West Side Connector Draft Alternatives

Circulation Element Advisory Committee March 24, 2021

Workshop Purpose

- 3 potential "West Side Connector" Alternatives were prepared for the Committee's review and comment.
- The Alternatives evaluation include criteria that address City Council guidance, neighborhood compatibility, and engineering design standards.
- The slideshow explains the Alternatives and the scoring rationale.
- We're looking forward to your thoughts and committee recommendations!



Today

Green Island Road

Napa Junction R

Valley Vie Seniors

Sutter Name Wind

Must use Broadway to connect between Devlin Road/GI Road intersection and Midpoint Eucalyptus Drive.

Start Here

Devlir

DARConstruction

Com Cola

erages

120

Commerce Ct

Meandering

lass 1 Bike Lane

Vetlands

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Edge

A meandering Class 1 Bike Lane prohibits Motor Vehicles between Commerce Ct and Wetlands Edge Court.

End Here

Today

Roa

Must use Broadway to connect between Devlin Road/GI Road intersection and Midpoint Eucalyptus Drive.

Start Here

Devlin

DARConstruction

Cosa Cola

I.I.I

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Vetlands

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Edge

ereges

120

100

Commerce Ct

Many exit Broadway at Napa Junction Road and take Theresa Ave to Eucalyptus.

Meandering Class 1 Bike Lane

Proposed Oat Hill

Napa Junction Ro

Green Island Road

Sutter Name Wins

End Here

TRVE

Valley Viev Seniors

Sonie Dr

Existing General Plan

Neighborhood De

Valley Viev Seniors SonicDr

Suites Napa

Green Island Road

Adopted 2013

2.

Start Here

DIRConstruction

Inc

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Cora Cola

Wine Cask

PERIOS V

"L" Shaped connector between Devlin Road/GI Road intersection and Midpoint Eucalyptus Drive.

 Precedes new NJ Elementary School, Clarke Ranch Park planning, and warehouses off Commerce Ct.
 Avoids a direct connection between

Wintello-Windsterr

Avoids a direct connection between Commerce and Wetlands Edge.

End Here

West Side Connector Criteria

Listed in order of Priority:

- Neighborhood compatibility.
- Completion time.
- Impact to Existing Improvements (i.e.: road widening).
- . Right-of-way acquisition.
- . Cost.
- 6. Network Connectivity
 - Environmental impacts (i.e.: wetlands, potential underground hazards).
- 8. Ease of design.

All Alternatives

Hess Road

P ar

agnet

3A, B

3B

mart S

Soule Dr

Green Island Road

Start at Devlin/GI Road

Devlin

Roa

EHRConstruction

1A,B,C

2A,B

3A,B,C

1.

2.

3.

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6.

BAUTU 4.

10

1B

2A

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1A.B

1A

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Wine Cask

970909 🔘

- End Mid-Point Eucalyptus Drive
- New roads are blue dashed line.

3A.B

2B

2A

htEuture/Academy

MissensWinery

1A,B,C

2A,B

New GP roads are yellow dashed line.

Start Here

All Alt's avoid creating a new RR Xing.

Bike network will "catch up" with rest of GP update

REMein

III RAV PERSING

Proposed Oat

Napa Junction Road

End Hereley View

3A,B

Alternative 1

Nissen Vineyard Services

Dari

mart S

Sonie Dr

ction Magnet entary School

> Valley View Seniors

1. The most "western" Alternative alignment.

Green Island Road

Devlin

Road

gi Brothers

1C

Missene Winery

JANCE ACAROLI

Sorth Sloval

Sadwall Park

Start Here

DHR Construction

1B

1C

Cilion (

Woard Conford

Warehouse milliogistics

renopue

FL FD -----

No. 1

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(Casa Gala

Wine Cask

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2. Three sub Alternatives: 1A, 1B, and

REMEN

III RV Parking

Preposed Gat

Napa Junction Road

A Bright Future Academy

End Here

Alternative 1A

Nissen Vineyard Service

 West on Green Island Road.
 South on Commerce past cul-de-sac to Eucalyptus Drive.

Green Island Road

3. East on Eucalyptus Drive



Start Here

DHRConstruction

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CETTICKS

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COC

(Casa Gala

Wine Cask

Ciegos C

Devlin

North Sloual

gi Brothers

Alternative 1B

Nissen Vineyard Service

- 1. West on Green Island Road.
- 2. South on Commerce past cul-de-sac
- East between the Eucalyptus Grove and School District property.

Green Island Road

 South along east side of School District property
 East on Eucalyptus Drive

Napa Junction Roas

Valley View

Sonie Dr

III RV Parking

0.7 Miles

End Here

Start Here

DHRConstruction

1A

1 B

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Wine Cask

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Alternative 1C

Nissen Vineyard Services

 West on Green Island Road.
 South on Commerce to cul-de-sac
 East through the Eucalyptus Grove.
 South along east side of Eucalyptus Grove and School District property
 East on Eucalyptus Drive

ill RV Parking

Napa Junction Road

Green Island Road

0.7 Miles

End Here

A Bright Future Academy

Start Here

ci Brothers

DHRConstruction

1B

milliogistics

1 B

Badwall Bark

W

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1 1 1 5 3

Wine Cask

CIEDIES C

Valley View Sectors

Sonie Dr

Alternative 2

Nissen Vineyard Services

Valley View

Sonle Dr

Similar to Alt 1, but avoids Commerce Ct and Wetlands Edge Ct.

Green Island Road

Devlir

Road

Start Here

1.

Milocene Wines

DHRConstruction

orth America

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Centers

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1 1

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Cosa Cola

Wine Cask

eraces

- Alt 2A impacts a "wetland" feature near Eucalyptus Drive.
- 3. Alt 2B path endpoint path near Eucalyptus Drive is most similar to Existing General Plan.

End Here

Alternative 2A

Nissen Vineyard Services

Valley Viev

Sonle Dr

West on Green Island Road.
South on Commerce to the north edge of the Eucalyptus Grove.
East along the north side of the Eucalyptus Grove.

Green Island Road

Start Here

2.

3.

DHRConstruction

rth America

Camera

W

Coca Cola

erages

 South along the east side of the Eucalyptus Grove
 East on Eucalyptus Drive

0.6 Miles

End Here

2B

Alternative 2B

Valley View

Sonie Dr

Green Island Road

West on Green Island Road.
South on Commerce to the north edge of the Eucalyptus Grove.
East along the north side of the Eucalyptus Grove.

Start Here

2

3.

Carriers

2A

DHRConstruction

W

Coca Cola

enteres

 South along the east side of the Eucalyptus Grove to the northern edge of the School District Property
 Southeast to Eucalyptus Drive

0.6 Miles

End Here

2B

Alternative 3

Nissen Vineyard Services

Neighborhood Deale

Hess Roa

3A

3B

Valley View Seniors

3A

Napa Junction Road

3B

Sonic Dr

& Suites Napa

American Canyor ollision Center, Inc

Green Island Road

1. The most "indirect" connector. (West, South, East, South, West)

Devlin

Road

orth Slough

Whiteskine

24

20

Start Here

Vinitio-WineStater

ONE87 Wine

REMaher

III I RAY PERKING

Academy

End Here

DHR Construction

Ing

3A

3B

orth America

DD SEED White

Weat

BAUJEUSK

Clion

Conters

W

Cees Cela

3.

4.

Whecask

0 899018

- 2. Hillside terrain between Commerce and Hess Rd.
 - Older, existing roads may need to be widened.
 - Many homes along the route.

Gadwall Park

Alternative 3A

Nissen Vineyard Services

Neighborhood Dealer

less Road

3B

American Canyon ollision Center, Inc.

Green Island Road

Start Here

Winfolio-WineStater

DNE87/Wine

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lion

Carlers

arth America

West

1.

2.

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Whe Cask

eleges 🦕

East on Green Island Road.

South on Commerce to north side of Eucalyptus Grove

Viapeikine

3,A

3B

East from Commerce to Hess Road

- South on Hess Road
- East on Napa Junction Road South on Theresa Avenue West on Eucalyptus Drive

1.2 Miles

End Here

Valley View 🖉

3B

Holiday.inn & Suites Napa

Sonle Dr

1111 11

Alternative 3B

Nissen Vineyard Service

American Canyon ollision Center, Inc.

Neighborhood Deale

Hess Road

3B

Sonle Dr

& Sultes Napa

Green Island Road

Start Here

Windlo-WindSorgo

LEST WERE

East on Green Island Road. South on Commerce to north side of **Eucalyptus Grove** East from Commerce to Lombard Road South on Lombard Road Wast on Napa Junction Road South on Theresa Avenue

West on Eucalyptus Drive

giBrothers

Vapekine

2 4

28

orth Slough

DHRConstruction

38

orth America

Weat

Carlena

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COCLICUM

2.

3.

5.

6

1 I MARTINE

Cees Colo

Whecask

eleges 💭

1.4 Miles

End Here

enior

unction Road

Alternative 2A Scores #1

- Alternative 3B Scores the lowest
- The criteria was weighted. Higher criteria rank indicates greater importance.
- Lowest weighted score "wins"

Criteria Criteria Rank	Cost 4	Design	ROW	Environmental		Completion Date 7	Neighborhood Compatibility 8	Impact to Existing Improvements 6	Natural Score	Weighted Score	Numerical Rank
	1		1	1	1	1	7		22	26.00	4
Alt 1A	1	4	1	Ţ	1	1	/	6	22	26.00	4
Alt 1B	2	4	2	5	2	2	2	6	25	23.11	2
Alt 1C	3	1	4	7	2	3	2	3	25	24.00	3
Alt 2A	4	1	2	5	2	3	2	3	22	21.78	1
Alt 2B	5	3	5	2	5	3	1	2	26	24.00	3
Alt 3A	6	6	6	3	6	4	5	7	43	43.11	5
Alt 3B	6	6	7	3	6	4	5	7	44	44.22	6





- <u>Alternative 2A Scores #1</u>
- Alternatives 3A and 3B Score the lowest
- The criteria was weighted. Higher criteria rank indicates greater importance.
- Lowest weighted score "wins"

Criteria Criteria Rank	Cost 4	Design	ROW	Environmental 2		Completion Date 7	Neighborhood Compatibility 8	Impact to Existing Improvements 6	Natural Score	Weighted Score	Numerical Rank
Alt 1A	1	4	1	1	1	1	7	6	22	26.00	4
Alt 1B	2	4	2	5	2	2	2	6	25	23.11	2
Alt 1C	3	1	4	7	2	3	2	3	25	24.00	3
Alt 2A	4	1	2	5	2	3	2	3	22	21.78	1
Alt 2B	5	3	5	2	5	3	1	2	26	24.00	3
Alt 3A	6	6	6	3	6	4	5	7	43	43.11	5
Alt 3B	6	6	7	3	6	4	5	7	44	44.22	6





- Alternative 2A Scores #1
- Alternative 3B Scores the lowest
- The criteria was weighted. Higher criteria rank indicates greater importance.
- Lowest weighted score "wins"

Criteria	Cost	Design	ROW	Environmental			Neighborhood Compatibility	Impact to Existing Improvements	Natural Score	Weighted Score	Numerical Rank
Criteria Rank	4	T	5	Z	5	/	8	6			
Alt 1A	4	4	4	1	4	1	7	6	22	26.00	4
Alt 1B	2	4	2	5	2	2	2	6	25	23.11	2
Alt 1C	3	1	4	7	2	3	2	3	25	24.00	3
Alt 2A	4	1	2	5	2	3	2	3	22	21.78	1
Alt 2B	5	3	5	2	5	3	1	2	26	24.00	3
Alt 3A	6	6	6	3	6	4	5	7	43	43.11	5
Alt 3B	6	6	7	3	6	4	5	7	44	44.22	6

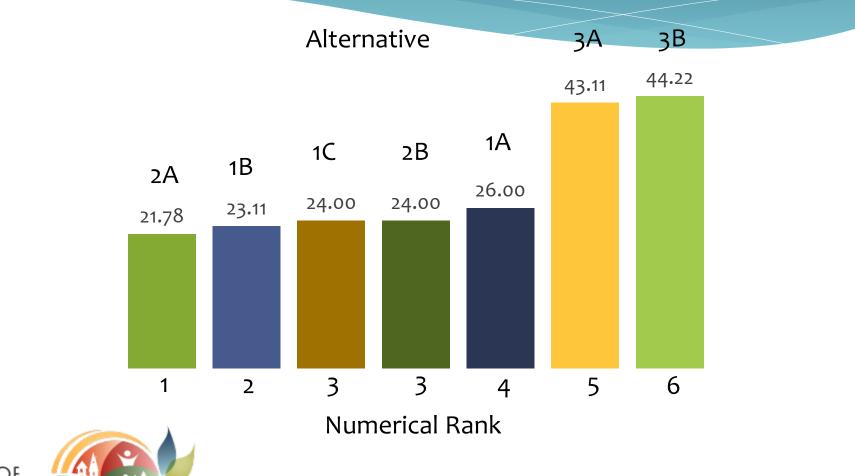


- Alternative 2A Scores #1
- Alternative 3B Scores the lowest
- The criteria was weighted. Higher criteria rank indicates greater importance.
- Lowest weighted score "wins"

Criteria	Cost	Design		Environmental		Completion Date	Neighborhood Compatibility	Impact to Existing Improvements	Natural Score	Weighted Score	Numerical Rank
Criteria Rank	4	1	5	2	3	/	8	6			
Alt 1A	1	4	1	1	1	1	7	6	22	26.00	4
Alt 1B	2	4	2	5	2	2	2	6	25	23.11	2
Alt 1C	3	1	4	7	2	3	2	3	25	24.00	3
Alt 2A	4	1	2	5	2	3	2	3	22	21.78	1
Alt 2B	5	3	5	2	5	3	1	2	26	24.00	3
Alt 3A	6	6	6	3	6	4	5	7	43	43.11	5
Alt 3B	6	6	7	3	6	4	5	7	.4	44.22	6



Alternative Comparisons





Committee Q&A

Thank You!



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