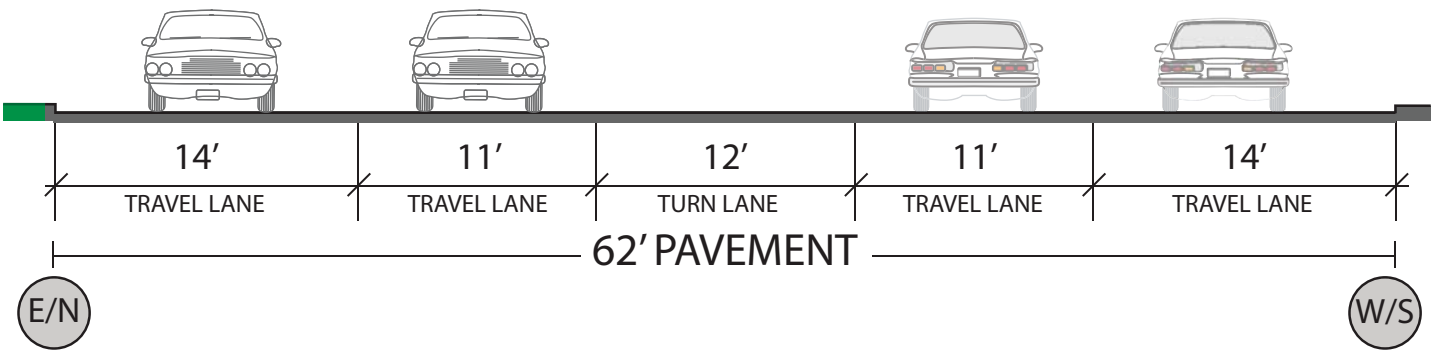
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

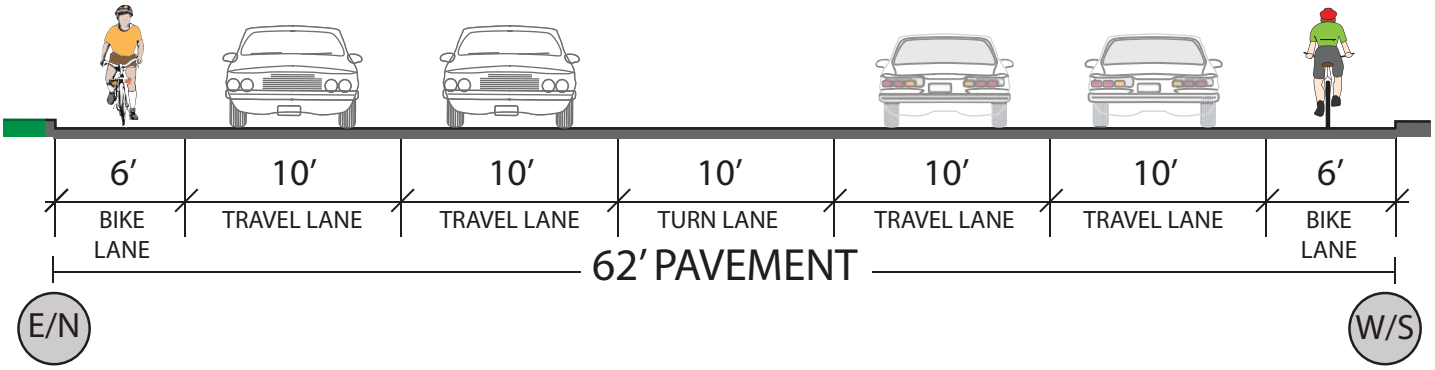
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

W 3rd Street and S Adams Street - Existing Condition



W 3rd St and S Adams Street - Proposed Bike Lanes



IM2A South Adams: W 3rd St to W 7th St;
IM2B West 3rd Street: S Landmark Ave to S Adams St

Bloomington Bikeways Implementation Plan
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

IM3C 19th Street: N Walnut St to N Dunn St

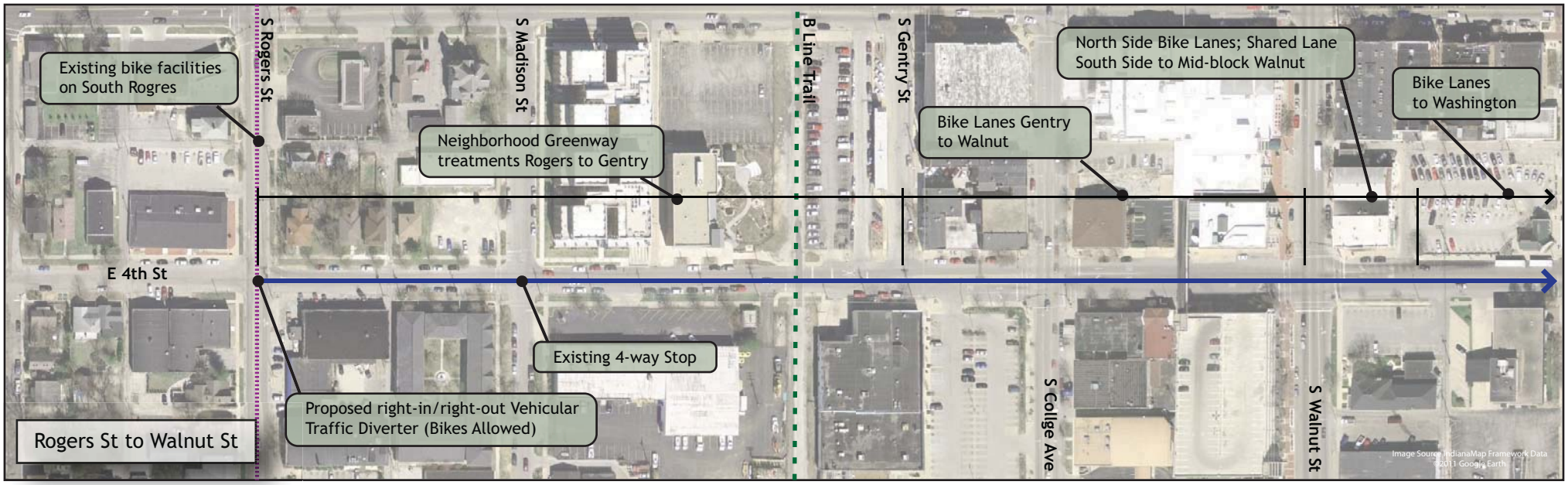
Bloomington Bikeways Implementation Plan

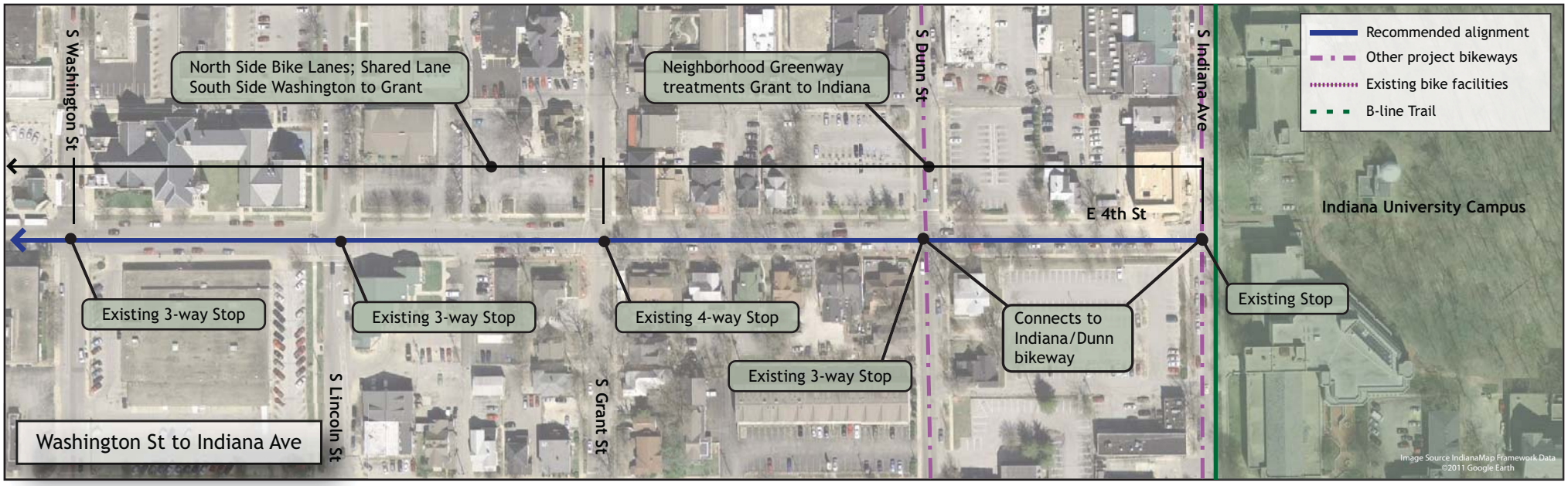
Source: Google Earth Aerial
Author: RW
Date: March 2011

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN





IM4 4th Street: Rogers St to Indiana Ave

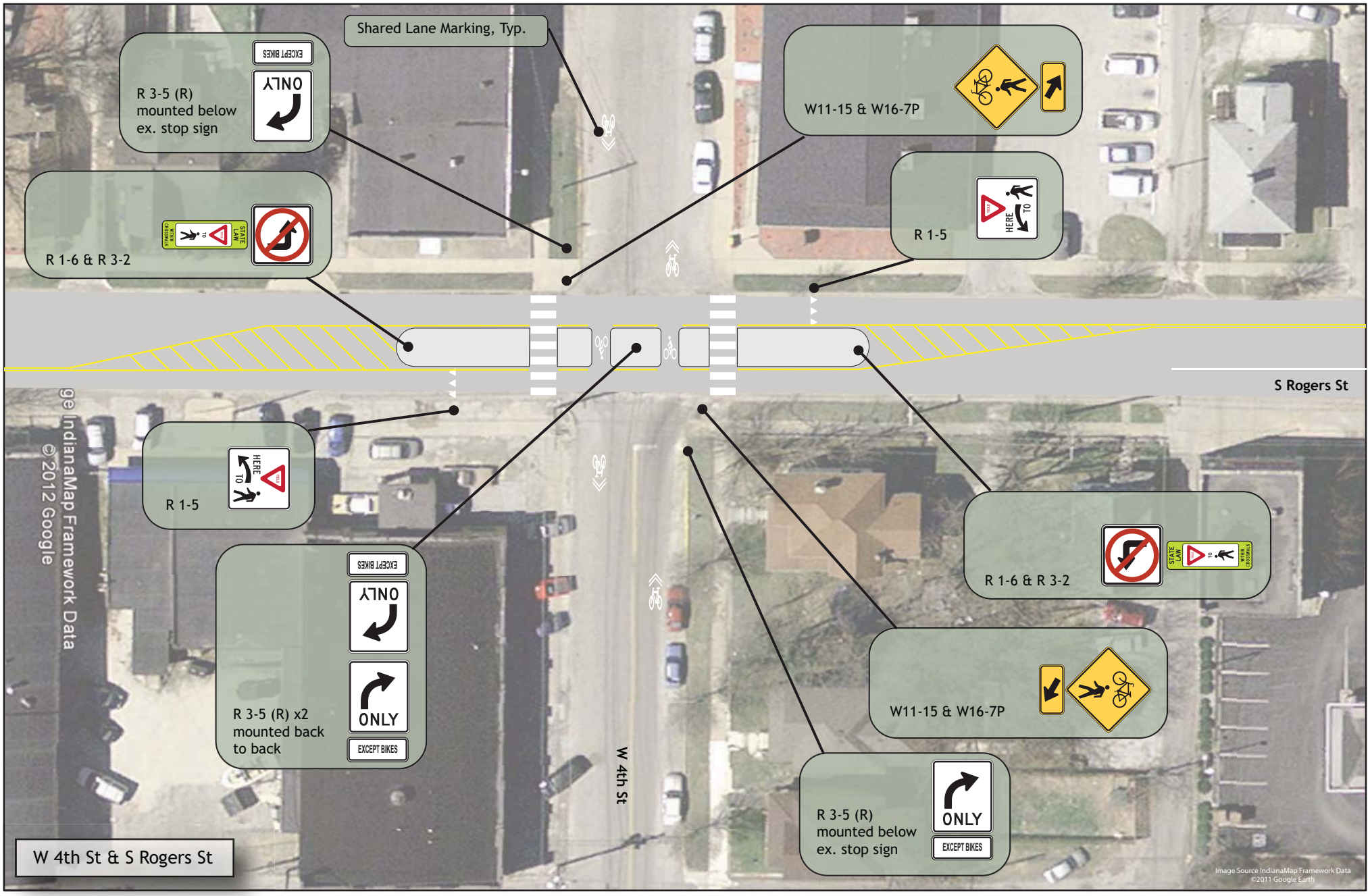
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



IM4 4th Street: Rogers St to Indiana Ave

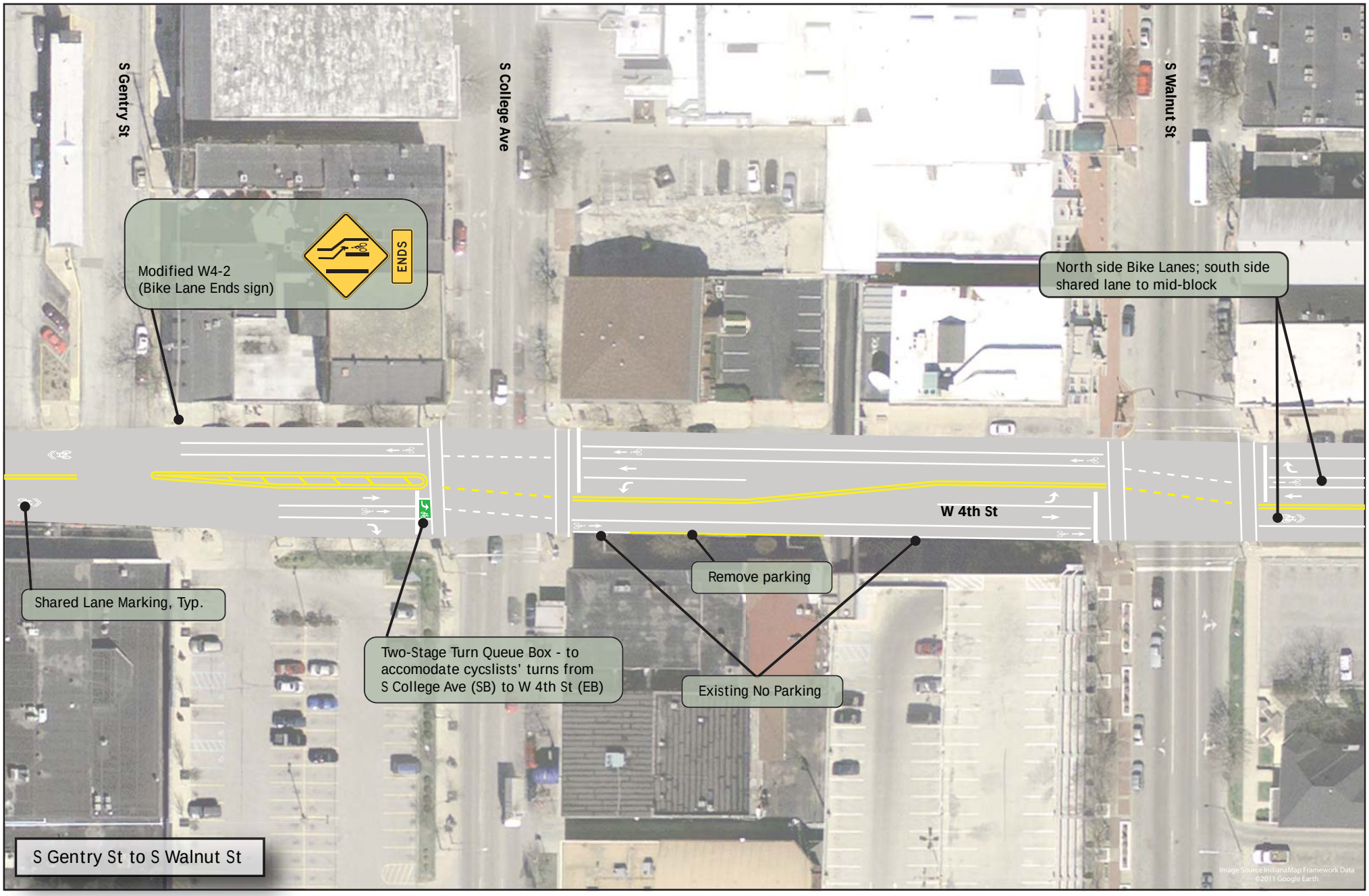
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



IM4 4th Street: Rogers St to Indiana Ave

Bloomington Bikeways Implementation Plan

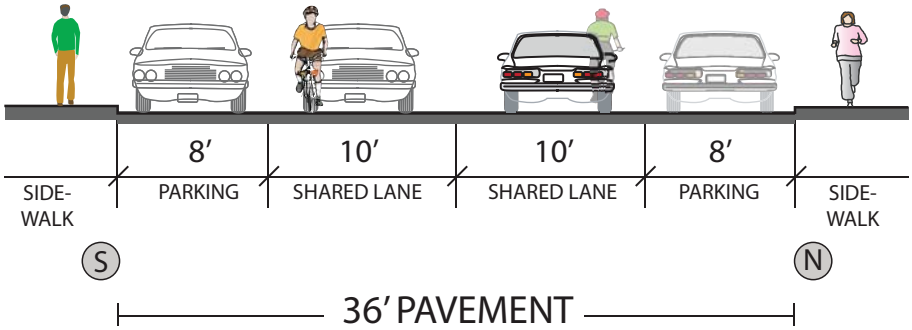
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

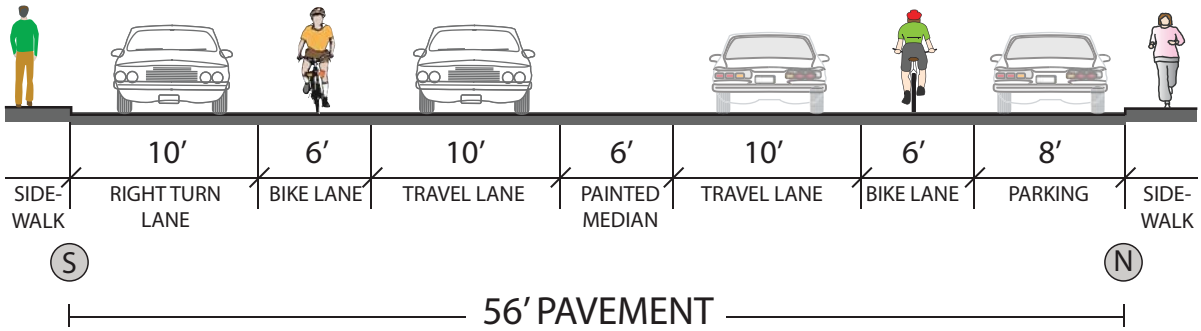
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

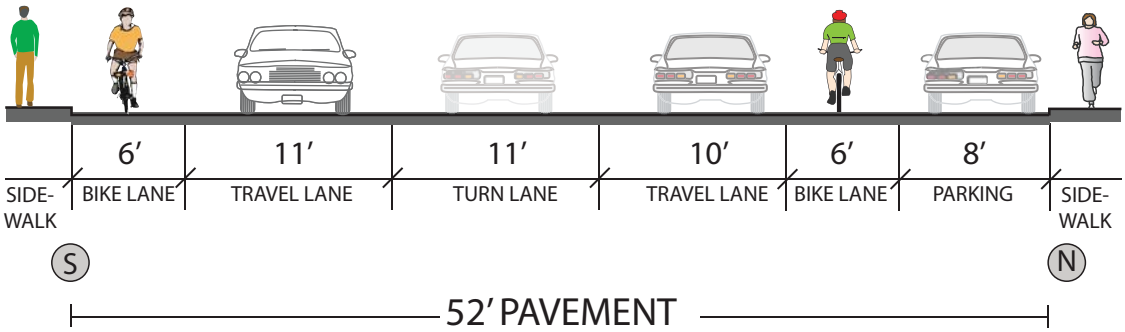
E 4th St - S Rogers St to S Gentry St



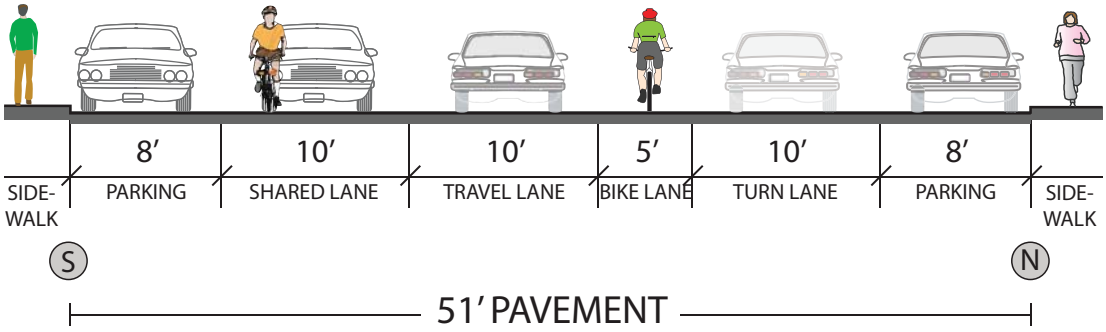
E 4th St - S Gentry St to S College Ave



E 4th St - S College Ave to S Walnut St



E 4th St - S Walnut St to mid-block S Washington



IM4 4th Street: Rogers St to Indiana Ave

Bloomington Bikeways Implementation Plan

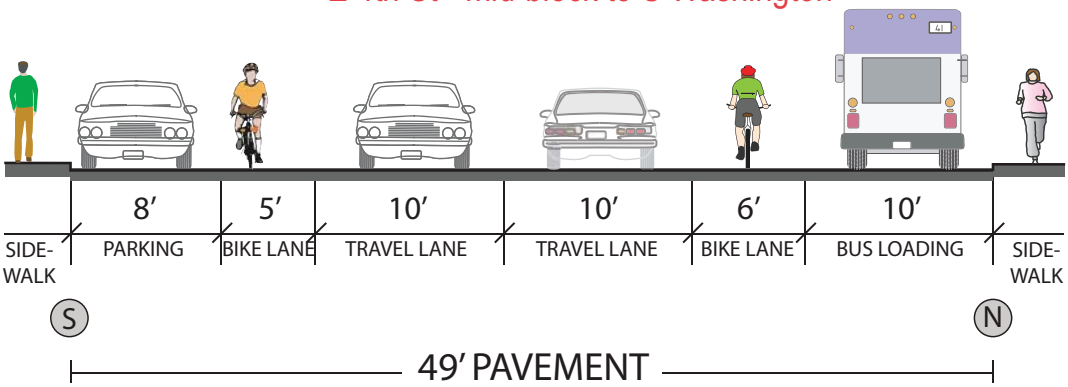
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

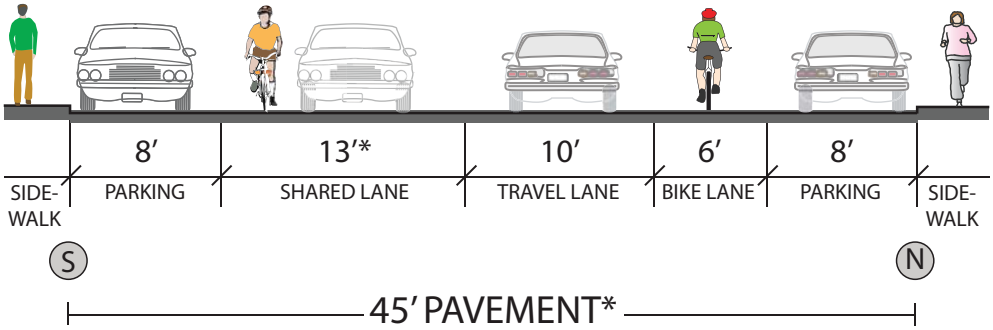
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

E 4th St - mid-block to S Washington

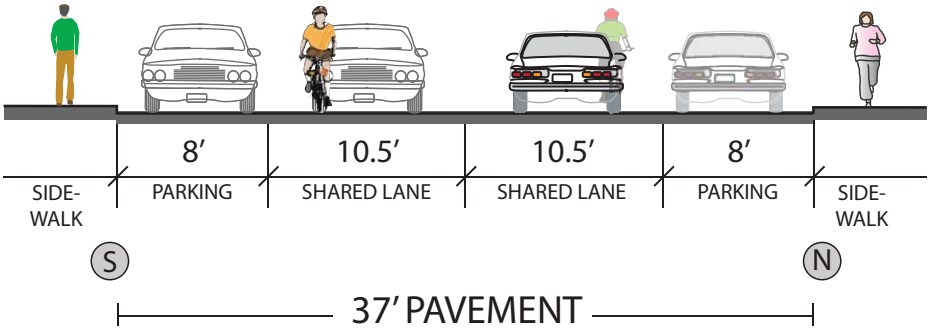


E 4th St - S Washington St to S Grant St



* 43′ pavement width between S Lincoln and S Grant; shared lane becomes 11′ wide.

E 4th St - S Grant St to S Indiana St



IM4 4th Street: Rogers St to Indiana Ave

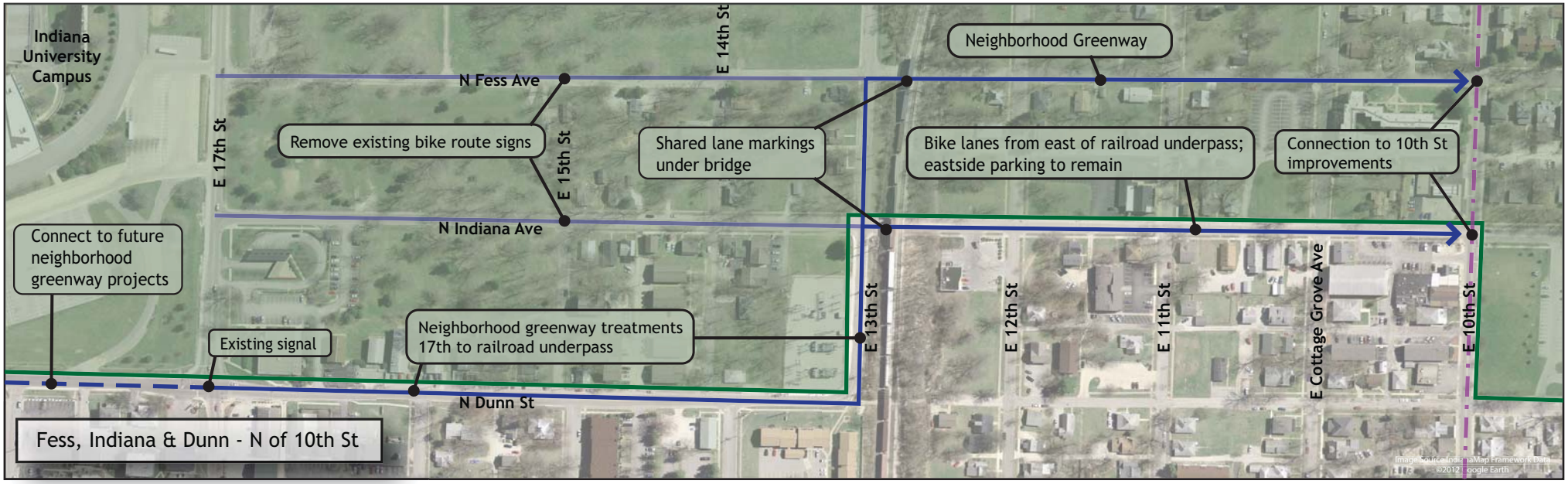
Bloomington Bikeways Implementation Plan

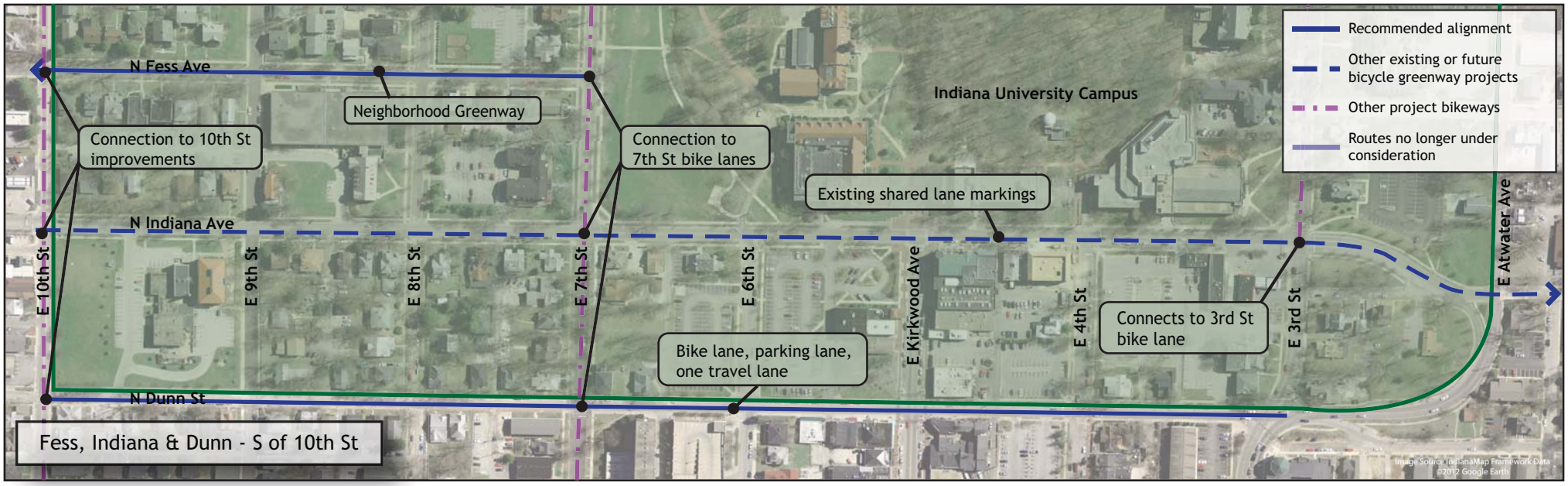
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN





IM5 Fess Ave, IM3A Indiana Ave, IM3B Dunn St: E 17th St to E 3rd St

Bloomington Bikeways Implementation Plan

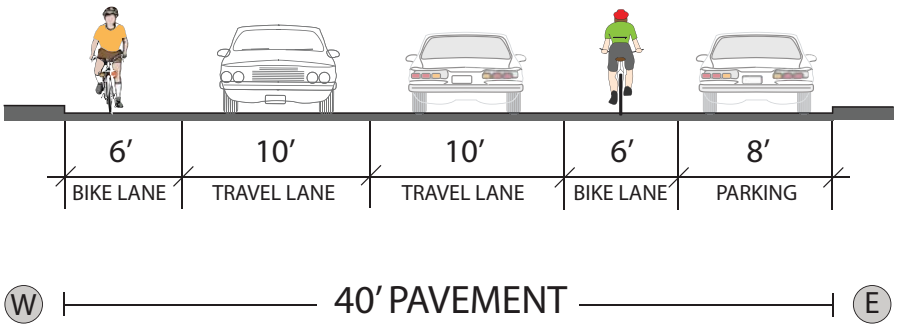
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

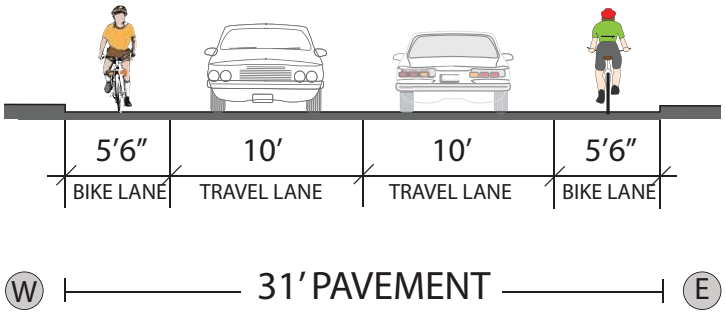
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

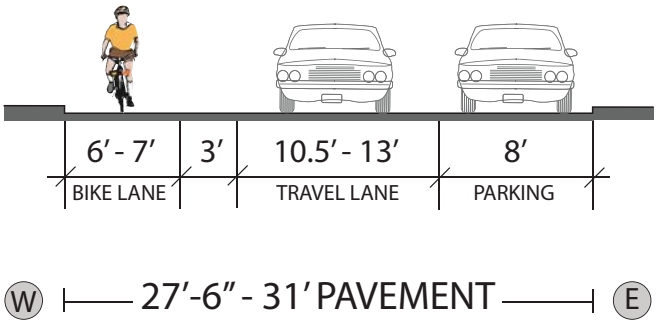
N Indiana Ave from 10th to 12th



N Indiana Ave from 12th to 13th



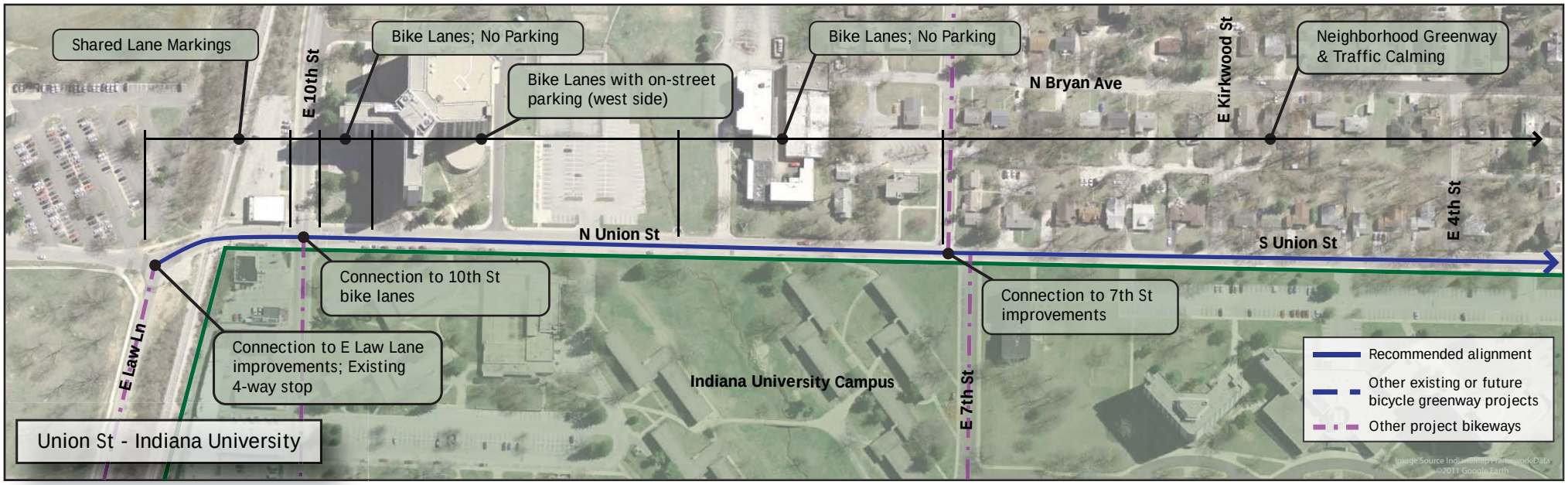
N Dunn St from 13th to 17th



IM5 Fess Ave, IM3A Indiana Ave, IM3B Dunn St: E 17th St to E 7th St

Bloomington Bikeways Implementation Plan
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN



IM6 Clifton/Union Neighborhood Greenway: Maxwell Ln to Law Ln

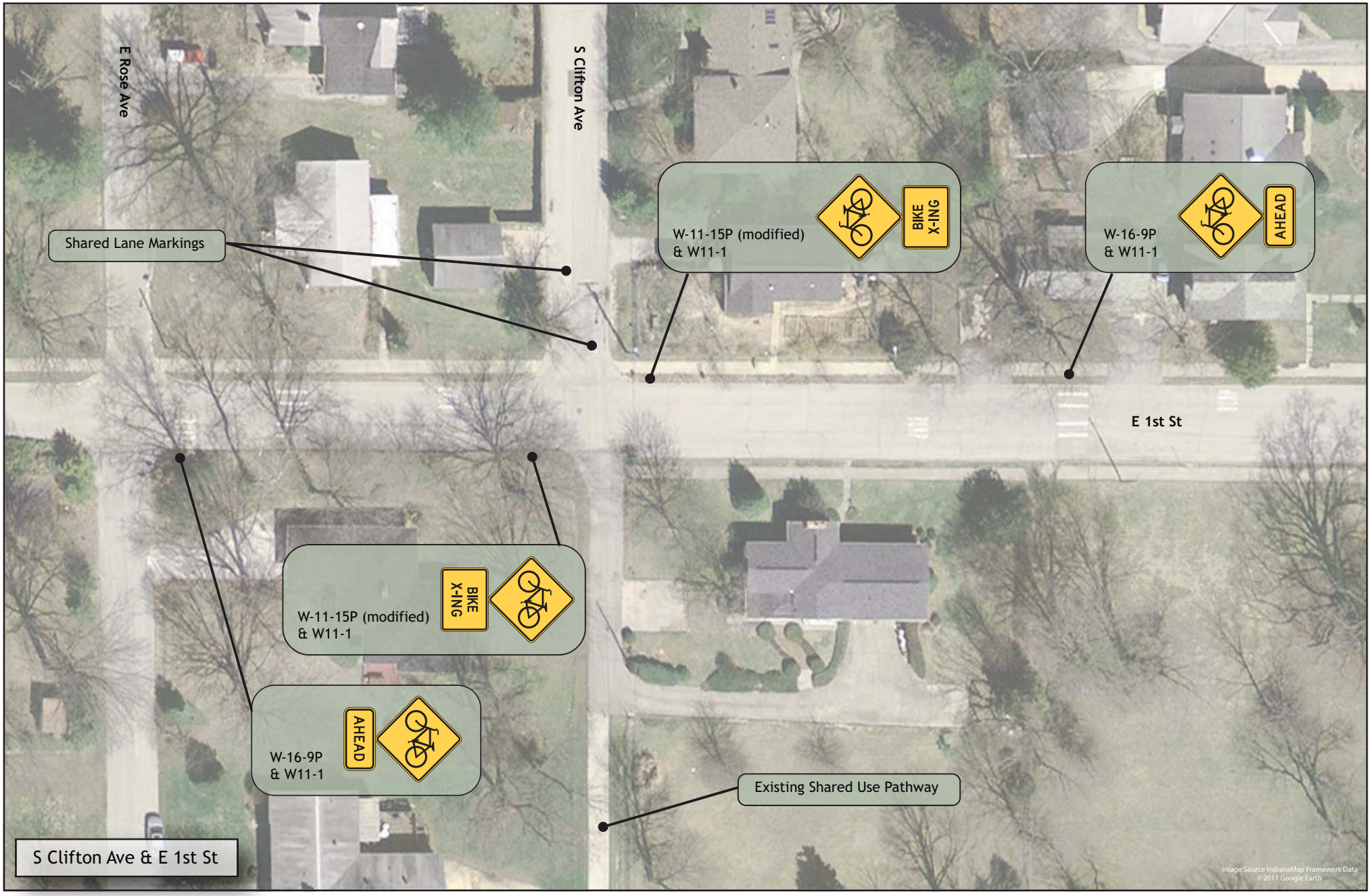
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



IM6 Clifton/Union Neighborhood Greenway: Maxwell Ln to Law Ln

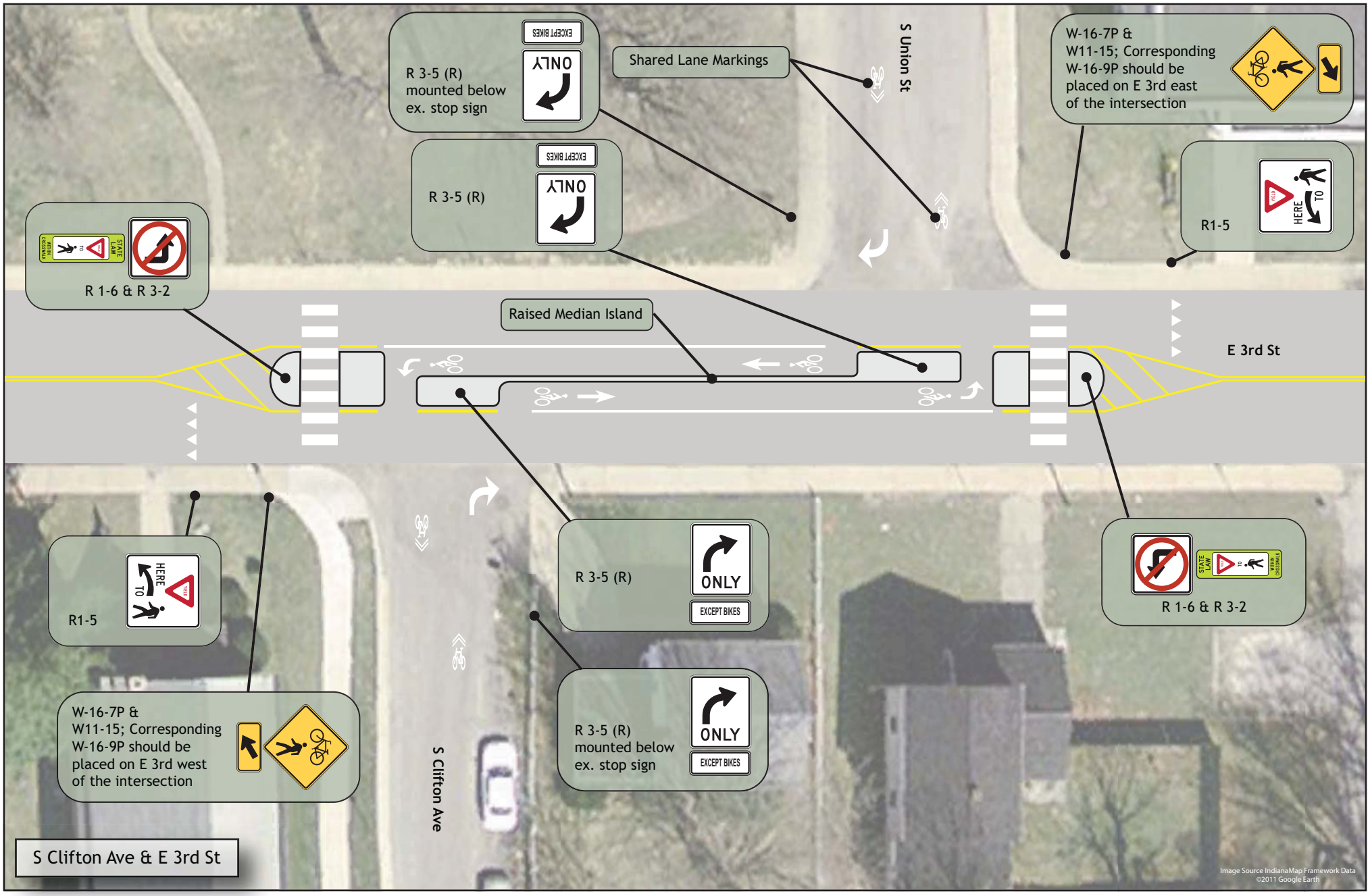
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



IM6 Clifton/Union Neighborhood Greenway: Maxwell Ln to Law Ln

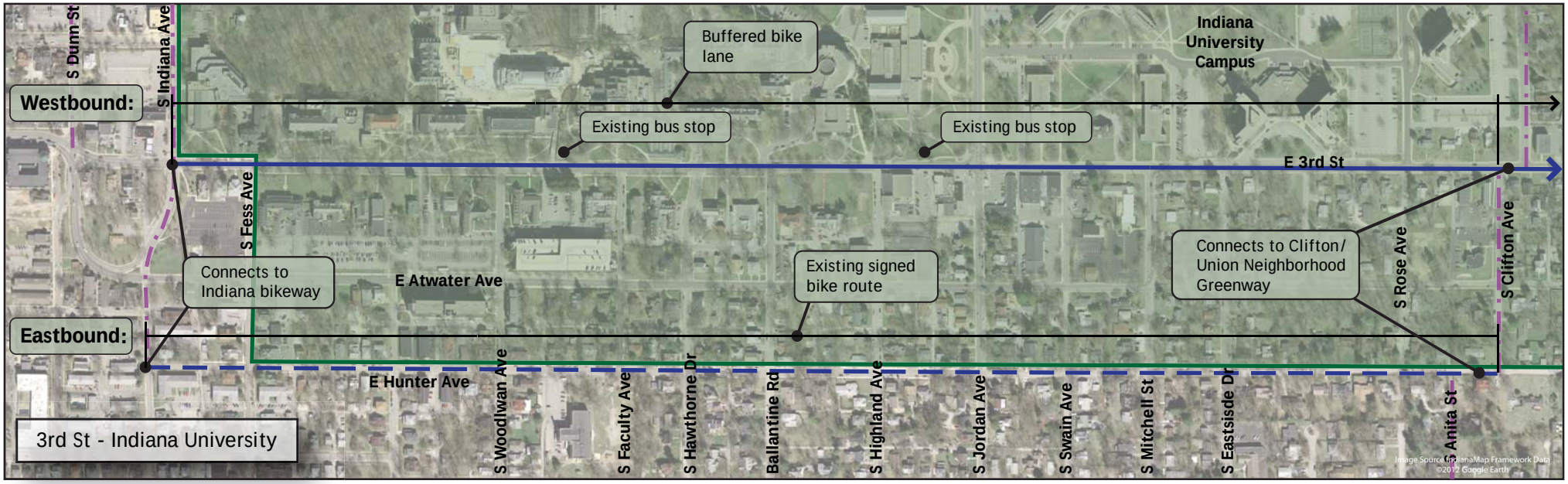
Bloomington Bikeways Implementation Plan

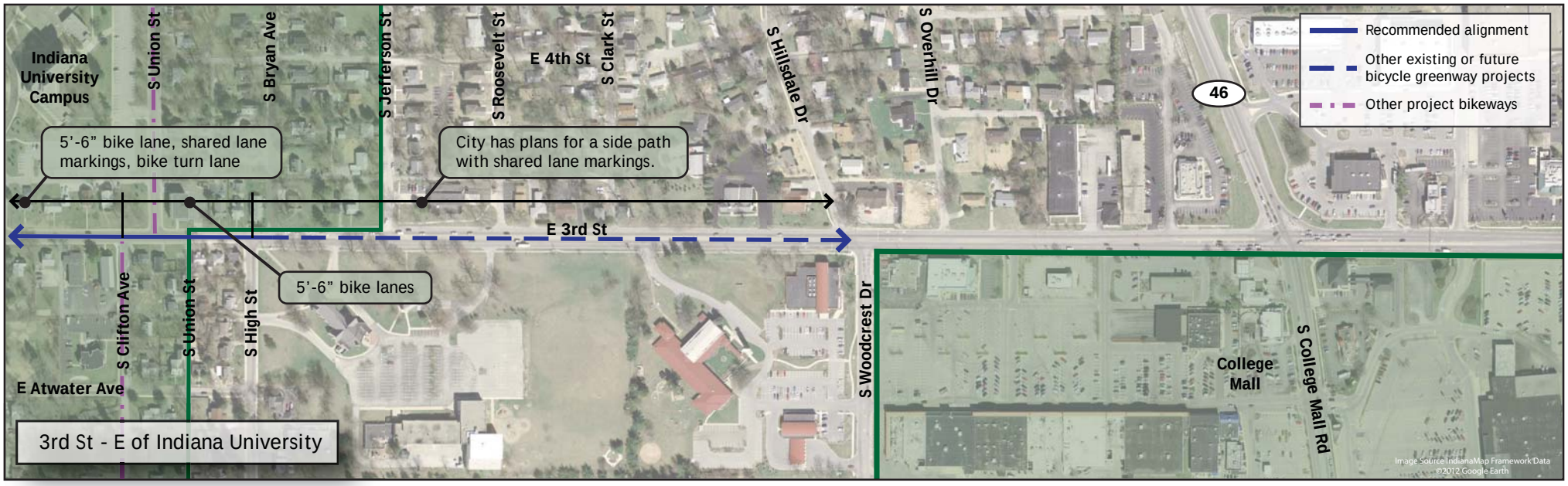
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN





IM7 3rd St: Dunn St to SR45/46

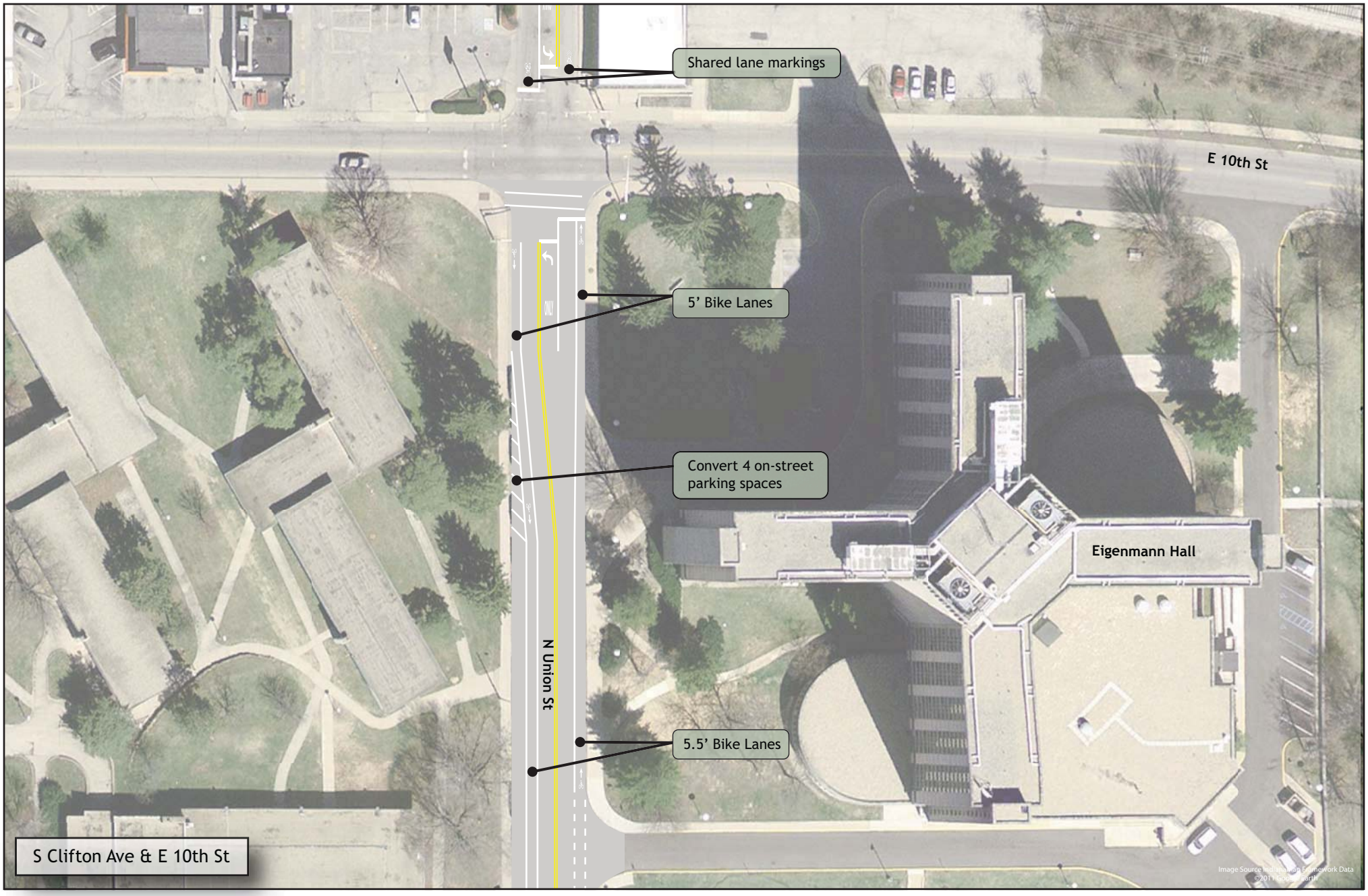
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



IM6 Clifton/Union Neighborhood Greenway: Maxwell Ln to Law Ln

Bloomington Bikeways Implementation Plan

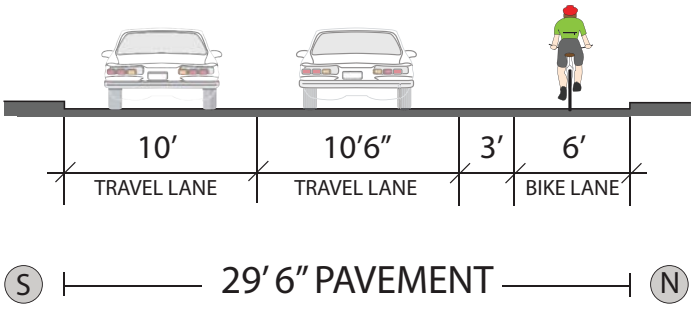
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

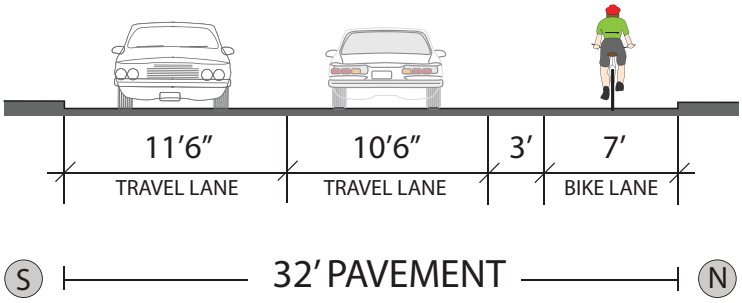
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

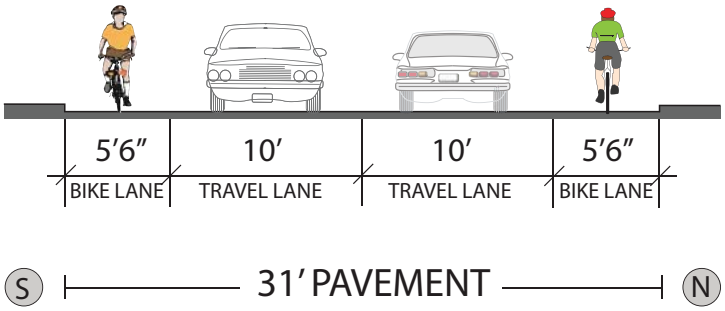
E 3rd St from Dunn to Mitchell



E 3rd St from Mitchell to Clifton



E 3rd St from Clifton to High (Street Enlargement)



IM7 3rd St: Dunn St to SR45/46

Bloomington Bikeways Implementation Plan

Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

11th St to SR 45/46 / E Matlock Rd

IM8 Fee Lane Bike Lanes: 11th St to 13th St; 17th St to SR 45/46

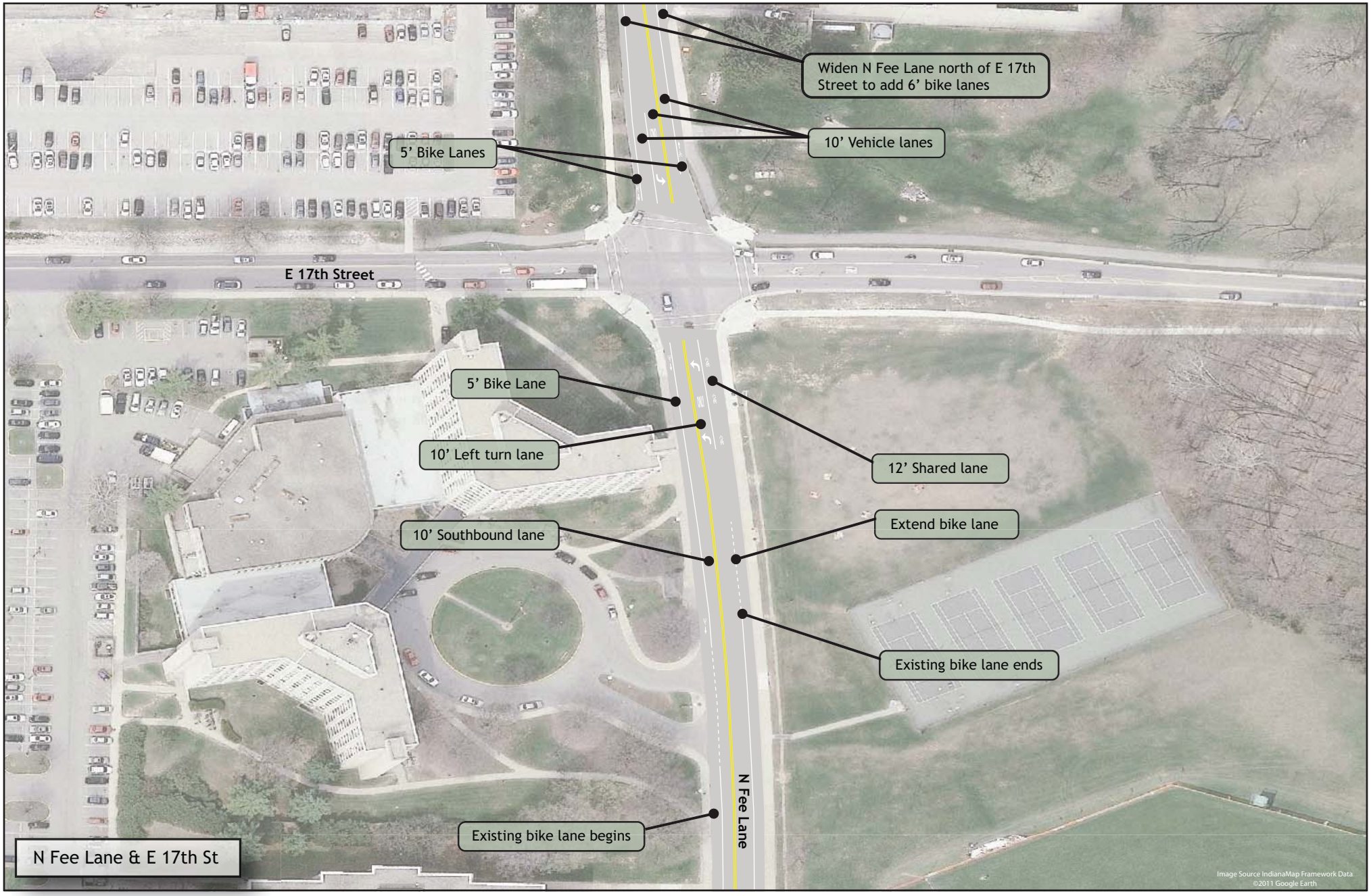
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



IM8 Fee Lane Bike Lanes: 17th St to SR 45/46; 11th St to 13th St

Bloomington Bikeways Implementation Plan

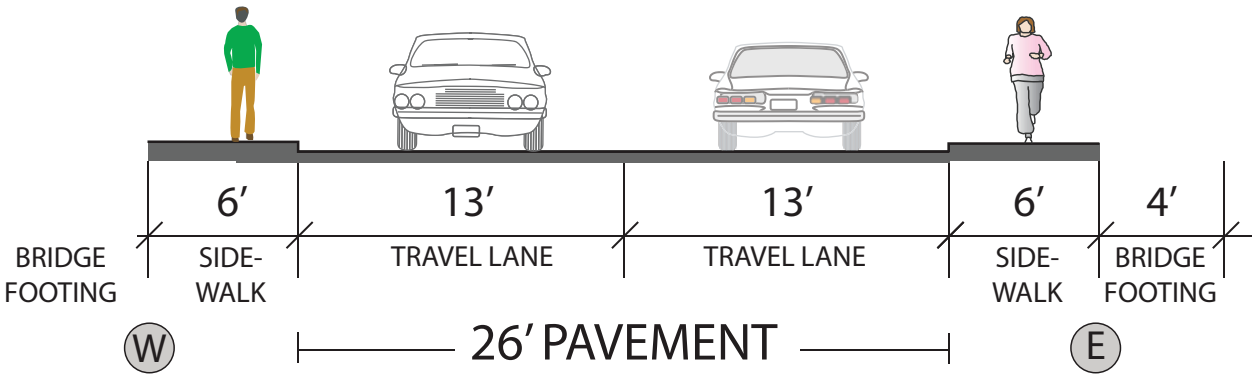
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

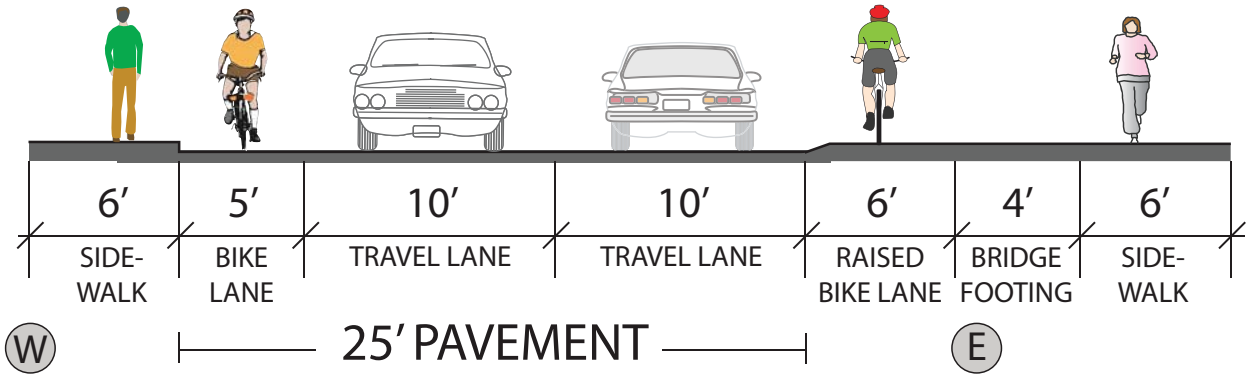
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

N Fee Lane - Existing Condition



N Fee Lane - Proposed Bike Lanes



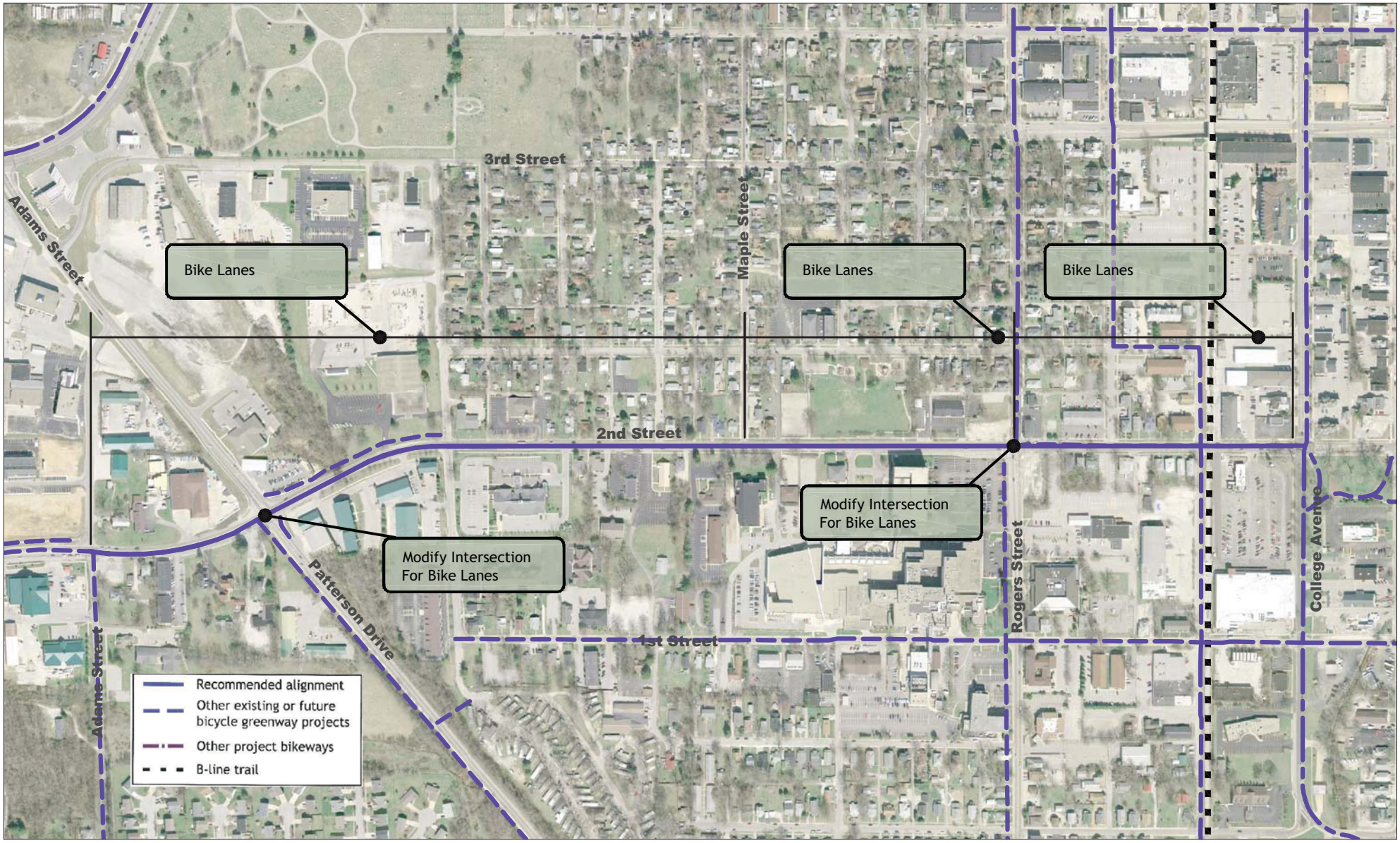
IM8 Fee Lane Bike Lanes: 17th St to SR 45/46; 11th St to 13th St

Bloomington Bikeways Implementation Plan
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

Immediate Projects

Number	Project	Limits	Traffic Calming Possible?	Functional Class	Length	Pavement Width	# of Lanes	Speed	Parking Left	Parking Right	Traffic Volume	Bike Facility Type	Cost Estimate	
CST 1	Allen/Covenanter Bike Boulevard	Patterson Drive to College Mall Road	Yes	Primary collector/Local/Secondary collector	14415								**$110,293.44**	*
CST 2	Highland - Hawthorne Bike Boulevard	Highland: Winslow to Miller Dr. (BL), Miller Dr., Olive, Southdowns (BB); Hawthorne: Southdowns Drive (Allen St. Bicycle Boulevard) to 3rd Street	Hawthorne, Yes/South of Miller, No?	Hawthorne =Local; Highland Secondary Collector south of Miller										
IM1	7th Street/Longview Avenue	7th Street - Adams St. to Rogers St.		2nd collector	3100	22' and 27' - 35'	2	25	No	Yes	< 3000	Neighborhood Greenway	$8,616.52	
		7th Street - Rogers St. to College Ave.		Primary Collector	1085	33' - 37' and 43 - 48	2 W/ turn lane	25	Yes	Yes	3594 - 3891	Shared Lane Markings	$3,568.28	
		7th Street - College Ave. to Indiana Ave.		Local	2240	42' - 32'	2	25	Yes	Yes	4000 - 6000	Shared Lane Markings	$6,549.03	
		7th Street - Indiana Ave. to Woodlawn Ave.		Local	980	32	2	25	No	No	6318 - 6907	Bike Lanes	$13,274.58	
		7th Street - S. Union St to SR 46 on 7th		Local	2735	18' - 20'	2	25	No	No	1387	Neighborhood Greenway	$8,940.78	
		7th Street - SR 46 to S. Williamsburg					2					Connect to SR 46 Shared use Path No Work		
		S. Williamsburg - 7th Street to Longview Ave.			1160							Neighborhood Greenway	$3,635.21	
		Longview Ave. Williamsburg to Pete Ellis		Local	500	22	2	25	No	No		Neighborhood Greenway	$1,746.21	
		Longview Pete Ellis to Kingston										Existing Bike Lanes No Work		
		Longview/Morningside Kingston to end/Park Ridge Rd.		Local/Collector	5500	23 - 27	2	25	No	No	302 - 4933	Neighborhood Greenway	$12,708.33	
													$59,038.94	
IM2A	South Adams	W. 3rd Street to W. Kirkwood Avenue	No	Primary arterial	1170	59'	2	30	No	No	15859	Bike Lanes	$19,894.14	
		W. Kirkwood Avenue to W. 7th Street			725	19	2	25	No	No		Neighborhood Greenway	$2,597.01	
IM2B	3rd Street Bike Lanes	Landmark Ave. to S Adams St	No	Primary arterial	1250	60 - 70	5	30	No	No	19743	Bike Lanes	$21,815.53	
													$44,306.68	
IM3A	Indiana Avenue Bike Lanes	South of the railroad underpass to 10th Street	No	Secondary arterial	1100	30	2	30	No	Yes	5457	Bike Lane - One way roadway	$9,081.67	
		13th Street to South of the railroad underpass			215	30	2	30	No	Yes	5457	Shared Lane Markings	$841.87	
IM3B	Dunn Street Bike Lanes	3rd Street to 10th Street	No	Secondary Arterial	2630	27 - 30	2	25	No	Yes	3464 -6310	Bike Lane - One way roadway	$20,697.08	
		13th Street to 17th Street			1350	20 - 38	2	25	No	No	3418	Neighborhood Greenway	$5,754.77	
	13th Street	Dunn Street to Fess Ave.			700							Neighborhood Greenway	$2,574.70	
IM5	Fess Bike Boulevard	7th Street to 10th Street	Yes	Local	1150	24	2	25	Y/N	Yes		Bike Lane - One way roadway	$9,376.29	
		10th Street to South of the railroad underpass			1100	22 - 23	2	25	No	Yes		Bike Lane - One way roadway	$9,081.67	
		South of the railroad underpass to 13th Street			215	17 - 19	2	25	No	No	471 - 261	Shared Lane Markings	$841.87	
													$58,249.92	
IM3C	19th Street Bike Lanes	Walnut Street to Lincoln Street	Yes	Local	800	21	2	25	Yes	Yes	1762	Neighborhood Greenway	$3,963.94	
		Lincoln Street to Dunn Street			750	21	2	25	No	Yes	1662	Neighborhood Greenway	$2,619.32	
													$6,583.26	
IM4	4th Street Bike Lanes	Rogers Street to Gentry Street	Yes	Local	870	36	2	25	Yes	Yes	4084	Neighborhood Greenway	$13,501.41	
		Gentry Street to Walnut Street			550	52	2	25	Yes	Yes	2955	Bike Lanes	$10,690.83	
		Walnut Street to Mid Block past Walnut			150	51	2	25	Yes	Yes	4655	N. Bike Lanes, S. Shared Lane	$2,658.86	
		Mid Block past Walnut to Washington Street			215	51	2	25	Yes	Yes	4655	Bike lanes	$4,066.87	
		Washington Street to Grant Street			725	42 - 45	2	25	Yes	Yes		N. Bike Lanes, S. Shared Lane	$9,847.01	
		Grant Street to Indiana Avenue			825	36	2	25	Yes	Yes		Neighborhood Greenway	$2,686.25	
													$43,451.23	
IM6	Union	Law Lane to 10th Street	Yes?	Primary Collector	285		2		No	No		Shared Lane Markings	$2,204.34	
		10th Street to 100' S of 10th Street		Primary Collector	100	34	2	30	No	No	5993	Bike Lanes	$1,739.24	
		100' S of 10th Street to 600' S of 10th Street		Primary Collector	500	34	2	30	No	Yes	5993	Bike Lanes w/ Parking West side	$5,446.21	
		600' S of 10th Street to 7th Street		Primary Collector	650	34	2	30	No	No	5996	Bike Lanes	$8,380.08	
		7th Street to 3rd Street		Primary Collector	1400	22 - 30	2	30	No	Yes	4108 - 3214	Neighborhood Greenway	$4,499.39	
	3rd Street	Union Street to Clifton Avenue		Primary Arterial	200	32	2	25	No	No		Raised Median	$8,328.48	
	Clifton Avenue/Anita Street	3rd Street to 1st Street		Local	2170	25 - 10	2	25	No	No	46	Neighborhood Greenway	$6,486.56	
		1st Street to Maxwell Lane		Local	535	8	2	25	No	No		Connect to existing shared use pathway	$1,777.45	
													$38,861.75	
IM7	East 3rd St	Dunn St. to Mitchell St.	No	Primary arterial	3950	28 - 34	2	25	No	No	12828 - 13934	Buffered Bike Lane	$30,425.08	
		Mitchell St. to Cliffton Ave.			1300	30 - 44	2	25	No	No	19178	Buffered Bike Lane	$10,910.15	
		Union St. to High St.			200	32	2	25	No	No	15431	Bike Lanes	$2,828.48	
		High St. to Jefferson St.			400	31 - 50	2 - 4	30	N/Y	No		Buffered Bike Lanes	$8,656.97	
		Jefferson St. to SR 46			2450	50 -56	4	30	No	No	21192 - 21334	Road Diet add Buffered Bike Lanes	$50,231.44	
													$103,052.12	
IM8	Fee Lane Bike Lanes	SR 45/46 to 275' N of 17th Street	No	Primary collector	2475	25	2	35	No	No	6803	Widen Road to Add Bike Lanes	$504,494.62	
		275' N of 17th Street to 365' S of 17th Street			650	25	2	35	No	No	6803	Shared Lane markings	$9,355.08	
		365' S of 17th Street to 13th Street				40	2	25	No	No	7604	Existing Bike Lanes		
		13th Street to 11th Street			650	25	2	25	No	No	9647	Widen Road to Add Bike Lanes	$118,260.59	
													$632,110.29	
Immediate Projects subtotal Construction Cost					66120								**$1,051,640.95**	
Contingency (10%)													**$105,164.10**	
Immediate Projects total Construction Cost													**$1,156,805.05**	



LT1 West Second Street: Adams Street to College Avenue

Bloomington Bikeways Implementation Plan

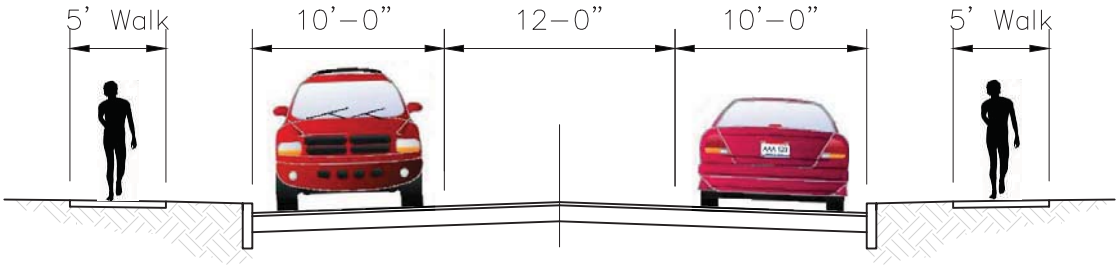
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

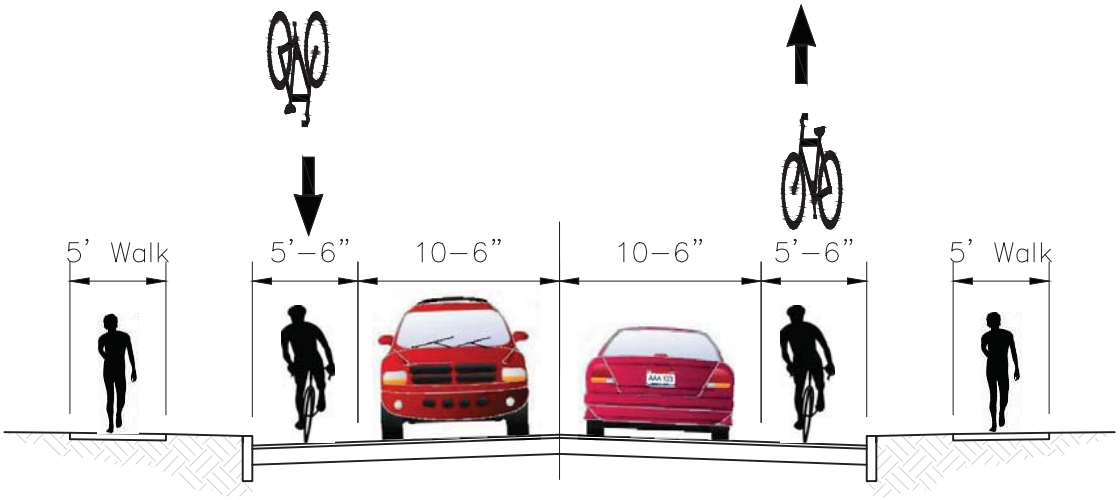
alta PLANNING + DESIGN

2nd Street



EXISTING TYPICAL

ADAMS STREET TO COLLEGE STREET



PROPOSED TYPICAL

ADAMS STREET TO COLLEGE STREET

LT1 West Second Street: Adams Street to College Avenue

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

LT1 West Second Street: Adams Street to College Avenue

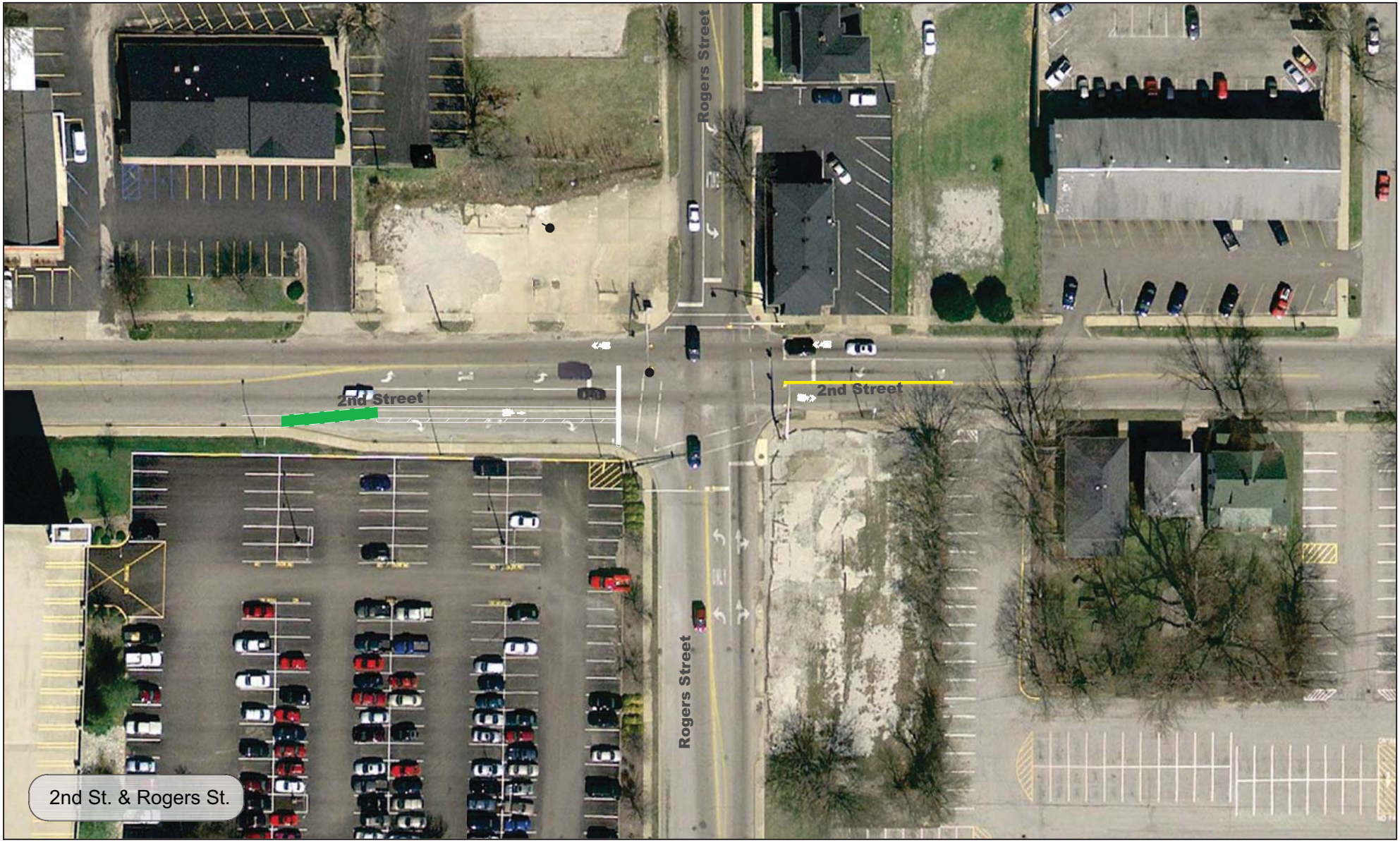
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



LT1 West Second Street: Adams Street to College Avenue

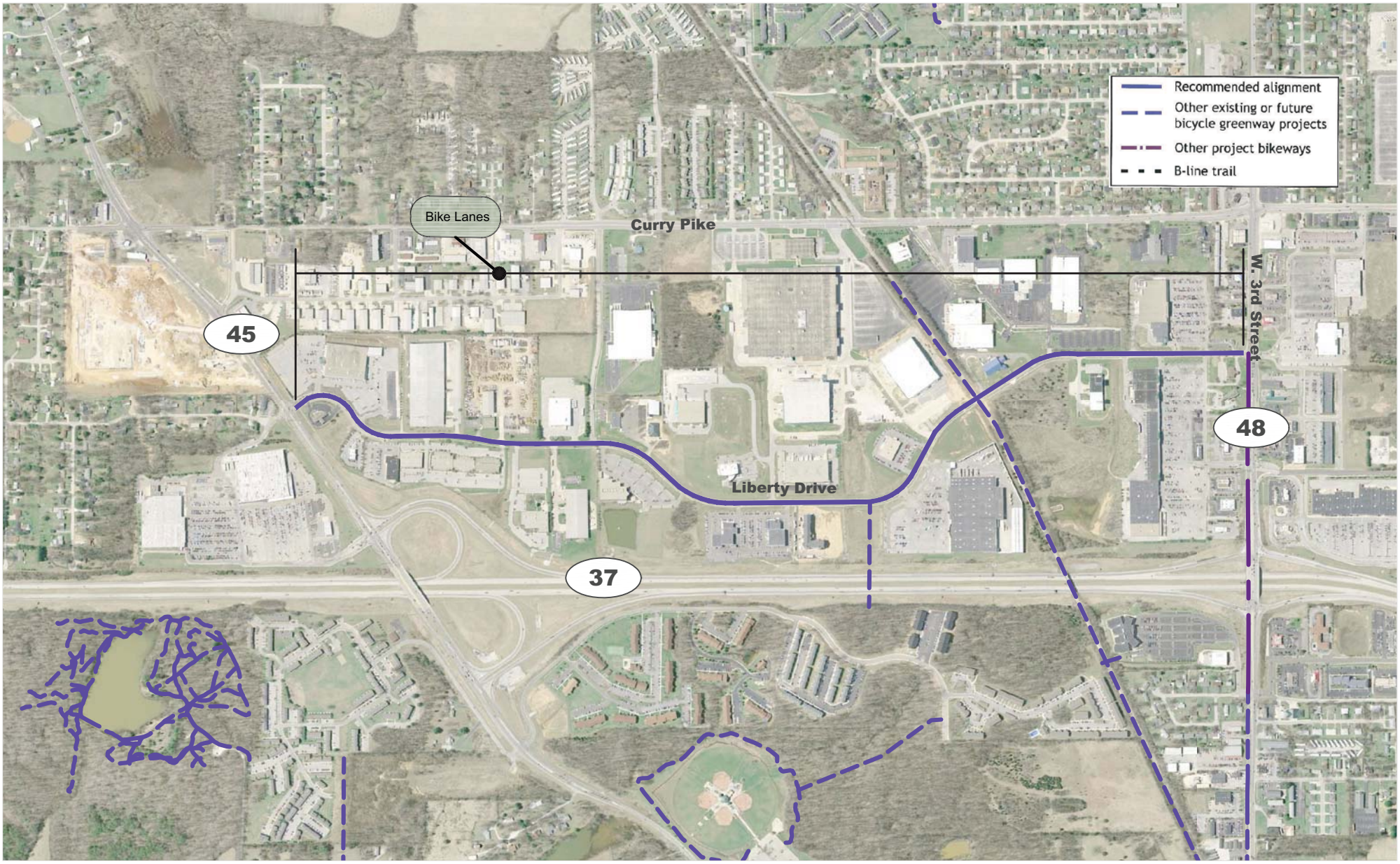
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



LT2 Liberty Drive: State Road 45 to State Road 48/ West 3rd Street

Bloomington Bikeways Implementation Plan

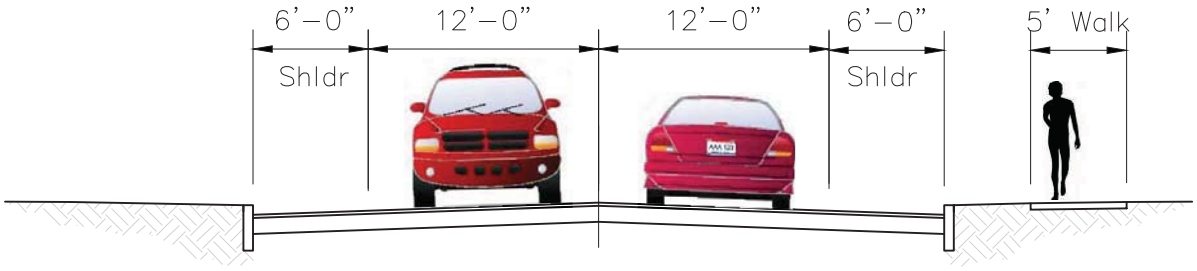
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

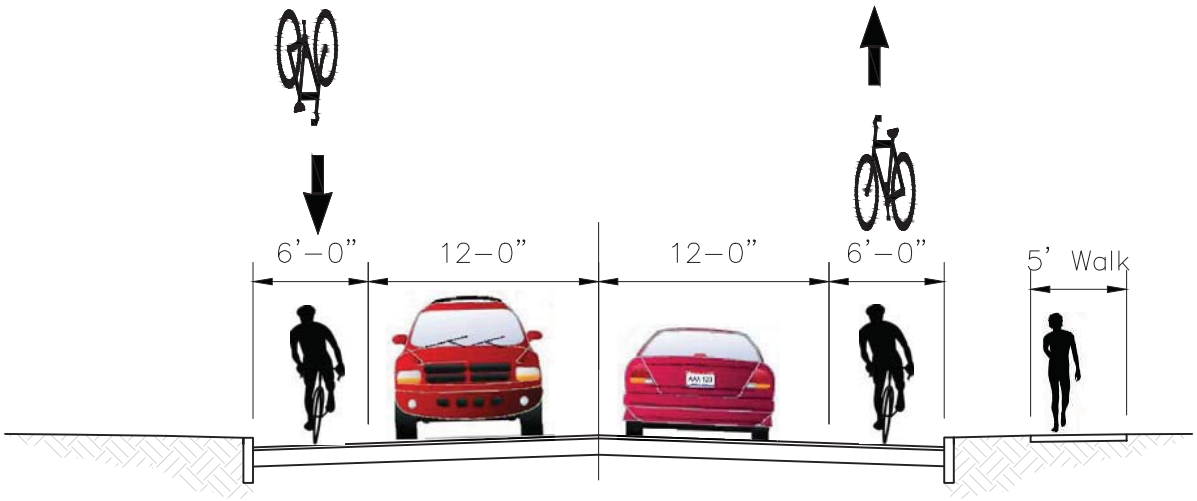
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

LIBERTY DRIVE



EXISTING TYPICAL
SR 45 TO SR 48



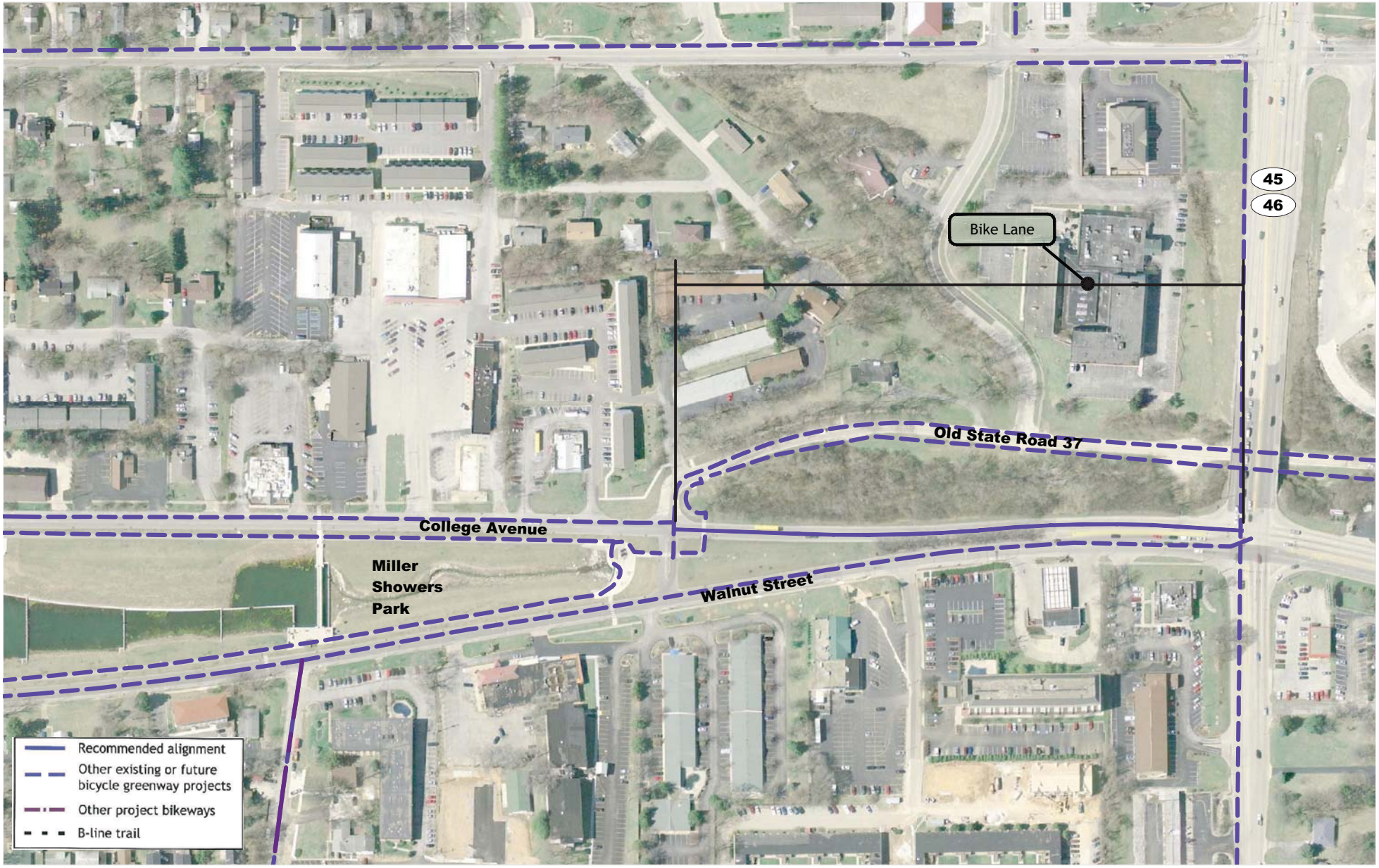
PROPOSED TYPICAL
SR 45 TO SR 48

LT2 Liberty Drive : SR 45 to SR 48

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN



LT3A College Avenue: Old State Road 37 (Miller Showers Park) to State Road 45 & 46

Bloomington Bikeways Implementation Plan

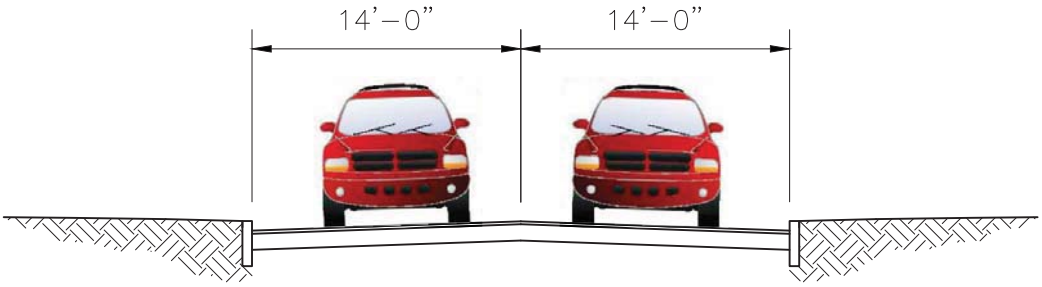
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

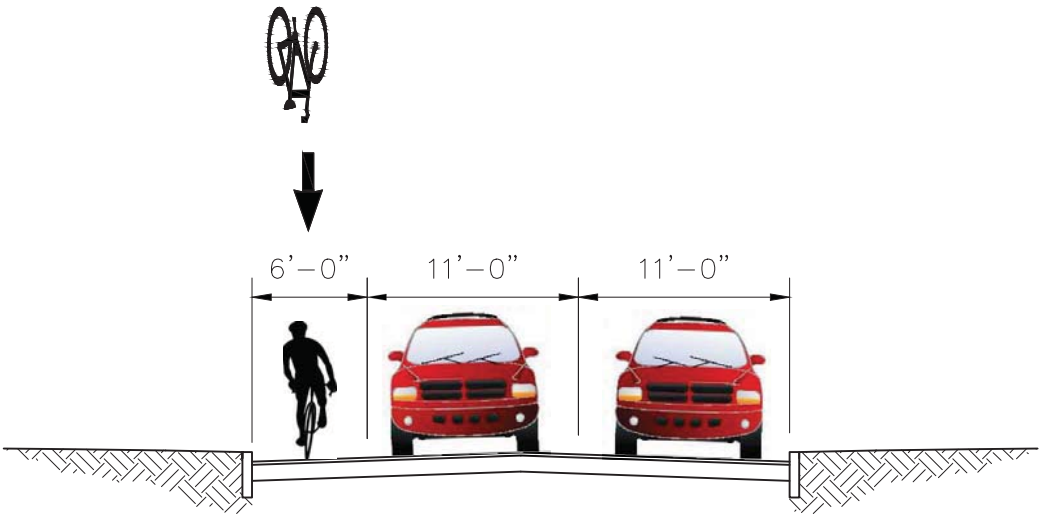
alta
PLANNING + DESIGN

COLLEGE AVENUE



EXISTING TYPICAL

STATE ROAD 46/45 TO MILLER SHOWERS PARK



PROPOSED TYPICAL

STATE ROAD 46/45 TO MILLER SHOWERS PARK

LT3A College Street :
Old SR 37 (Miller Showers Park) to SR 45/46

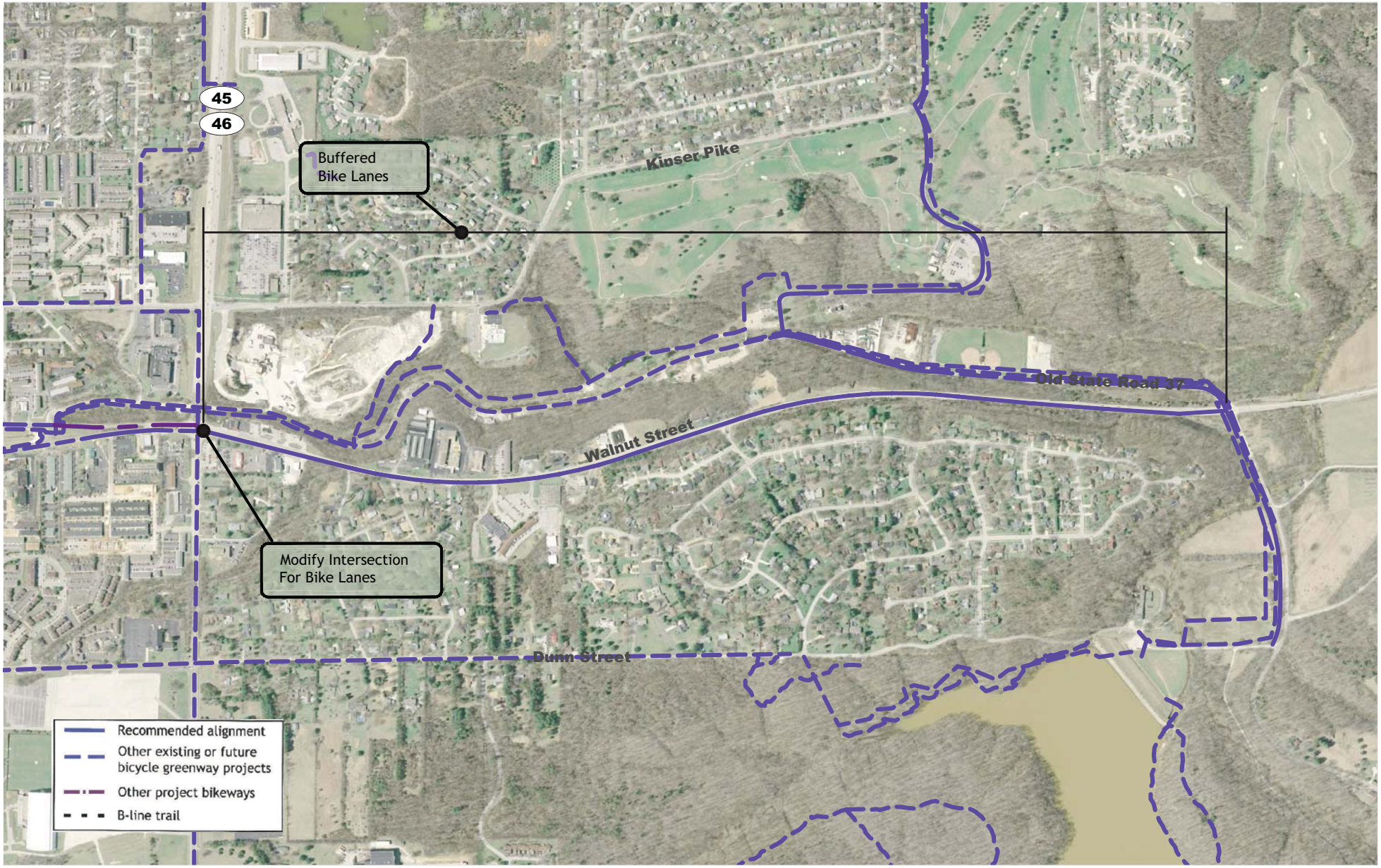
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



LT3B Walnut Street: State Road 45 & 46 to Old State Road 37

Bloomington Bikeways Implementation Plan

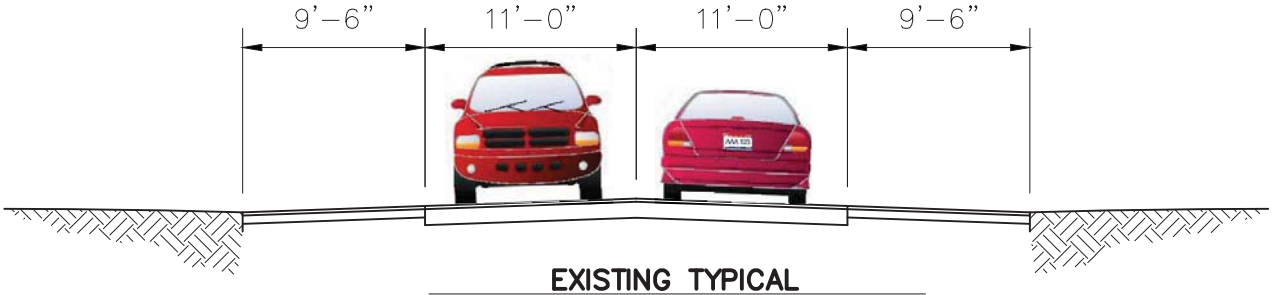
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

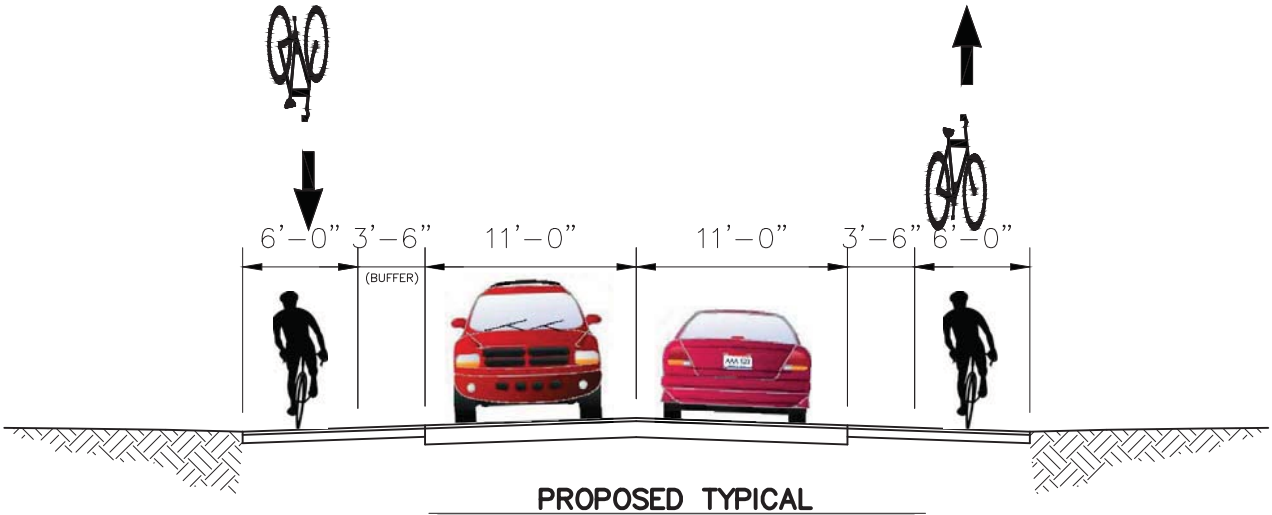
alta
PLANNING + DESIGN

WALNUT STREET – NORTH



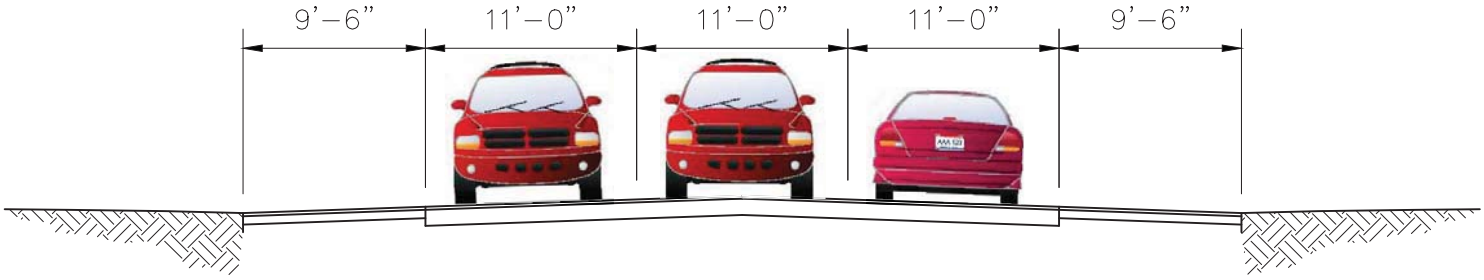
EXISTING TYPICAL

STATE ROAD 46/45 TO BLUE RIDGE DRIVE



PROPOSED TYPICAL

STATE ROAD 46/45 TO BLUE RIDGE DRIVE



EXISTING TYPICAL

BLUE RIDGE DRIVE TO OLD STATE ROAD 37

LT3B Walnut Street : SR 45/46 to SR 37

Bloomington Bikeways Implementation Plan

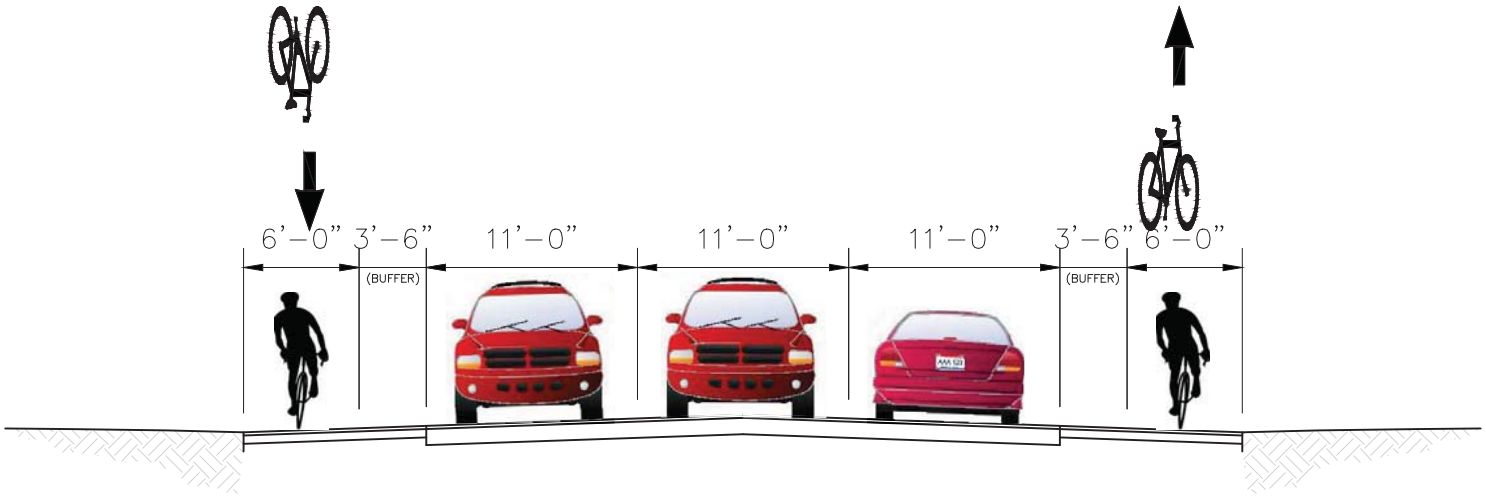
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

WALNUT STREET – NORTH



PROPOSED TYPICAL

BLUE RIDGE DRIVE TO OLD STATE ROAD 37

LT3B Walnut Street : SR 45/46 to SR 37

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

LT3A & LT3B Walnut Street: State Road 45 & 46 to Old State Road 37

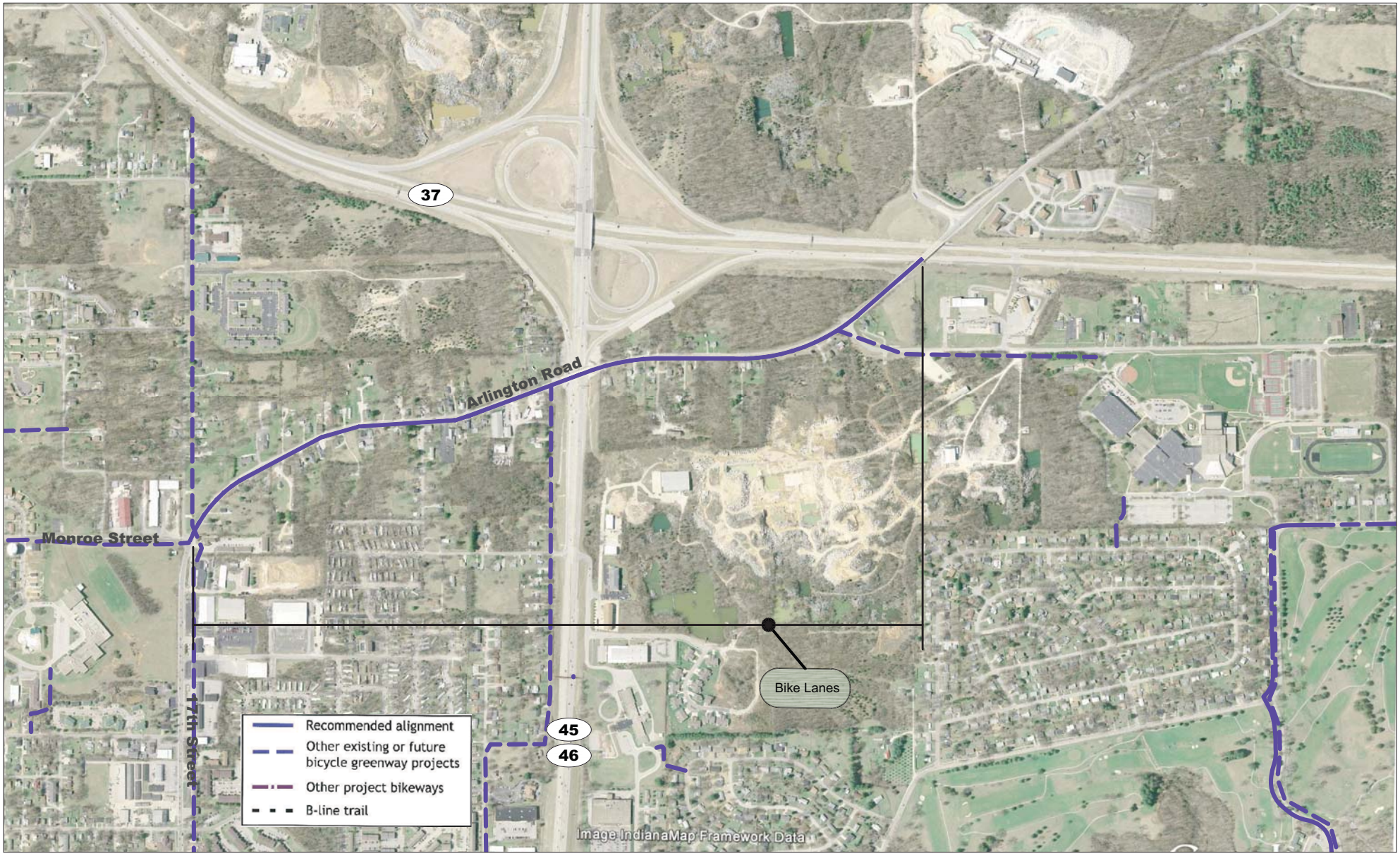
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN

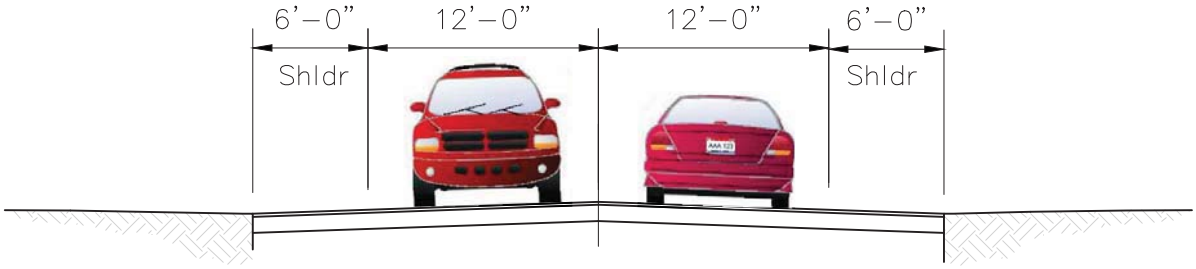


LT4 Arlington Road: Monroe Street to State Road 37

Bloomington Bikeways Implementation Plan
Source Google Earth Aerial
Author: JRF
Date: March, 2012

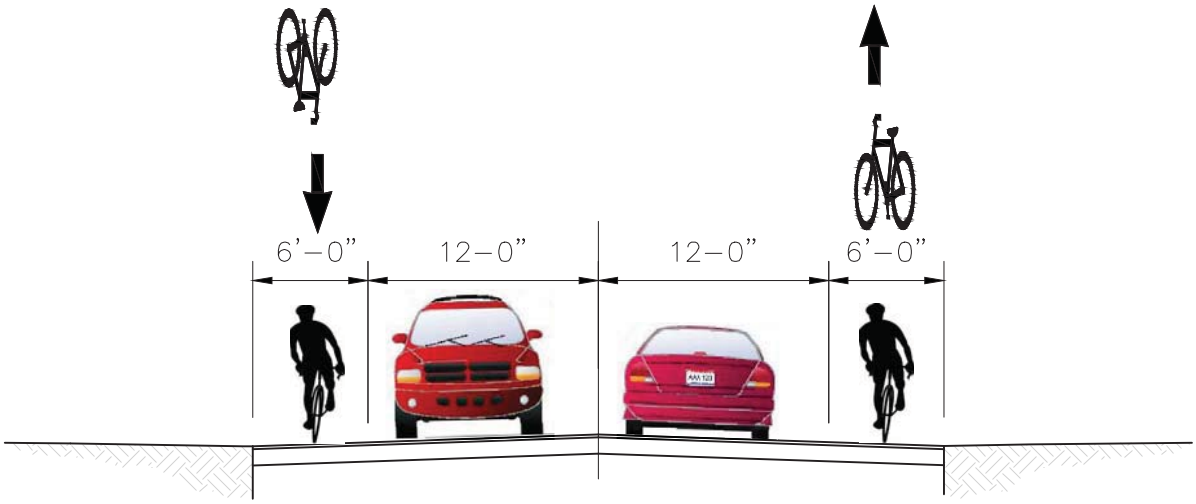
THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

ARLINGTON ROAD



EXISTING TYPICAL

MONROE STREET TO SR 37



PROPOSED TYPICAL

MONROE STREET TO SR 37

LT4 Arlington Road : Monroe Street to SR 37

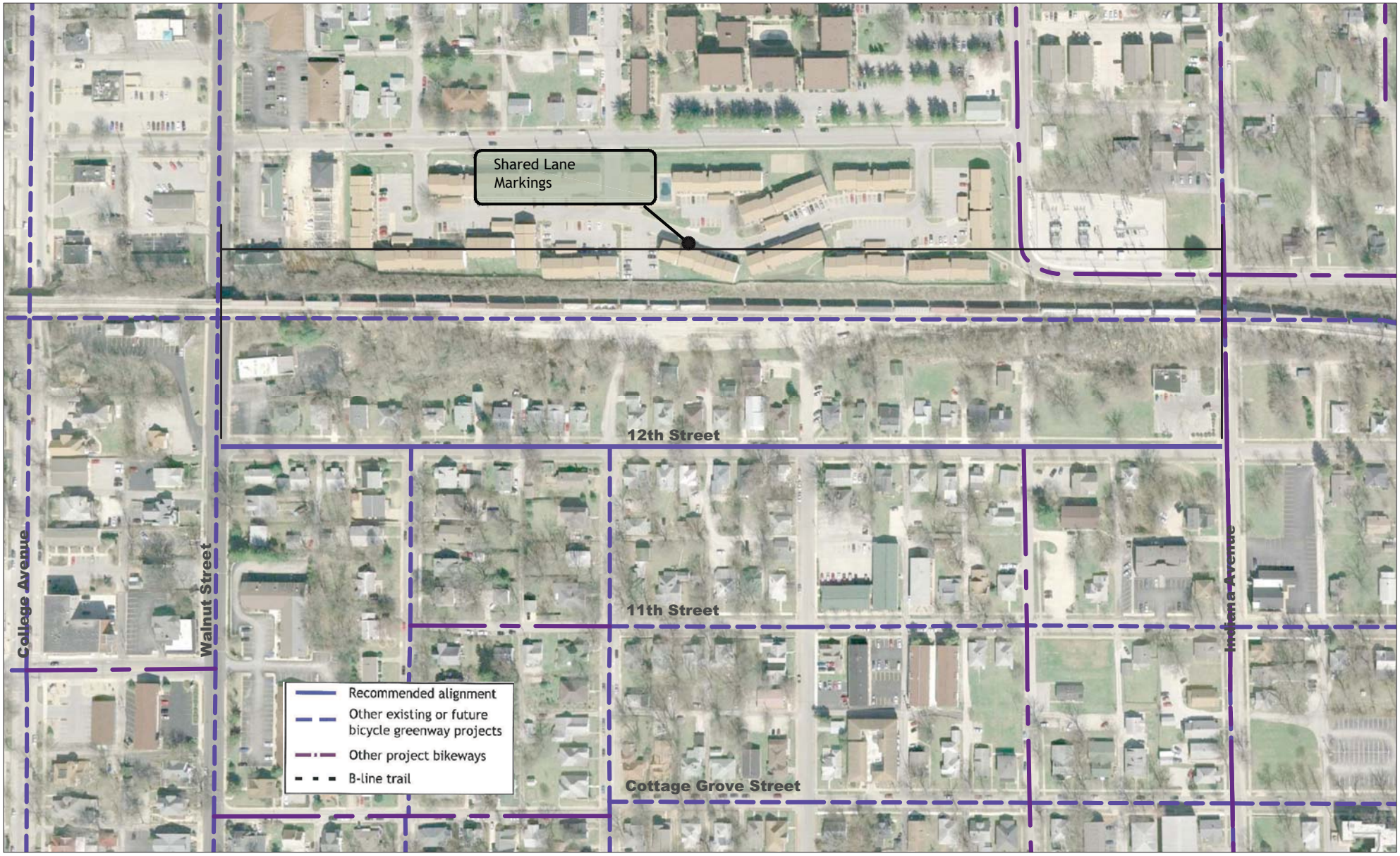
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

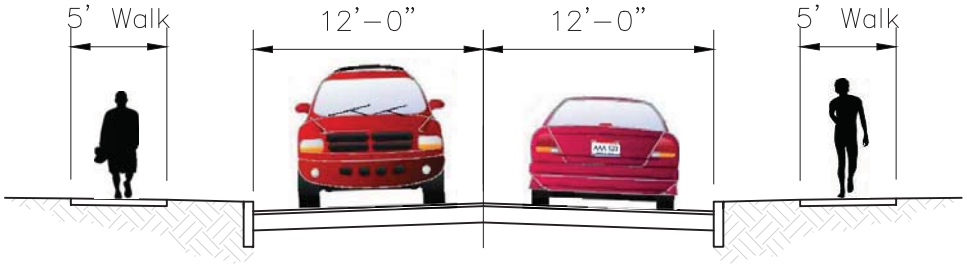


LT5 12th Street: Walnut Street to Indiana Avenue

Bloomington Bikeways Implementation Plan
Source Google Earth Aerial
Author: JRF
Date: March, 2012

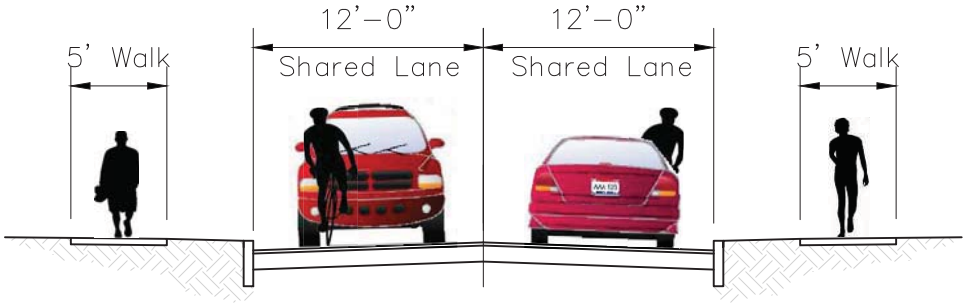
THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

12th Street



EXISTING TYPICAL

WALNUT STREET TO INDIANA STREET



PROPOSED TYPICAL

WALNUT STREET TO INDIANA STREET

LT5 12th Street : Walnut Street to Indiana Street

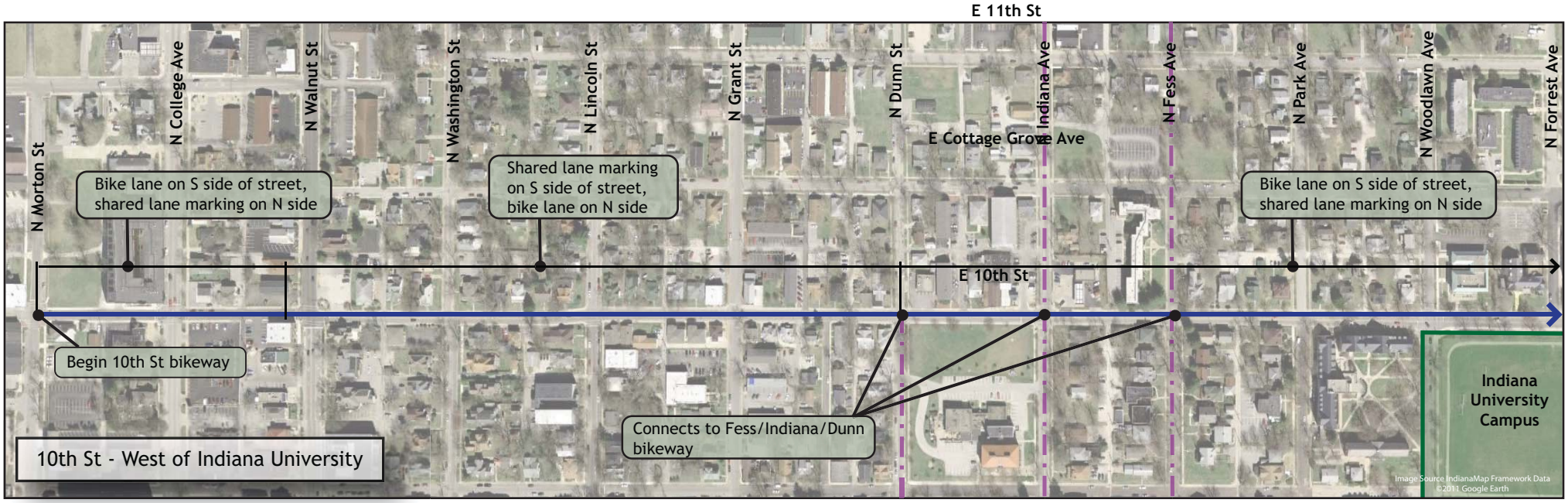
Bloomington Bikeways Implementation Plan

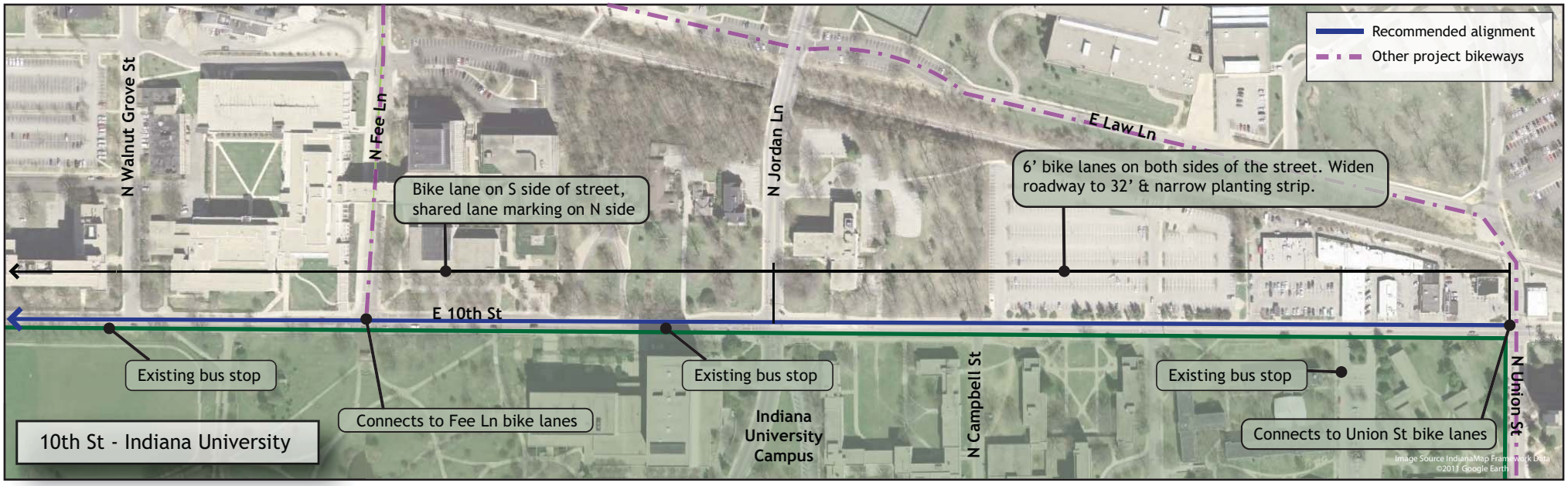
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN





LT6 10th St: Morton St to Union St

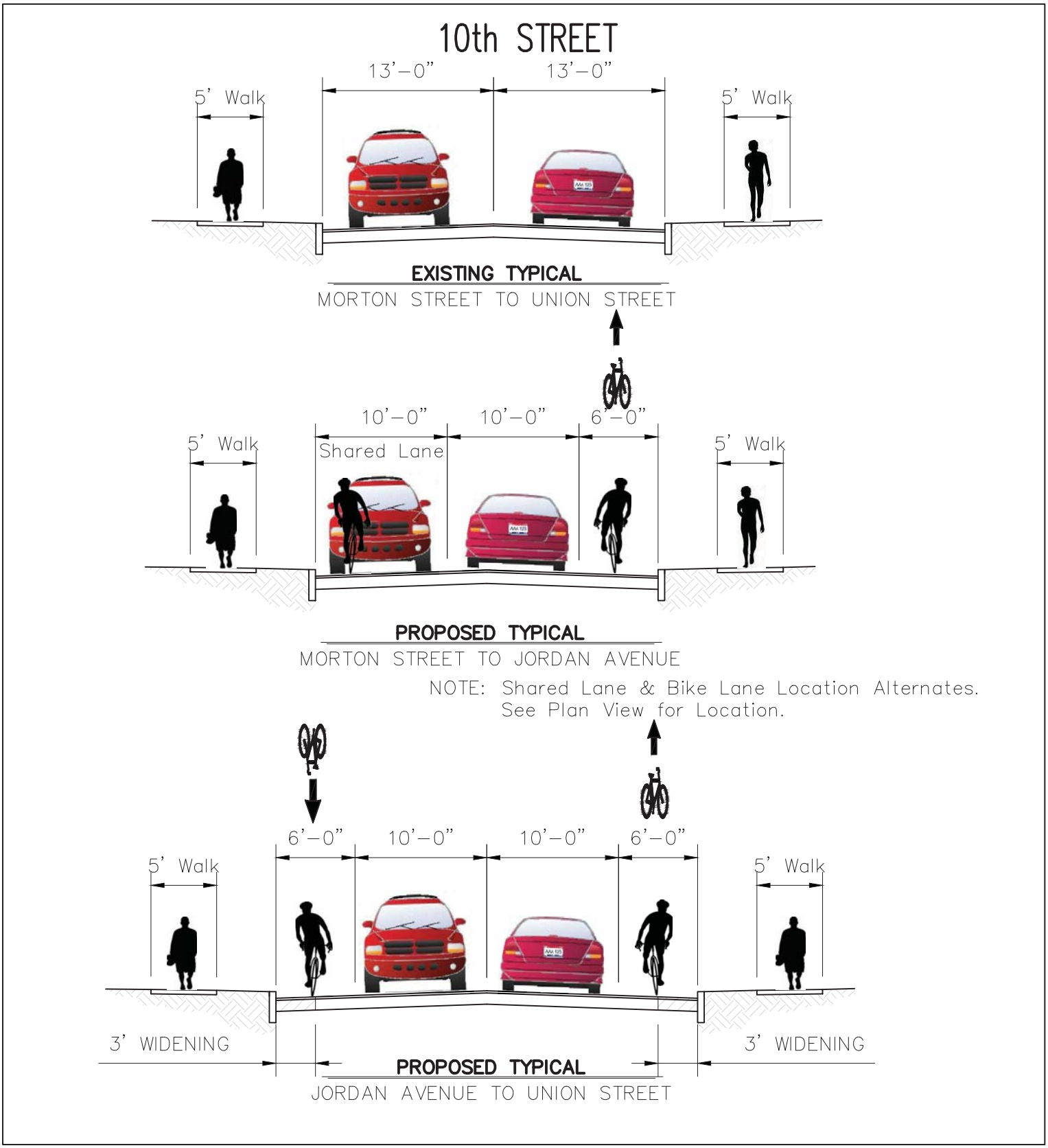
Bloomington Bikeways Implementation Plan

Source: Google Earth Aerial
Author: RW
Date: March2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



LT6 10th Street : Morton Street to Union Street

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

LT7 Law Lane: N Fee Ln to N Union St

Bloomington Bikeways Implementation Plan

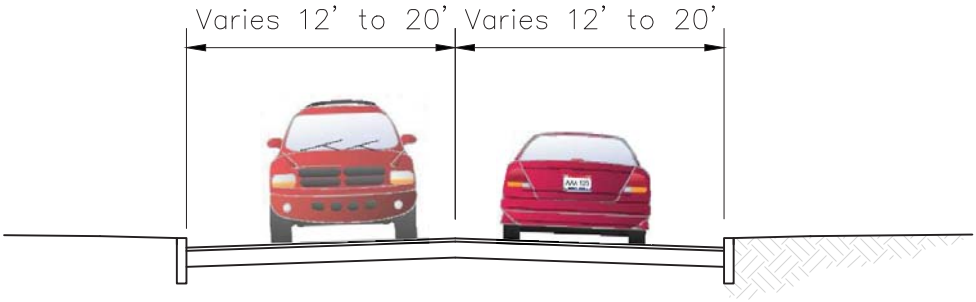
Source: Google Earth Aerial
Author: RW
Date: March 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

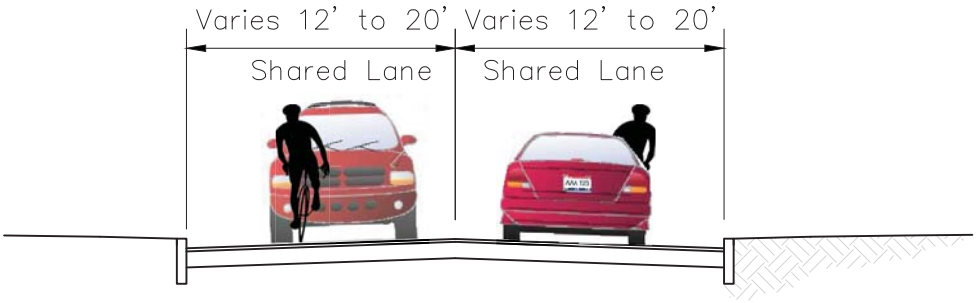
alta PLANNING + DESIGN

LAW LANE



EXISTING TYPICAL

N. FEE LANE TO UNION STREET



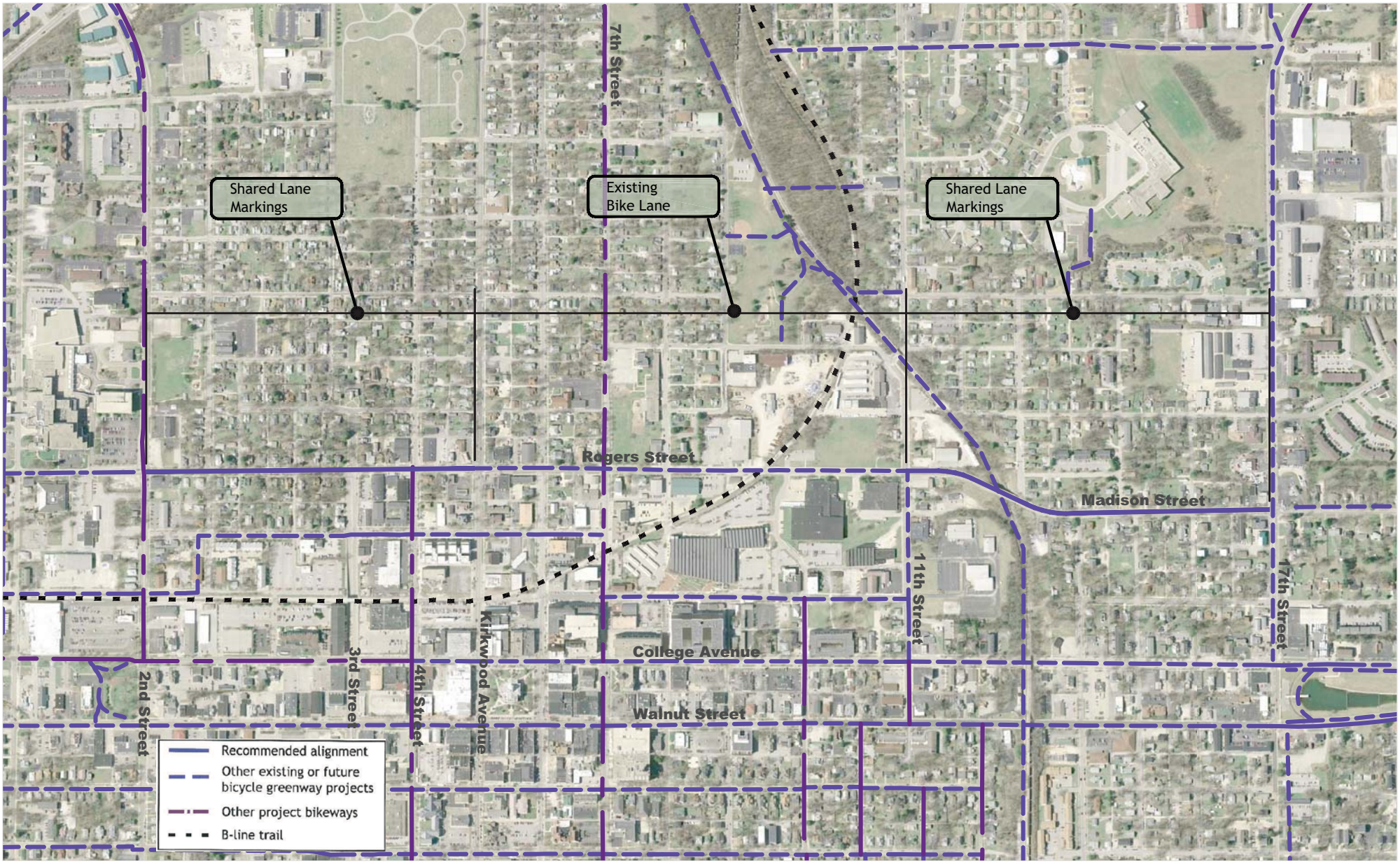
PROPOSED TYPICAL

N. FEE LANE TO UNION STREET

LT7 Law Lane : N Fee Lane to N Union Street

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN



LT8 Rogers & Madison Streets: 2nd Street to Kirkwood Avenue & 11th Street to 17th Street

Bloomington Bikeways Implementation Plan

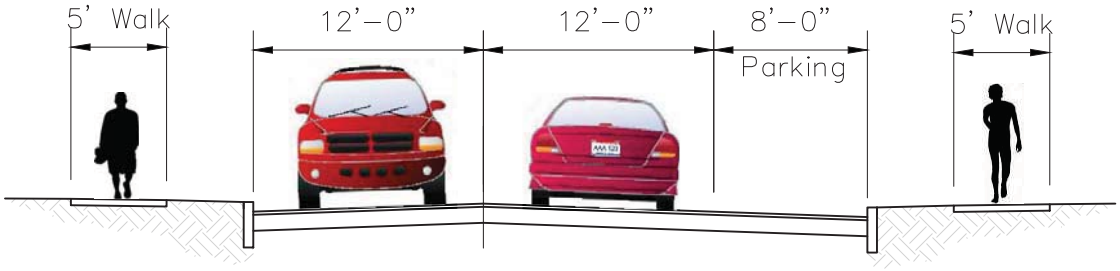
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

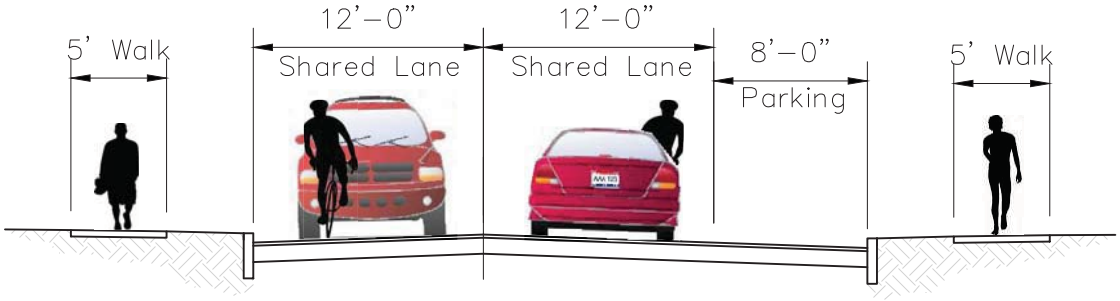
alta PLANNING + DESIGN

ROGERS STREET



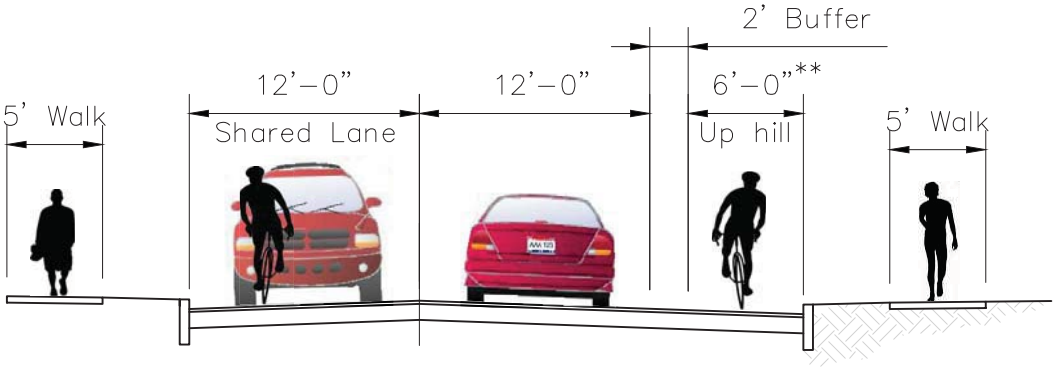
EXISTING TYPICAL

2nd STREET TO KIRKWOOD AVENUE
11th STREET TO 17th STREET



PROPOSED TYPICAL

2nd STREET TO KIRKWOOD AVENUE



PROPOSED TYPICAL

2nd STREET TO KIRKWOOD AVENUE – (Up hill locations)

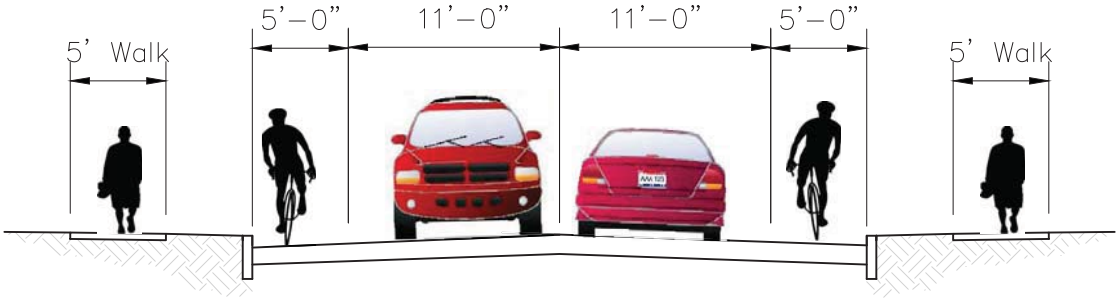
** Reference 2nd Street to Kirkwood Avenue
except where site investigation determines up hill grade.

LT8 Rogers Street : 2nd Street to Kirkwood Avenue & 11th Street to 17th Street

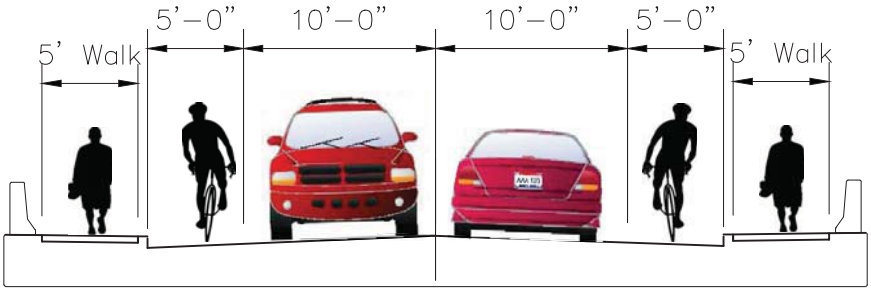
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

ROGERS STREET



PROPOSED TYPICAL
11th Street TO BRIDGE



PROPOSED TYPICAL
BRIDGE

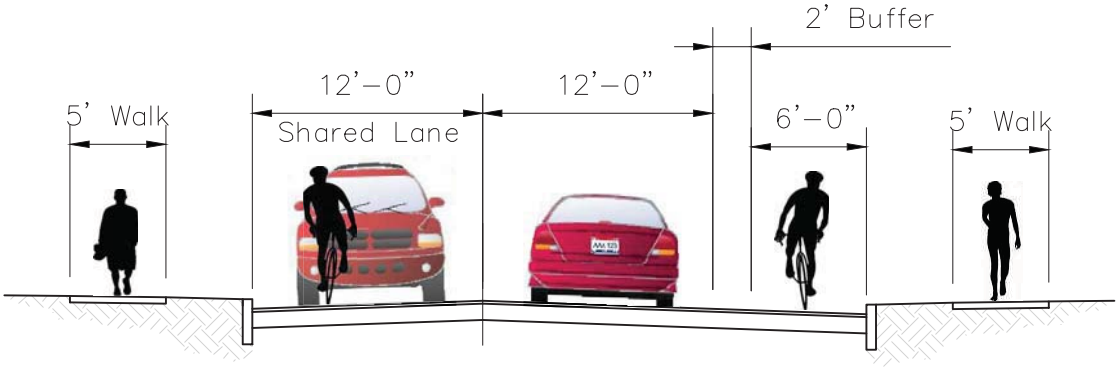
LT8 Rogers Street : 2nd Street to Kirkwood Avenue & 11th Street to 17th Street

Bloomington Bikeways Implementation Plan

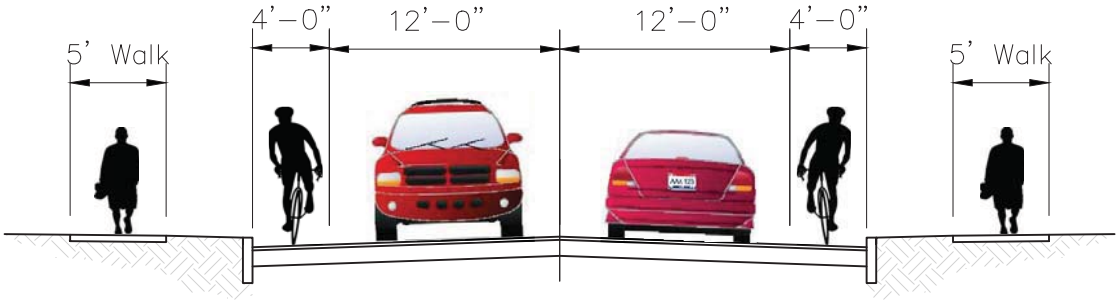
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

ROGERS STREET

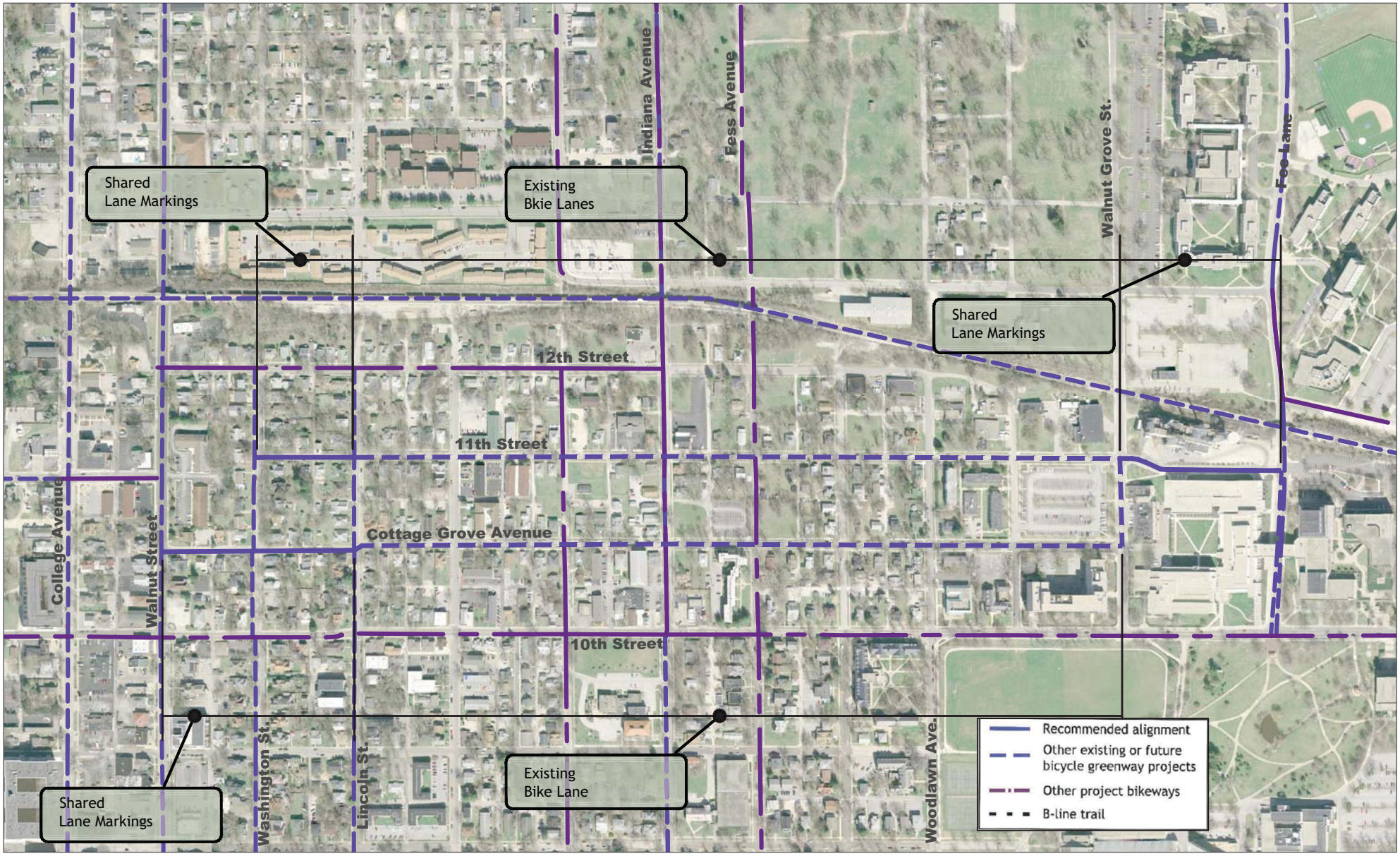


PROPOSED TYPICAL
BRIDGE to 17th STREET



PROPOSED TYPICAL
INTERSECTION LOCATIONS

LT8 Rogers Street : 2nd Street to Kirkwood Avenue & 11th Street to 17th Street



LT9 11th Street: Washington St. to Lincoln St. & Walnut Grove St. to Fee Lane
Cottage Grove Avenue: Walnut Street to Lincoln Street

Bloomington Bikeways Implementation Plan

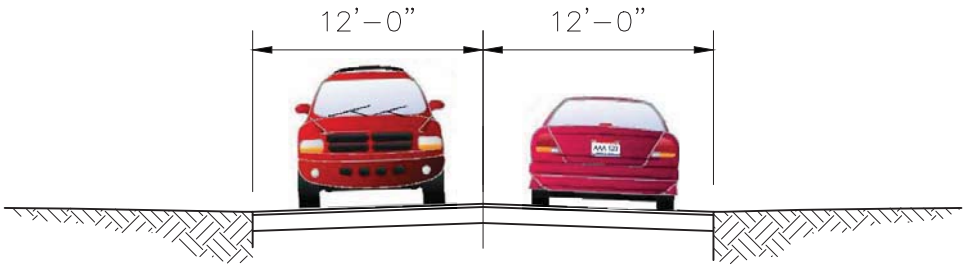
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

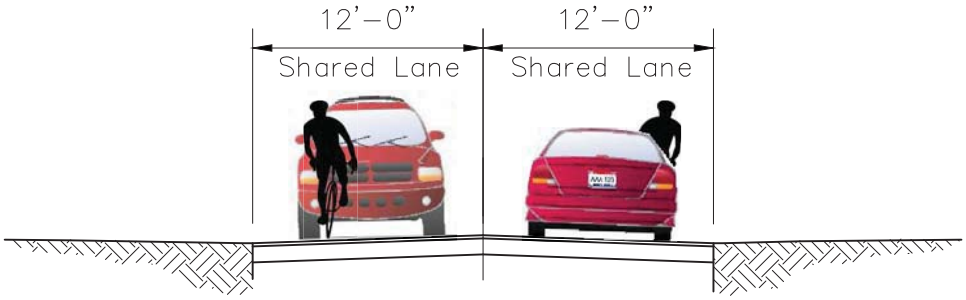
alta PLANNING + DESIGN

11th STREET



EXISTING TYPICAL

WASHINGTON STREET TO LINCOLN STREET



PROPOSED TYPICAL

WASHINGTON STREET TO LINCOLN STREET

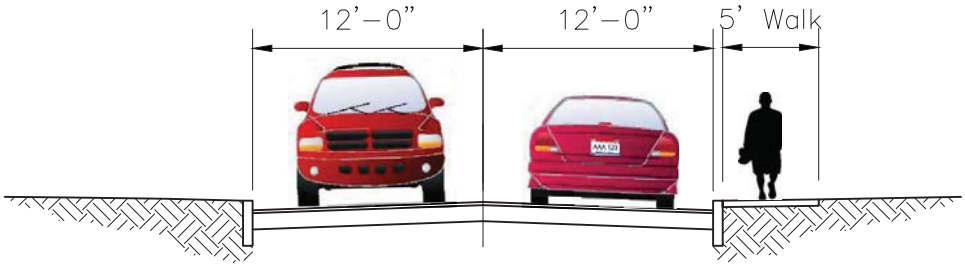
LT9 11th Street : Washington Street to Lincloln Street &
Walnut Grove Street to Fee Lane
Cottage Grove: Walnut Street to Lincoln Street

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

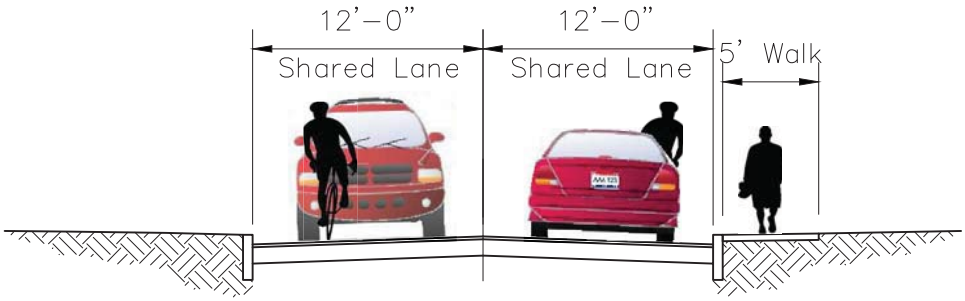
THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

11th STREET



EXISTING TYPICAL

WALNUT GROVE STREET TO FEE LANE



PROPOSED TYPICAL

WALNUT GROVE STREET TO FEE LANE

LT9 11th Street : Washington Street to Lincloln Street & Walnut Grove Street to Fee Lane
Cottage Grove: Walnut Street to Lincoln Street

Bloomington Bikeways Implementation Plan

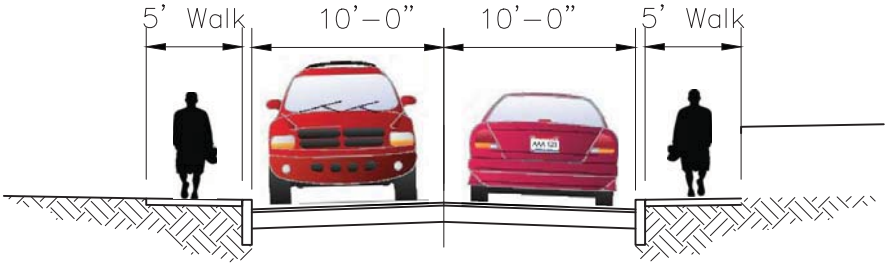
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

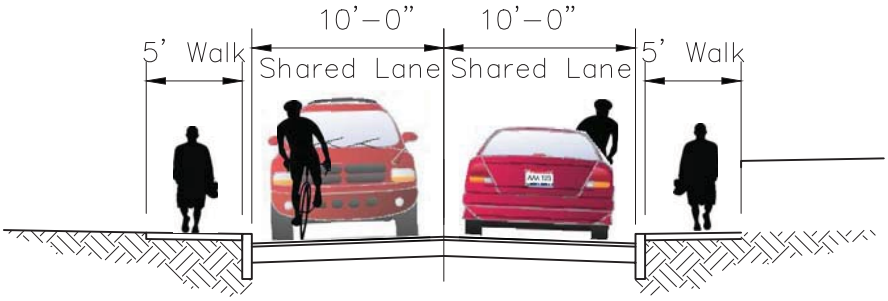
alta PLANNING + DESIGN

11th STREET



EXISTING TYPICAL

WALNUT STREET TO LINCOLN STREET



PROPOSED TYPICAL

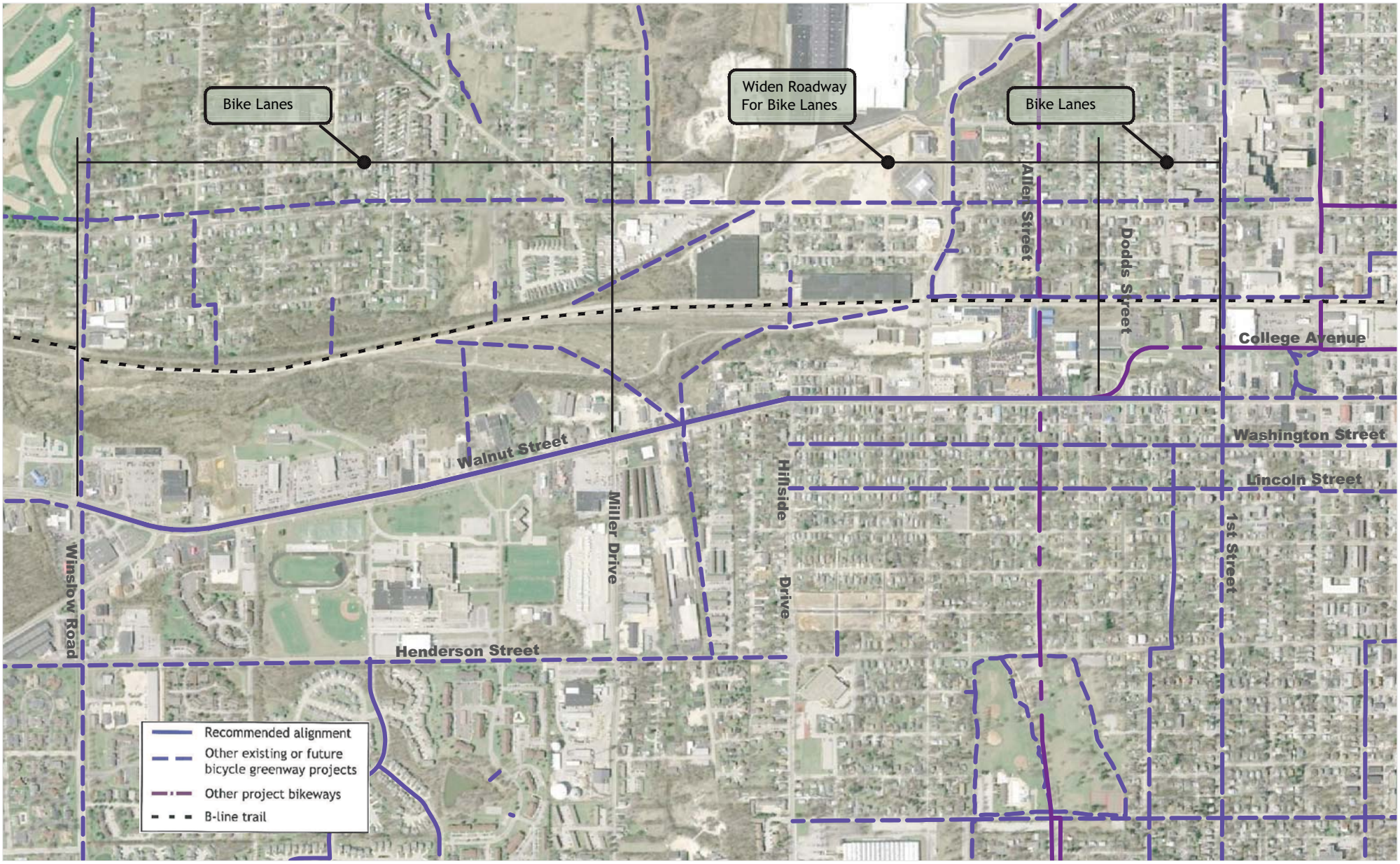
WALNUT STREET TO LINCOLN STREET

LT9 11th Street : Washington Street to Lincloln Street &
Walnut Grove Street to Fee Lane
Cottage Grove: Walnut Street to Lincoln Street

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

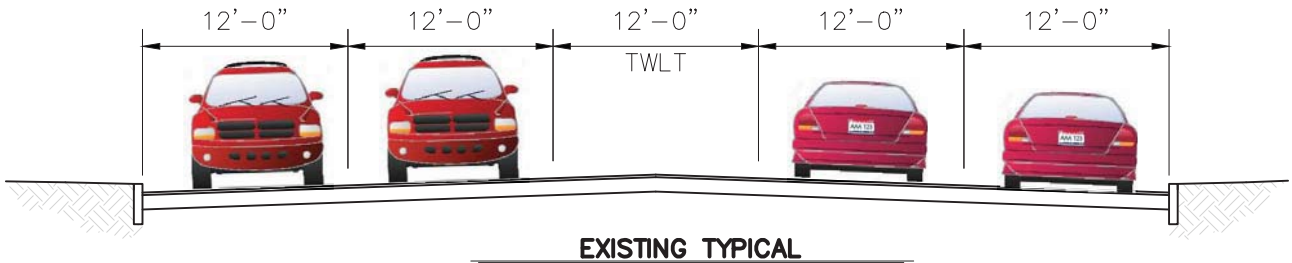


LT10 Walnut Street: Winslow Road to 1st Street

Bloomington Bikeways Implementation Plan
Source Google Earth Aerial
Author: JRF
Date: March, 2012

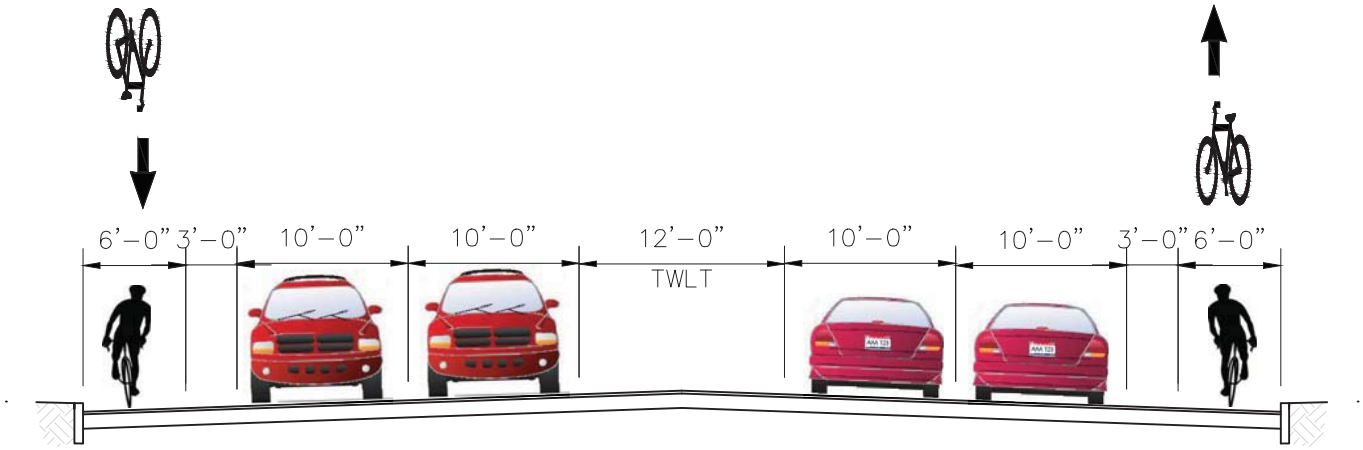
THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta PLANNING + DESIGN

WALNUT STREET - SOUTH



EXISTING TYPICAL

WINSLOW ROAD TO MILLER DRIVE



PROPOSED TYPICAL

WINSLOW ROAD TO MILLER DRIVE

LT10 Walnut Street : Winslow Road to 1st Street

Bloomington Bikeways Implementation Plan

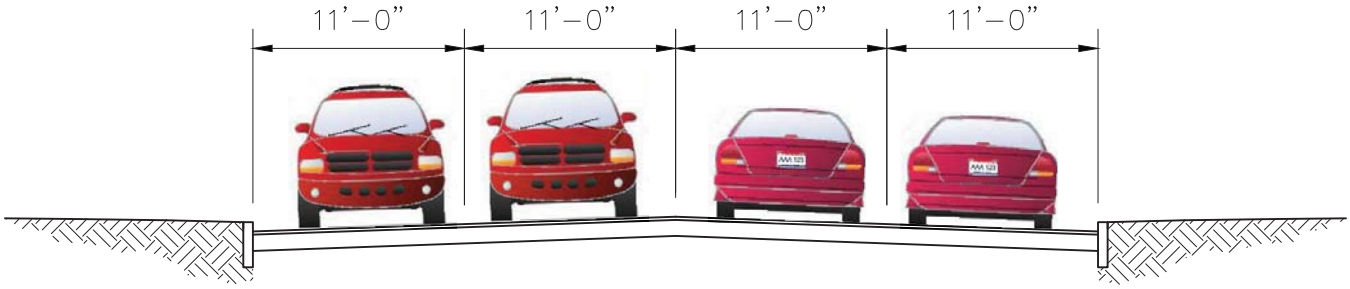
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

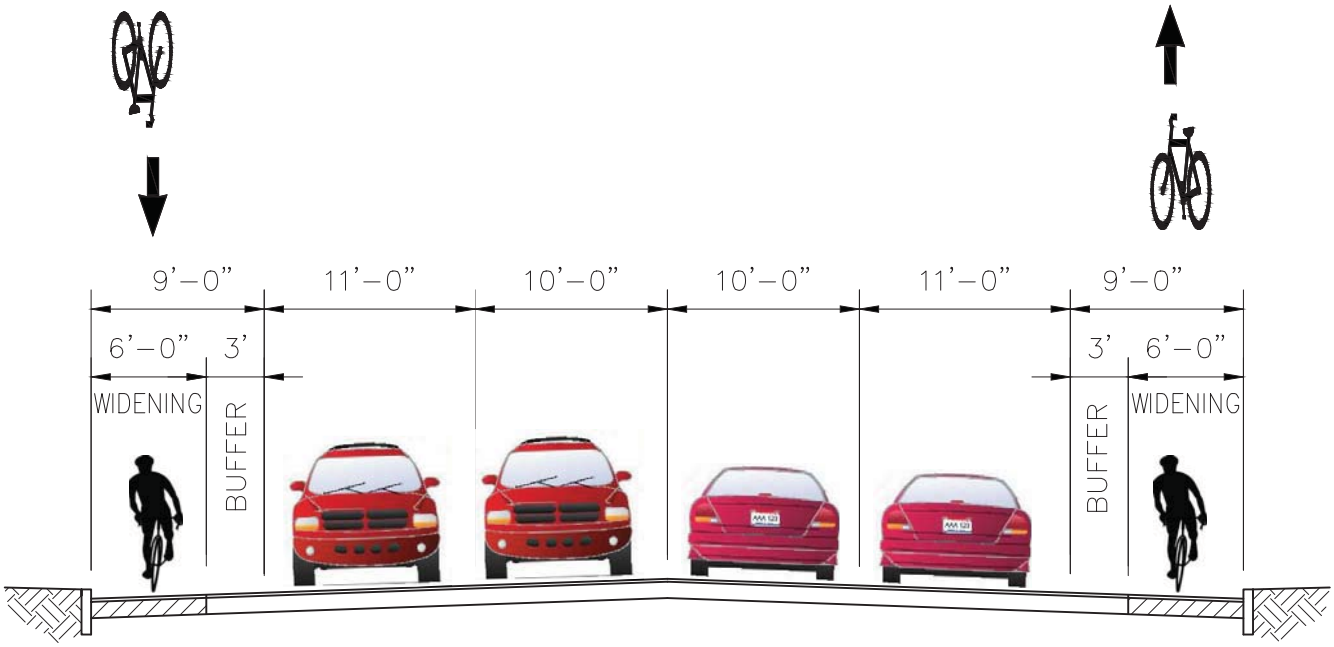
alta
PLANNING + DESIGN

WALNUT STREET – SOUTH



EXISTING TYPICAL

MILLER DRIVE TO COLLEGE AVENUE



PROPOSED TYPICAL

MILLER DRIVE TO COLLEGE AVENUE

LT10 Walnut Street : Winslow Road to 1st Street

Bloomington Bikeways Implementation Plan

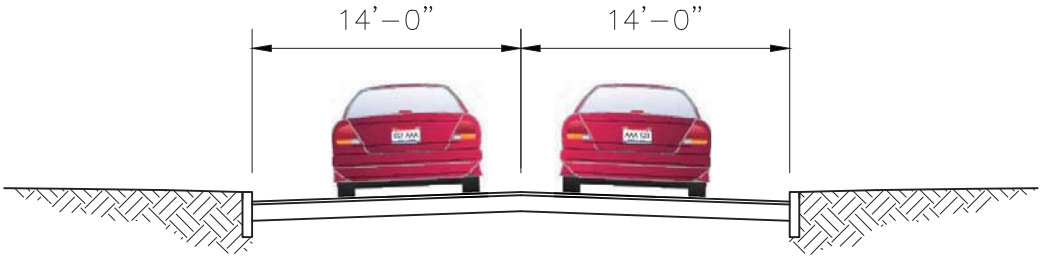
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

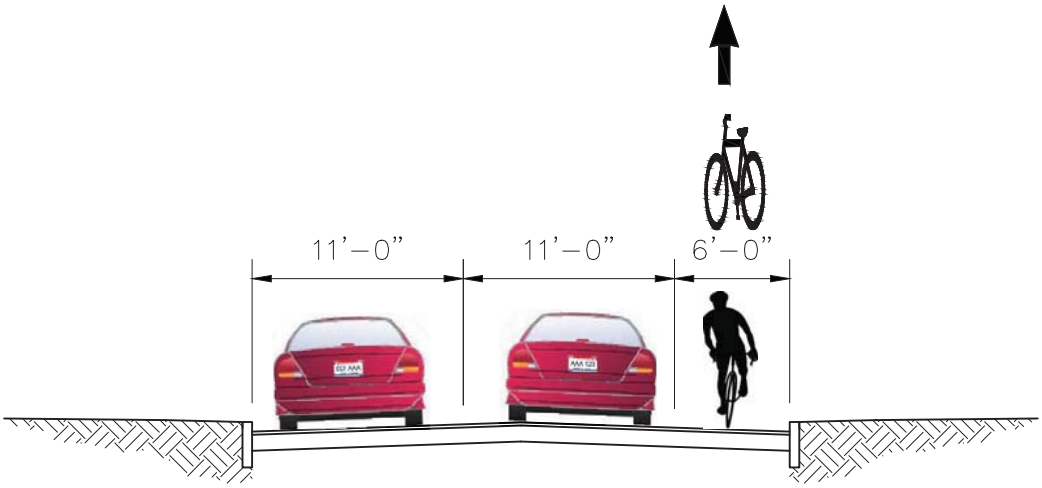
alta PLANNING + DESIGN

WALNUT STREET – SOUTH



EXISTING TYPICAL

COLLEGE AVENUE TO 1st STREET



PROPOSED TYPICAL

COLLEGE AVENUE TO 1st STREET

LT10 Walnut Street : Winslow Road to 1st Street

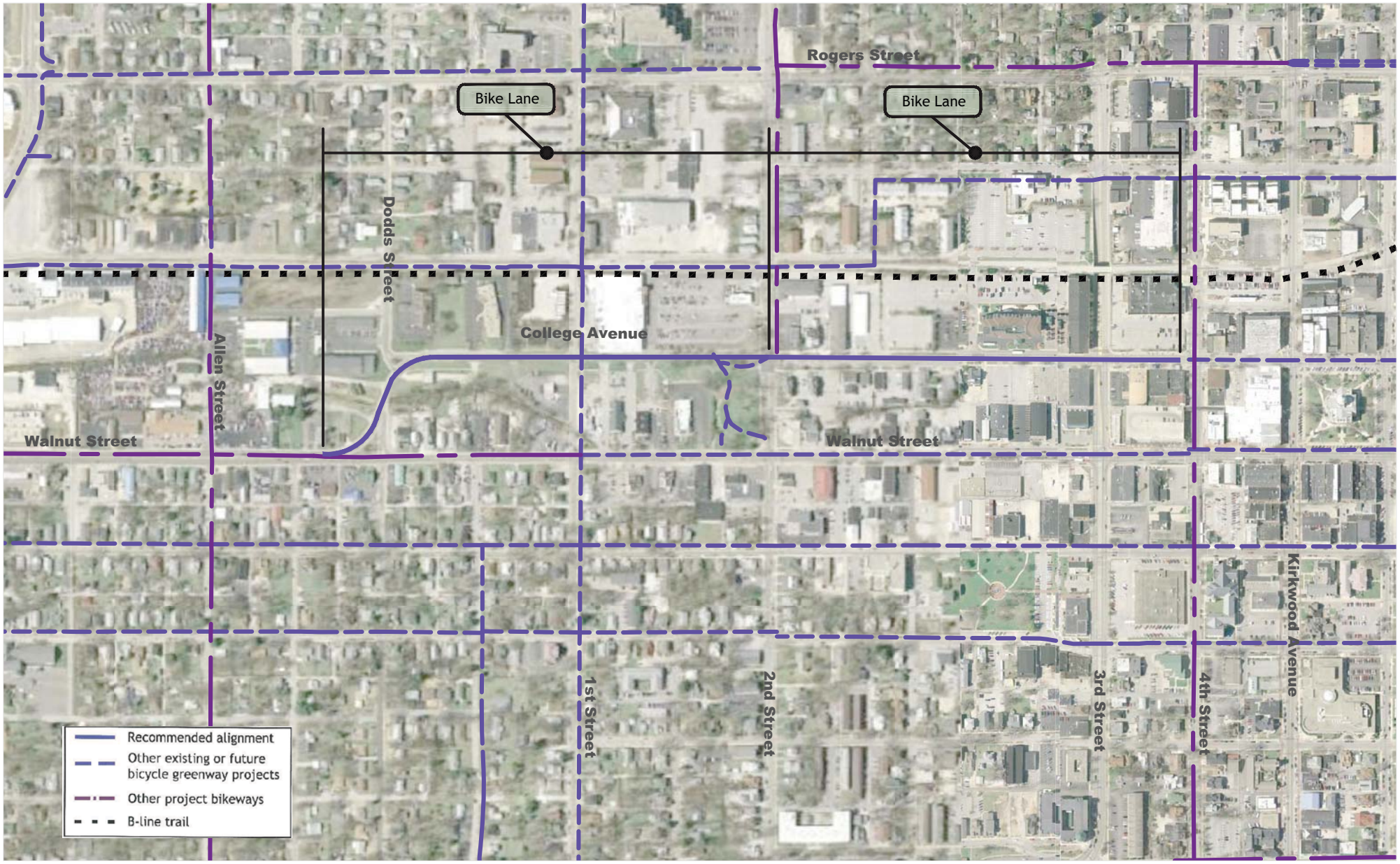
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



LT11 College Avenue: Walnut Street to 4th Street

Bloomington Bikeways Implementation Plan

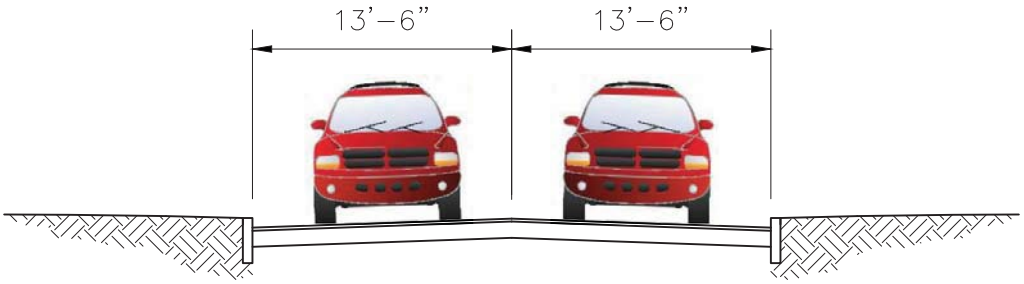
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

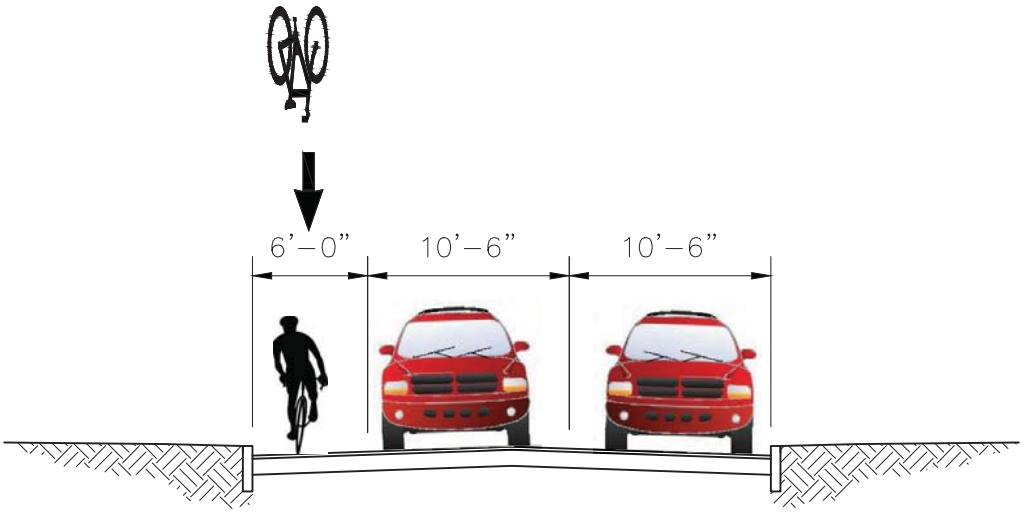
alta
PLANNING + DESIGN

COLLEGE AVENUE



EXISTING TYPICAL

WALNUT STREET TO 2nd STREET



PROPOSED TYPICAL

WALNUT STREET TO 2nd STREET

LT11 College Street : Walnut Street to 4th Street

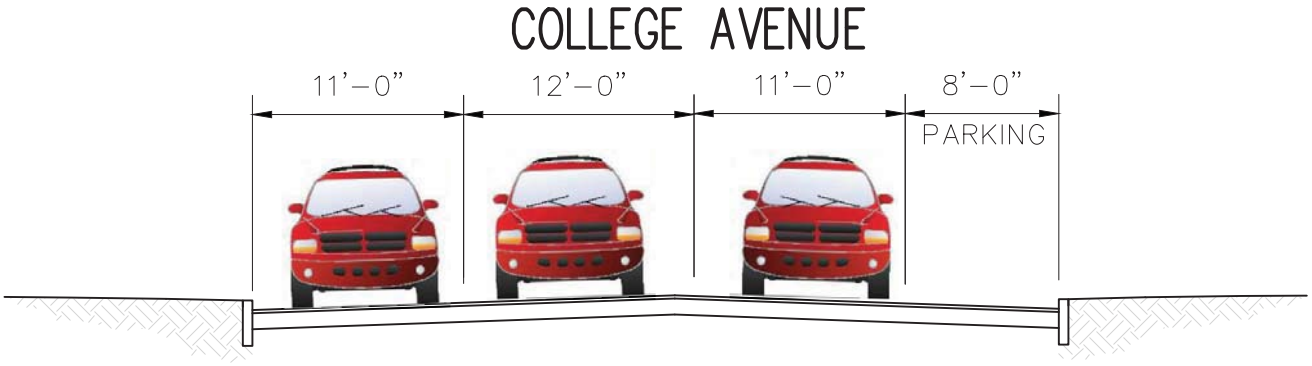
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

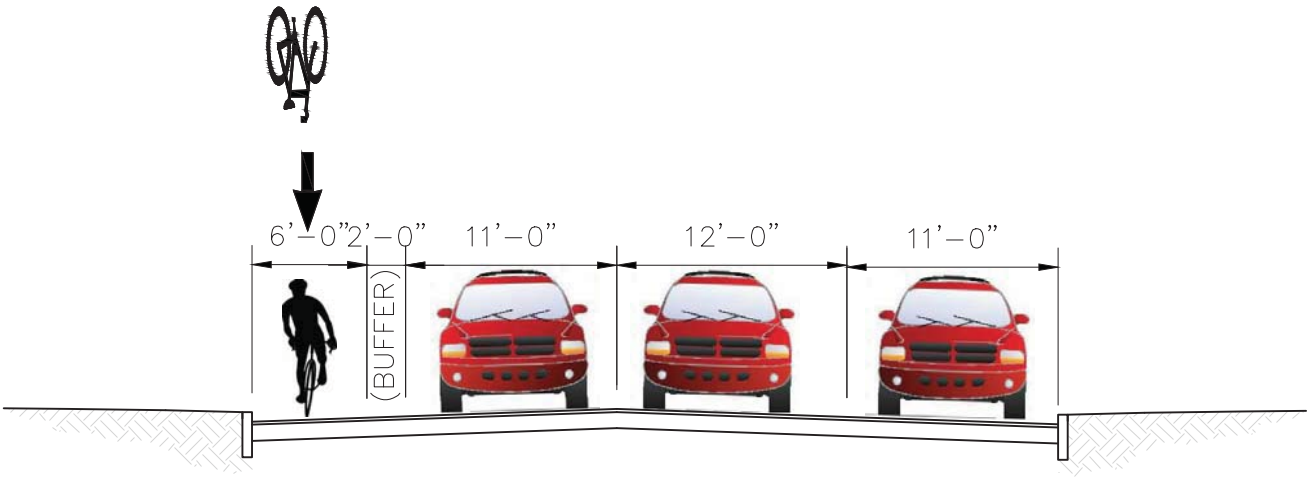
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta
PLANNING + DESIGN



EXISTING TYPICAL

2nd STREET TO 4th STREET



PROPOSED TYPICAL

2nd STREET TO 4th STREET

LT11 College Street : Walnut Street to 4th Street

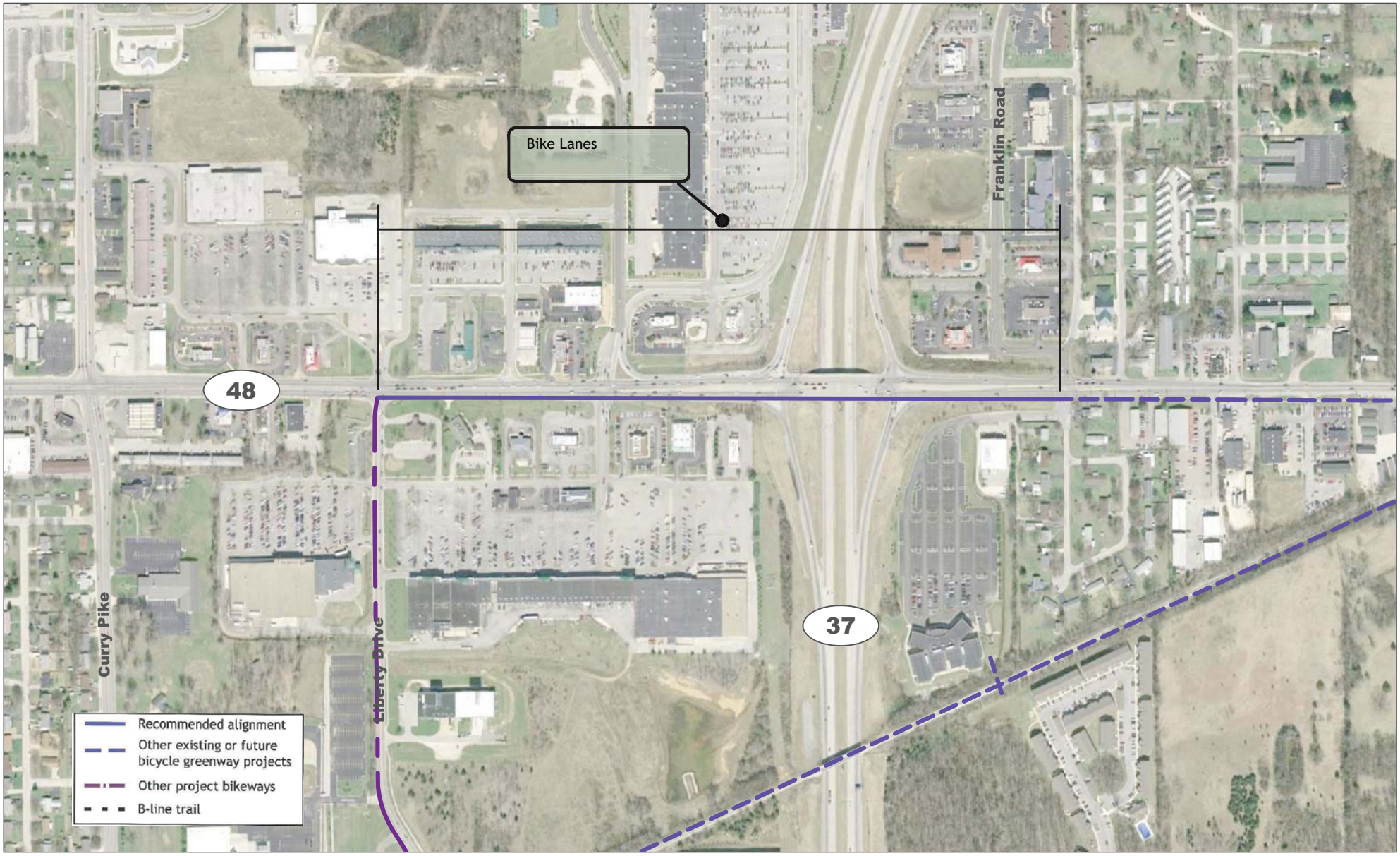
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



LT12 West Third Street: Liberty Drive to Franklin Road

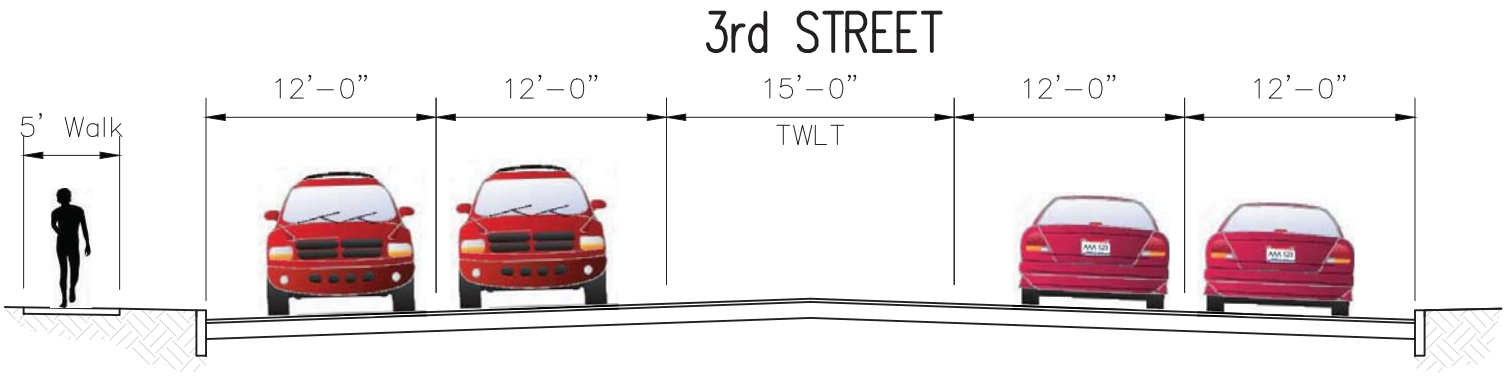
Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

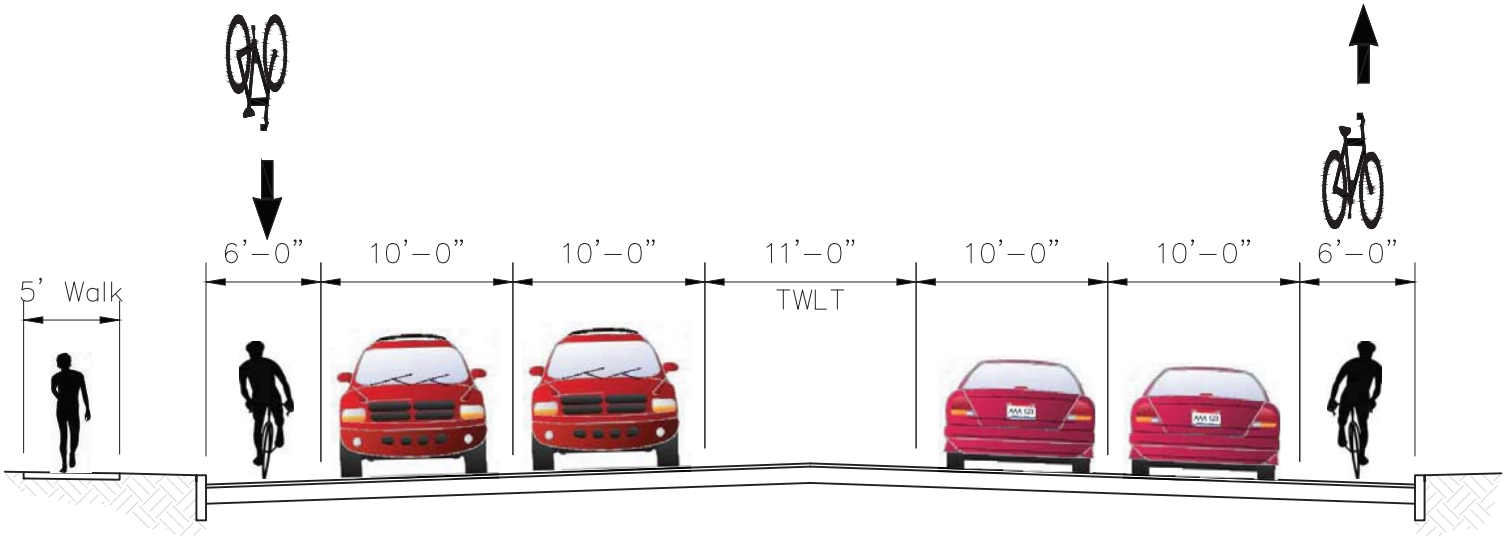
BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN



EXISTING TYPICAL

LIBERTY DRIVE TO FRANKLIN ROAD



PROPOSED TYPICAL

LIBERTY DRIVE TO FRANKLIN ROAD

LT12 3rd Street : Liberty Drive to Franklin Road

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

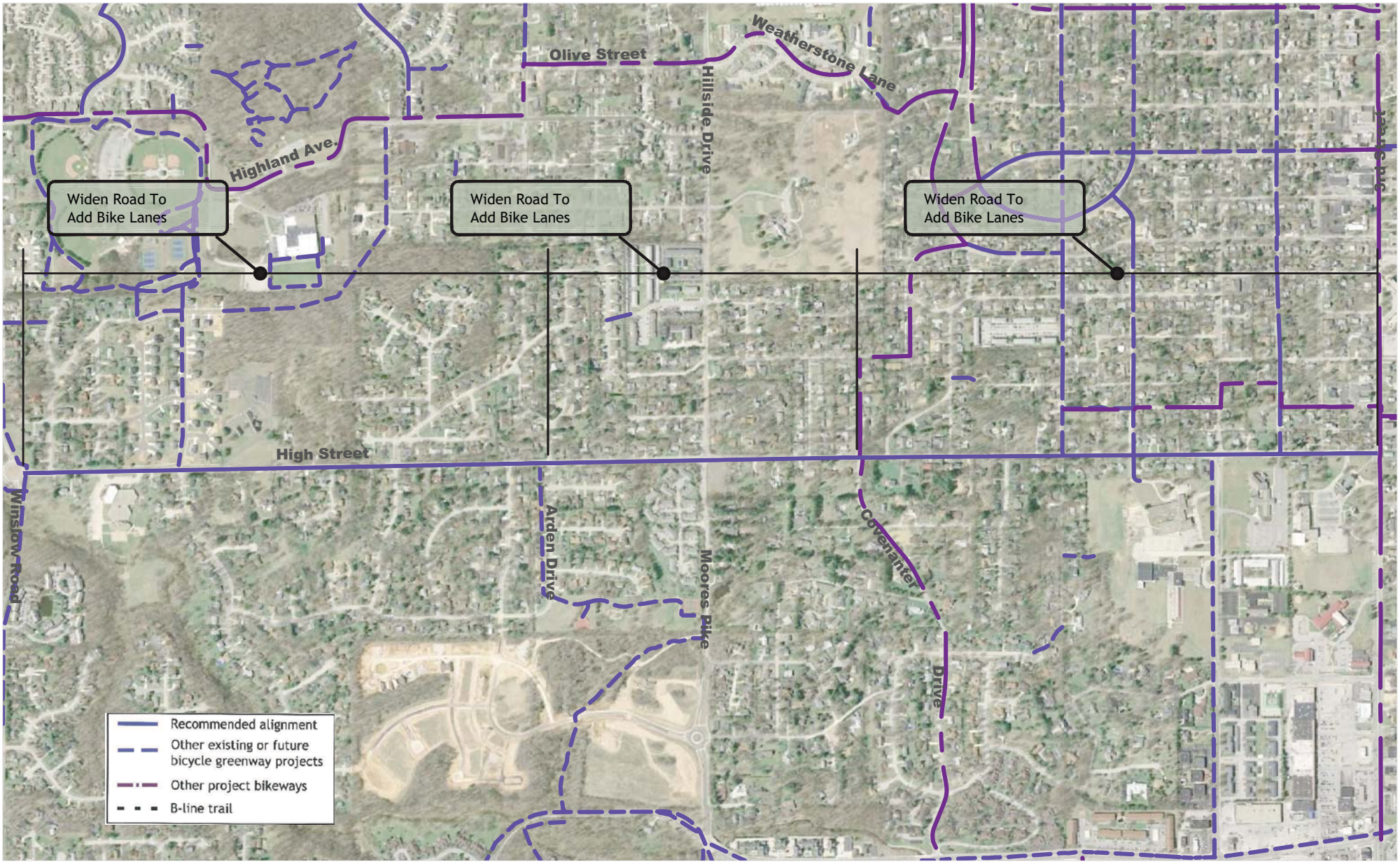
alta PLANNING + DESIGN

LT12 W. 3rd Street: Liberty Drive to Franklin Road

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON
BURGESS & NIPLE
Engineers ■ Architects ■ Planners
alta
PLANNING + DESIGN



LT13 High Street: Winslow Road to 3rd Street

Bloomington Bikeways Implementation Plan

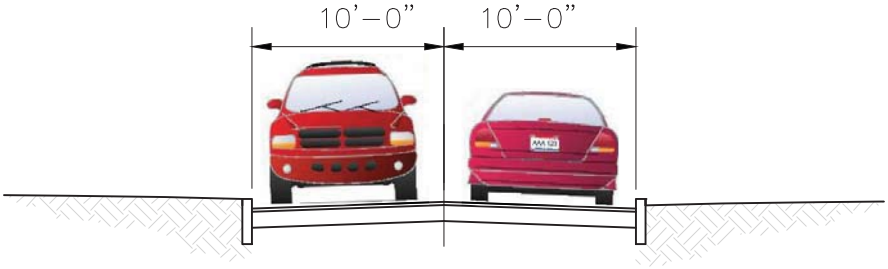
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

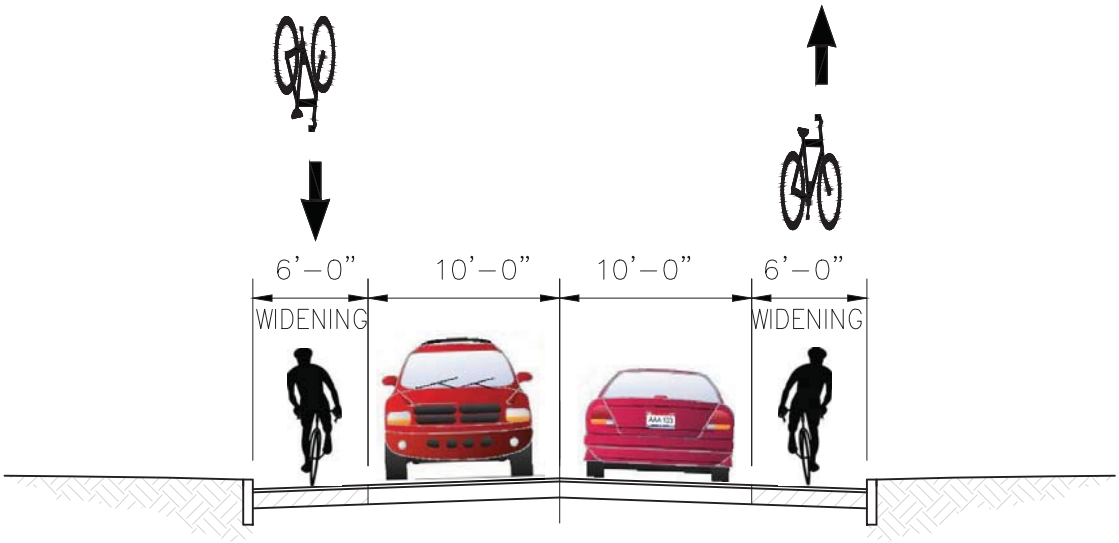
alta
PLANNING + DESIGN

HIGH STREET



EXISTING TYPICAL

WINSLOW STREET TO ARDEN DRIVE



PROPOSED TYPICAL

WINSLOW STREET TO ARDEN DRIVE

LT13 High Street : Winslow Road to 3rd Street

Bloomington Bikeways Implementation Plan

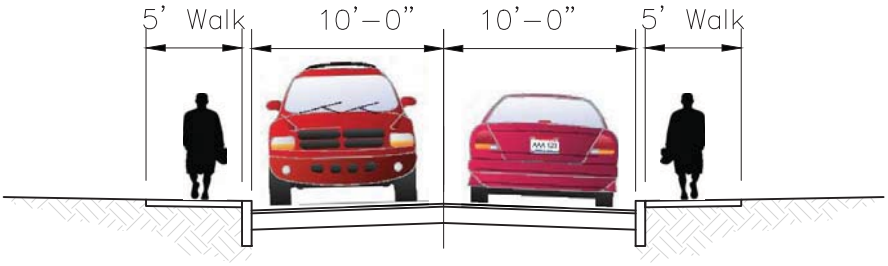
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

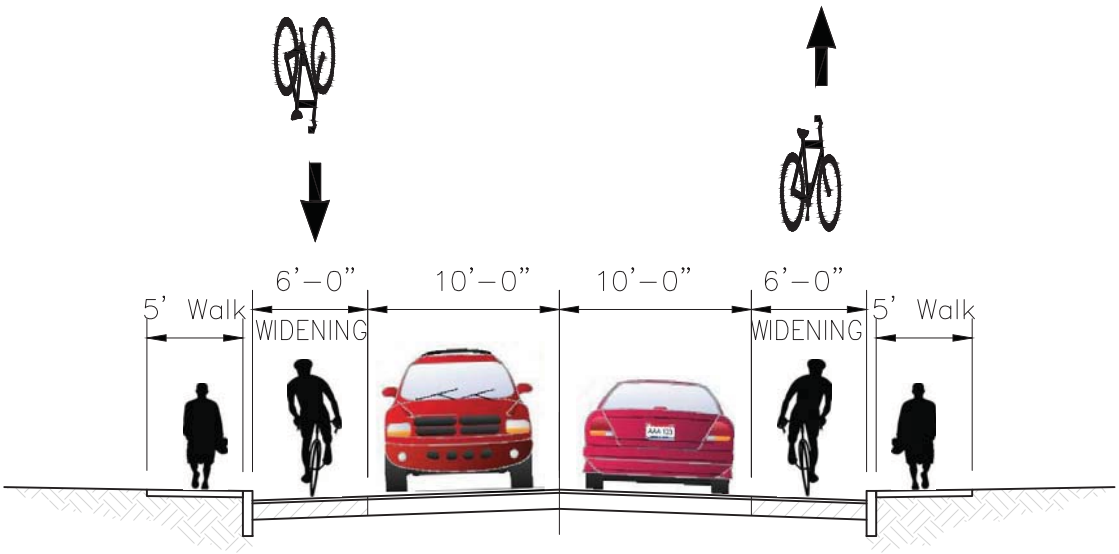
alta PLANNING + DESIGN

HIGH STREET



EXISTING TYPICAL

ARDEN DRIVE TO CONVENANTER DRIVE



Proposed Widening/Curb/Sidewalk
Both Sides

PROPOSED TYPICAL

ARDEN DRIVE TO CONVENANTER DRIVE

LT13 High Street : Winslow Road to 3rd Street

Bloomington Bikeways Implementation Plan

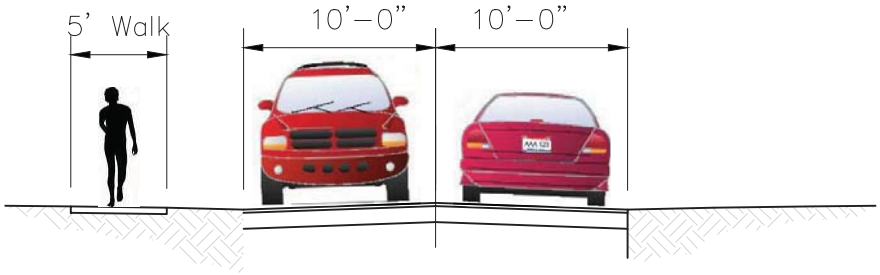
Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

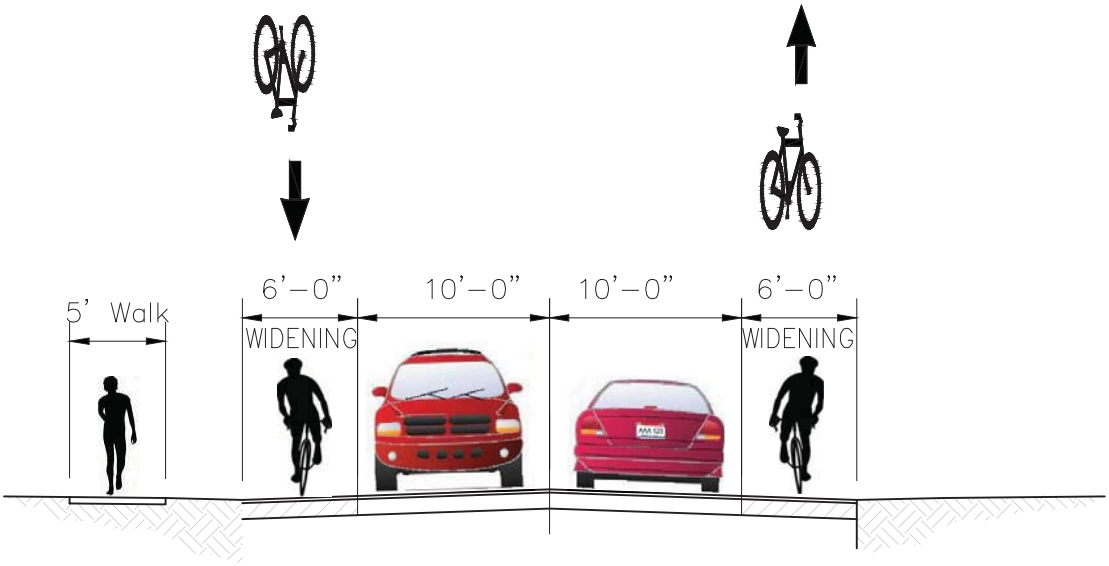
alta PLANNING + DESIGN

HIGH STREET



EXISTING TYPICAL

CONVENANTER DRIVE TO 3rd STREET



Proposed Widening & Sidewalk, LT.

PROPOSED TYPICAL

CONVENANTER DRIVE TO 3rd STREET

LT13 High Street : Winslow Road to 3rd Street

Bloomington Bikeways Implementation Plan

Source Google Earth Aerial
Author: JRF
Date: March, 2012

THE CITY OF BLOOMINGTON

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

alta PLANNING + DESIGN

Longer Term Projects

Number	Project	Limits	Traffic Calming Possible?		Length	Pavement Width	# of Lanes	Speed	Parking Left	Parking Right	Traffic Volume	Bike Facility Type	Cost Estimate
LT1	2nd St.	S. Adams St. to College Ave.	No	Primary Arterial	4425	23 - 38	3 & 2	30	No	No	12450 - 16605	Bike Lanes	**$54,470.00**
LT2	Liberty Drive Bike Lanes	SR 45 to SR 48	No	Primary collector	7775	35 - 45	2	25	No	No	10802 - 11808	Bike Lanes	**$86,710.00**
LT3A	College Avenue Bike Lanes	Old SR 37 (Miller Showers Park) to SR 45/46	No	Primary Arterial	1075	28	2	30	No	No	8772	Bike Lanes	**$10,442.50**
LT3B	Walnut Street Bike Lanes	SR 45/46 to Old SR 37	No	Primary Arterial	7690	41	4 & 2	40	No	No	16145	Buffered Bike Lanes	**$123,226.00**
LT4	Arlington Road Bike Lanes	Monroe Street to SR 37	No	Secondary arterial	6020	24 - 40	2	40	No	No	4954 - 5761	Bike Lanes	**$70,408.00**
LT5	12th Street Bike Lanes	Walnut Street to Indiana Avenue	Yes	local	1850	24	2	25	Yes	No		Shared Lane Markings	**$5,940.00**
LT6	10th Street Bike Lanes*	Morton Street to Union Street	Yes	Local	7550	26 - 30	2	30	No	No	6199 - 13270	Bike Lane one side, Shared Markings other	**$79,370.00**
LT7	Law Lane Bike Lanes*	Fee Lane to Union Street	No	Secondary Arterial	2635	24 - 40	2	25	Yes	Yes	4963	Shared Lane Markings	**$4,954.00**
LT8	Rogers Street Bike Lanes	2nd Street to Kirkwood Ave	No	Primary Arterial	1905	30 - 36	2	30	No	Yes	9710 - 10213	Shared Lane Markings	$16,137.00
		11th Street to 17th Street			2110	29 - 36	2	30	N/Y	N/Y	7902	Bike Lanes	$27,794.00
													$43,931.00
LT9	11th St./Cottage Grove	Cottage Grove: N. Walnut to N. Lincoln	Yes	Local	710	20	1	25	No	Yes		Shared Lane Markings	$2,884.00
		11th: N. Washington to N. Lincoln			350	20	1	25	No	Yes		Shared Lane Markings	$2,090.00
		11th: Walnut Grove Street to N. Fee			585	24	1	25	No	No		Shared Lane Markings	$2,184.00
													$7,158.00
LT10	Walnut Street Bike Lanes	Winslow Road to Miller Drive	No	Primary arterial	4080	45 - 60	4	30	No	No	18644 - 20414	Widen Road to Add Buffered Bike Lanes	$1,574,799.08
		Miller Drive to S. College Avenue			3660	46 - 60	4	30	No	No	20414 - 27052	Widen Road to Add Buffered Bike Lanes	$971,046.77
		S. College Avenue to 1st Street			925	29 - 47	2	30	No	No	13487	Bike Lane	$9,907.50
													$2,555,753.35
LT11	College Avenue Bike Lanes	Walnut Street to W. 2nd Street	No	Primary arterial	1850	26 - 28	2	30	No	No	10938	Bike Lanes or Buffered Bike Lanes	$19,815.00
		W. 2nd Street to 4th Street			1530	42	3	30	No	No	13556	Bike Lanes or Buffered Bike Lanes	$19,162.00
													$38,977.00
LT 12	W. 3rd Street Bike Lanes	Liberty Drive to Franklin Road	No	Primary Arterial	2520		4	35	No	No	12834	Bike Lanes	**$43,358.00**
LT 13	High Street	Winslow Street to E. Arden Drive	No	Primary collector	3905	20	2					Widen Road to Add Bike Lanes	$881,422.44
		E. Arden Dr to Covenanter Drive			2300	20	2	30	No	No	5382 - 5740	Widen Road to Add Bike Lanes	$518,663.47
		Covenanter Drive to 3rd Street			3875	20 - 36	2	20	No	No	5605 - 7721	Widen Road to Add Bike Lanes	$876,009.66
													$2,276,095.57

Immediate Projects subtotal Construction Cost	69325	**$5,357,435.42**
Contingency (10%)		**$535,743.54**
Immediate Projects total Construction Cost		**$5,893,178.96**