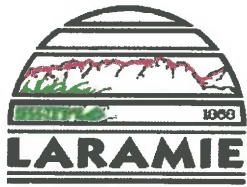


APPENDIX C

Presentations



Bill Nye Avenue Corridor Study

Steering Committee Meeting #1

August 25, 2015

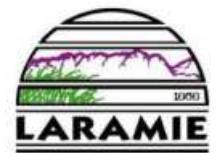


•LIST OF ATTENDEES •

NAME	COMPANY	EMAIL	CELL
Brad Emmons	AVI	emmons@avipc.com	631-6861
MARK WINGATE	WYDOT	mark.wingate@wyo.gov	777-4180
EARL SMITH	LARAMIE	ESMITH@CITYOFLARAMIE.ORG	721-5241
Jeff Purdy	FHWA	Jeffrey.Purdy@dot.gov	771-2942
Eric Jaap	COL	ejaap@cityoflaramie.org	343-3346
RANDY GRIESBACH	WYDOT	randy.griesbach@wyo.gov	745-2116 c 760-4108
Randy Hunt	City of Laramie	rhunt@cityoflaramie.org	307-343-3308
Charles Bloom	City of Laramie	cbloom@cityoflaramie.org	721-5232
TOM COBB	AVI, P.C.	cobba@avipc.com	970.214.6542

BILL NYE AVENUE CORRIDOR STUDY

Steering Committee Meeting
August 24, 2015



Agenda

- Administrative
 - Data Needs
 - Goals of Meeting
- Stakeholder Ideas
 - Primary Connections
 - Sanders Street (Comprehensive Plan)
 - 4th Street
 - Boswell Drive
 - 9th Street
 - Realign Boswell
 - RAB Boswell
 - RAB 3rd Street
 - Dual RAB (RAB 3rd Street and RAB EB Off Ramp/ EB On Ramp)
 - Other Ideas
- Possible Alternatives for Public Meeting
 - Pro's and Con's
- Conceptual Typical Section
- Additional Brainstorm Ideas
- Where to we go from here?

Administrative

- Data Needs
 - Larger Land Use Plan Area
- Goals of Meeting
 - Review and Evaluate Stakeholder and Consultant Options
 - Establish Options to Developed for Public Meeting
 - Set Tentative Date for Steering Committee Meeting #2
 - Set Tentative Date for Public Meeting

Original Sanders Street Connection



4th Street Connection



Boswell Drive Connection



9th Street Connection



Other Alternates Realign Boswell at 3rd St.



Other Alternates Realign Boswell



RAB Boswell Drive



RAB 3rd Street



Dual RAB 3rd Street at Boswell/ EBL I-80



RT Turn In and Out at Boswell Drive



Other Ideas

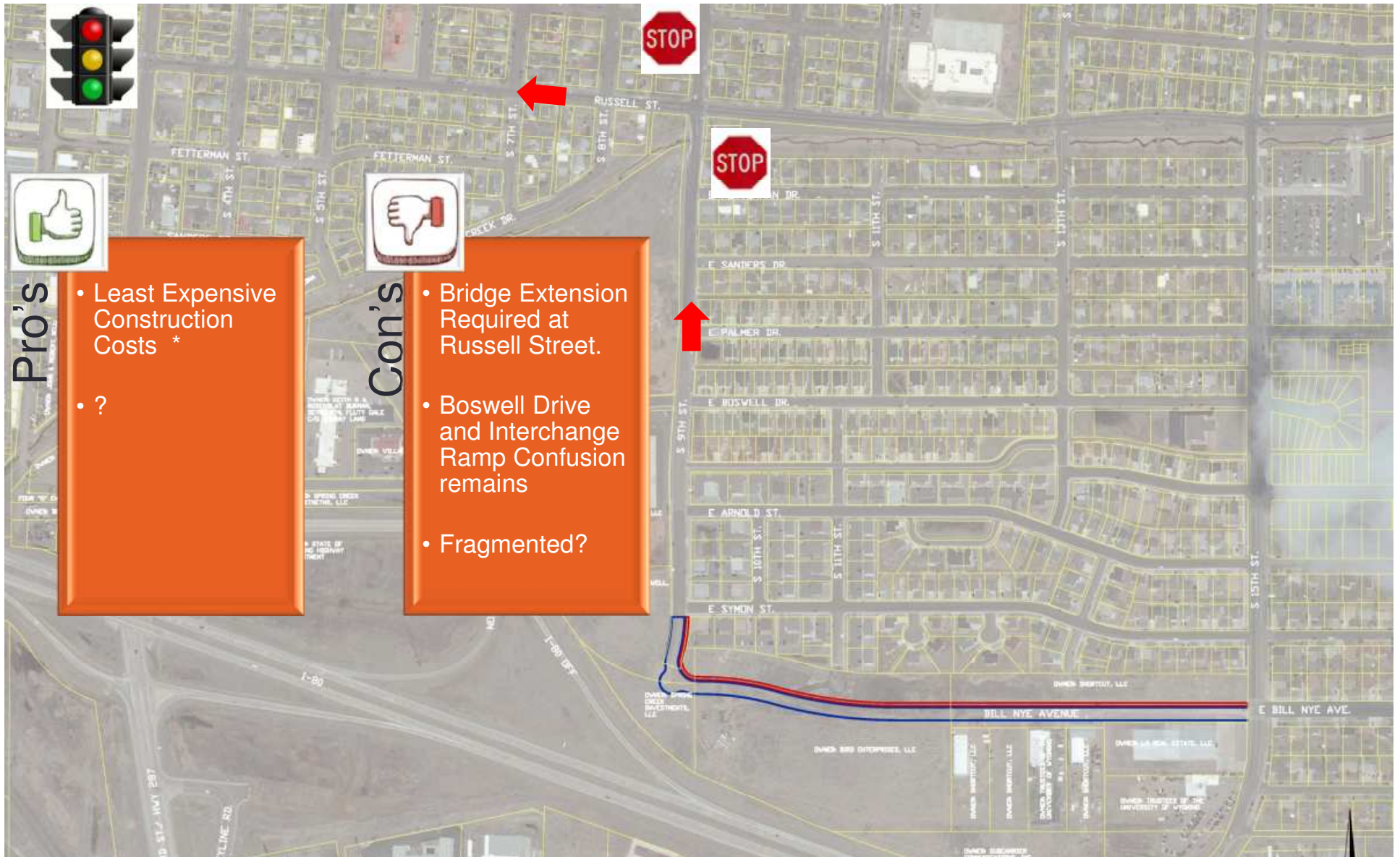
- Indirect Left Turn parkway 3rd Street
- Grade Separated Interchange for WBL On-ramp
- Large Roundabout under Overpass Structure/ reconfigure ramps



Possible Alternatives for Public Meeting

- 9th Street Connection
 - Bill Nye Avenue to 9th Street to Russell Street
- 5th Street Connection
 - Bill Nye Avenue to 5th Street to Russell Street
- Bill Nye Realignment
 - Bill Nye Avenue to 3rd Street
- RAB Bill Nye Avenue at Boswell
 - RAB Bill Nye Avenue at Boswell Avenue

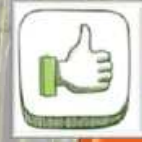
9th Street Connection



5th Street Connection



Bill Nye Realignment



Pro's

- Provides Direct Connection to 3rd Street
- Provides Separation between I-80 EB On-ramp
- Construction Cost \$**?



Con's

- Property impacts/ acquisition required
- Boswell Drive at 3rd Connection and Interchange Ramp issues remain
- ?

RAB Boswell Combined w/ WBL Off Ramp and EBL On Ramp



Pro's

- Segregates Commercial and Residential Traffic
- Eliminates Boswell Drive and EBL On/Ramp confusion
- Provides redevelopment Potential
- Possible pedestrian connection



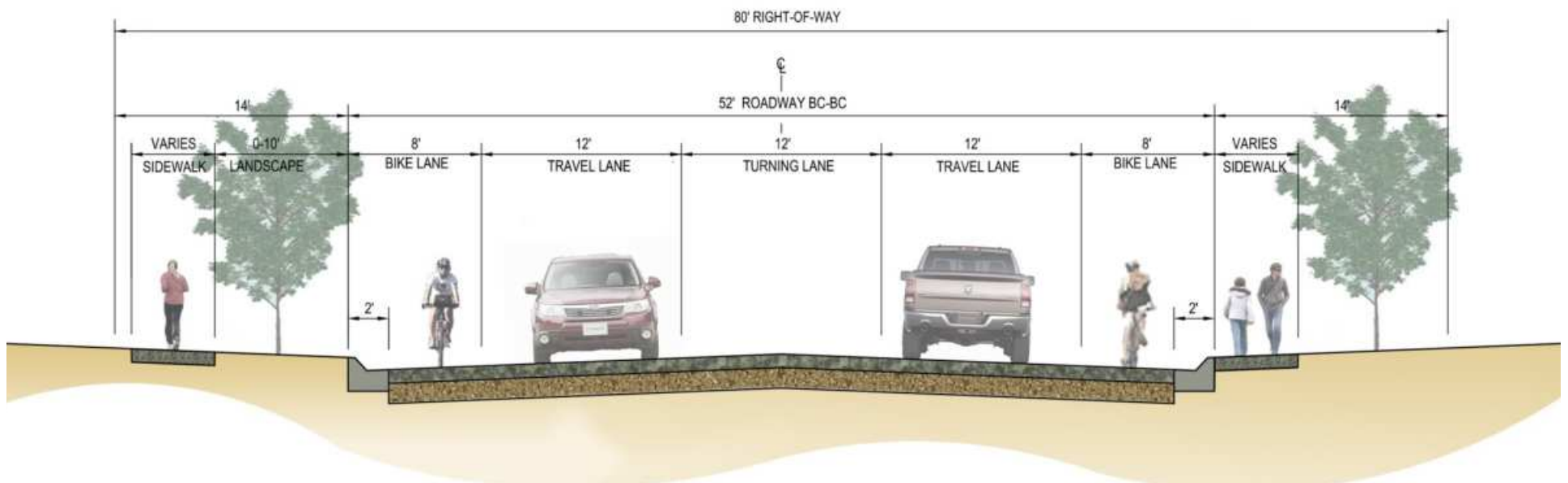
Con's

- Construction Alternative \$****
- Partial Reconstruction of Boswell Drive
- ?

Other Brainstorm Ideas



Conceptual Typical Section?



- Refine Options
- Conduct Environmental Review
- Set Tentative Date for Steering Committee Meeting #2
- Set Tentative Date for Public Meeting (1)

[illegible]

BILL NYE AVENUE CORRIDOR STUDY KICK OFF MEETING

SEPTEMBER 22, 2015 @10:00 A.M.

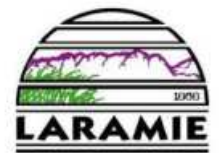
•LIST OF ATTENDEES •



NAME	COMPANY	EMAIL	PHONE/ CELL
Tom Cobb	AVI	cobb@avipc.com	970-214-6542
Jake Wilson	AVI	jwilson@avipc.com	719-684-5139
MARK WINGATE	WYDOT	mark.wingate@wyo.gov	777-4180
Eric Jaap	COL	ejjaap@cityoflaramie.org	721-5345
PHIL PRATT	FHWA	philip.pratt@dot.gov	721-2951
RANDY GRIESBACH	WYDOT	randy.griesbach@wyo.gov	745-2116 760-4103
EARL SMITH	COL	ESMITH@CITYOF LARAMIE. OR	721-5241
Jeff Purdy	FHWA	Jeffrey.Purdy@dot.gov	771-2942
Charles Blum	COL.	cblum@	
Jake Wilson	AVI	jwilson@avipc.com	

BILL NYE AVENUE CORRIDOR STUDY

Steering Committee Meeting
September 22, 2015



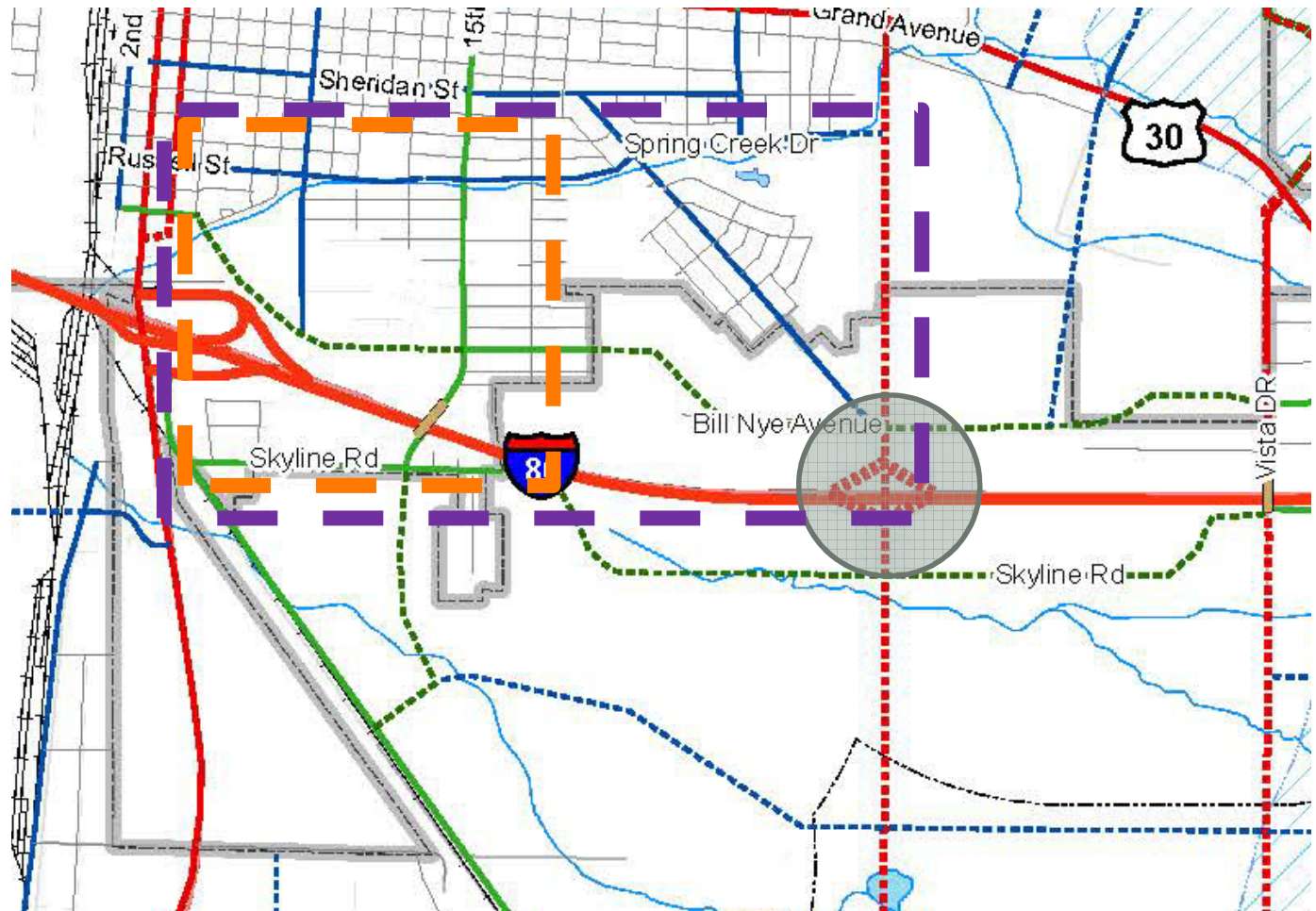
Agenda

- Administrative
 - Data Needs
- Previous Alternatives
- Revised Proposed Alternatives
- Conceptual Typical Section
- Public Meeting
 - Logistics and Action Items
- Other
 - Set Next Steering Committee Meeting Date

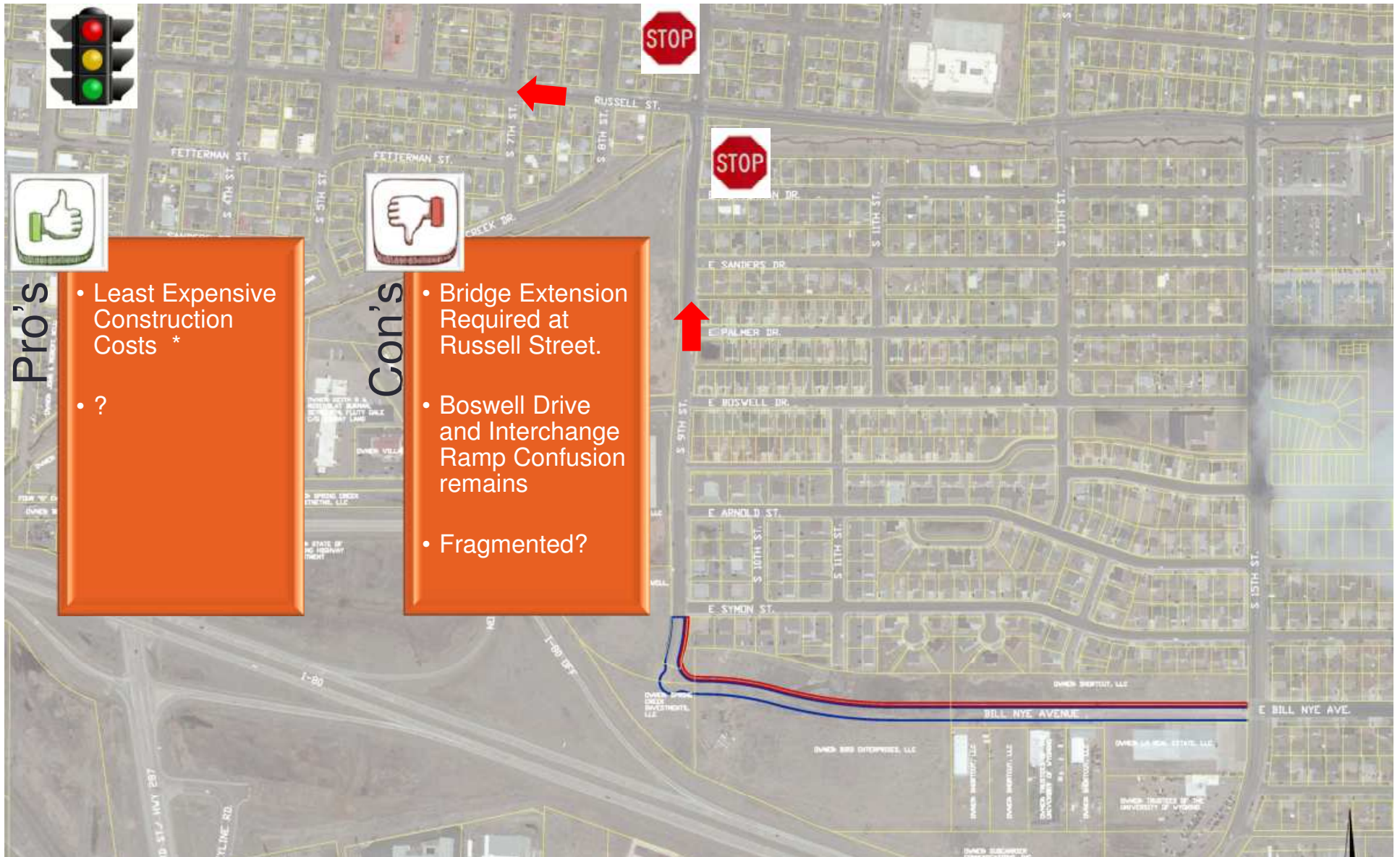
Administrative

- Data Needs

- Land Use Map in DXF
- Boundaries
 - North:** Russell
 - South:** I-80
 - West:** 3rd Street
 - East:**
 - If 30th Street Interchange
 - < 20 years: 15th Street or,
 - > 20 years: 30th Street



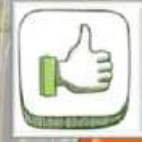
9th Street Connection



5th Street Connection



Bill Nye Realignment



Pro's

- Provides Direct Connection to 3rd Street
- Provides Separation between I-80 EB On-ramp
- Construction Cost \$**?



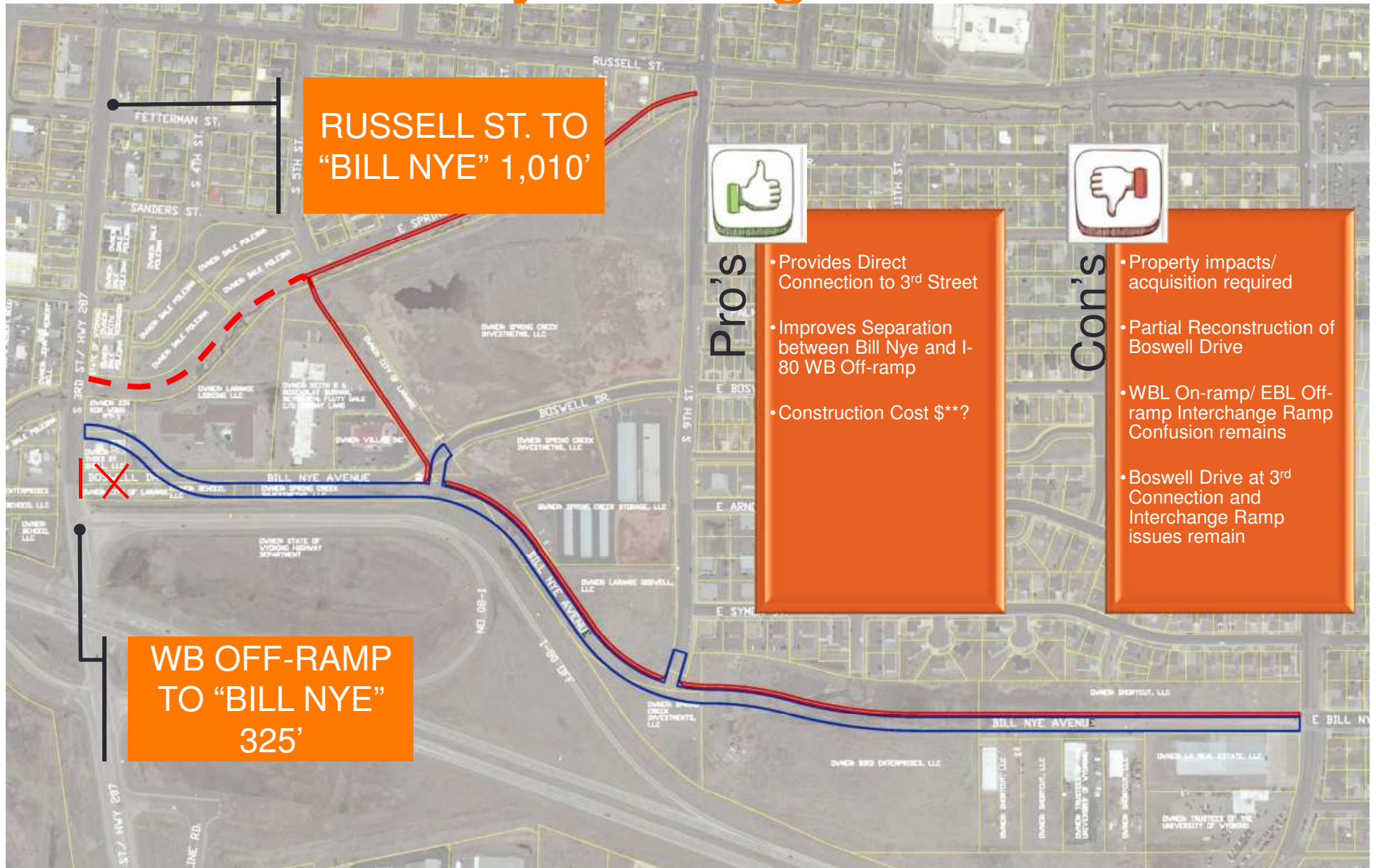
Con's

- Property impacts/ acquisition required
- Boswell Drive at 3rd Connection and Interchange Ramp issues remain
- ?

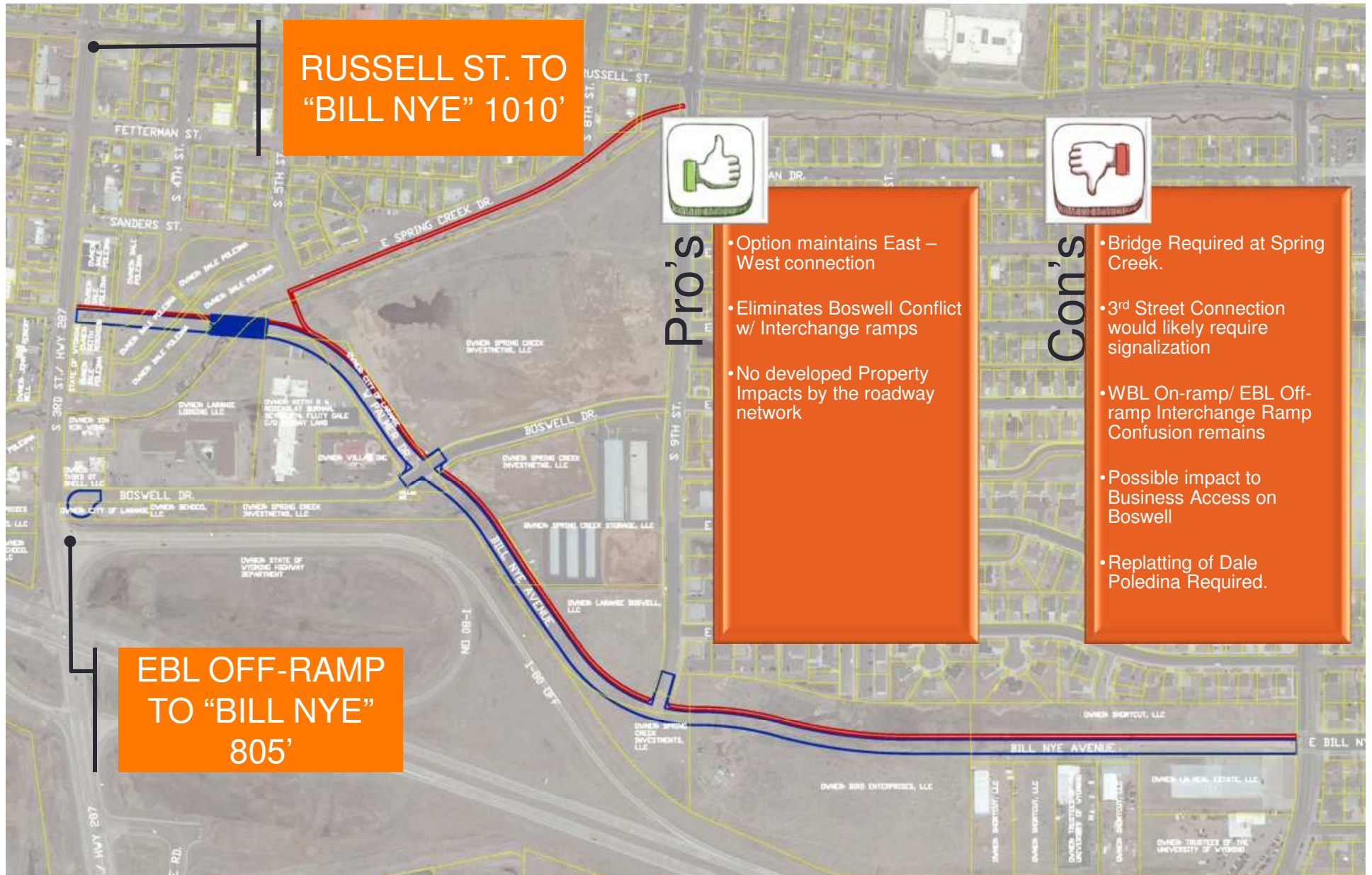
RAB Boswell Combined w/ WBL Off Ramp and EBL On Ramp



Revised Bill Nye Realignment



E. Palmer Drive w/ Cul-de-sac Boswell



Pro's

- Option maintains East – West connection
- Eliminates Boswell Conflict w/ Interchange ramps
- No developed Property Impacts by the roadway network

Con's

- Bridge Required at Spring Creek.
- 3rd Street Connection would likely require signalization
- WBL On-ramp/ EBL Off-ramp Interchange Ramp Confusion remains
- Possible impact to Business Access on Boswell
- Replatting of Dale Poledina Required.

RAB Boswell Combined w/ WBL Off Ramp and EBL On Ramp

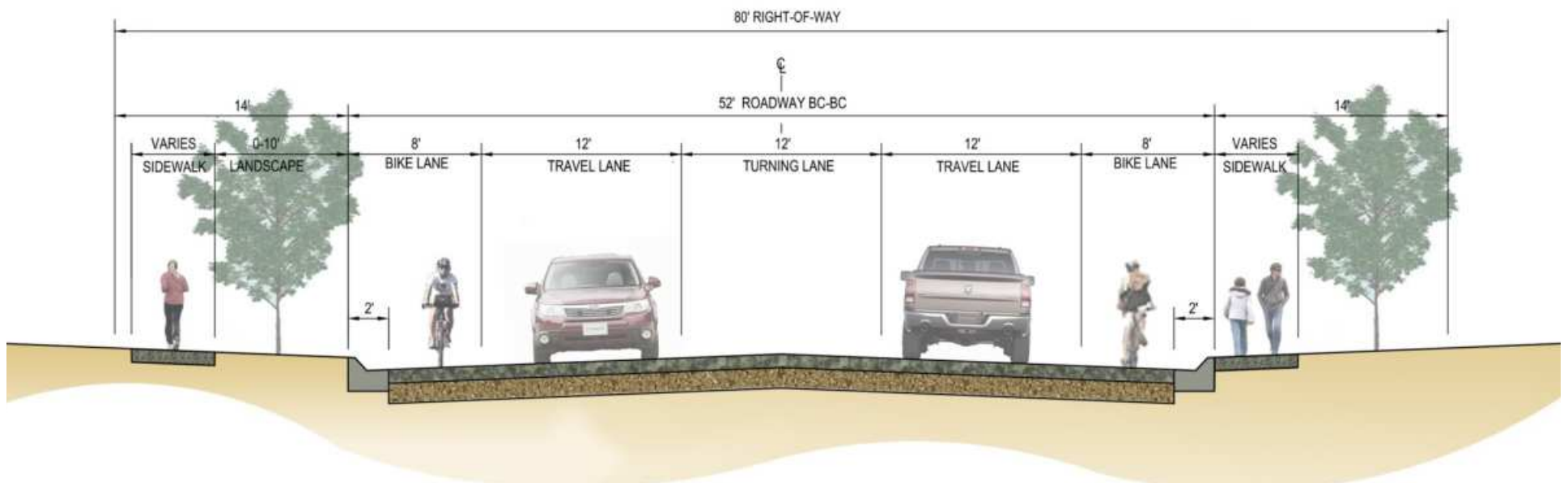


Other Ideas?



Description	City of Laramie	Other
	Arterial	Principal Arterial
Number of Lanes (Width)	2(12')	4-6 (12')
Design Speed		50 mph
Design Vehicle	-	WB-67
Parking	none	none
Roadway Width (BC-BC)	68' – 9"	76'
Sidewalk/ Pedestrian Area	5'	6'
Parkway/ Tree Lawn	10'-71/2"	8'
Shoulder		6'
Daily Traffic Volume (VPD)		15,000 – 32,000 4-Lane

Conceptual Typical Section?



Public Meeting

- October 22, 2015 at Albany County Library
- 5:00 p.m. to 7:00 p.m. with Presentation at 5:15 p.m.
- Action Items:
 - Reserve Library
 - Advertisement
 - Newspaper
 - Post Card?
 - Other
 - Comment Card

Other

- Next Meeting of Steering Committee?
- Monday, October 19, 2015, 10:00 a.m. ?
 - Presentation for Public Meeting
 - Comment Card
 - Final Exhibits

BILL NYE AVENUE CORRIDOR STUDY KICK OFF MEETING

October 19, 2015 @10:00 A.M.

•LIST OF ATTENDEES •

NAME	COMPANY	EMAIL	PHONE/ CELL
Tom Cobb	AVI	cobb@avipc.com	307.637.6017
Brad Emmons	AVI	Emmons@avip.com	307.637.6017
Jeff Purdy	FHWA	Jeffrey.Purdy@dot.gov	307-771-2942
Earl Smith	COL	ESMITH@CITY OF LARAMIE.ORG	307-721-5241
Pat Persson	WYDOT	Pat.persson@wyo.gov	307 745 2100
Eric Jasp	COL	ejaap@cityoflaramie.org	307-721-5345
Kevin McLaugh	WYDOT	Kevin.McLaugh@wyo.gov	307-777-4178
Phil Pratt	FHWA	philip.pratt@dot.gov	307-771-2951
Tom Detloff	WYDOT	tom.detloff@wyo.gov	745-2100
Randy Hunt	COL	rhunt@cityoflaramie.org	721-5288
Charles R. Olson	COL	" "	" "

BILL NYE AVENUE CORRIDOR STUDY

**PUBLIC MEETING #1
SEPTEMBER 22, 2015**



Agenda

- Introductions
- Study Area
- Goals and Objectives
- Project Schedule
- Identified Constraints
- Proposed Conceptual Alternatives
- Proposed Roadway Typical Section
- Adjourn to Workshop Areas



Introductions



Tom Cobb, P.E.
Project Manager



Brad Emmons,
A.I.C.P.
Principal-in-charge
Planning



Jake Wilson, P.E.
Engineer

Study Area



Purpose, Objective, and Goals

- **Purpose**

- Create a comprehensive and practical planning document that guides and promotes future development of the corridor and surrounding area.

- **Objective**

- Develop a realistic preferred alignment for Bill Nye Avenue between 3rd Street and 15th Street.

- **Goals**

- Promotes safety
- Minimizes long term maintenance
- Sensitive to current function and property owners
- Serves all transportation users
- Encourages economic development



Project Schedule

Activity	Tentative Schedule
Notice to proceed and Kick-off Meeting	Begin Project, June 9, 2015
Adjacent Stakeholder Meeting(s)	July 2, 2015
Meeting w/ FHWA	July 9, 2015
Develop Preliminary Alternatives	July – August, 2015
Steering Committee Meetings	August 24, September 22, and October 19, 2015
First Public Meeting	October 20, 2015
Refine Alternatives	November, 2015
Complete Draft Plan	November – December, 2015
Submit Draft Plan City of Laramie	January, 2016
Revise Draft Plan	February, 2016
Presentation to Governing Body	March, 2016

Identified Constraints

- **Purpose**

- Create a comprehensive and practical planning document that guides and promotes future development of the corridor and surrounding area.

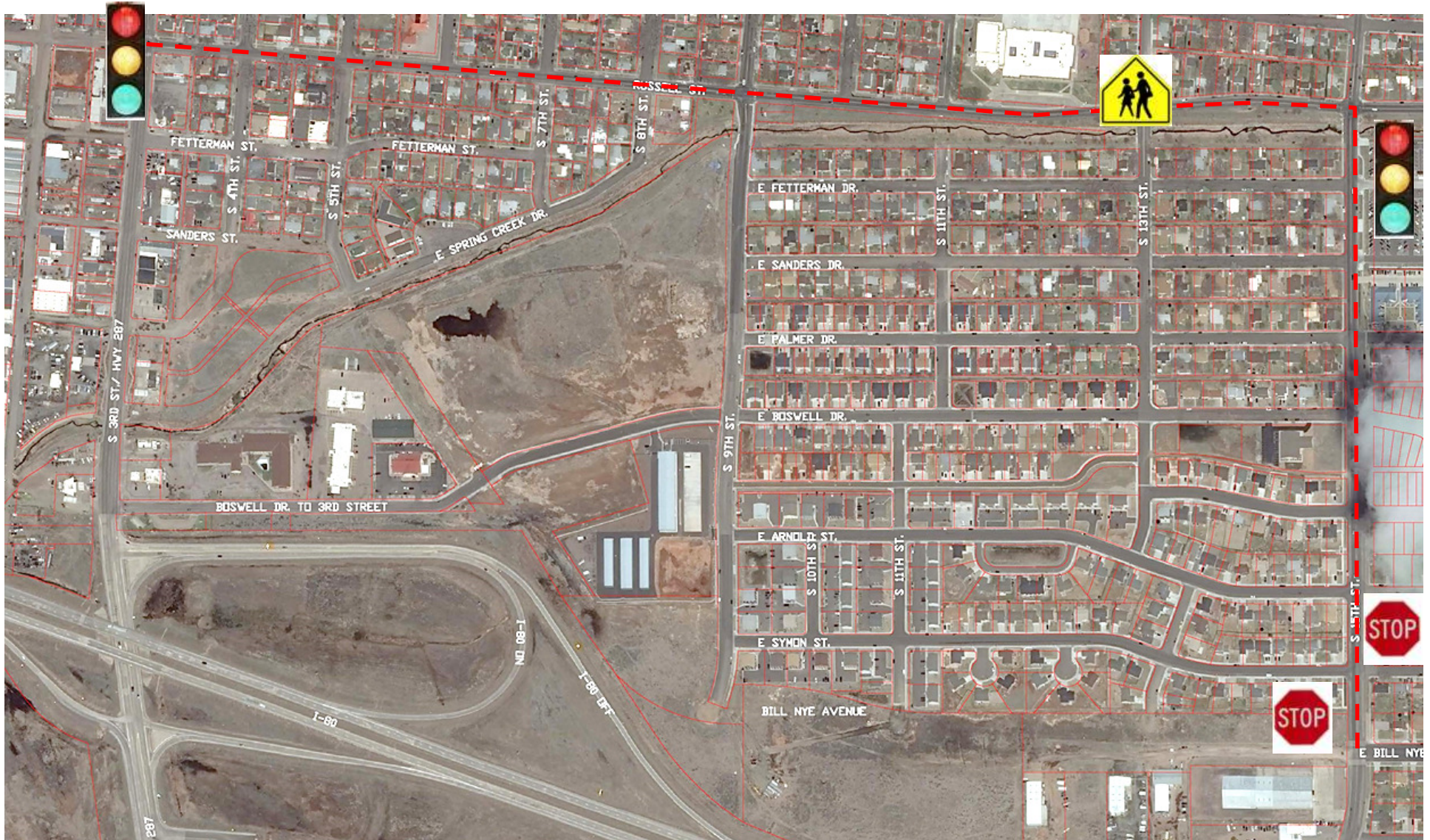
- **Objective**

- Develop a realistic preferred alignment for Bill Nye Avenue between 3rd Street and 15th Street.

- **Goals**

- Promotes safety
- Minimizes long term maintenance
- Sensitive to current function and property owners
- Serves all transportation users
- Encourages economic development

Do Nothing – Utilize 15th Street



Revised Bill Nye Realignment



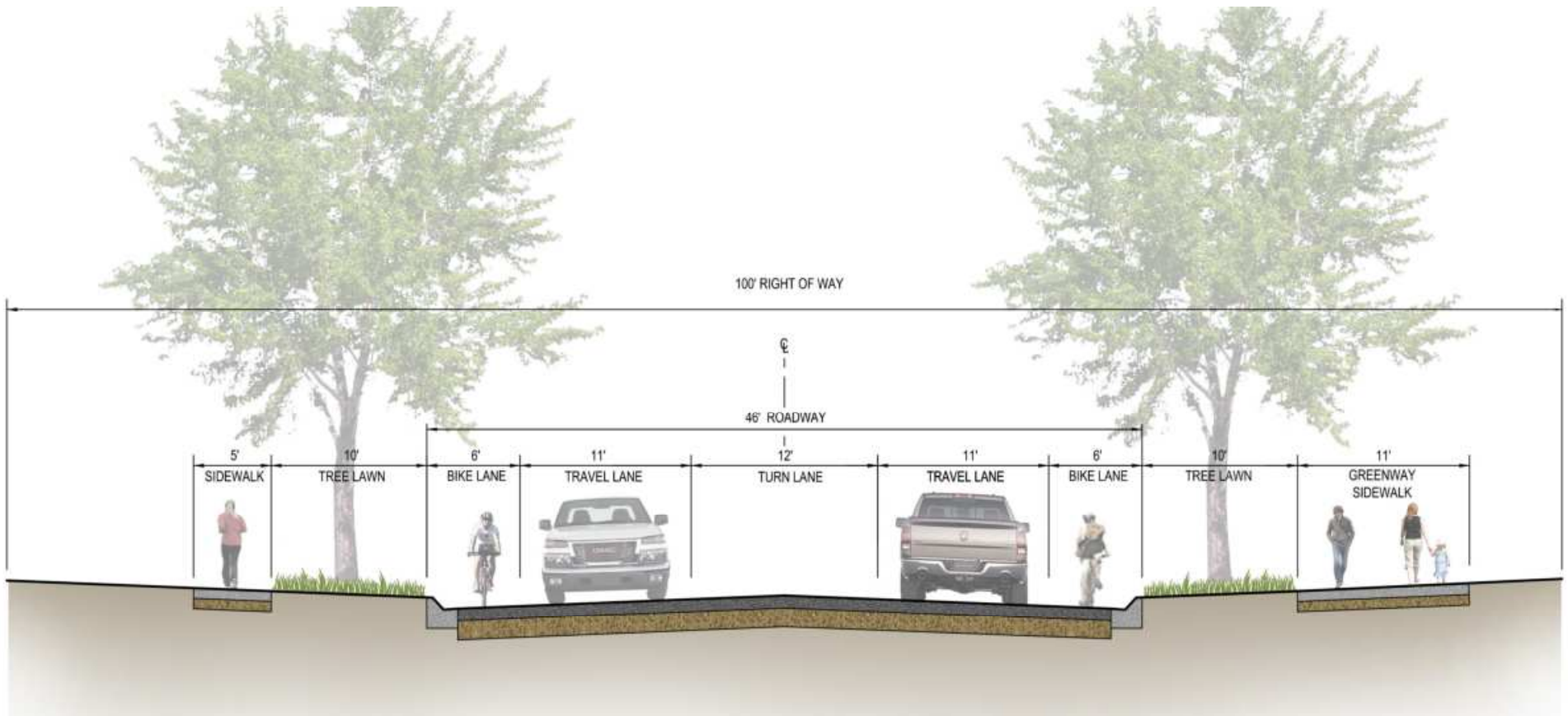
E. Palmer Drive w/ Cul-de-sac Boswell



RAB at 3rd/ Boswell/ I-80 WB Ramps

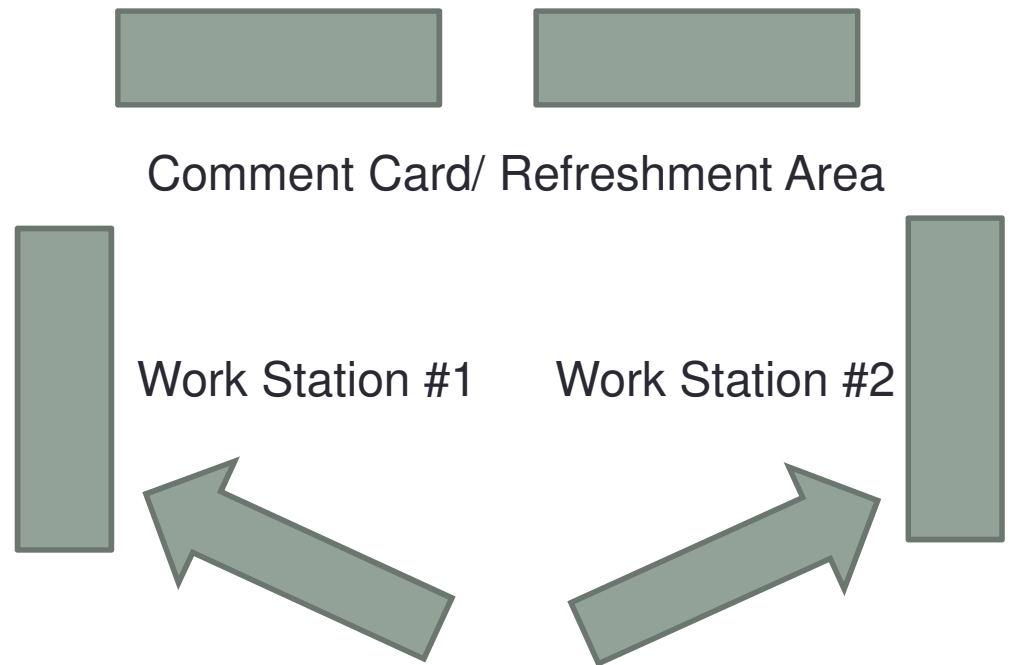


Conceptual Typical Section



Work Station Areas

- Two Identical Work Stations
 - **Tables**
 - Aerial photo with street views
- Comment Card/ Refreshment Area



BILL NYE AVENUE CORRIDOR STUDY KICK OFF MEETING

January 21, 2015 @ 2:00 P.M.

•LIST OF ATTENDEES •



NAME	COMPANY	EMAIL	PHONE/ CELL
Tom Cobb	AVI	cobb@avipc.com	307.637.6017
Brad Emmons	AVI	Emmons@avip.com	307.637.6017
Randy Hunt	City of Laramie	rhunt@cityoflaramie.org	307-721-5288
Charles Bloom	" "	cbloom@ " " "	721-5232
MARK WINGATE	WYDOT	mark.wingate@wyo.gov	307-777-4180
Eric Jaap	COL	ejaap@cityoflaramie.org	307-721-5345
EARL SMITH	COL	ESMITH@CITYOFLARAMIE.ORG	307-721-5241
Brad Emmons			

BILL NYE AVENUE CORRIDOR STUDY

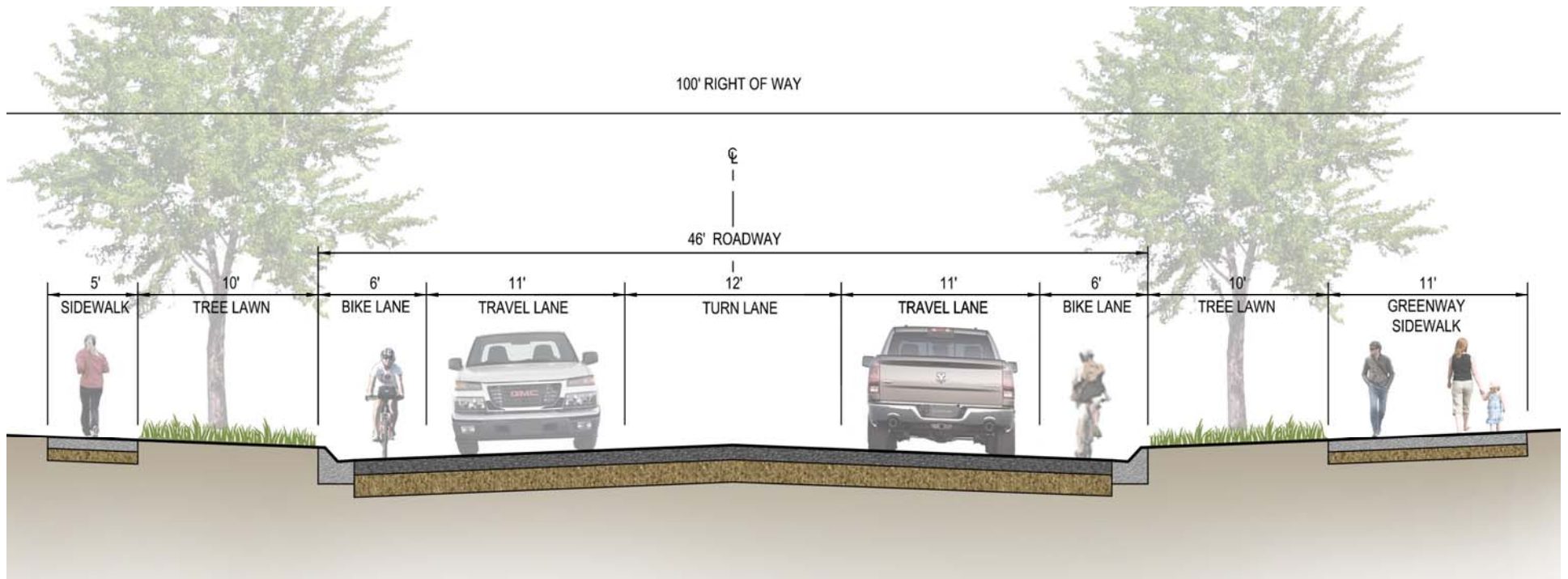
Steering Committee Meeting
January 21, 2016



Agenda

- Presentation Exhibits
- What we heard Public Meeting No. 1
- Discussion on recommendations
 - Conceptual Typical Section
 - Alignment Alternatives
- Where do we go from here?
- Other
 - Council Work Session Needs
 - Action Items?

Conceptual Typical Section





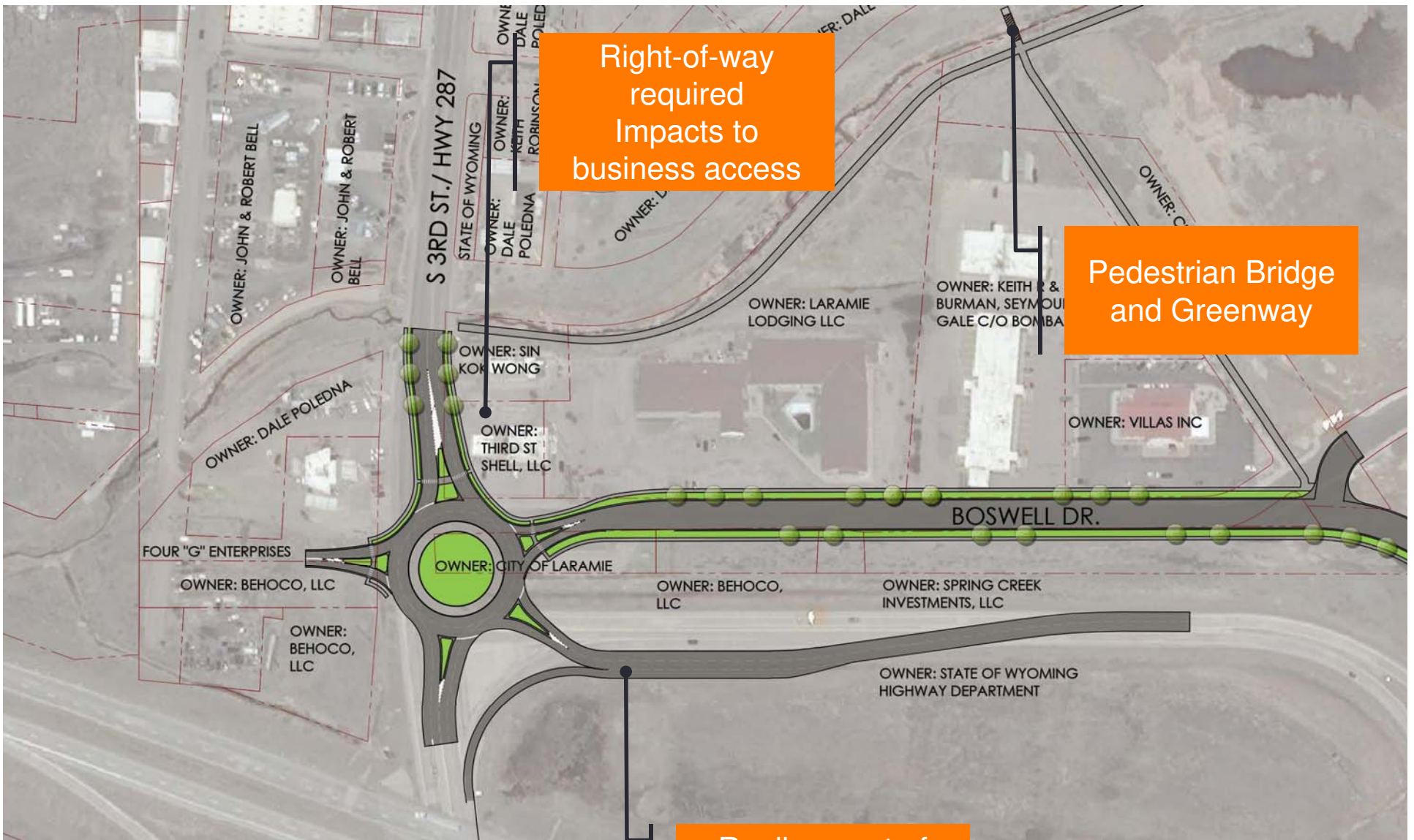
Revised Bill Nye Realignment



E. Palmer Drive w/ Cul-de-sac Boswell

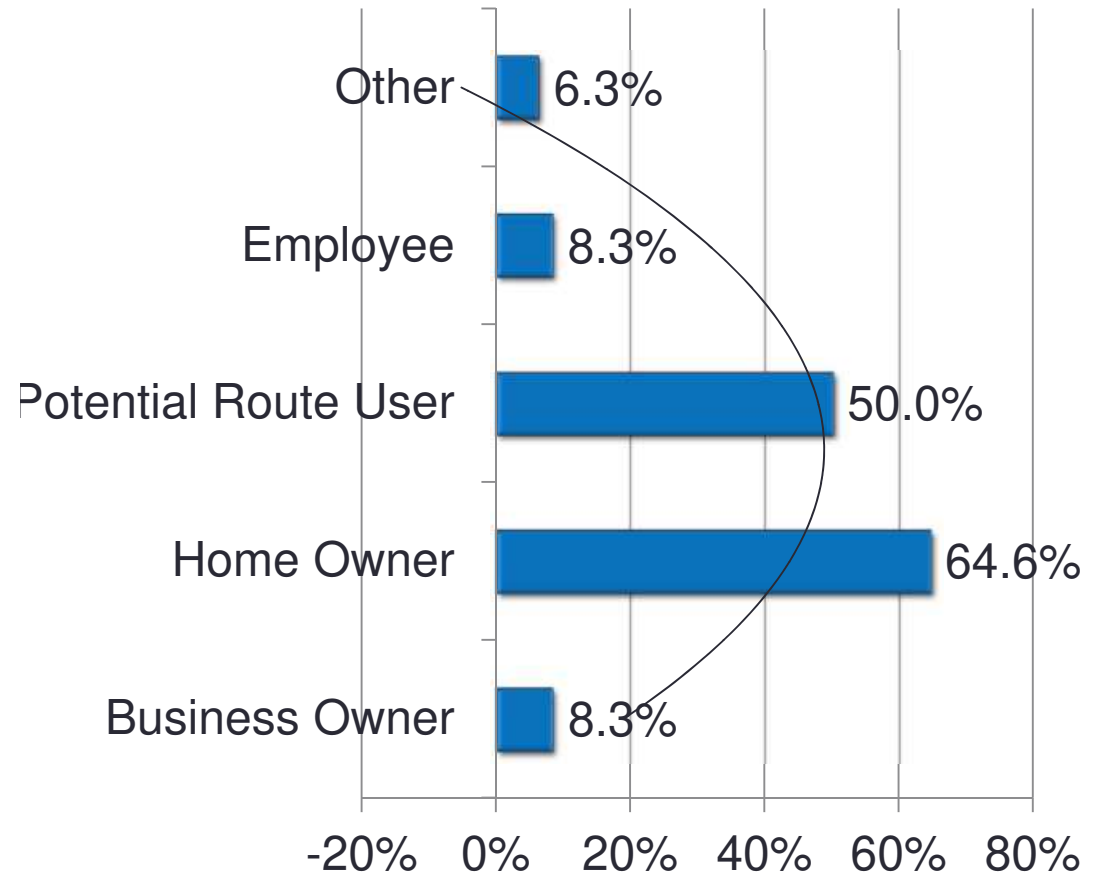






Public Meeting One: Summary

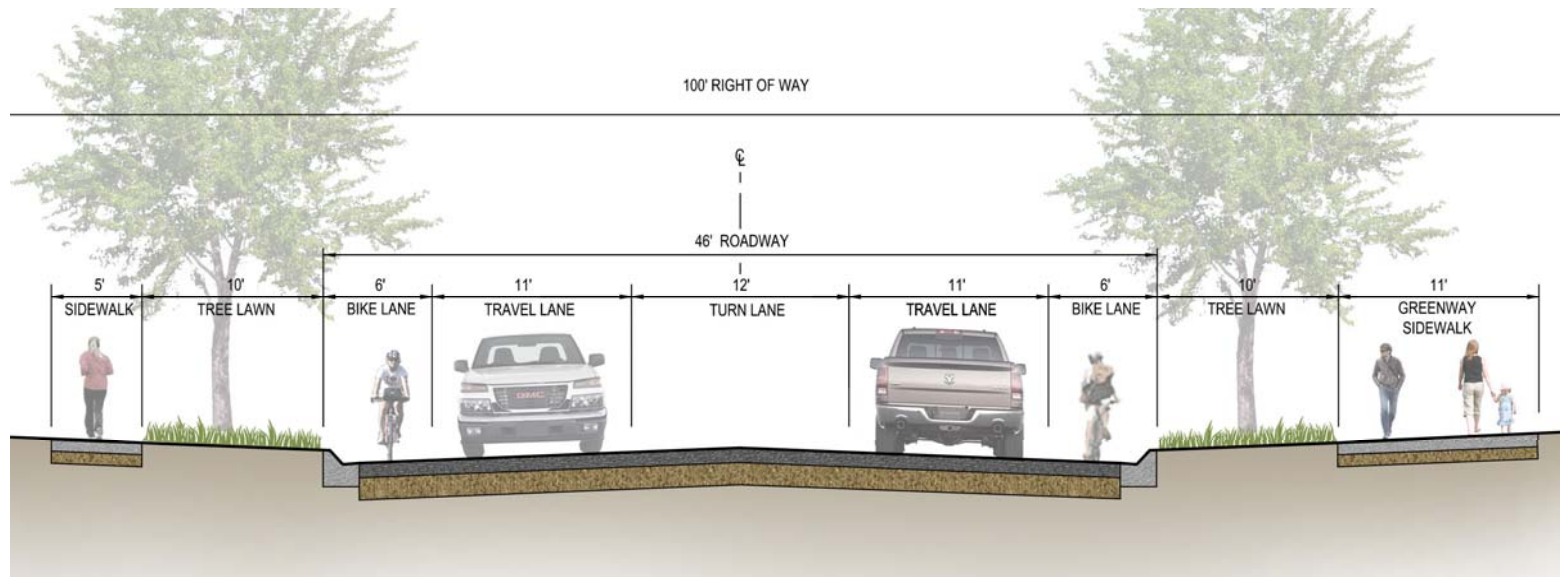
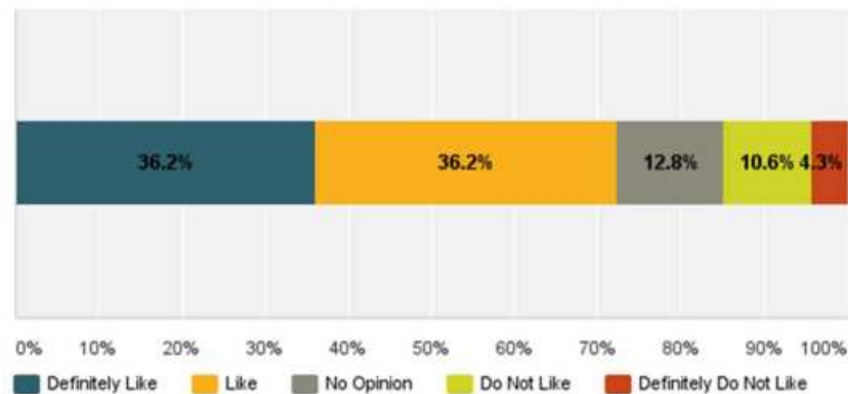
- Conducted October 21, 2015
- Approximately 25 participants
- 48 Comment Card Responses (192.0%)
- Who Attended?



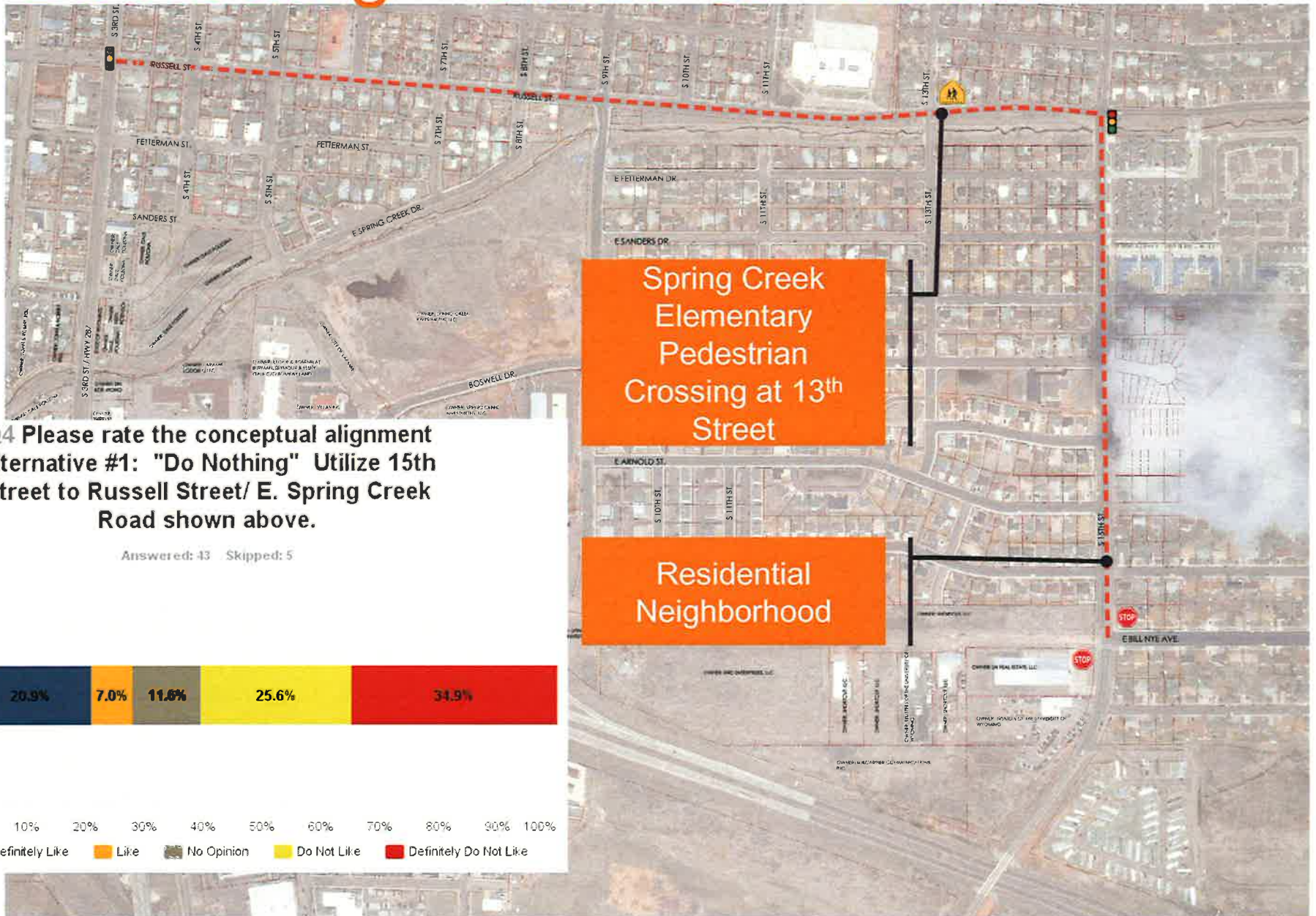
What we heard?

**Q3 Please rate the Bill Nye Avenue
Conceptual Typical Section shown above.**

Answered: 47 Skipped: 1



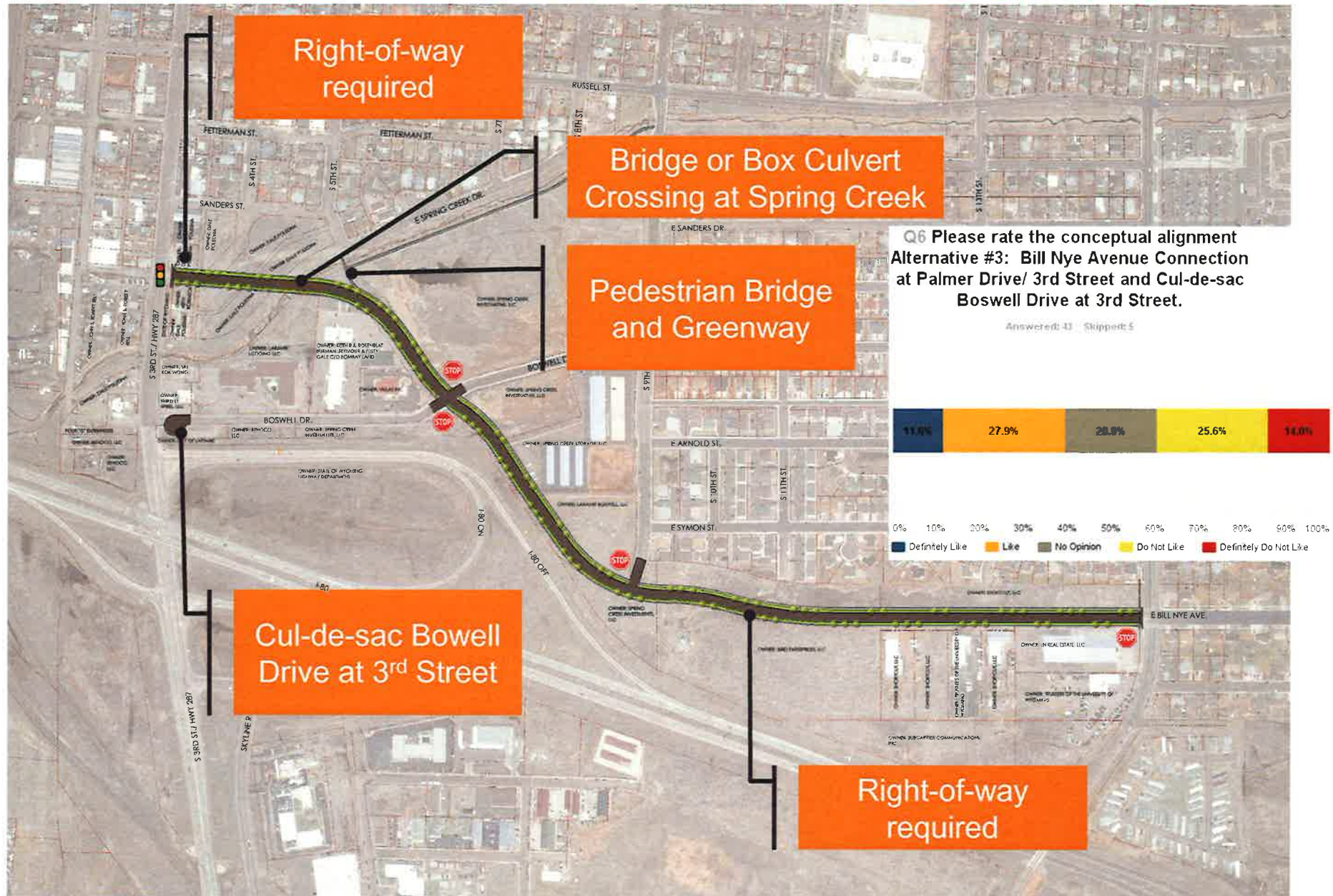
Do Nothing – Utilize 15th Street



Revised Boswell Realignment



E. Palmer Drive w/ Cul-de-sac Boswell

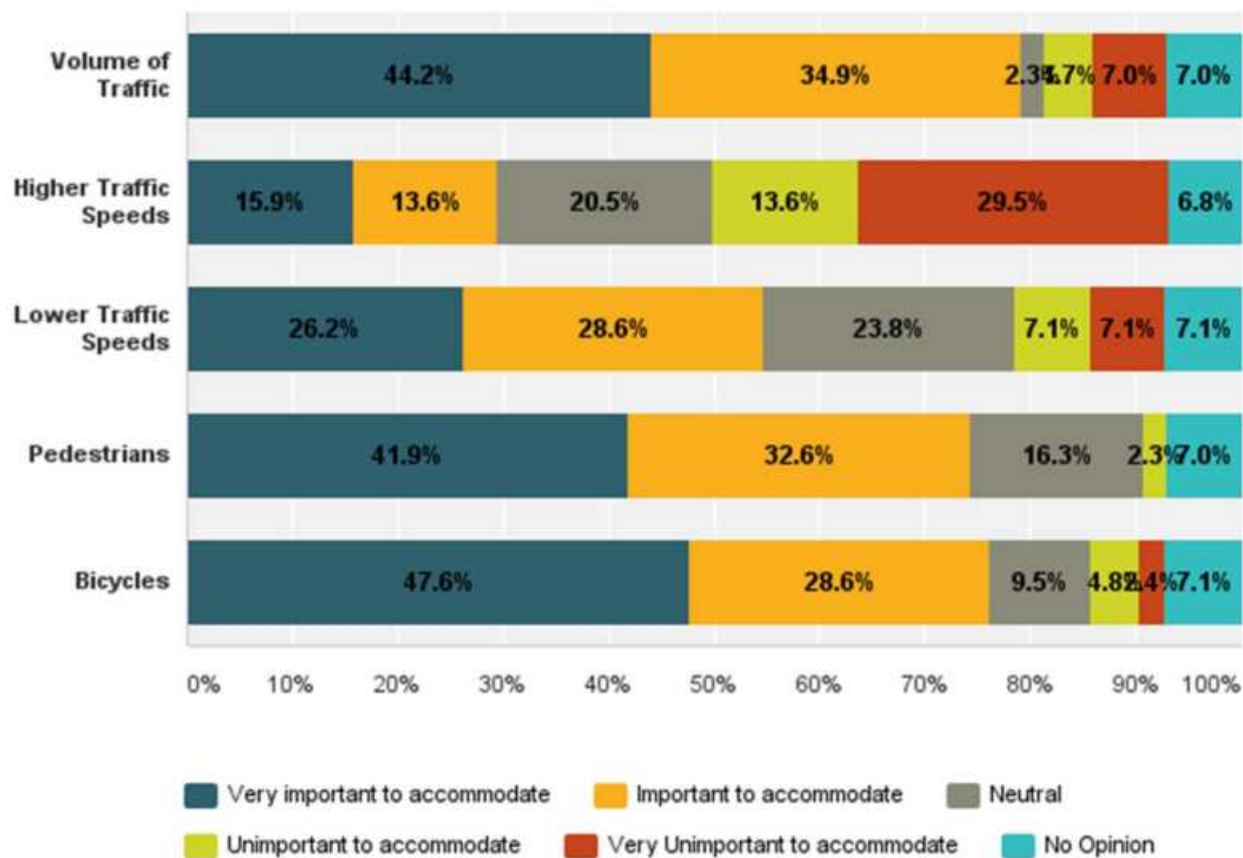




What we heard?

Q8 Please rate the importance of the following transportation modes based on what you consider to be the most important design consideration for Bill Nye Avenue?.

Answered: 44 Skipped: 4



What we heard?

- ***Do you have additional ideas, information, or other comments that you would like to provide at this time?***
- “Please incorporate good lighting, beautification, PEDXING Stripes and warning signals at major intersections and include signage to direct travelers downtown as well as 16th street @ both South Street and Swanson Road. How about a bike lane on the west side of 16th and leave parking on the east side?”

What we heard?

- ***Do you have additional ideas, information, or other comments that you would like to provide at this time.***
- “The current route for "Turner Drive" may work in 2 dimensions, but not in 3D. The Final Plat of Boulder Addition rubber stamped by all but one member is riddled with very serious errors which can get bulldozer drivers killed when they hit unmarked high pressure gas lines on the west side of the Turner Tract. Frankly, I'm very disappointed in the quality of work that the Urban Streets Advisory Committee has turned out since 1992 when they "rubber stamped" an atrocious, unbuildable "kinked" route for BNA which took out all the front yards on Whitman Street. The 1981 route for BNA was much better and still is. In 1999 two "interested parties" made the eastern extension of Hillside Drive disappear, despite the fact that it would--without requiring any grading--seamlessly go from Corthell Road to Boulder Drive, give Corthell Hill back its 2nd outlet, and give the poor LHS students a real way to get back home at the end of the school day. “

What we heard?

- ***Do you have additional ideas, information, or other comments that you would like to provide at this time.***
- “It's important to find a solution so businesses will know the long-term plan for this location. “
- “I am concerned about the safe of speed on such a long roadway- perhaps speed bumps @ pedestrian intersects? bicycles are very seasonal in Laramie. not sure how many bikes would just this roadway as far as it is from UW & downtown. It is very hard to walked on this gypsum-retains water, slippery - not sure the diagonal strip along Corona Village would be used. if sidewalk along Spring Creek is green belt, then ok-otherwise, there is already a sidewalk on the N side of Spring Creek from 5th to 9th.”

What we heard?

- ***Do you have additional ideas, information, or other comments that you would like to provide at this time.***
 - “As the community grows to the South, the traffic will continue to increase for those desiring to head to the North end of town (Turner Tract, HS, etc.) I highly recommend moving the I-80 entrance to go West, eliminating one of the major traffic confusion points. “
 - “I am not for options # 1 or 4. # 2 i liked the best.”
 - I do go out and run that area sometimes, and when the weather is warmer, i do bike and have a bicycle trailer to carry my child in, so i look at the routes in terms of what i can do riding, running/walking and driving and #2 i would feel better with. ”

What we heard?

- ***Do you have additional ideas, information, or other comments that you would like to provide at this time.***
 - “A mixture of the roundabout and #3 would be best suited for the area.”
 - “I am not for options # 1 or 4. # 2 i liked the best.”
 - “This corridor should function as an arterial (access management). Separating vehicle and bicycle traffic should be considered.”
 - “I really like the round about.”

Where do we go from here?

Activity	Tentative Schedule
Council Work Secession	February 9, 2016; 6:00 p.m.
Draft Corridor Plan	February – March, 2016
Submit Draft Plan for Review	March 7, 2016
Final Draft	April, 2016?
Presentation to Governing Body	April, 2016?

Other Items

- Council Work Secession February 9, 2016
- Action Items

BILL NYE AVENUE CORRIDOR STUDY KICK OFF MEETING

February 16, 2016 @ 10:00 A.M.

•LIST OF ATTENDEES •

NAME	COMPANY	EMAIL	PHONE/ CELL
Tom Cobb	AVI	cobb@avipc.com	307.637.6017
Brad Emmons	AVI	Emmons@avip.com	307.637.6017
Joe Henderson	STS	joe@sustainabletrafficsolutions.com	303.589.6875
EARL SMITH	LARAMIE	ESMITH@CITYOFLARAMIE.ORG	307-721-5241
Eric Jaap	COL	ejaap@cityoflaramie.org	721-5345
Randy Hunt	COL	rhunt@cityoflaramie.org	721-5288
Kevin McCoy	WYDOT	Kevin.McCoy@wyo.gov	777-4178
Charles Bloom	COL	cbloom - . . .	721-5232
Phil Pratt	THWA	philip.pretti@dot.gov	771-2951

BILL NYE AVENUE CORRIDOR STUDY

Steering Committee No. 5

February 16, 2016

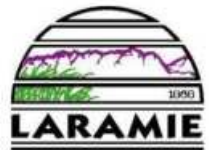


WYOMING



LARAMIE

Founded in 1868 upon the arrival of the Union Pacific Railroad, Laramie was named after the fur trader Jacques LaRame. The first female jurors served here in 1870 after Wyoming Territory in 1869, for the first time in history, gave women full rights of suffrage. Humorist, Bill Nye founded his Boomerang newspaper in 1881, and the University of Wyoming opened its doors in 1887. At the south edge of the city lie the ruins of Fort Sanders, and in 1882 west of the city can be seen the first intermountain ranch (1869) and the ruts left by Ben Holladay's stage coaches on the old Overland Trail.

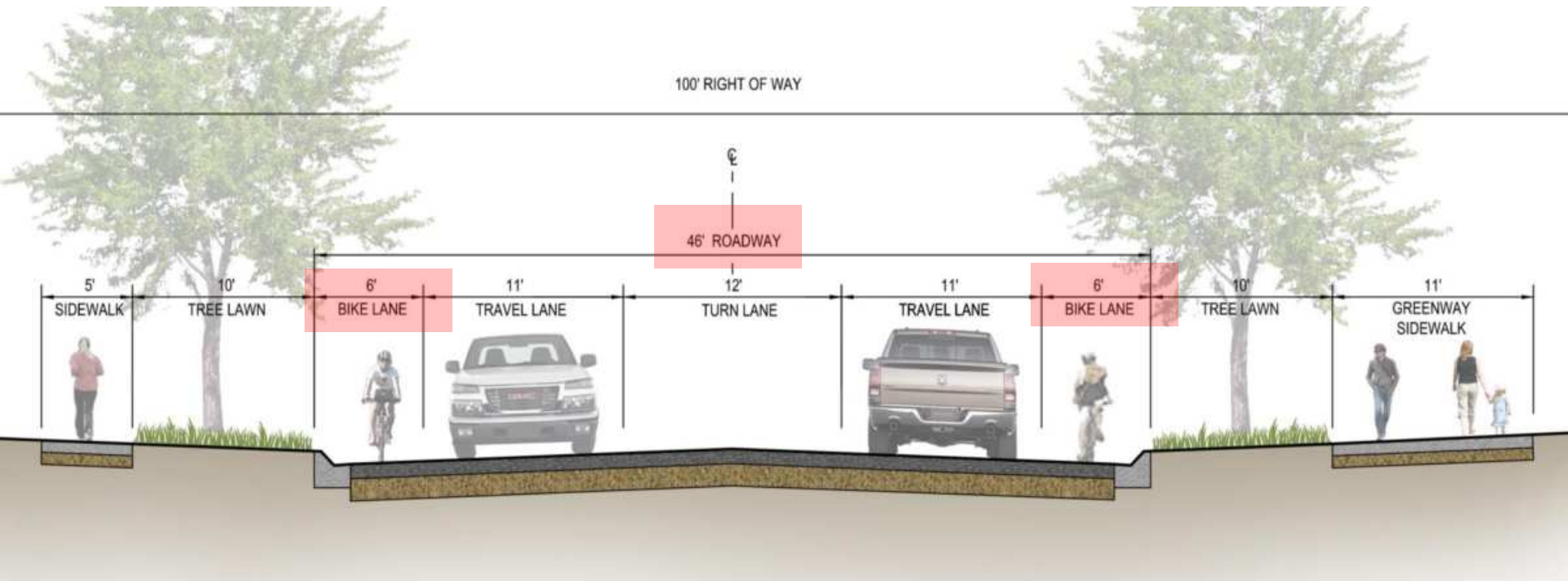


Agenda

- Proposed Roadway Typical Section
- Proposed Conceptual Alternatives
- Briefly Review What we heard?
- Right-of-way Acquisition
- Level of Service Analysis
- Engineer's Opinion of Costs
- Alternatives Analysis
- Where do we go from here?



Proposed Conceptual Typical Section



Do Nothing – Utilize 15th Street



Spring Creek
Elementary
Pedestrian
Crossing at 13th
Street

Future Traffic
Signal 2035

Residential
Neighborhood

Widen Roadway
and Box Culvert

Revised Bill Nye Realignment



E. Palmer Drive w/ Cul-de-sac Boswell



RAB at 3rd/ Boswell/ I-80 WB Ramps



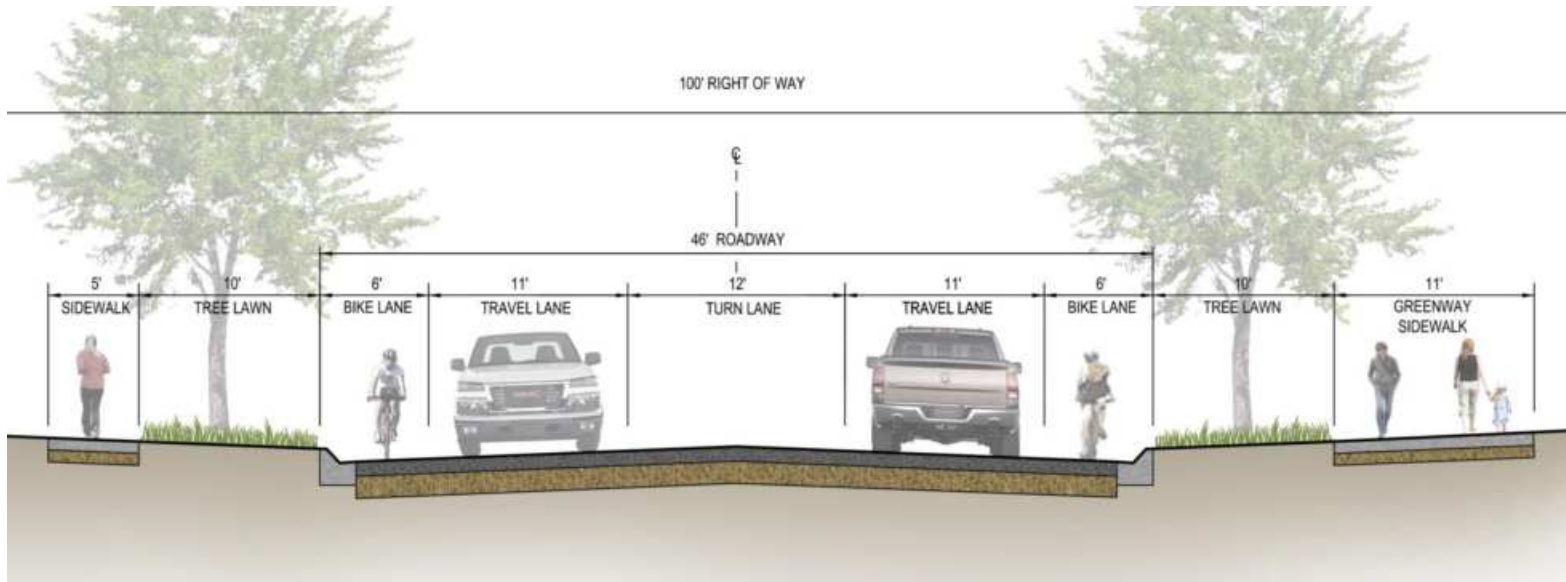
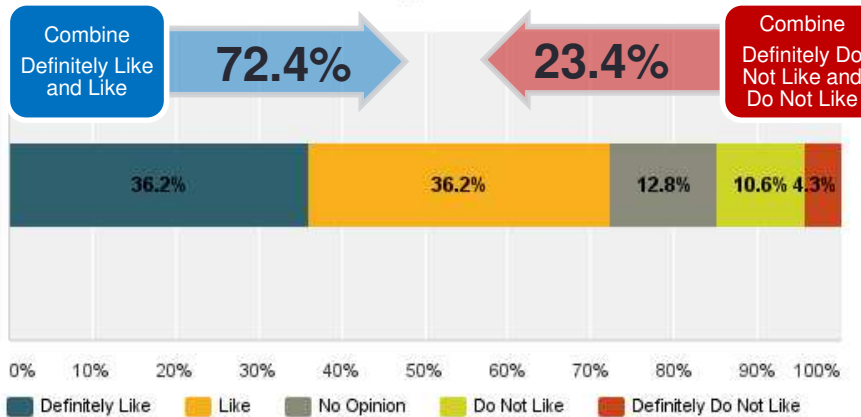
RAB at 3rd/ Boswell/ I-80 WB Ramps



What we heard?

**Q3 Please rate the Bill Nye Avenue
Conceptual Typical Section shown above.**

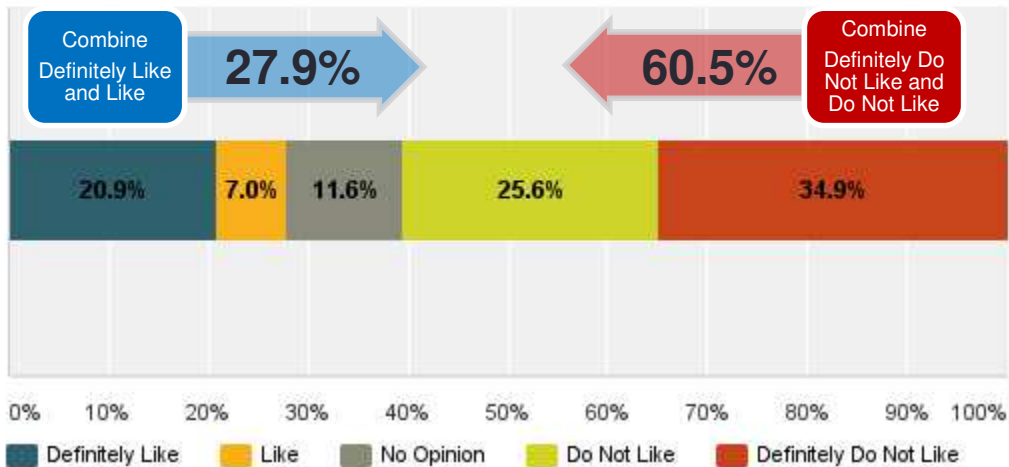
Answered: 47 Skipped: 1





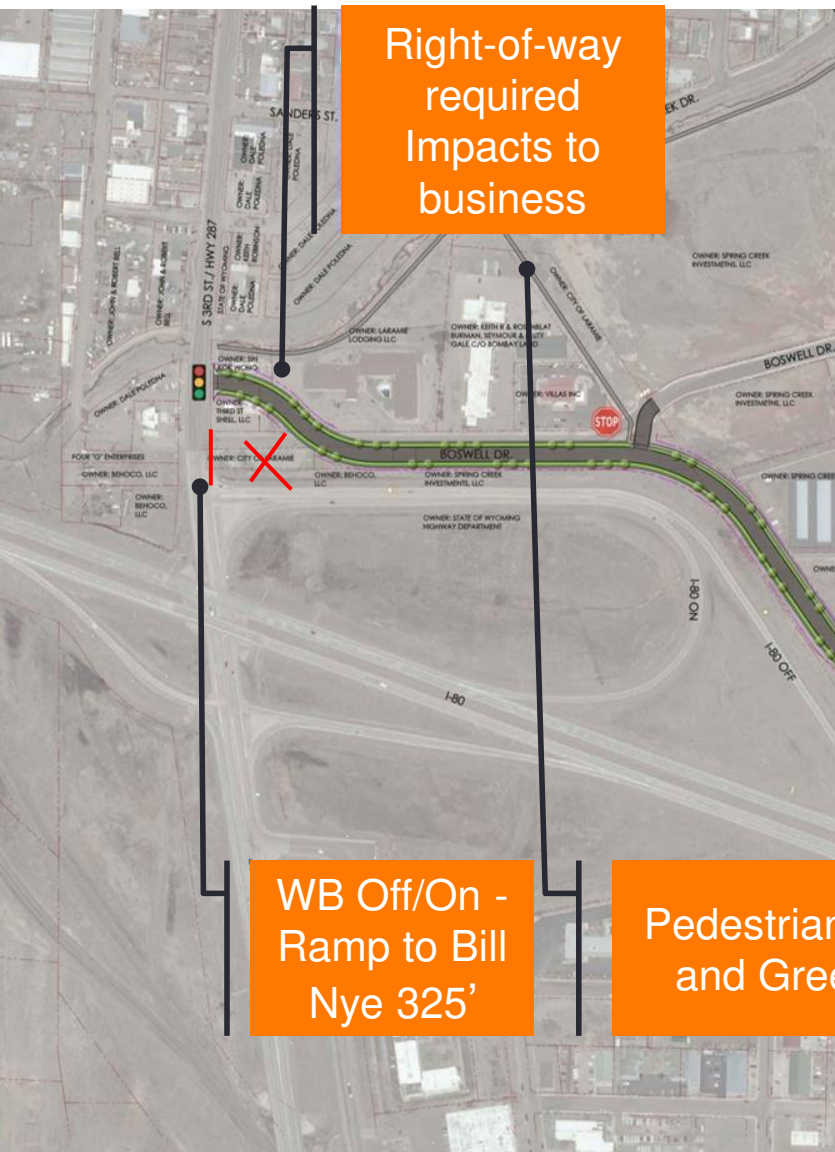
**Q4 Please rate the conceptual alignment
Alternative #1: "Do Nothing" Utilize 15th
Street to Russell Street/ E. Spring Creek
Road shown above.**

Answered: 43 Skipped: 5



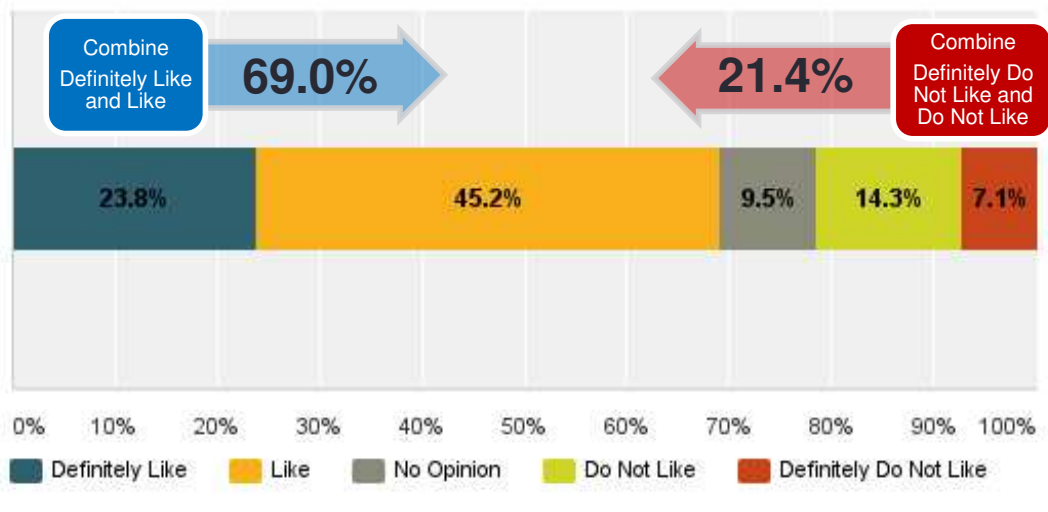
Do Nothing – Utilize 15th Street

Revised Boswell Realignment

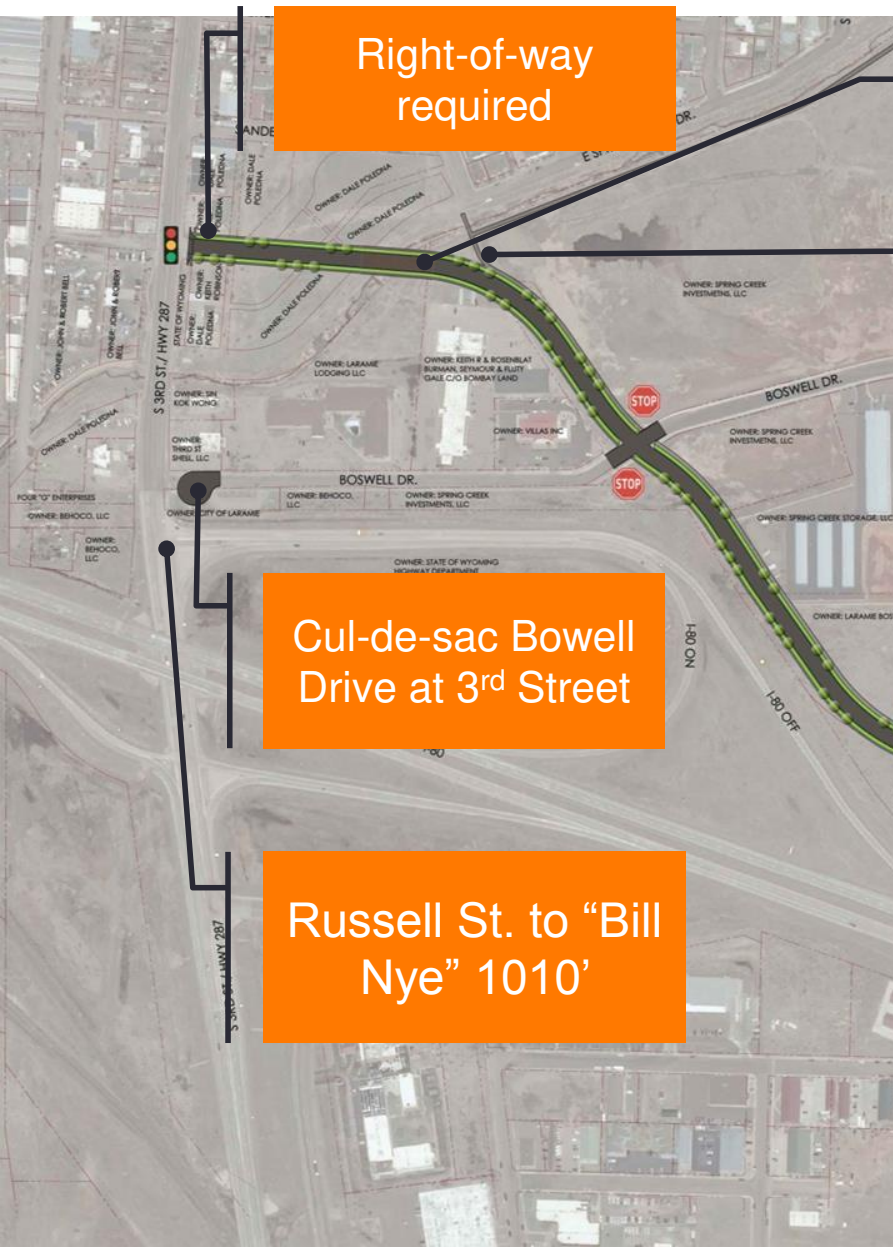


**Q5 Please rate the conceptual alignment
Alternative #2: Boswell Drive Realignment
at 3rd Street.**

Answered: 42 Skipped: 6



E. Palmer Drive w/ Cul-de-sac Boswell



Right-of-way required

Bridge or Box Culvert Crossing at Spring Creek

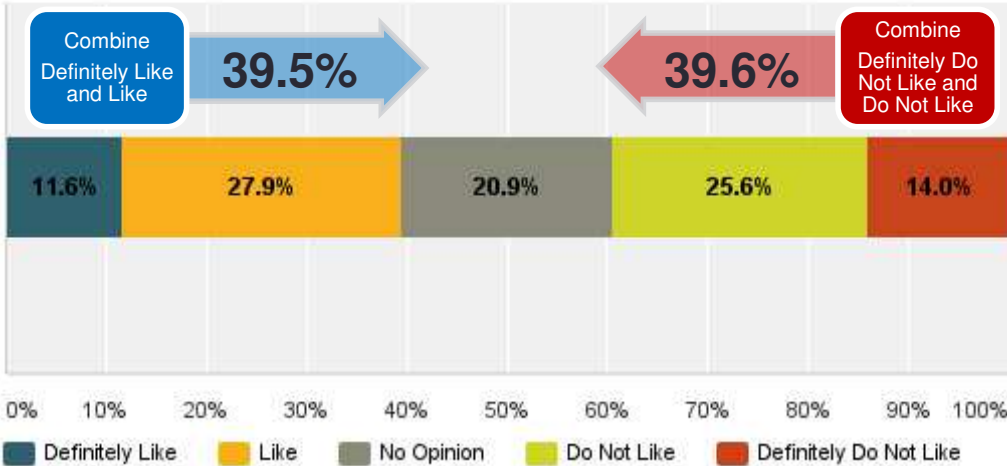
Pedestrian Bridge and Greenway

Cul-de-sac Bowell Drive at 3rd Street

Russell St. to "Bill Nye" 1010'

Q6 Please rate the conceptual alignment
Alternative #3: Bill Nye Avenue Connection
at Palmer Drive/ 3rd Street and Cul-de-sac
Boswell Drive at 3rd Street.

Answered: 43 Skipped: 5



RAB at 3rd/ Boswell/ I-80 WB Ramps



Right-of-way required
Impacts to
business access

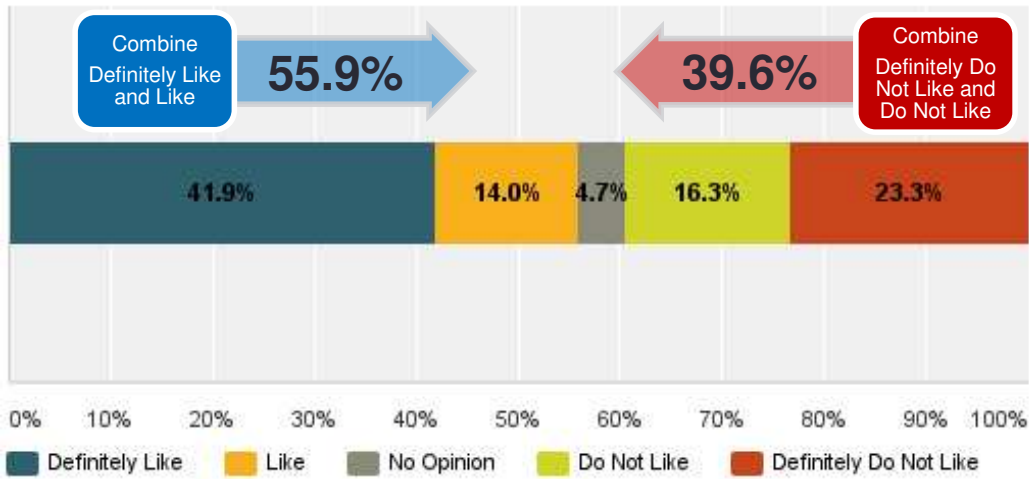
Pedestrian Bridge and Greenway

Realignment of
WB Off / On-ramps

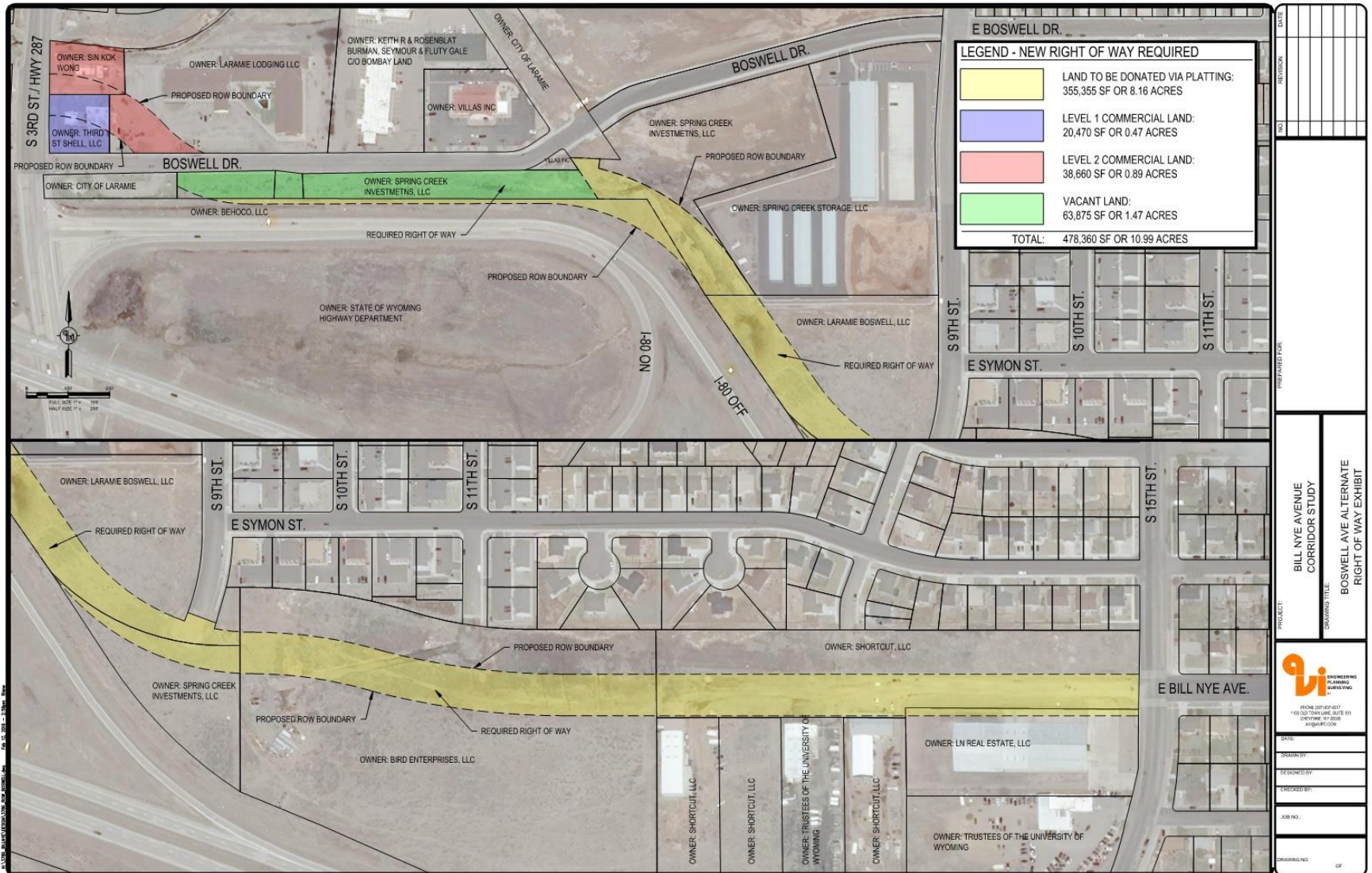
Right-of-way
required

Q7 Please rate the conceptual alignment
Alternative #4: Roundabout at 3rd
Street, Boswell Drive, and Westbound I-80
Off and On-ramps.

Answered: 43 Skipped: 5



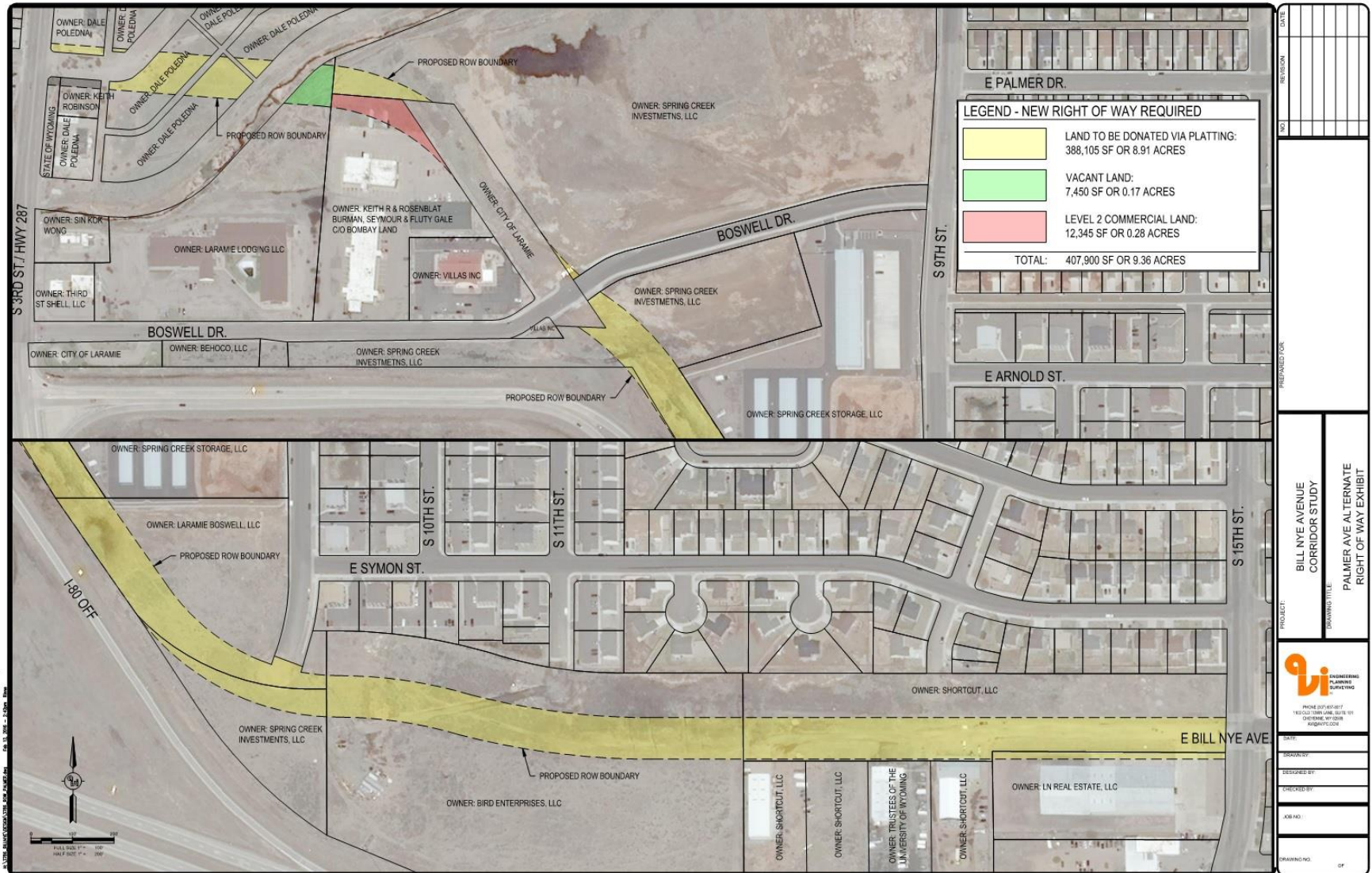
Alternative 2: Right-of-way Acquisition



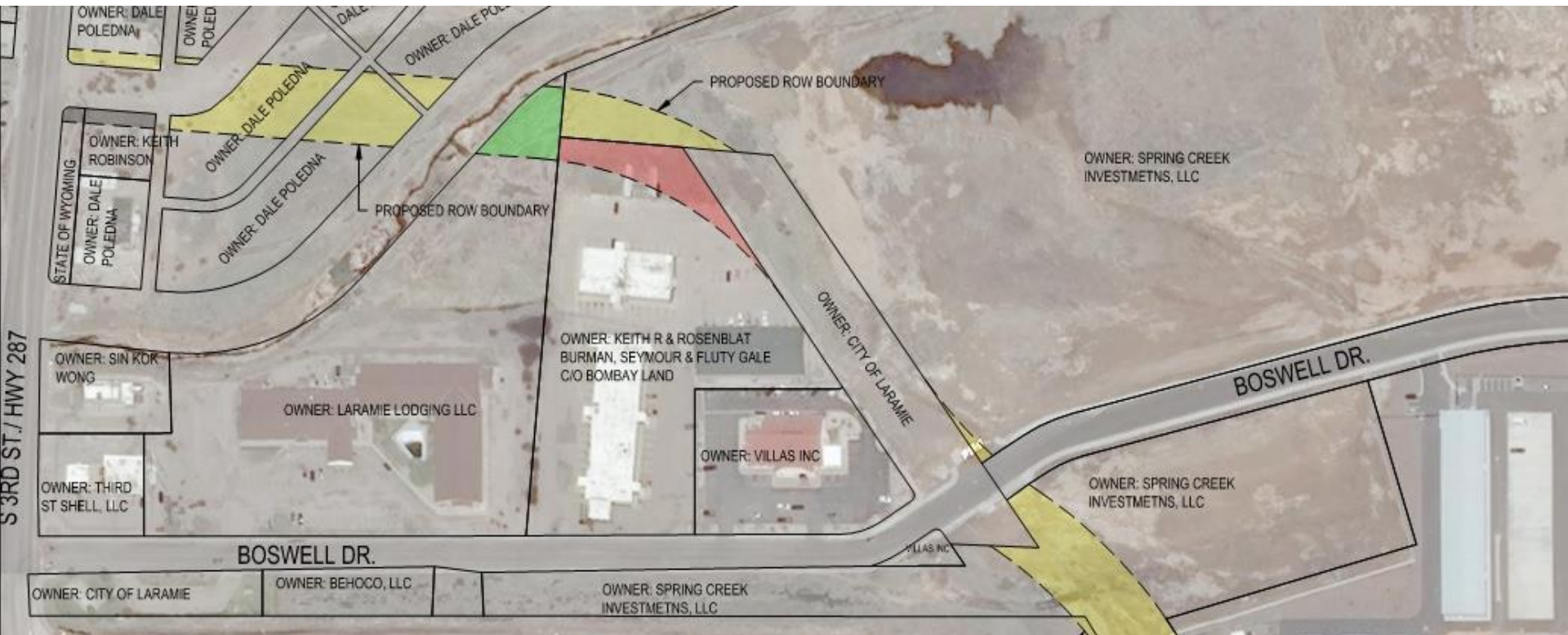
Alternative 2: Right-of-way Detail



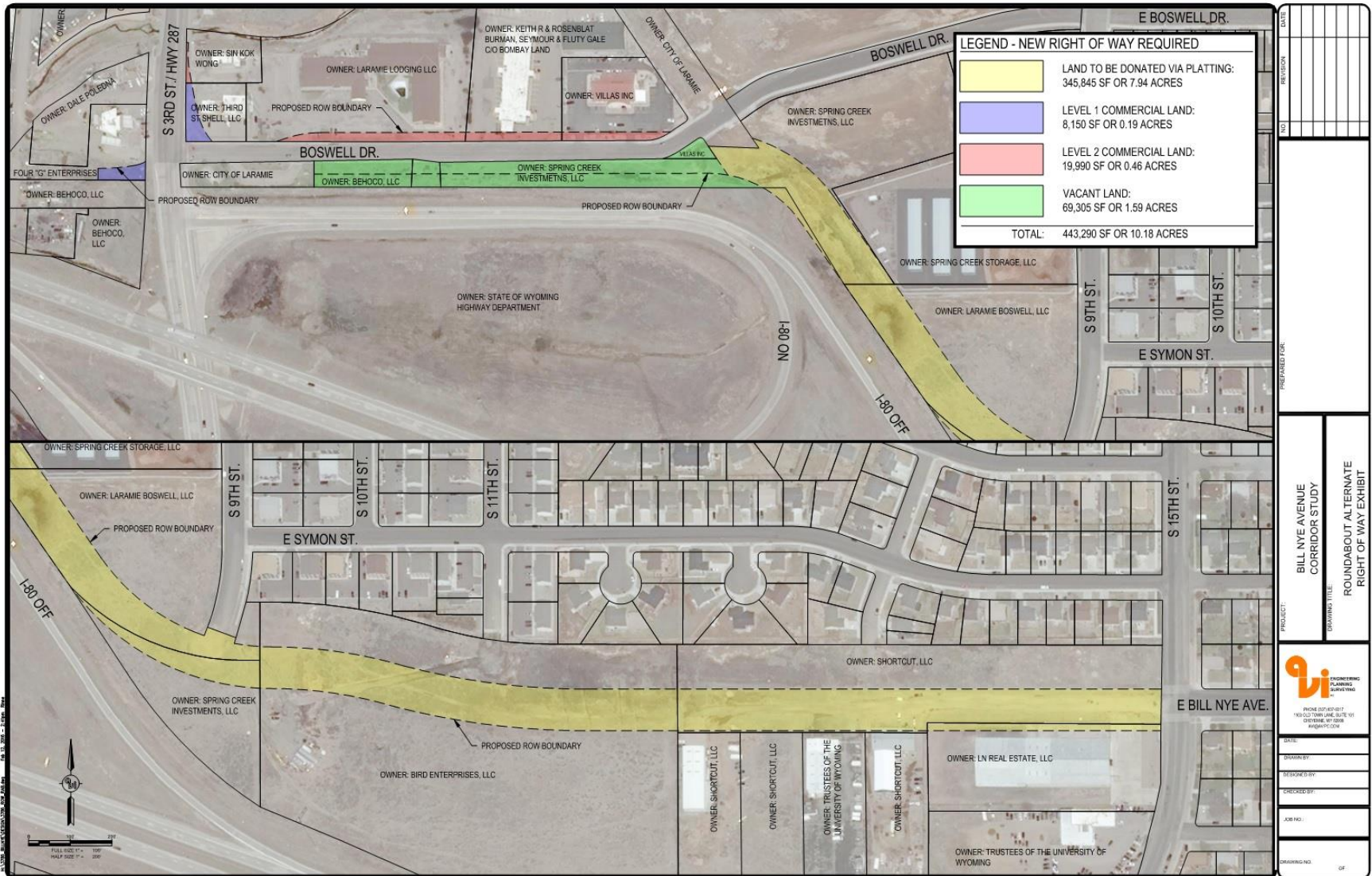
Alternative 3: Right-of-way Acquisition?



Alternative 3: Right-of-way Acquisition?



Alternative 4: Right-of-way Acquisition



Alternative 4: Right-of-way Detail



Level of Service Analysis

Year 2035 Intersection Operational Summary

Option	Intersection LOS											
	3rd / Russell		3rd / Sanders		3rd / Palmer Street		3rd / Boswell		3rd / I-80 Ramps		3rd / I-80 Ramps	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Move 3rd / Boswell North	A	A	C	D	—	—	A	A	D	F	AM	A
	Signalized		Stop Controlled		—		Signalized		Stop Controlled		Signalized	
Bill Nye Intersects 3rd Street at Palmer Street	A	B	C	D	A	A	—	—	D	F	A	A
	Signalized		Stop Controlled		Signalized		—		Stop Controlled		Signalized	
Roundabout at 3rd Street / Boswell Drive / I-80 Ramps	B	B	C	D	—	—	B	C	—	—	—	—
					—		Roundabout		—		—	
No Nothing	B	B	C	D	—	—	B	A	D	F	A	A
	Signalized		Stop Controlled		—		Signalized		Stop Controlled		Signalized	

Engineers Opinion of Cost (Present Worth)

Description of Area	Construction Cost (1)	Right-of-way Cost (2)	Engineering Design (3)	Total	For Estimate
Alternative 1: Do Nothing	\$ 283,376.10	\$ -	\$ 24,641.40	\$ 308,017.50	\$ 310,000
Alternative 2: Revised Bill Nye Avenue	\$ 4,375,468.25	\$ 1,589,020.00	\$ 190,237.75	\$ 6,154,726.00	\$ 6,160,000
Alternative 3: East Palmer Drive	\$ 6,059,914.65	\$ 148,140.00	\$ 263,474.55	\$ 6,471,529.20	\$ 6,480,000
Alternative 4: RAB 3rd Street	\$ 4,916,573.15	\$ 798,820.00	\$ 427,528.10	\$ 6,142,921.25	\$ 6,150,000

Footnotes:

- (1) The Cost Estimates were developed using data from the Colorado Department of Transportation (CDOT) *2014 & 2015 Cost Data Book* compiled by the Engineering Estimates and Marketing Analysis Unit; *2014 & 2015 Weighted Average Bid Prices*, compiled by WYDOT; and Typical Costs from historical AVI project experience database.
- (2) Right-of-way costs are based on listed values of adjacent similar property gathered by City of Laramie Planning Division and AVI, pc (i.e. South 3rd Street, Undeveloped, Commercial Level 1 and Level 2)
- (3) Engineer Design estimated at 5% (2 and 3) and 10% (4) of total construction cost.

Alternatives Analysis

Criteria	Alternative 1 Do Nothing	Alternative 2 Boswell Realignment	Alternative 3 E. Palmer Extension	Alternative 4 RAB at 3 rd Street
Construction Cost	1	4	5	4
Constructability	1	5	5	4
Construction Phasability	1	4	4	2
Maintenance	1	3	3	4
Public Consensus	5	2	4	3
Business Negative Impact	2	5	1	3
Neighborhood Negative Impacts	5	2	2	1
Level of Service 2035	5*	5*	1	1
Meets Goals and Objectives	5	4	2	1
Average	3.1	3.8	3.0	2.6

Where do we go from here?

Activity	Tentative Schedule*
Council Work Session	February 9, 2016
Draft Corridor Plan	February – March, 2016
Steering Committee	February 16, 2016
Submit Draft Plan for Review	March 18, 2016
Final Draft	April 1, 2016
Presentation to Governing Body	April, 2016

Thank you!

