Technical Memo

Date:	June 21, 2017
Project:	I-29 Exit 77 (41 st Street) Interchange and Environmental Study Project # PL0100(84) 3616P, PCN 05MH; IM0293(A6)77 3014N, PCN 03RA
To:	Study Advisory Team
From:	HDR
Subject:	Public Involvement Summary – April and May 2017

1. Purpose

The purpose of this memo is to document the final phase of public involvement for the I-29 Exit 77 (41st Street) interchange and environmental study.

2. Documents Released

The documents below were placed on the project web site (www.41ststudy.com/) on April 12, 2017. Landowners were notified of the availability of these documents via invitation letters and postcards for the landowner group meetings and public meeting.

- 🚣 Mtg Notes Carolyn Ave Gustafson I-29 Exit 77 11 17 16.pdf
- ' 🍌 Mtg Notes I-29 to Marion Rd Landowners I-29 Exit 77 09 28 16.pdf
- 🚣 Mtg Notes Carolyn Ave Landowners I-29 Exit 77 08 30 16.pdf
- 🚣 Noise Report I-29 Exit 77 04 12 2017.pdf
- ' 🚣 Purpose and Need Memo I-29 Exit 77 04 12 2017.pdf
- ' Lechnical Memo 1 Existing Traffic Conditions I-29 Exit 77 04 12 2017.pdf
- '🍌 Technical Memo 2 Crash Analysis I-29 Exit 77 04 12 2017.pdf
- Lechnical Memo 3 Future Traffic Conditions I-29 Exit 77 04 12 2017.pdf
- Lechnical Memo 4 Predictive Crash Analysis I-29 Exit 77 04 12 2017.pdf
- Lechnical Memo 5 Carolyn Ave Alts Evaluation I-29 Exit 77 04 12 2017.pdf
- 🚣 Technical Memo 6 Interchange Alts Evaluation I-29 Exit 77 04 12 2017.pdf
- Technical Memo 7 41st west of I-29 Alts Evaluation I-29 Exit 77 04 12 2017.pdf
- 🚣 Technical Memo 8 41st east of I-29 Alts Evaluation I-29 Exit 77 04 12 2017.pdf

3. Landowner Group Meetings

- 3.1 April 24 41st Street from I-29 to Marion Road
 - 37 invitation letters were sent out on April 14, 2017.
 - Meeting was attended by 9 landowners/representatives.
 - Meeting notes are include in Appendix A.
 - Meeting display materials are included in Appendix G
- 3.2 April 25 41st Street from I-29 to Shirley Avenue and Carolyn Avenue
 - 23 invitation letters were sent out on April 14, 2017.
 - Meeting was attended by 10 landowners/representatives.
 - Meeting notes are include in Appendix B.
 - Meeting display materials are included in Appendix G



4. Individual Landowner Meetings

Several landowners were unable to attend the landowner group meetings so meetings were held with individual landowners or small groups of landowners. These meetings included:

- 4.1 May 9 Perkins Restaurant representatives (see **Appendix C** for notes)
- 4.2 May 10 Gas Stop representatives (see **Appendix D** for notes)
- 4.3 May 18 Mount Marty College, Godfather's Pizza, Black Diamond Casino representatives (see **Appendix E** for notes)
- 4.4 May 30 Red Rock Inn representative (see **Appendix F** for notes)

The notes for each meeting document resolution of issues and consensus reached.

5. Public Meeting

- 5.1 Notifications were:
 - 98 postcard invitations were sent out on April 27.
 - Notices were placed in the Sioux Falls Argus Leader on April 24 and May 1.
 - SDDOT issued a press release on May 8.
 - The City of Sioux Falls placed portable message signs along 41st Street for approximately one week prior to the public meeting.
- 5.2 Display boards are provided in **Appendix G.**
- 5.3 Presentation slides are provided in **Appendix H**.
- 5.4 Approximately 20 members of the public attended the meeting. Sign in sheets are provided in **Appendix I**.
- 5.5 Written comments from the public meeting are included in **Appendix J**.

6. Comments and Responses

The various meeting notes document comments raised at the meeting(s) and the applicable resolution and/or concurrence.

Additional comments received via email or comment cards are provided in **Appendix J**. Responses to the comments are also provided.



7. Recommended Alternatives

Recommended alternatives following the April/May public involvement are listed below (blue text indicates revision from the April 12, 2017 technical memos):

7.1 Carolyn Avenue

Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward
4	West Side Carolyn Avenue Cul-de-sac	 Meets traffic, safety, and design critera Maintains connection to Carolyn Avenue from Fryn' Pan/King's Mart properties Anticipated initial ROW acquisition cost is \$0.7M vs. \$2.2M for Alternative 5. Pizza Hut property will be vacated as of September 2017 and the landowner has indicated a desire to sell the property. Pizza Hut property could be utilized to install drainage facilities to reduce flooding.

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination		
1	Right-in / Right-out at Existing Carolyn Avenue Alignment	Intersection will remain within the 41 st Street right turn lane therefore SDDOT spacing criteria is not met.		
2	Right-in / Right-out at Realigned Carolyn Avenue	 Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met. 		
3	Right-in Only at Existing Carolyn Avenue Alignment	 Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met. 		
5	East Side Carolyn Avenue Cul-de-sac	 Anticipated initial ROW acquisition cost is \$2.2M vs. \$0.7M for Alternative 4. Red Rock Inn owner does not prefer to sell the property. 		
6	Realigned Carolyn Avenue to Empire Mall Entrance	 Requires purchase of three commercial properties Potential environmental impact with contaminated materials at Kings Mart convenience store/gas station 		



7.2 I-29 Interchange

Alternatives recommended to be carried forward for further consideration:

Alternative	Main reason(s) for carrying forward	
Diverging Diamond Interchange	 Significantly lower construction cost than SPI (regardless of treatment of the existing bridge) Allows for better maintenance of traffic during construction than SPI Lower predictive crash rate than SPI 	

Alternatives recommended to be eliminated from further consideration:

Alternative	Main reason(s) for elimination	
Single Point Interchange	Significantly higher construction cost than DDIDifficulty in maintaining traffic during construction	
go	Higher predictive crash rate than DDI	

7.3 41st Street from I-29 to Marion Road

Alternatives recommended to be carried forward:

Alternative	Description	Main reason(s) for carrying forward
B1	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd	 Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination
А	Raise center median with full access only at signalized intersections	 Landowner opposition to perceived access restrictions Alternative B1 addresses access concerns
B2	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd <u>and</u> 3/4 access at Godfathers/Mount Marty College entrance	 Eliminates up to 8 Black Diamond Casino parking spaces. Eliminates at least 6 Godfather's Pizza parking spaces. Eliminates at least 4 Mount Marty College parking spaces. Eliminates Godfather's Pizza drive-through lane. City policy is to provide the 3/4 access configurations at street intersections or at a combination of multiple driveways.
С	Center two-way left turn lane	 Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met.



7.4 41st Street from I-29 to Shirley Avenue

Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward
А	Raise center median with 3/4 access at W Empire Place and two- way mall access at Shirley Avenue	 Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties 3/4 access raised median configuration serves multiple businesses via the Empire Mall entrance road.

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination
В	Raise center median with 3/4 access at W Empire Place and one- way mall access at Shirley Avenue	One-way mall access road is not desired by the property owner (Empire Mall); the City of Sioux Falls concurs with the property owner.
С	Center two-way left turn lane	 Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met.



Meeting Minutes

Project:	I-29 Exit 77 (41st Street) Interchange and Environmental Study		
Subject:	I-29 to Marion Road Landowners		
Date:	Monday, April 24, 2017		
Location:	Kuehn Community Center		
Attendees:	Andy Wall, M. Isaak, Jim Mash, Mitch Evertse – SF Fire and Rescue Jim Welch – Lewis Drug Tom Walsh – Burger King Terry Nielsen – Nielsen Building	Greg Heine – Mount Marty College Vick Patel – Flowerama Shannon Ausen – City of Sioux Falls Travis Dressen - SDDOT Jason Kjenstad, James Unruh (HDR) (see Attachment 2 for sign-in sheet)	

1. Invitations

- 1.1 37 invitation letters were sent out on April 14 to landowners along 41st Street and Marion Road within the project vicinity.
- 2. PowerPoint slides reviewed by Jason Kjenstad (see Attachment 1)
- 3. Display boards of alternatives and comparison matrices
 - 3.1 See 5/10/17 Public Meeting display items

4. Discussion items

- 2.1 Sioux Falls Fire and Rescue The mountable section of 41st Street raised median for Alternatives A, B1, and B2 meets SFFR access requirements.
- 2.2 Mount Marty College (MMC)
 - Greg Heine requested a more detailed analysis of the parking and Godfather's Pizza drive-through lane impacts for Alternative B2 than was provided at the meeting.
 - Follow-up: HDR will attempt to set up a meeting with MMC, Godfather's Pizza site, and Black Diamond Casino site representatives to more closely review the impacts of the various alternatives.

2.3 Perkins Restaurant

- No representatives were able to attend due to an unexpected conflict.
- Follow-up: A separate meeting will be held with Perkins representatives.



Responsible Agencies

- City of Sioux Falls
- South Dakota Department of Transportation
- Federal Highway Administration
- Metropolitan Planning Organization

Lead Design Consultant

HDR

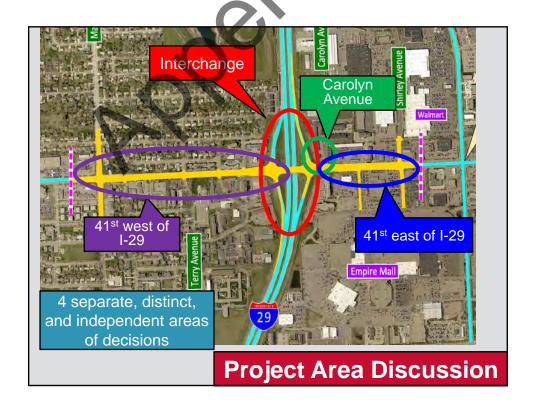
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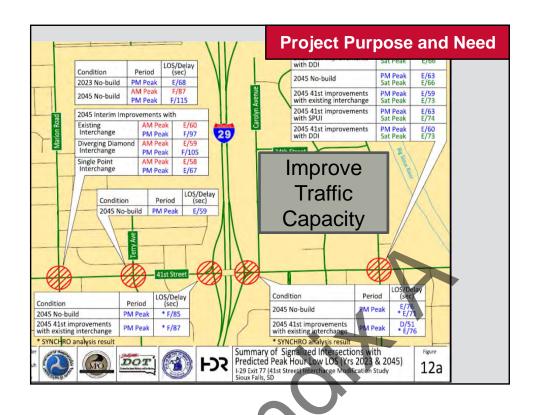
James Unruh – HDR Jason Kjenstad – HDR Travis Dressen – SDDOT

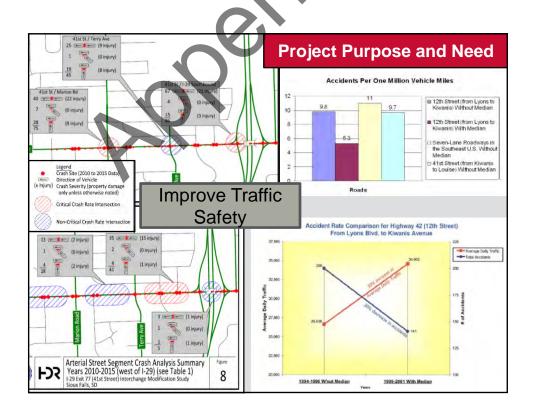
Shannon Ausen – City

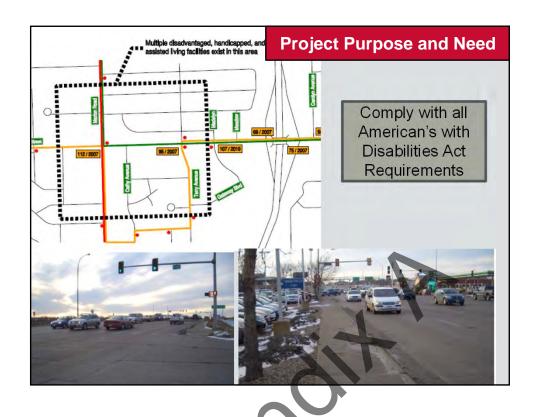
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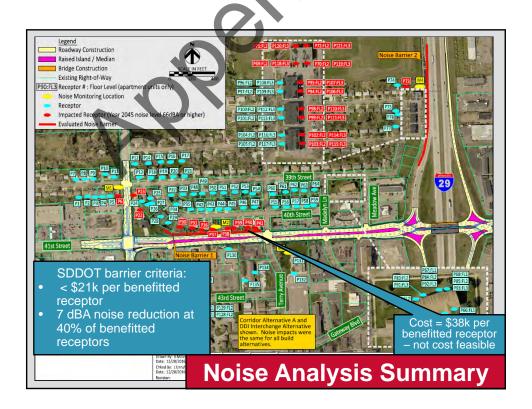




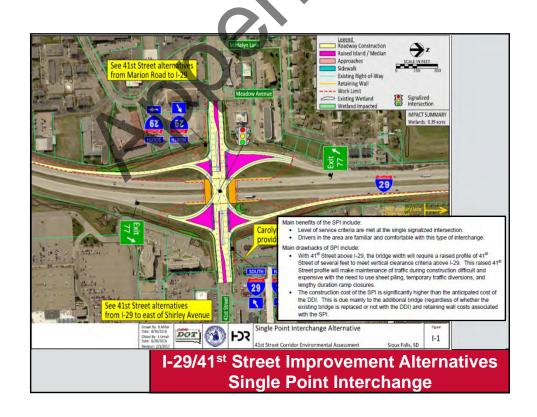


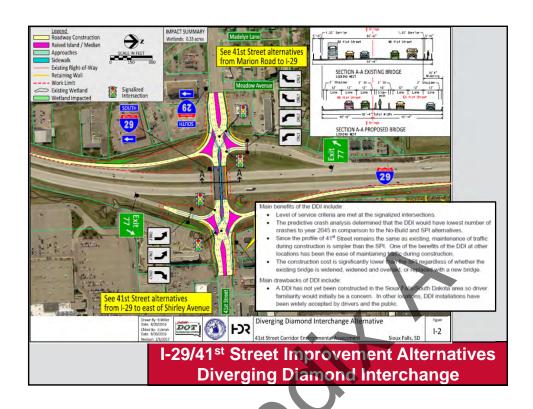


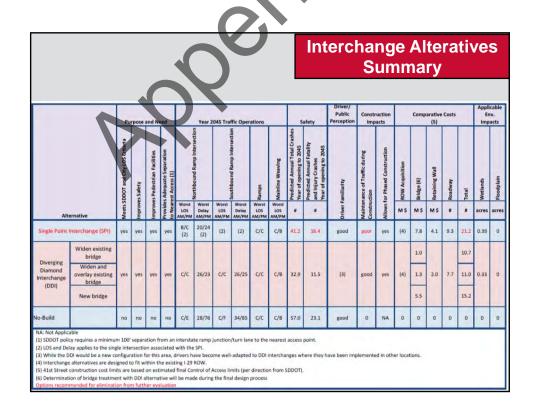


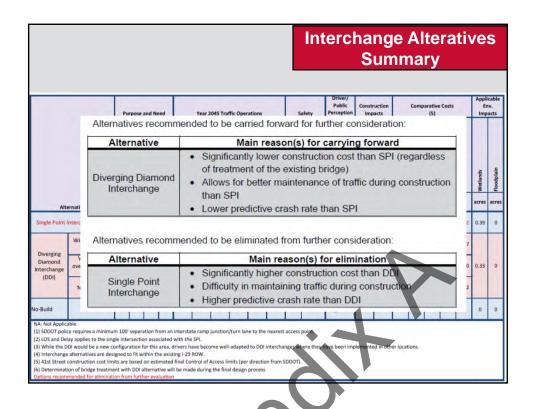


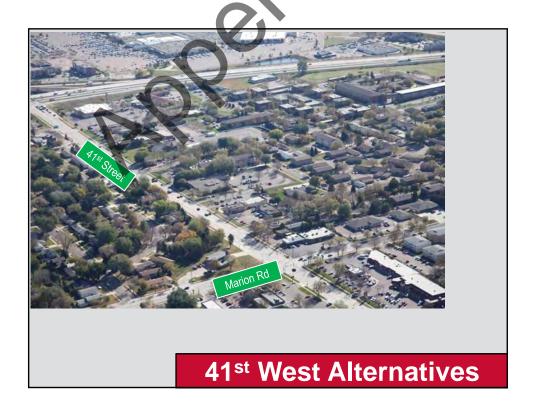




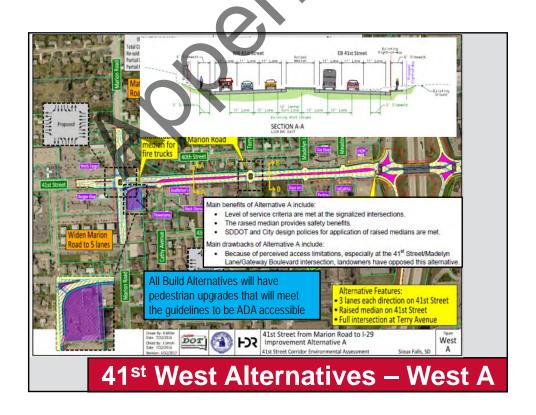


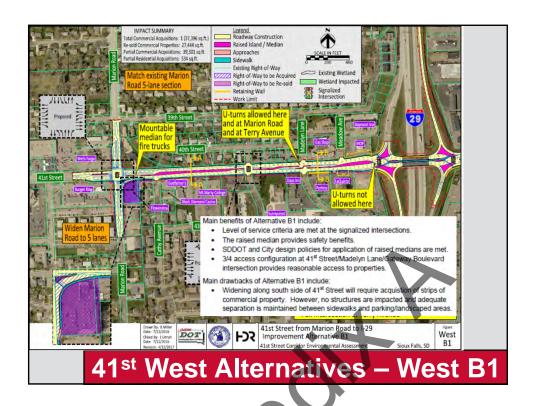


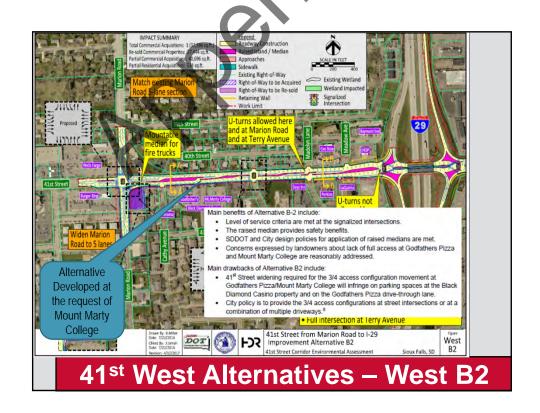


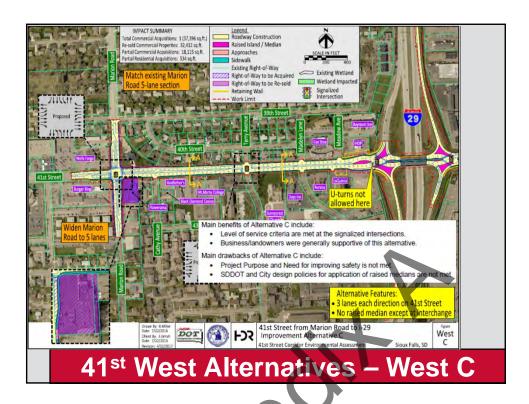


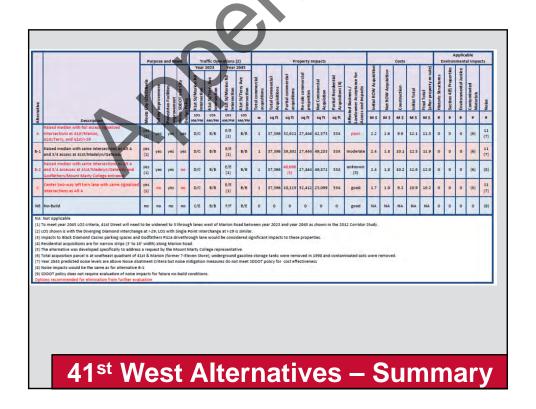


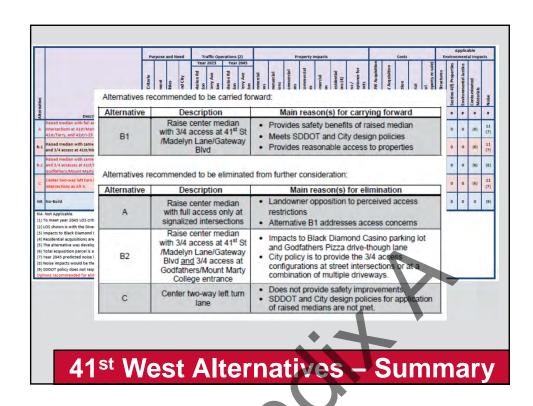














NEXT STEPS

- I-29 to Shirley Avenue Meeting 04/25/17
- Fill out Comment Card
- Compile, Revise, and Address Comments
- Finalize Environmental Study with selected Alternative
- Begin Next Phase of Project
 - Preliminary Design
 - ROW Acquisitions
- Construction Scheduled to begin 2023



1-29 Exit 77 (41st Street) Environmental Study

1-29 to Marion Road Landowner Meeting

April 24th, 2017 Kuehn Community Center

Sign-in Sheet (Please Print)

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Jason Kjenstad	HOR	6805, ON Willege Pl. SF, SD	605-477-7140
2	James Unruh	HDR	GOO S, Old Village PI	605-177-77 40
3	Shamm Alisen	CSF .	334 W,945 St SF SD	605-367- 8607
4	Terry Nielger	Nielsen Office	4809 W. 4125 St.	605-361-88
5	Grea Leine	Mini Many College	\$ 1165 west 8"st yorkland so south	40 605 668-1502
6	To colot	7× 24	7800 U. 53AD SX	3601711
7	Jim Hans	SFFR		362-2815
80	Mitch Evertse	SFFR		362-2815
9	Travis Dressen	50007		
10	Viak popa	Flowerama		376-3183

1-29 Exit 77 (41st Street) Environmental Study

1-29 to Marion Road Landowner Meeting

April 24th, 2017 Kuehn Community Center

Sign-in Sheet (Please Print)

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	JimWelch	Lewis Drug	2701 S. Min. Ave	605-367-28
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1-29 Exit 77 (41st Street) Environmental Study

1-29 to Marion Road Landowner Meeting

April 24th, 2017 Kuehn Community Center

Sign-in Sheet (Please Print)

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Andy wall	SFFR 5FFR		362-3636
2	Andy wall M. Isaak	5FFR		362-3636
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Meeting Minutes

Project:	Project: I-29 Exit 77 (41 st Street) Interchange and Environmental Study Subject: I-29 to Shirley Avenue Landowners Date: Tuesday, April 25, 2017		
Subject:			
Date:			
Location:	Kuehn Community Center		
Attendees:	Rick Weisser, Stan Mitzel, Bob Fischer, Kim Blackburn, Dave Stukel – Fryn' Pan Katie Seitz – My Place Hotel Chuck Gustafson – Pizza Hut Sue Wang (and 2 additional representatives) – King's Mart	Shannon Ausen – City of Sioux Falls Darin Johnson – SDDOT Jason Kjenstad, James Unruh (HDR) (see Attachment 2 for sign-in sheet)	

1. Invitations

- 1.1 23 invitation letters were sent out on April 14 to landowners along Carolyn Avenue and along 41st Street from I-29 to Shirley Avenue within the project vicinity.
- 2. PowerPoint slides reviewed by Jason Kjenstad (see Attachment 1)
- 3. Display boards of alternatives and comparison matrices
 - 3.1 See 5/10/17 Public Meeting display items

4. Discussion items

2.1 My Place Hotel – Because of the safety issues at the 41st Street/Carolyn Avenue intersection, they generally encourage their patrons to use 38th Street and Shirley Avenue to get to and from 41st Street.

2.2 Pizza Hut

- Have court cases relating to property access at the I-90/Cliff Avenue interchange affected recommendations for the Carolyn Avenue alternatives?
- Kjenstad responded that some of the court cases for the I-90/Cliff Avenue interchange are still on-going and it is not known yet if any of those cases would directly or indirectly apply to the Carolyn Avenue alternatives.

2.3 Fryn' Pan Restaurant

- Recommended cul-de-sac Alternatives 4 and 5 would likely result in cutthrough traffic from 41st Street to Carolyn Avenue within their property. The only way to eliminate cut-through traffic would be to close off the driveway to Carolyn Avenue. However, that would stop drivers from getting to eastbound 41st Street via Carolyn Avenue/38th Street/Shirley Avenue.
- Fryn' Pan's west driveway was added several years after they moved to the current site. Removal of that driveway as proposed with recommended Alternatives 4 and 5 is not desirable but may be necessary.

2.4 King's Mart and Fryn' Pan Restaurant

 The proposed 3/4 access raised median configuration on 41st Street reduced many of the access concerns of these landowners. They would still prefer Alternative C (no raised median on 41st Street) but could understand the benefits of 41st Street recommended Alternative A.



Responsible Agencies

- City of Sioux Falls
- South Dakota Department of Transportation
- Federal Highway Administration
- Metropolitan Planning Organization

Lead Design Consultant

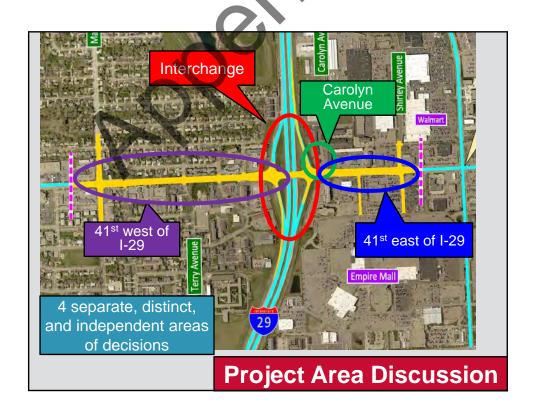
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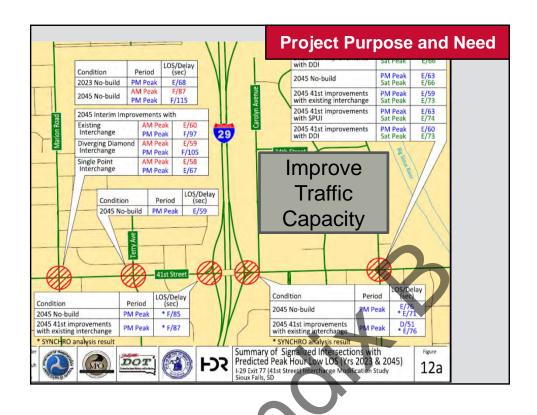
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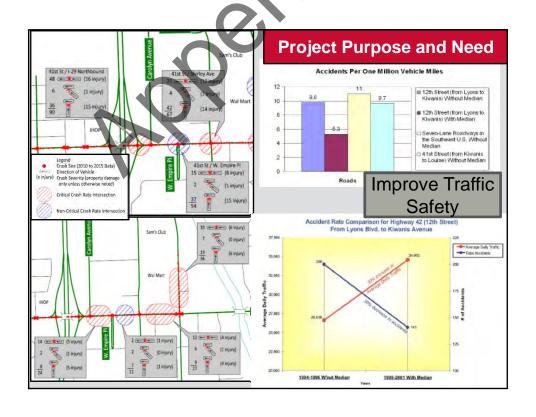
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Project Team

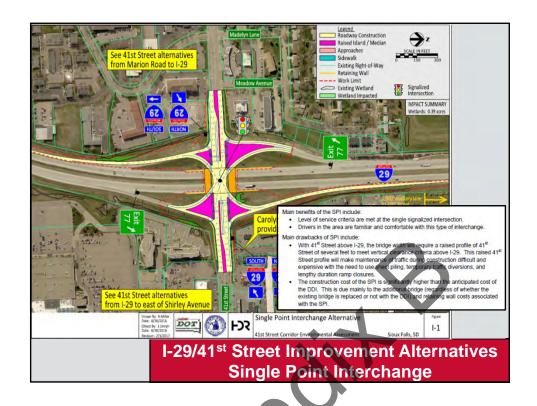


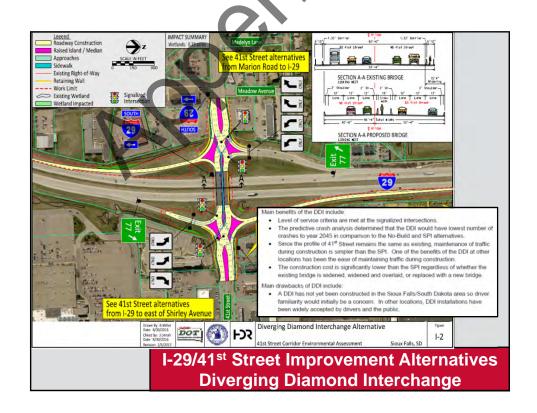


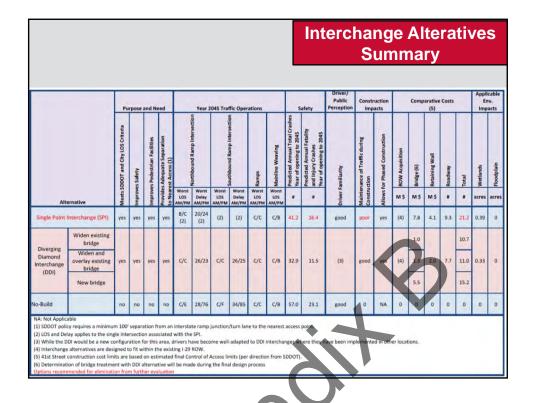


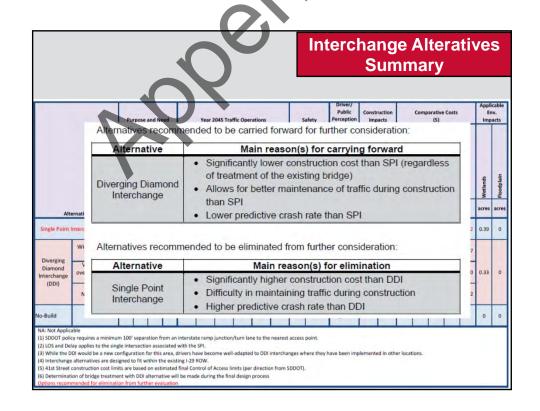




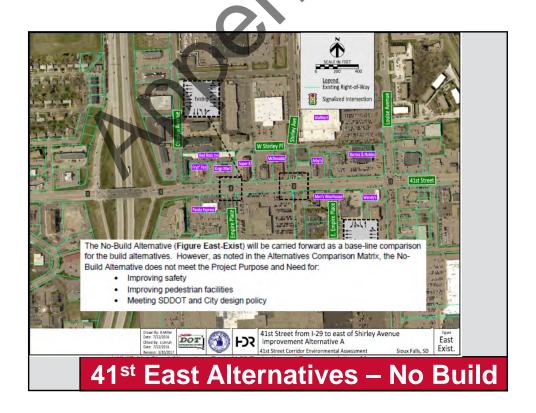




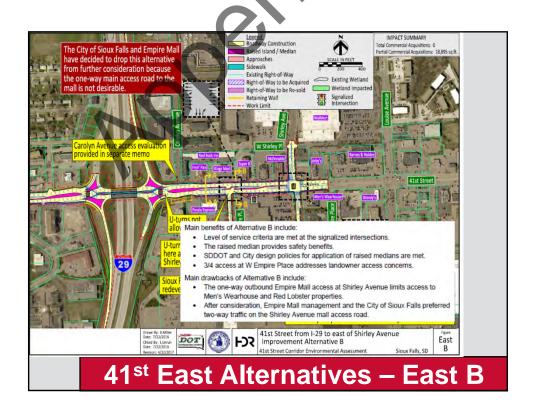




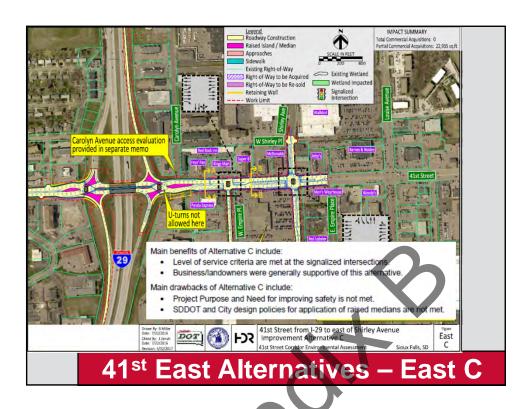


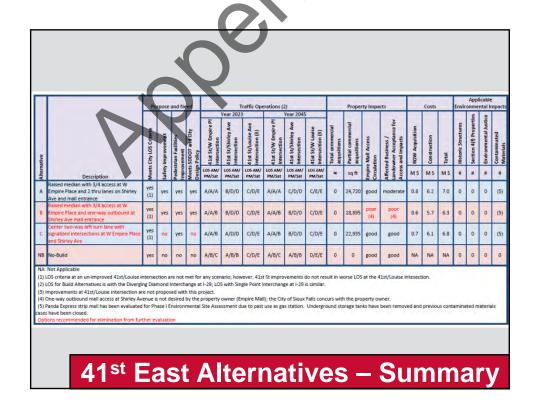


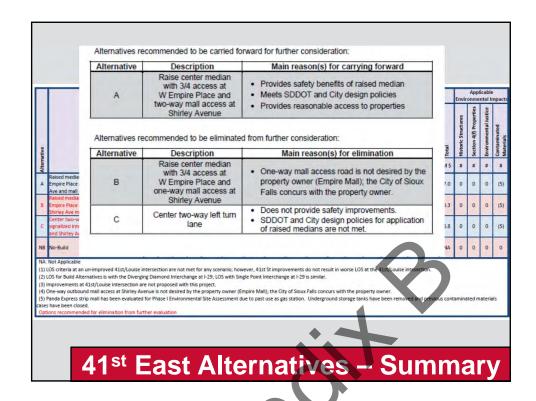




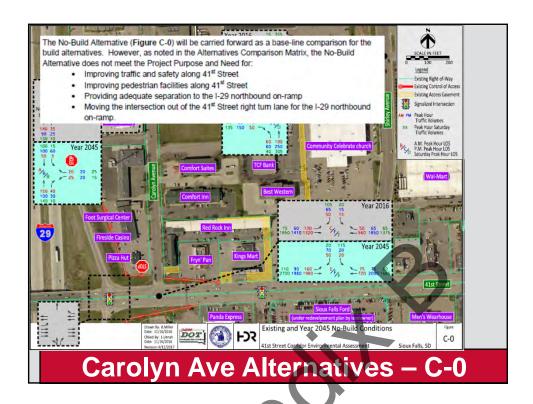
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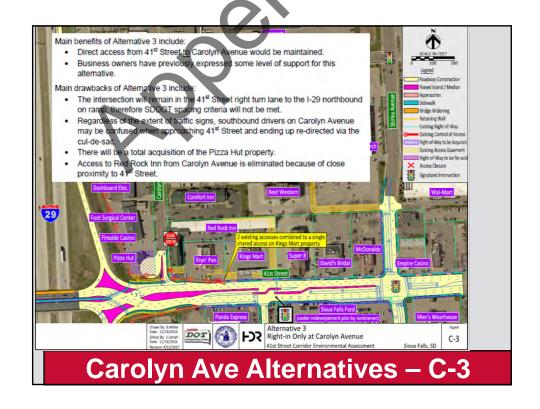


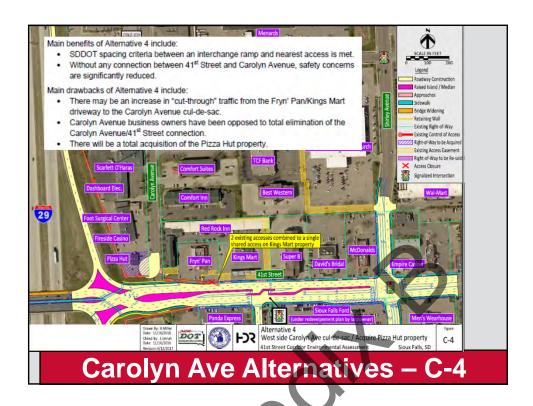






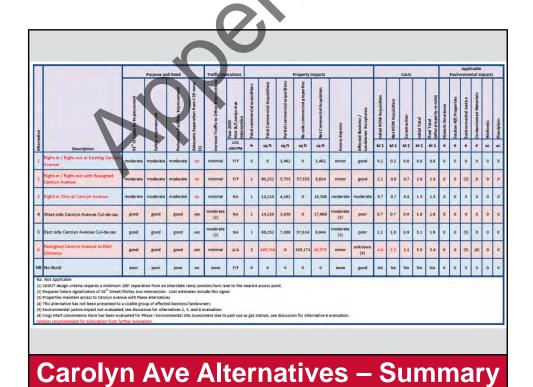


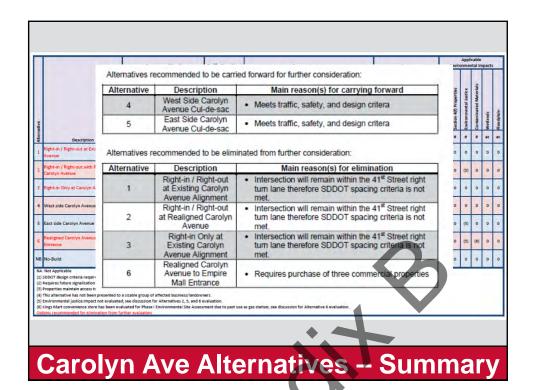












PUBLIC MEETING May 10th, 2017 Sioux Falls Convention Center 5:30 pm to 7:00 pm

NEXT STEPS

- Fill out Comment Card
- Compile, Revise, and Address Comments
- Finalize Environmental Study with selected Alternative
- Begin Next Phase of Project
 - Preliminary Design
 - ROW Acquisitions
- Construction Scheduled to begin 2023

STUDY INFORMATION 41ST STREET PROJECT SDDOT Project Manager Steve Gramm, PE Project Development, Data Analysis Engineer Study Website Steve.gramm@state.sd.us www.41ststudy.com Phone: 605-773-6641 29 Interchange Madification 2 6 Environmental Study for 1-29 Ealt 77 (4thd Street) City of Sioux Falls Project Manager Shannon Ausen, PE **Traffic Engineering Division** sausen@siouxfalls.org Phone: 605-367-8607 **CONSULTANT Team Project Manager** James Unruh, PE HDR Engineering, Sioux Falls Welcome to the I-29 Exit 77 (41st Street) In Environmental Study Project James.Unruh@hdrinc.com Phone: 605-977-7740 DOT FOR

I-29 Exit 77 (41st Street) Environmental Study

Carolyn Avenue Landowner Meeting

April 25th, 2017 Kuehn Community Center

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Shannon Ausen	CSF SON Public Works Ens	34 W 945 St 5F SD 57104	767-8607
2	Darin Johnson	SDDOT - SF Road Design	5316 W. 60th St. N Sioux Falls, SD 57107	367-5680
3	She WANG	King's Mart	4950 E 415+ S.F. 50 57106	362-6668
4	BobFischer	Figh Par	3219 S Colyn Ale	3664120
5	James Unrul	HUR	6300 5,012 Village Pl. 5,F,5D 57108	977-7740
6	Jesu Kjenstad	HAR	14	"
7	Kim Blackburn	FrynPay		
8	Dave Stuker	Frxn' Pan	3215 S Carolyndue, SF, SD 57104	605 660-2509
9	FEKEL			
10	CHARLESGUSTALSON	FIZZA HC+	70 E RIDGERDS7105	332-1000

1-29 Exit 77 (41st Street) Environmental Study

Carolyn Avenue Landowner Meeting

April 25th, 2017 Kuehn Community Center

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Katie Seitz	My Place Hotel	3005 8. Carolyn Ave	605-271-9988 507-215-459464
2	Jason Kjenstad	HDR		605-977-7755
3	Prok Weissel STAN MITZEZ	Firm Pan		
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Project:	I-29 Exit 77 (41 st Street) Interchange and Environmental Study		
Subject:	41st Street West of I-29 Alternatives – Pe	erkins Representatives Meeting	
Date:	Tuesday, May 09, 2017		
Location:	HDR Conference Room		
Attendees:	Bob Miller (Perkins) Gary Kuhn (Perkins) Mark Meierhenry (Perkins legal representative)	Shannon Ausen (City) Travis Dressen (SDDOT) Jason Kjenstad, James Unruh (HDR) (see Attachment 2 for sign-in sheet)	

1. Previous landowner meetings

- 1.1 Miller and Kuhn attended the 9/28/16 landowner group meeting.
- 1.2 Perkins did not have a representative at the 4/24/17 landowner group meeting because of a conflict.

2. Landowner meeting slides

- 2.1 Jason K. reviewed key slides from recent landowner meetings highlighting:
 - Project Purpose and Need
 - Interchange alternatives
 - 41st Street east of I-29 alternatives
- 3. 41st Street west of I-29 alternatives (see 5/10/17 Public Meeting display items)
 - 3.1 All alternatives propose 3 through lanes in each direction from Marion Road to I-29 to accommodate 41st Street traffic.
 - 3.2 A raised median on 41st Street is proposed for most of the alternatives to reduce accidents. Improving safety is a main purpose and need for the project.
 - 3.3 Nearly all of the 41st Street widening is on the south side because of the existing houses and apartment buildings on the north side of 41st Street. The existing Perkins building and parking lot will not be impacted by 41st Street widening for any of the alternatives.
 - 3.4 Perkins has made several requests (and continues to request) that the 41st Street traffic signal at Terry Avenue be moved to Gateway Boulevard. The City has formally reviewed their requests and does not intend to move the traffic signal because:
 - Terry Avenue is a collector street with higher traffic volumes than Gateway Boulevard.
 - Gateway Boulevard carries only local traffic because it connects back to Terry Avenue just south of 41st Street.
 - Terry Avenue is approximately half way between the 41st Street signals at Marion Road and the I-29 southbound ramps. This spacing provides for good traffic progression.
 - Gateway Boulevard is too close to the I-29 southbound ramps to allow for optimal 41st Street traffic progression through the signals.
 - 3.5 Perkins considers Alternative A to be unacceptable because the raised median blocks all left-turning traffic at Gateway Boulevard. Their perception is that this access restriction would result in a substantial loss of business.

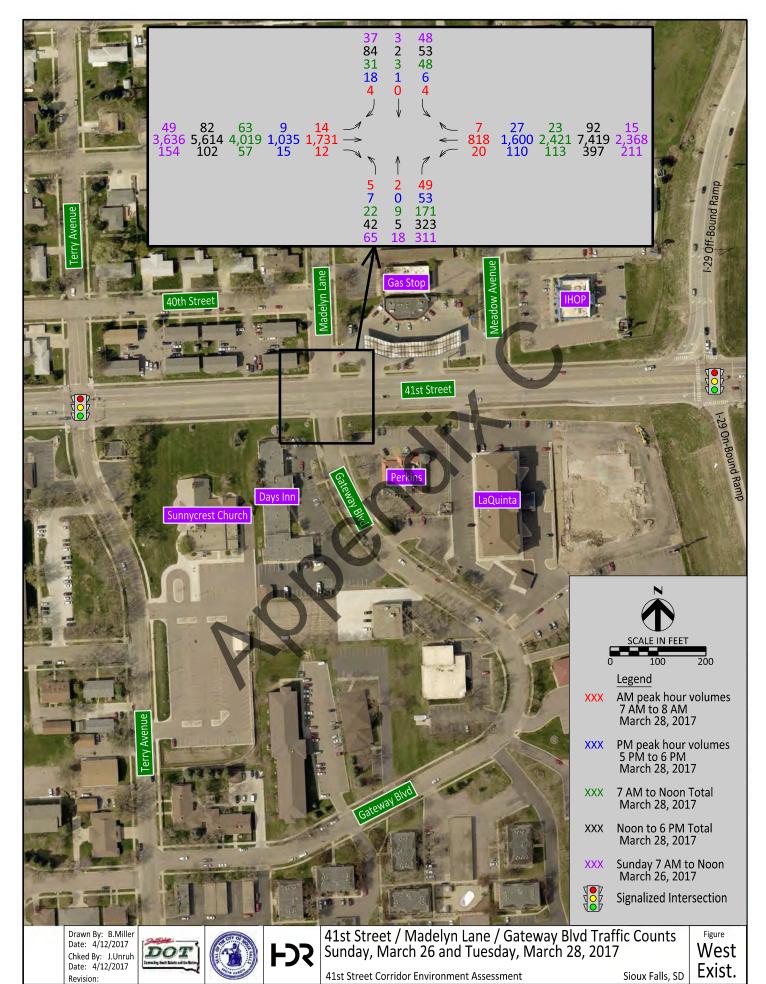


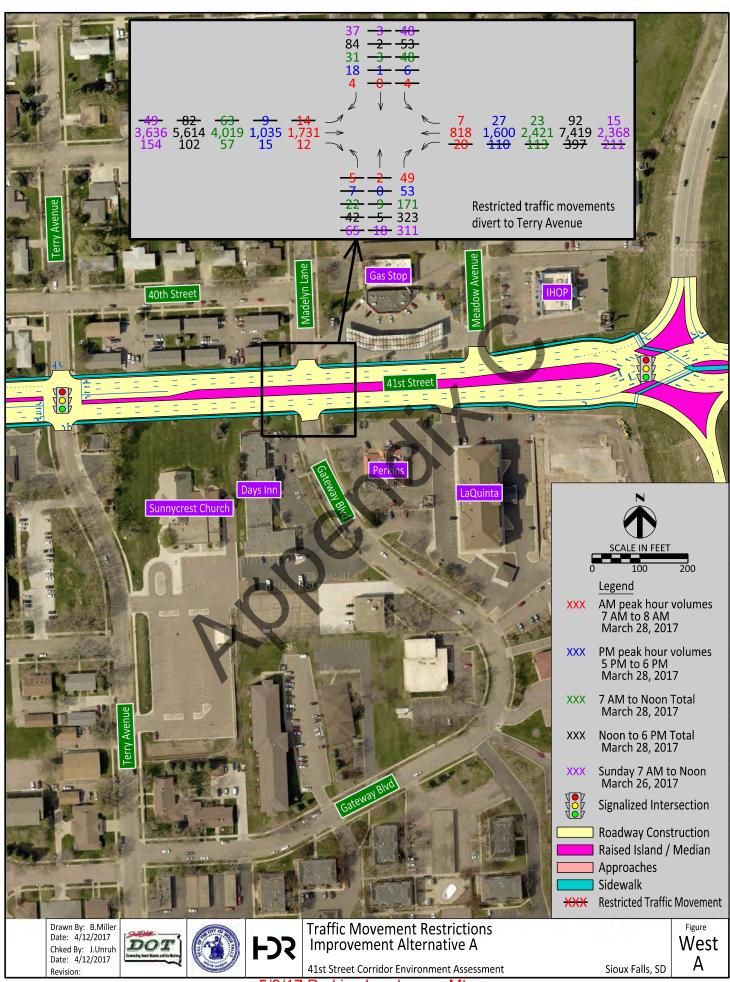
4. Traffic counts at 41st Street/Madelyn Lane/Gateway Boulevard intersection (see Attachment 1)

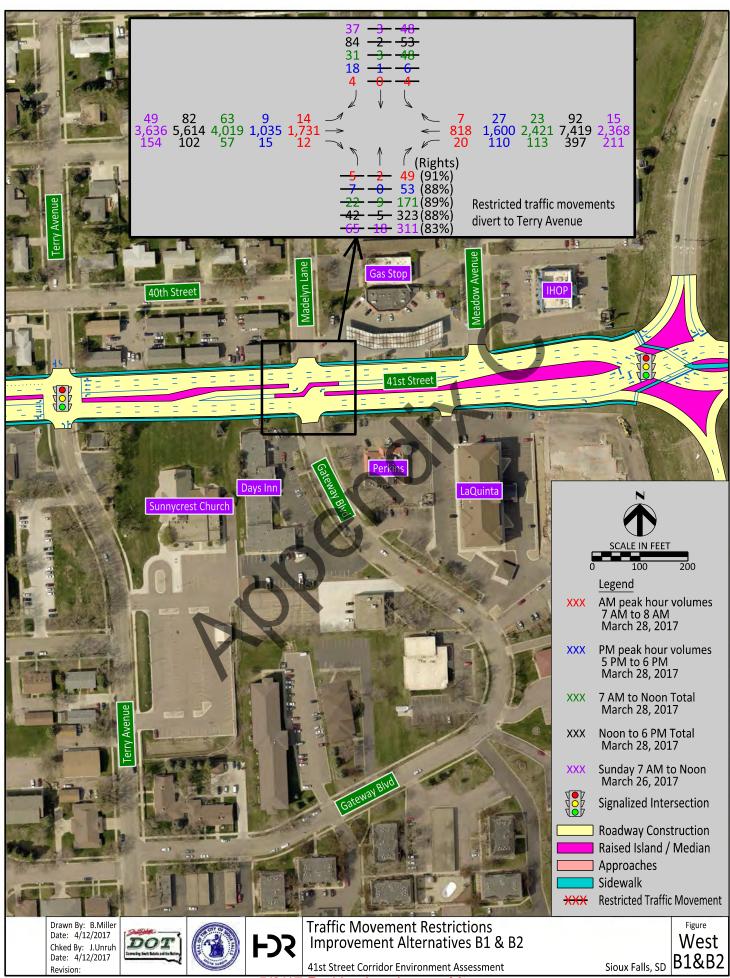
- 4.1 Traffic counts from March 2017 were reviewed, especially in the context of Alternative B1 which provides a 3/4 access raised median configuration at the 41st Street/ Gateway Boulevard intersection.
- 4.2 It was noted there is now a relatively large percentage of traffic (83% to 91%) that turns right from Gateway Boulevard to eastbound 41st Street during all traffic count periods in comparison to traffic turning left to westbound 41st Street. This is shown in Figure West B1&B2 in Attachment 2. This indicates that much of the westbound traffic diverts to the signalized 41st Street/Terry Avenue intersection to make the left-turn movement.
- 4.3 The traffic counts showed a relatively high number of vehicles turning left from westbound 41st Street to Gateway Boulevard. With Alternative B1, this left-turn movement is still allowed.
- 4.4 Miller noted that the traffic counts helped him better understand the traffic patterns at the 41st Street/Gateway Boulevard intersection.
- 4.5 Miller was concerned that drivers would be unfamiliar with the 3/4 access raised median configuration and therefore would avoid making the left turn from westbound 41st Street to Gateway Boulevard. Miller was encouraged to look at several existing 3/4 access raised median configurations along 69th Street east of Southeastern Avenue. Another 3/4 access configuration has been installed along 26th Street just east of Marion Road to address accident problems.
- 4.6 Miller concurred that Alternative B1 and the traffic count analysis reduced his concerns about the raised median on 41st Street although his preference would still be Alternative C which does not have a raised median on 41st Street.
- 4.7 Printed versions of the traffic count graphics were provided to all three of the Perkins representatives.

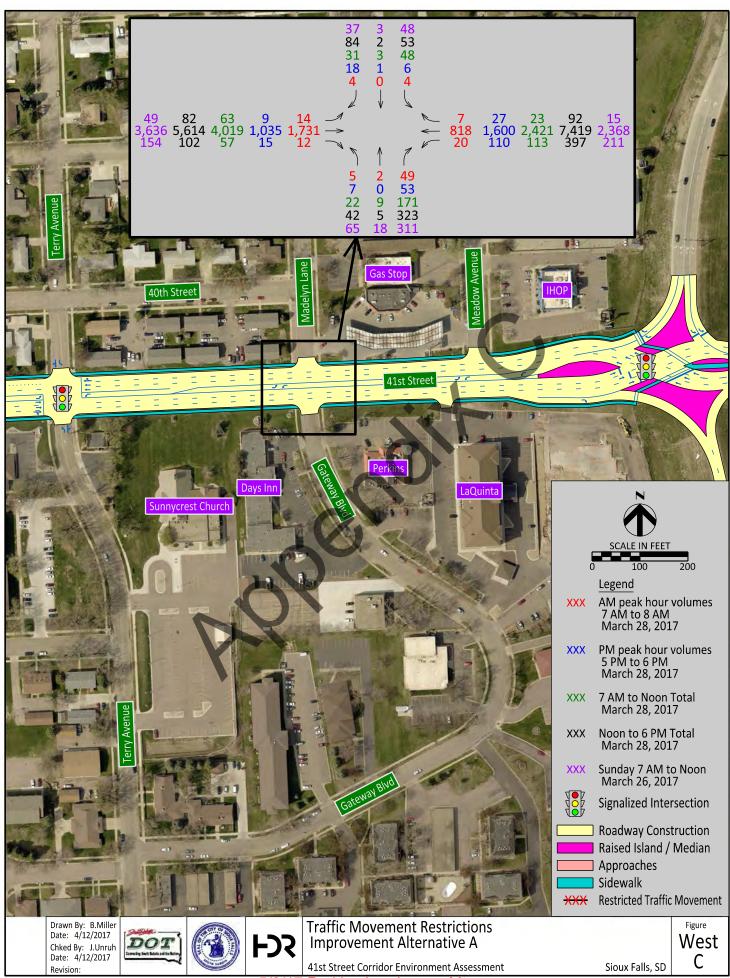
- 4.1 HDR will continue to recommend that Alternative B1 be carried forward into the final design and right-of-way acquisition phase of the project.
- 4.2 41st Street improvements are scheduled to begin in 2023.











I-29 Exit 77 (41st Street) IMJR & EA

1-29 to Marion Road Landowner Meeting

May 9th, 2017 – Perkins Meeting HDR Conference Room

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Jason Kjenstad	HOR	6300 S. Oth Village Place. Swite 100 GF SD S768	605-977-7785
2	James Unruh	HDR .		605-977-7766
3	Shannon Ausen	CSF	204 W. 975 ST Sioux Falls SD	367-8607
4	Meier hours	ATT-Perlais	3455. Phillips Ave	336-3075
5	Lare Luch	Per Kins	t e	351-9859
6	Bell miller	Respons	1917 5. austin Dr 571	
7	Travis Dresser	SDDOT-SF Area	5316 W. 60th St. North	367-5680
8				
9				
10				

Project:	I-29 Exit 77 (41st Street) Interchange and	Environmental Study
Subject:	41 st Street West of I-29 Alternatives – Ga	as Stop/Holiday Meeting
Date:	Wednesday, May 10, 2017	
Location:	HDR Conference Room	
Attendees:	Tom Howes (Gas Stop/Holiday) Doug Charlson (Gas Stop/Holiday)	Jason Kjenstad, James Unruh (HDR) (see Attachment 2 for sign-in sheet)

1. Previous landowner meetings

- 1.1 Tom had not attended the 9/28/16 and 4/24/17 landowner group meetings.
- 1.2 Tom had submitted comments about the project during the 2012 Corridor Study.

2. Landowner meeting slides

- 2.1 Jason K. reviewed key slides from recent landowner meetings highlighting:
 - Project Purpose and Need
 - Interchange alternatives
 - 41st Street east of I-29 alternatives
 - Carolyn Avenue alternatives

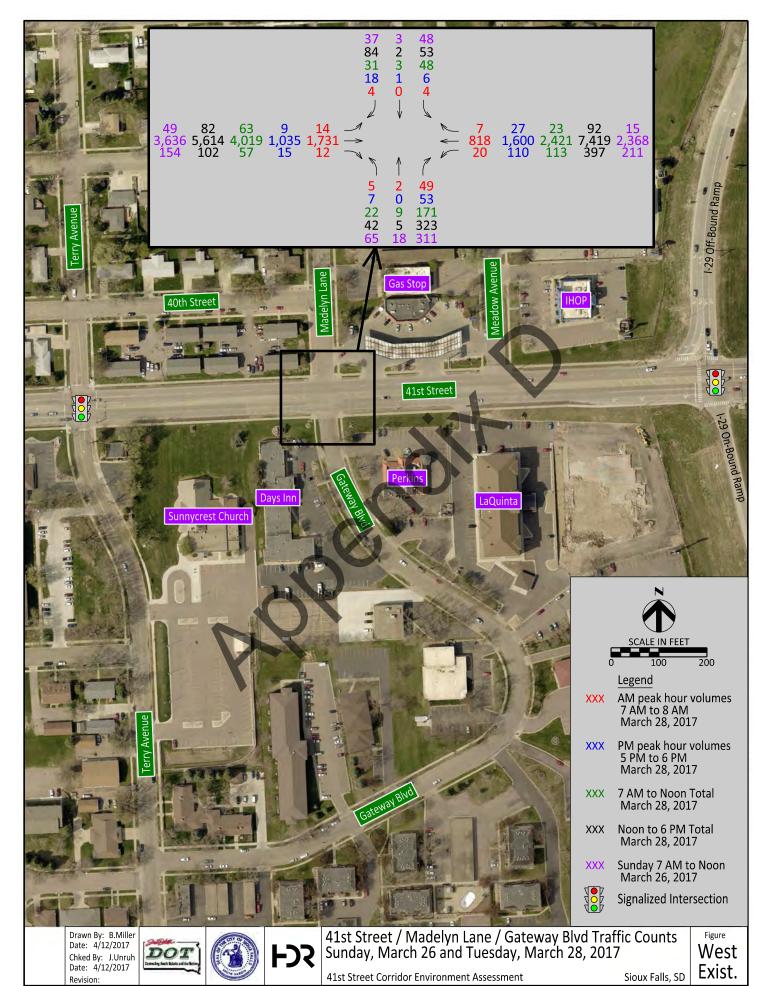
3. 41st Street west of I-29 alternatives (see 5/10/17 Public Meeting display items)

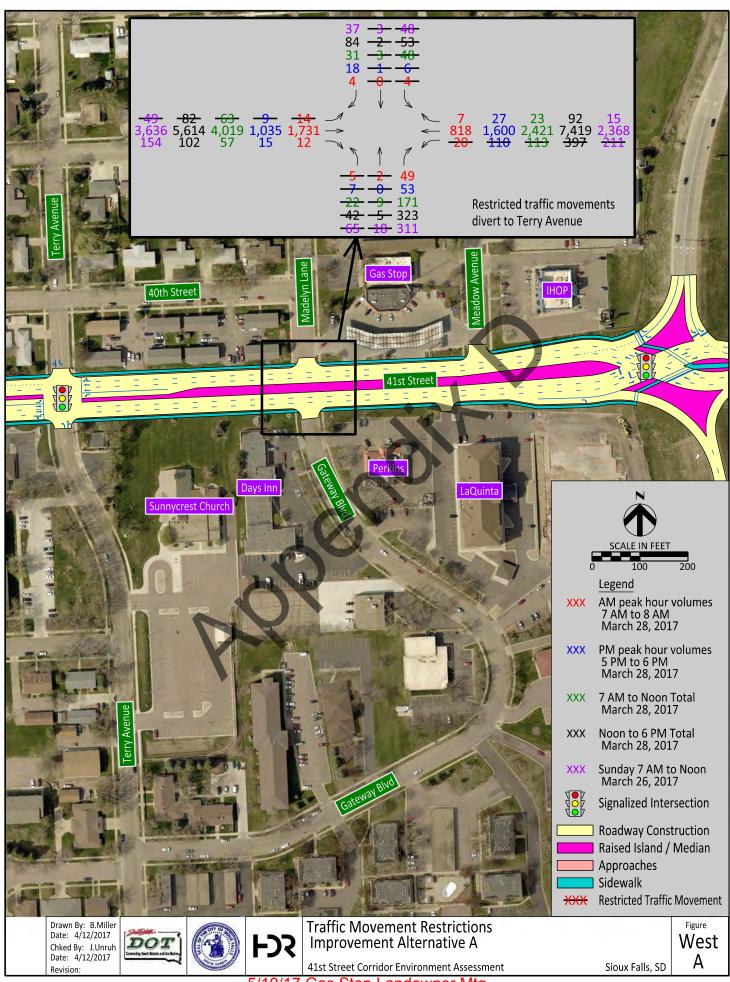
- 3.1 All alternatives propose 3 through lanes in each direction from Marion Road to I-29 to accommodate 41st Street traffic.
- 3.2 A raised median on 41st Street is proposed for most of the alternatives to reduce accidents. Improving safety is a main purpose and need for the project.
- Nearly all of the 41st Street widening is on the south side because of the existing houses and apartment buildings on the north side of 41st Street. Therefore, little of the Gas Stop property will need to be acquired for sidewalk or roadway widening.
- 3.4 Gas Stop now has 2 driveways to 41st Street. All alternatives show elimination of those 41st Street driveways since the Gas Stop also has driveways to Madelyn Lane and Meadow Avenue. The final determination for the 41st Street driveways will occur when the project moves into the right-of-way/easement acquisition phase.
- 3.5 Concurrence with the raised median on 41st Street is critical at this phase of the project. Tom noted that his resistance to raised medians has diminished as they have been installed on roadways at several of his other properties.
- 3.6 With recommended Alternative B1, Tom's concerns with access to/from 41st Street are generally alleviated.

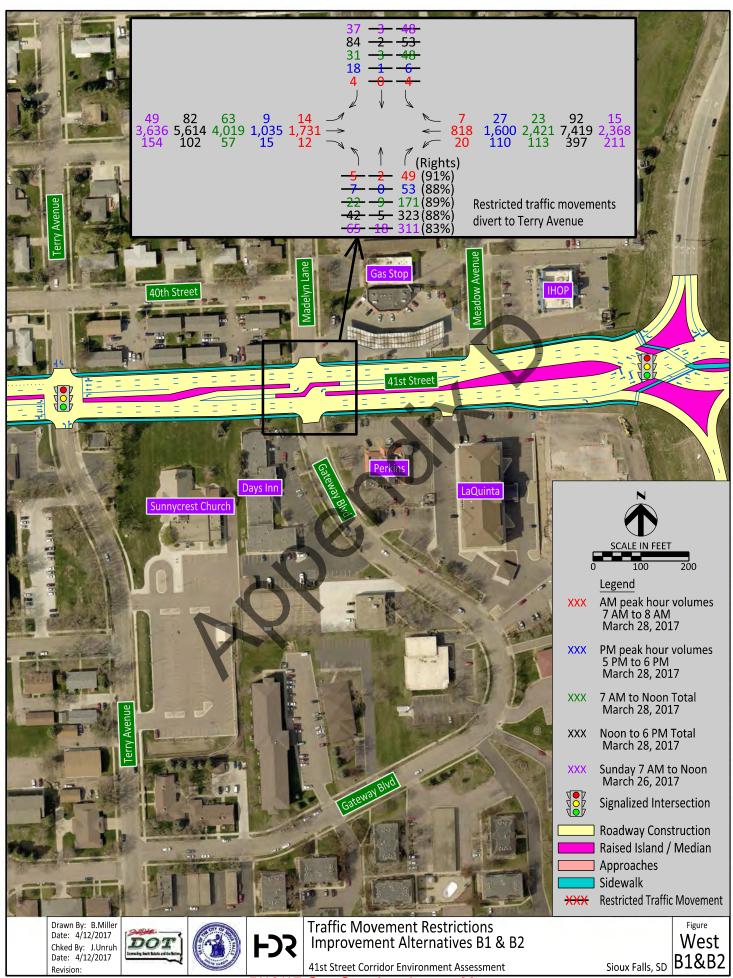
4. Traffic counts at 41st Street/Madelyn Lane/Gateway Boulevard intersection (see Attachment 1)

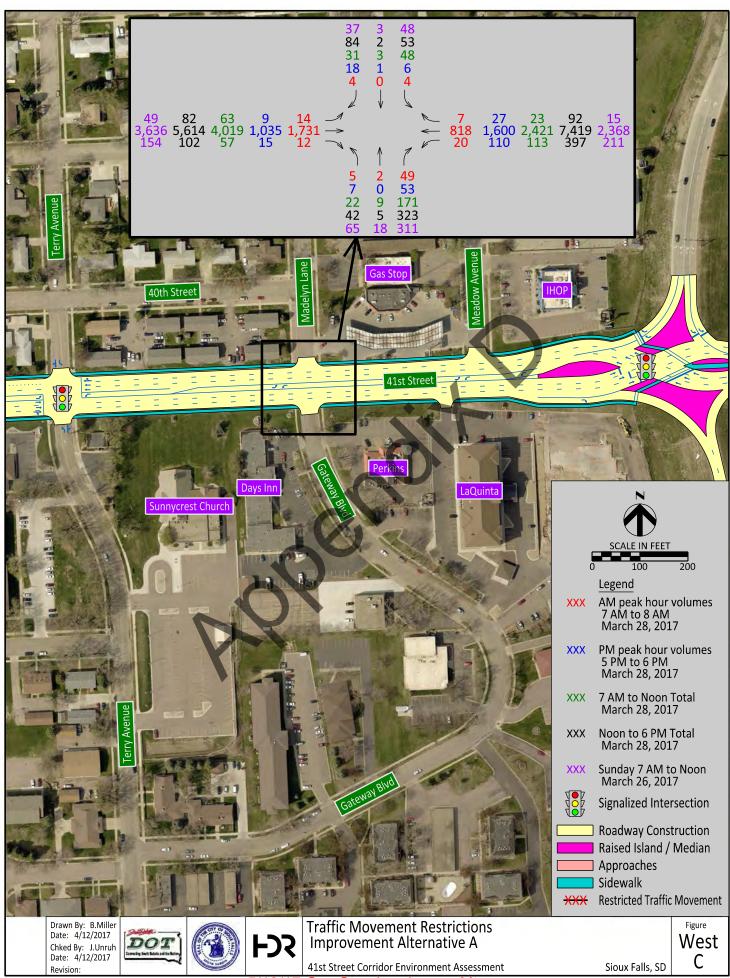
- 4.1 Traffic counts from March 2017 were reviewed.
- 4.2 It was noted there is now a relatively large volume of traffic turning left from Madelyn Lane onto 41st Street. With Alternative B1, most of this traffic will re-route to Terry Avenue.

- 5.1 HDR will continue to recommend that Alternative B1 be carried forward into the final design and right-of-way acquisition phase of the project.
- 5.2 41st Street improvements are scheduled to begin in 2023.









1-29 Exit 77 (41st Street) Environmental Study

1-29 to Marion Road Landowner Meeting with Tom Howe

May 10th, 2017 HDR Conference Room

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	James Unruh	HDR	6300 D. Old Village Pe 5FSD 57108	977-7766
2	Jason Kjenstad	HDR	6 700 S. old Village P1 SF SD S7108	977-7755
3	Jason Kjenstad Tom S. Hoos Dong Charlson	I-sc	P.1. Box 1.075 SF, SD	376-0133
4	Dong Charlson	I-90		
5				
6				
7				
8				
9				
0				



Project: I-29 Exit 77 (41st Street) Interchange and Environmental Study			
Subject:	41st Street West of I-29 Alternatives – Meeting with 3 landowners		
Date:	Thursday, May 18, 2017		
Location:	HDR Conference Room		
Attendees:	Lawrence Piersol (Black Diamond Casino property) Dieter Proehl (Godfathers Pizza property) Greg Heine (Mount Marty College)	Travis Dressen (SDDOT) Shannon Ausen (City of Sioux Falls) Jason Kjenstad, James Unruh (HDR) (see Attachment 2 for sign-in sheet)	

1. Previous landowner meetings

- 1.1 Only Heine had attended the 9/28/16 and 4/24/17 landowner group meetings.
- 1.2 Proehl purchased the Godfather's Pizza property in November 2016.

2. Project overview

- 2.1 All alternatives propose 3 through lanes in each direction from Marion Road to I-29 to accommodate 41st Street traffic.
- 2.2 The 41st Street/Marion Road intersection will be expanded with dual left turn lanes at all approaches to accommodate turning traffic so the intersection will operate at an acceptable level of service.
- 2.3 A raised median on 41st Street is proposed for most of the alternatives to reduce accidents. Improving safety is a main purpose and need for the project.
- 2.4 It was noted that all of the alternatives result in widening of 41st Street which will infringe on setback requirements. Since the infringements are the result of roadway widening, existing development is not required to meet the setback requirements. If the properties are re-developed, setback requirements would have to be met.
- 2.5 Existing property signs will also be impacted by 41st Street widening. Relocation of signs will be part of the final design and right-of-way acquisition phase of the project.

3. 41st Street west of I-29 alternatives (see 5/10/17 Public Meeting display items)

- 3.1 Alternatives A and B1 have a raised median on 41st Street from Marion Road to Terry Avenue.
- 3.2 Alternative C has a center two-way left turn lane.
- 3.3 Alternative B2 was developed at the request of Mount Marty College at the 9/28/16 landowner meeting. The 3/4 access configuration between Marion Road and Terry Avenue is intended to provide improved access from westbound 41st Street to a joint Godfather's Pizza/Mount Marty College driveway.
- 3.4 At the 4/24/17 landowner meeting, HDR had recommended eliminating Alternative B2 from further consideration due to the impacts to the Godfather's Pizza drive-through and parking impacts to Mount Marty College, Godfather's Pizza, and the Black Diamond Casino development.
- 3.5 As follow-up to the 4/24/17 meeting, Heine requested a more in-depth analysis of the impacts. Therefore, HDR had developed several graphics that provided more detail on the Alternative B2 impacts.

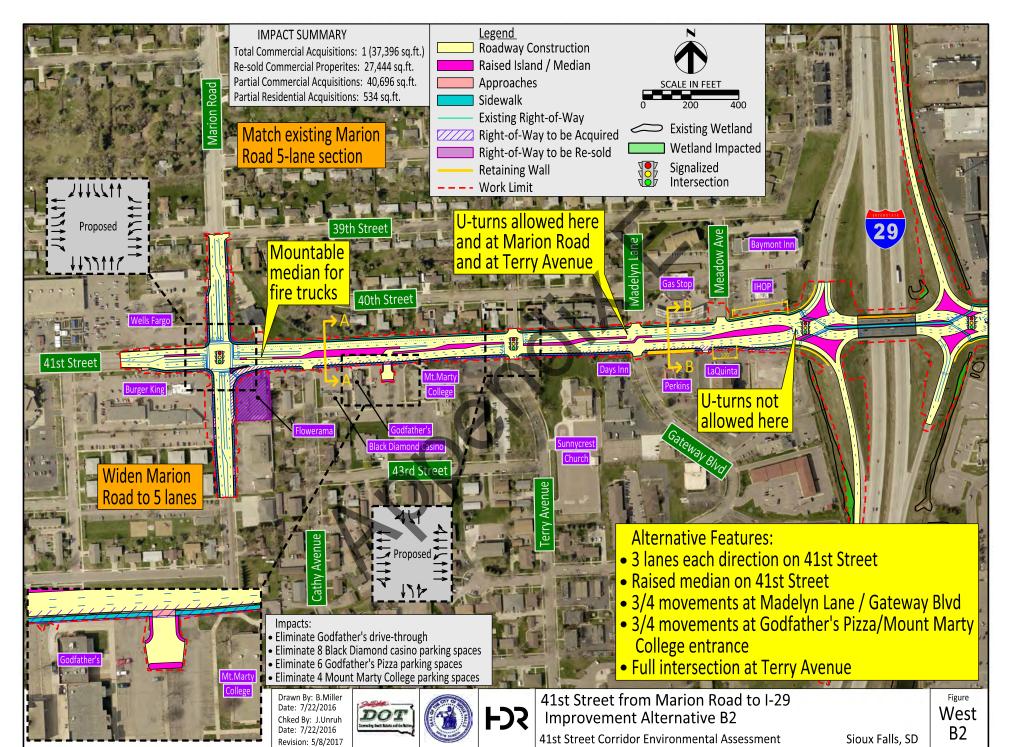


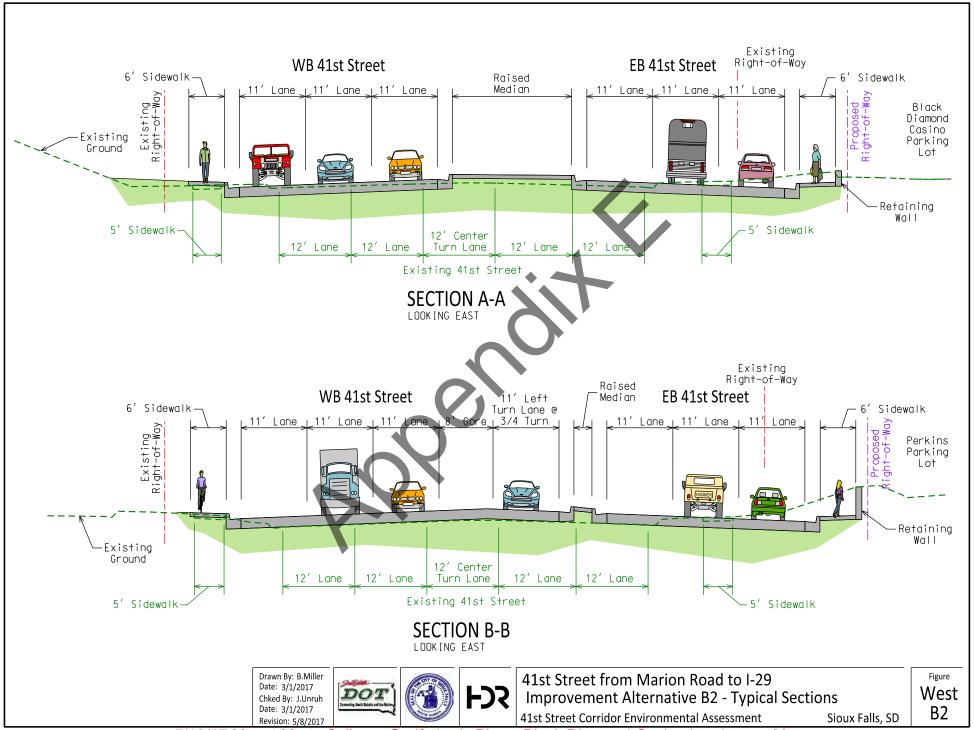
4. Alternative B2 considerations (see Attachment 1 for Alternative B2)

- 4.1 Proehl concurred that Alternative B2 would reduce the width of the Godfather's drive-through. He noted that the existing drive-through lane is very narrow now and any further width reduction would basically eliminate the lane; this would be a major negative impact to the business.
- 4.2 Loss of parking spaces at the Black Diamond Casino site would not be desirable.
- 4.3 Proehl noted that drivers have adapted to the median on west 12th Street and that the median seemed to improve traffic flow and reduce accidents. He did not see a major negative impact to his business along 41st Street due to the proposed raised median.
- 4.4 Piersol noted his experience in Florida with high volume roadways with raised medians. He generally concurred with the benefit of the raised median on 41st Street and did not consider that the raised median would have a major negative impact on access to his property, especially with a u-turn movement allowed at Marion Road.
- 4.5 The south sidewalk for Alternative B2 would be right next to the existing Mount Marty College sidewalk.
- 4.6 The main entrance to the Mount Marty College parking lot is from 43rd Street.

- 5.1 HDR will continue to recommend that Alternative B2 be eliminated from consideration for 41st Street improvements.
- 5.2 HDR will continue to recommend that Alternative B1 be carried forward into the final design and right-of-way acquisition phase of the project.
- 5.3 Final design and right-of-way acquisition will begin in 2018 or 2019.
- 5.4 41st Street improvements are scheduled to begin in 2023.







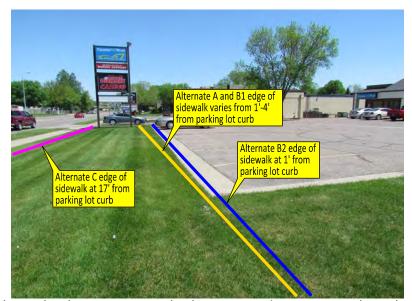


Photo looking east at Black Diamond Casino parking lot

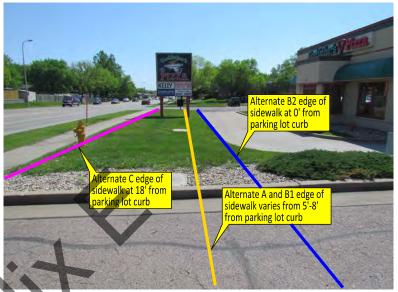


Photo looking east at Godfather's Pizza drive through

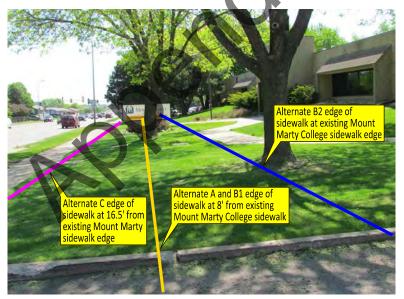


Photo looking east at Mount Marty College sidewalk

Drawn By: B.Miller Date: 3/1/2017 Chked By: J.Unruh Date: 3/1/2017 Revision: 5/8/2017







Impact Photos at Mount Marty College, Godfather's Pizza and Black Diamond Casino 41st Street Corridor Environmental Assessment

Sioux Falls, SD

West Photos

I-29 Exit 77 (41st Street) Environmental Study

1-29 to Marion Road Landowner Meeting with Mount Marty College, Godfather's Pizza, Black Diamond Casino representatives

May 18, 2017 HDR Conference Room

#	Name	Property/Business Name and Location	Mailing Address	Phone #
1	Jason Kjenstad	HDR	6300 5 010 Village Pl Suite 100 SF SD 57108	605-977-7755
2	James Unruh			605-977-7766
3	Shannon Ausen	CSF PWENS	224 W. STD ST Sinex Falls SD	605-376- 8607
4	Ticter W. Procket	Godfathers	Box 902 Sioux Falls, 5.D.	605-366
5	Greg Heine	Mant Marty College	1105 w. 8th St Yesten SD 57078	ECK-1807
6	Lauvence L. Piersol	Black Diamond Calino Beauty Supply	400 South Phillips Avenue Sioux Falls, SID 57104	605.351.0412ce11
7	Travis Dresson	SDDOT- SF Area		
8			D.W. PROEHL CONSTRUCTION, INC. Box 902 · 706 N. Helen, Sioux Falls, S	SD 57101-0902
9			DIETER W. PROEHL Bus. 605/334-3420 • Cell 605/36 Res. 605/334-2492 • Fax 605/33	



Project:	I-29 Exit 77 (41st Street) Interchang	e and Environmental Study
Subject:	41 st Street and Carolyn Avenue Alte	ernatives – Red Rock Inn Meeting
Date:	Tuesday, May 30, 2017	
Location:	HDR Conference Room	
Attendees:	Rikesh Patel – Red Rock Inn	Jason Kjenstad, James Unruh (HDR) (see Attachment 1 for sign-in sheet)

1. Recent landowner and public meetings

1.1 Rikesh requested the meeting because he was unable to attend the recent landowner and public meetings.

2. Landowner meeting slides

- 2.1 Jason K. reviewed key slides from recent landowner and public meetings highlighting:
 - Project Purpose and Need It was noted that Rikesh has mentioned at other meetings the need to address the accident problems along 41st Street.
 - Interchange alternatives
 - 41st Street east of I-29 alternatives
 - Carolyn Avenue alternatives

3. Carolyn Avenue alternatives

- 3.1 Rikesh preferred that the project move forward with Alternative 4 (west-side cul-de-sac).
- 3.2 Rikesh intends to keep his property and business but would consider selling his property for an adequate price. Based on his research, the value of his property is in the \$30 per square foot range as we have been using in our alternatives comparison matrices. Relocation of his business would also have to be provided.
- 3.3 His site and building have been subject to flooding because its elevation is similar to the Pizza Hut property. The August 28, 2015 rainfall event resulted in damage to his property.
- 3.4 The access easements shown on the concept alternatives layouts would need to be maintained to ensure access to the Red Rock Inn building and parking spaces.

- 4.1 HDR will complete the documentation on recent landowner and public involvement/ meetings.
- 4.2 HDR will likely recommend that Carolyn Avenue Alternative 5 (east-side cul-de-sac) <u>not</u> be implemented due to the higher property acquisition costs that Alternative 4.
- 4.3 Final environmental documentation and approvals are anticipated by August 2017.
- 4.4 Construction is scheduled to begin in 2023 but may be accelerated to year 2022 if funding is available.







SIGN IN SHEET

Subject:	I-29 Exit 77 (41st Street) Environmental Study Landowner Meeting	
Client:	South Dakota Department of Transportation / City of Sioux Falls	
Project:	[SDDOT Project PL0100 (84) and IM0293 (A6)77]	
Meeting Date:	May 30 th , 2017	Meeting HDR Conference Room Location:

Please print clearly. Thank you.

	NAME/REPRESENTING	ADDRESS	BEST CONTACT PHONE	E-MAIL
1	James Unruh	6300 D. O.	605-977-7766	james = nruhahdsinc.on
2	Riceshlatel	Redeve	6086700	RAMADA STIDY Egener Com. jason kjensted @ Adrise con
3	Jason Kjenstod	6300 S. OH U'llay PI SF SD 57108	605-977-7755	jason. lej ensted @ Adribe.com
4				
5				
6				
7		5/30/17 Red Rock Inn Land Attachment 1	owner ivitg	

1. Build Alternatives Evaluation Summary

Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward
4	West Side Carolyn Avenue Cul-de-sac	Meets traffic, safety, and design critera
5	East Side Carolyn Avenue Cul-de-sac	Meets traffic, safety, and design critera

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination											
1	Right-in / Right-out at Existing Carolyn Avenue Alignment	Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met.											
2	Right-in / Right-out at Realigned Carolyn Avenue	Intersection will remain within the 41 st Street right turn fane therefore SDDOT spacing criteria is not met.											
3	Right-in Only at Existing Carolyn Avenue Alignment	Intersection will remain within the 41 st Street right turn lane therefore SDDOT spacing criteria is not met.											
6	Realigned Carolyn Avenue to Empire Mall Entrance	Requires purchase of three commercial properties Potential environmental impact with contaminated materials at Kings Mart convenience store/gas station											

			Purpose ar	nd Need		Traffic Op	erations			- 1	roperty	Impacts					Costs	į		E		Applionmen			S
Description Right-in / Right-out at Existing Carolyn Avenue Right-in / Right-out with Realigned Carolyn Avenue Right-in Only at Carolyn Avenue West side Carolyn Avenue Cul-desac East side Carolyn Avenue Cul-desac Realigned Carolyn Avenue to Mall	St Capacity Improvement	Safety Improvement	trian Facilities Improvement	Late Separation from I-29 ramp	Increase Traffic to Other Intersections	Year 2045 41st St/Carolyn Ave Intersection	Total commercial acqueitions	Total Commercial Acquisitions	Partial commercial acqueitions	Re-sale commercial properties	Net Commercial Acquistion	Access impacts	Affected Business / Landowner Acceptance	Initial ROW Acquisition	Net ROW Acquisition	Construction	Initial Total	Final Total (after property re-sale)	Historic Structures	Section 4(f) Properties	Environmental Justice	Contaminated Materials	Wetlands	Floodplain	
Alten	Description	41 st St	Safety	Pedestrian	Adequate (1)	Increa	LOS AM/PM	##	sq ft	sq ft	sq ft	sqft	Acces	Affect	М\$	М\$	М\$	М\$	М\$	#	#	#	#	ac	ac
1		moderate	moderate	moderate	no.	m nimal	F/F	0	0	3,462	0	3,462	minor	good	0.2	0.2	0.6	0.8	0.8	0	0	0	0	0	0
2		moderate	moderate	moderate	no	minimal	F/F	1	60,252	5,755	57,353	8,654	minor	good	2.1	0.9	0.7	2.8	1.6	0	0	(5)	0	0	0
3	Right-in Only at Carolyn Avenue	moderate	moderate	moderate	no	minimal	NA	1	14,224	4,162	0	18,386	moderate	moderate	0.7	0.7	0.8	1.5	1.5	0	0	0	0	0	0
4	· ·	good	good	good	yes	moderate (2)	NA	1	14,224	3,436	0	17,660	moderate (3)	poor	0.7	0.7	0.9	1.6	1.6	0	0	0	0	0	0
5	East side Carolyn Avenue Cul-de-sac	good	good	good	yes	moderate (2)	NA	1	60,252	7,306	57,614	9,944	moderate (3)	poor	2.2	1.0	0.9	3.1	1.9	0	0	(5)	0	0	0
6	Realigned Carolyn Avenue to Mall Entrance	good	good	good	yes	minimal	A/A	3	145,744	0	103,171	42,573	minor	unknown (4)	4.4	2.3	1.1	5.5	3.4	0	0	(5)	(6)	0	0
NB	No-Build	poor	poor	poor	no	none	F/F	0	0	0	0	0	none	good	NA	NA	NA	NA	NA	0	0	0	0	0	0

- (1) SDDOT design criteria requires a minimum 100' separation from an interstate ramp junction/turn lane to the nearest access point.
- (2) Requires future signalization of 38th Street/Shirley Ave intersection. Cost estimates include this signal.
- (3) Properties maintain access to Carolyn Avenue with these alternatives.
- (4) This alternative has not been presented to a sizable group of affected business/landowners.
- (5) Environmental justice impact not evaluated; see discussion for Alternatives 2, 5, and 6 evaluation.
- (6) Kings Mart convenience store has been evaluated for Phase I Environmental Site Assessment due to past use as gas station; see discussion for Alternative 6 evaluation.

 Options recommended for elimination from further evaluation

Drawn By: B.Miller Date: 4/12/2017 Chked By: J.Unruh Date: 4/12/2017 Revision:

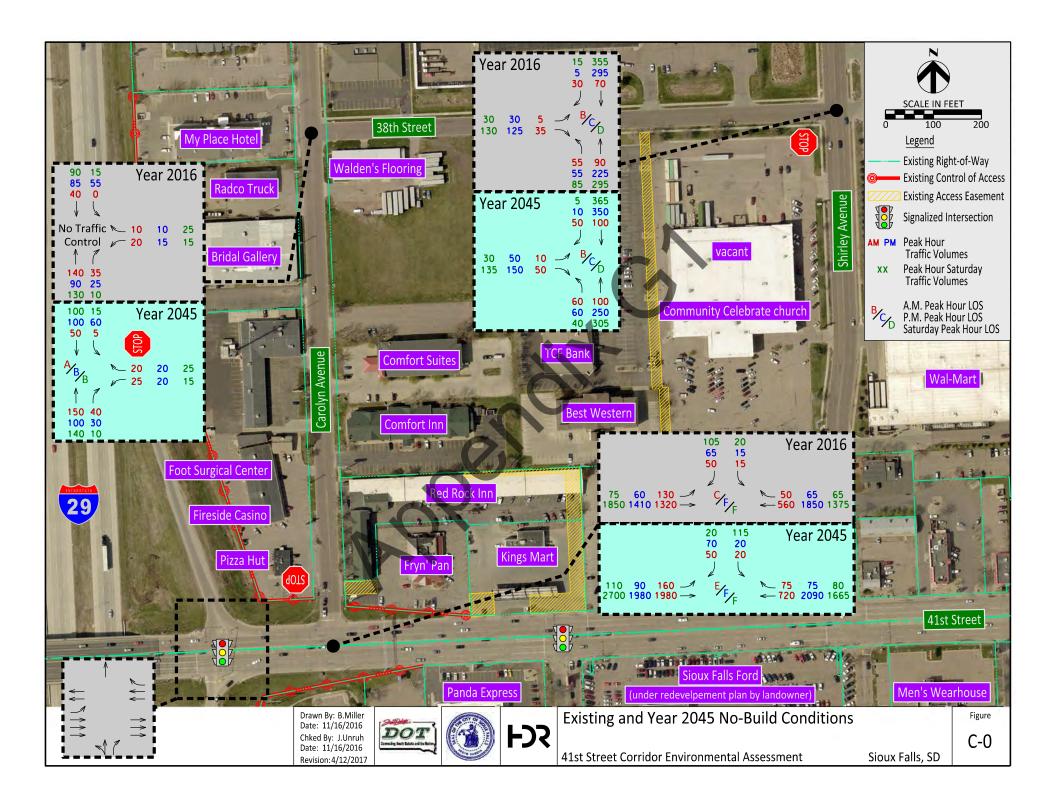


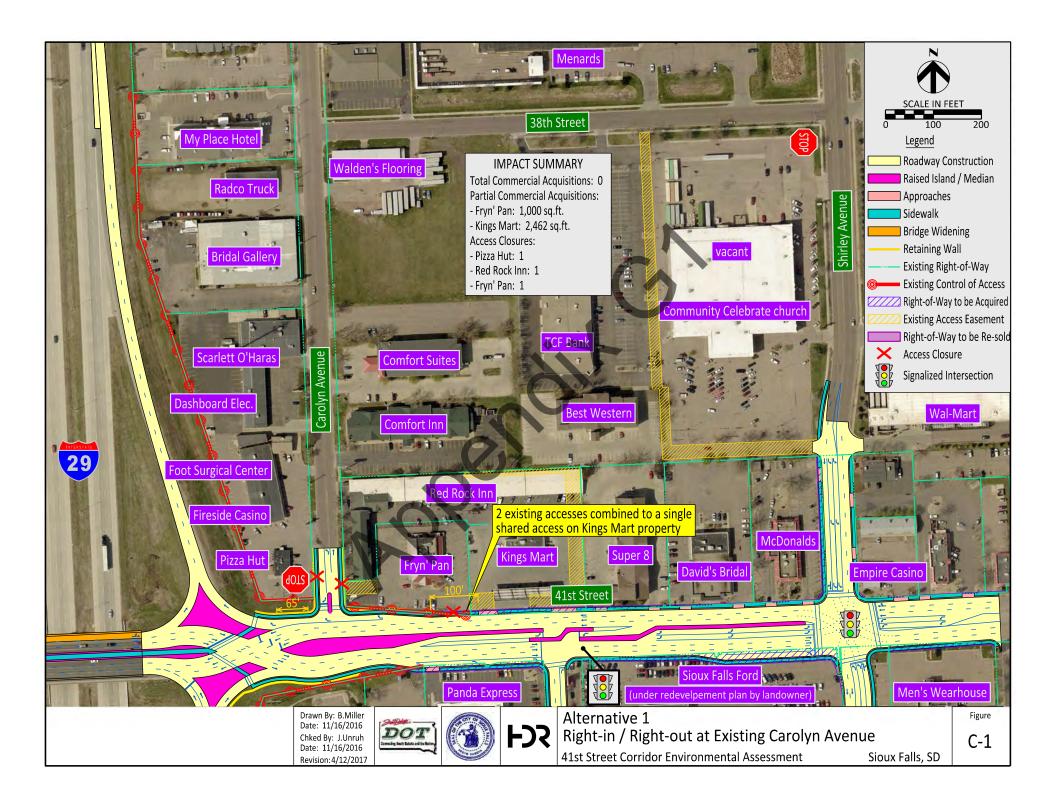


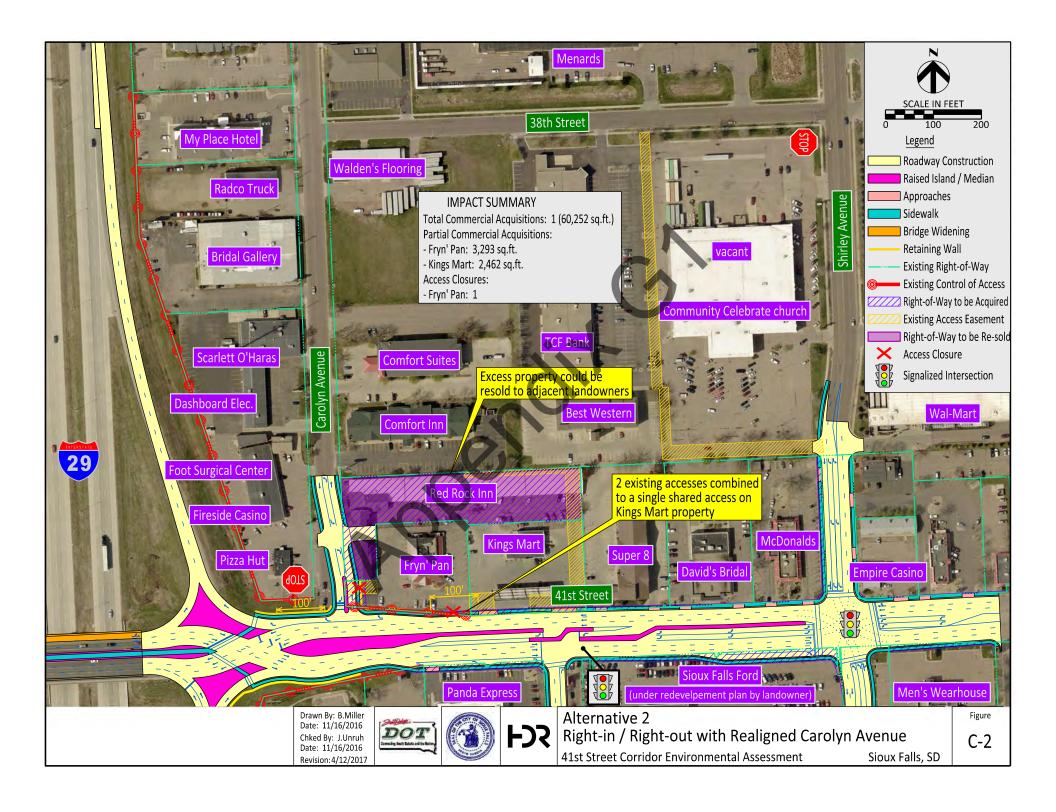


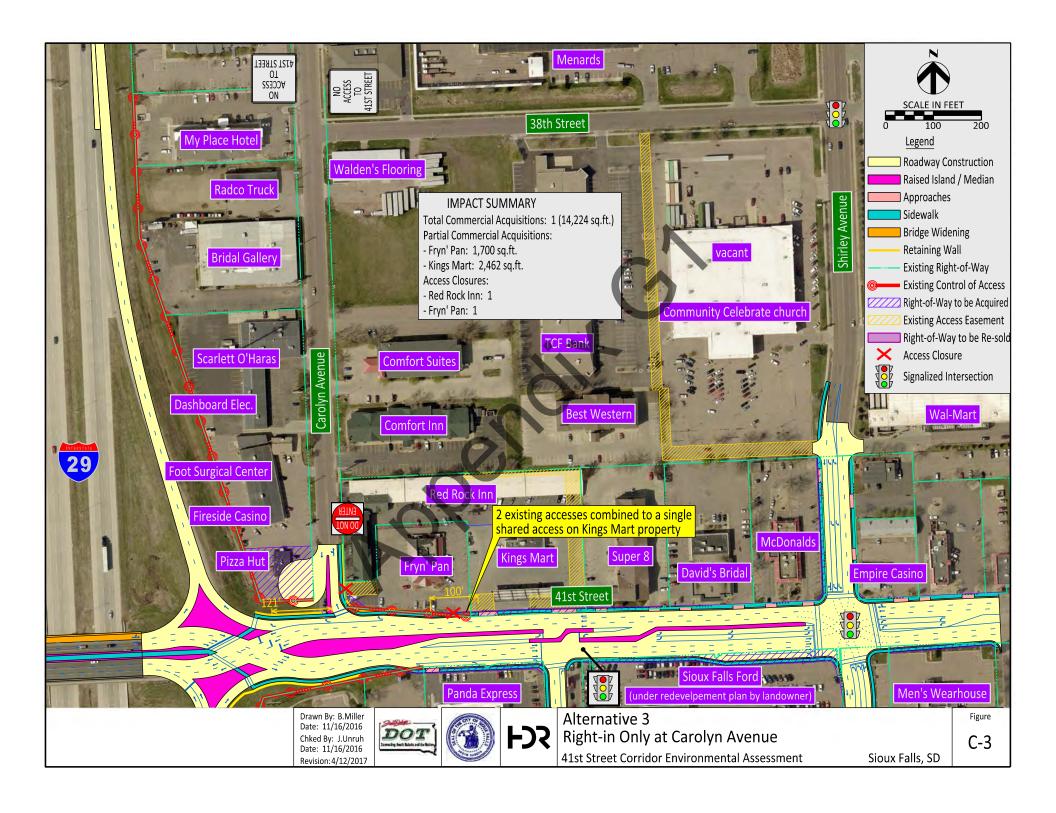
Carolyn Avenue Alternative Evaluation Summary and Comparison Matrix 41st Street Corridor Environmental Assessment Sioux Falls, SD

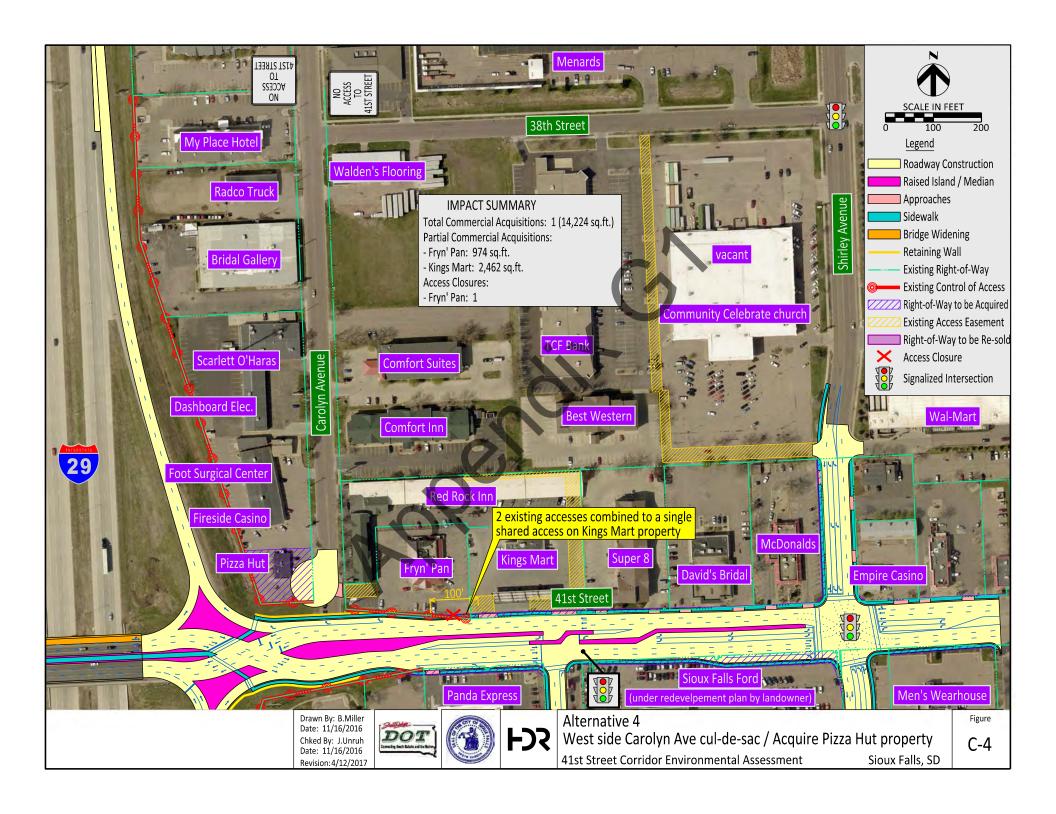
Figure

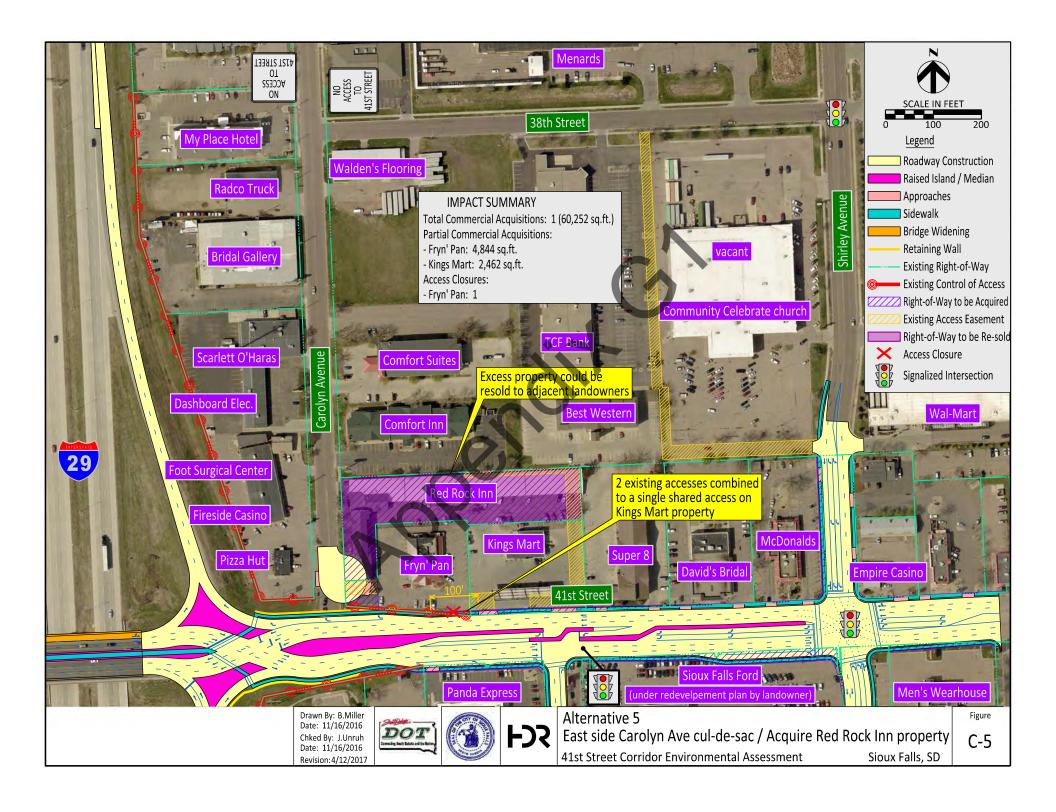


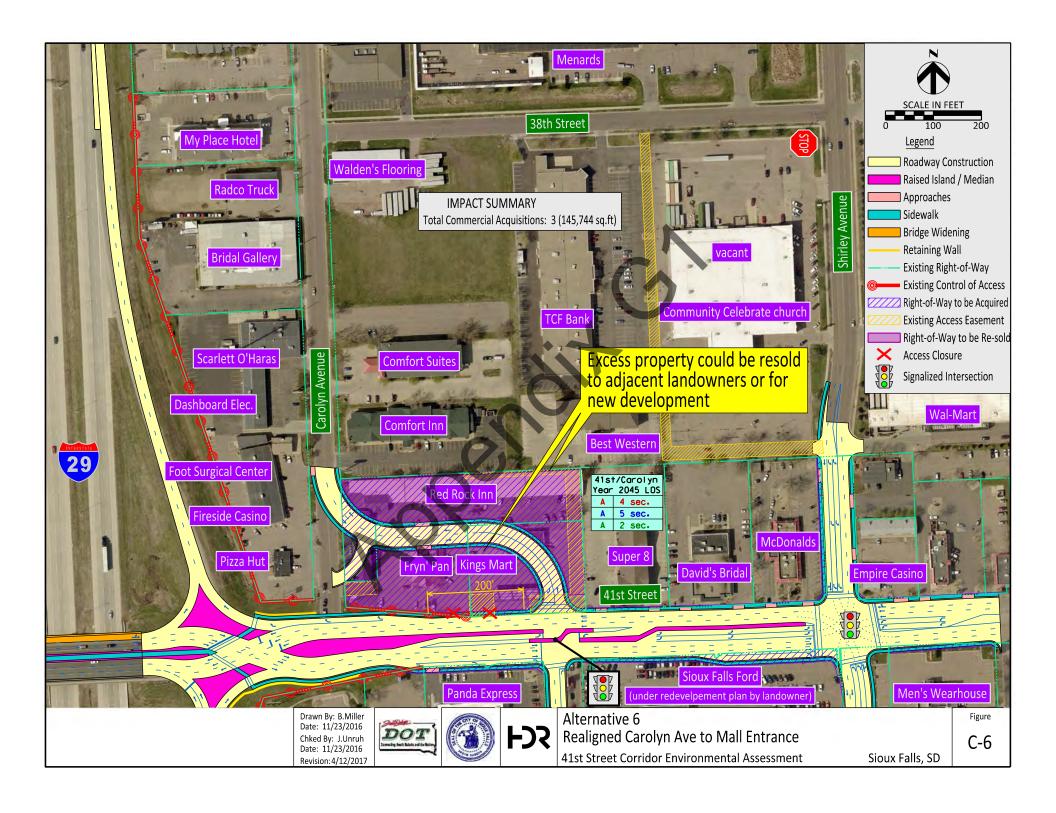












1. Build Alternatives Evaluation Summary

Alternatives recommended to be carried forward for further consideration:

Alternative	Main reason(s) for carrying forward								
Diverging Diamond Interchange	 Significantly lower construction cost than SPI (regardless of treatment of the existing bridge) Allows for better maintenance of traffic during construction than SPI Lower predictive crash rate than SPI 								

Alternatives recommended to be eliminated from further consideration:

Alternative	Main reason(s) for elimination	
Single Point Interchange	Significantly higher construction cost than DDI Difficulty in maintaining traffic during construction Higher predictive crash rate than DDI	

		Pur	rpose	and N	eed		Year 2	045 Tra	ffic Ope	rations		Si	afety	Driver/ Public Perception		uction	Comparative Costs (5)					Er	Applicable Env. Impacts	
	Meets SDDOT and City LOS Criteria	s Safety	Improves Pedestrian Facilities	Provides Adequate Separation to Nearest Access (1)		Nottnbound Kamp Intersection	outhbound Ramp Intersection		Ramps	Mainline Weaving	Predicted Annual Total Crashes Year of opening to 2045	Predicted Annual Fatality and Injury Crashes Year of opening to 2045	Driver Familiarity	ance of Traffic during tion	Allows for Phased Construction	ROW Acquisition	Bridge (6)	Retaining Wall	Roadway	Total	Wetlands	Floodplain		
Alternative		Meets SI	Improves Safety	Improve	Provides to Neare	Worst LOS AM/PM	Worst Delay AM/PM	LOS Delay	Worst Delay AM/PM	Worst LOS AM/PM	Worst LOS	#	#	Driver Fa	Maintenance Construction	Allows fo	м\$	м\$	М\$	#	#	acres	acre:	
Single Point	Interchange (SPI)	yes	yes	yes	yes	B/C (2)	20/24 (2)	(2)	(2)	C/C	C/B	41.2	16.4	good	poor	yes	(4)	7.8	4.1	9.3	21.2	0.39	0	
	Widen existing bridge																	1.0			10.7			
Diverging Diamond Interchange (DDI)	Widen and overlay existing bridge New bridge	yes	yes	yes	yes	C/C	26/23	c/c	26/25	C/C	C/B	32.9	11.5	(3)	good	yes	(4)	1.3	2.0	7.7	11.0	0.33	0	
(DDI)																		5.5			15.2			
lo-Build		no	no	no	no	C/E	28/76	C/F	34/85	C/C	C/B	57.0	23.1	good	0	NA	0	0	0	0	0	0	0	

NA: Not Applicable

- (1) SDDOT policy requires a minimum 100' separation from an interstate ramp junction/turn lane to the nearest access point.
- (2) LOS and Delay applies to the single intersection associated with the SPI.
- (3) While the DDI would be a new configuration for this area, drivers have become well-adapted to DDI interchanges where they have been implemented in other locations.
- (4) Interchange alternatives are designed to fit within the existing I-29 ROW.
- (5) 41st Street construction cost limits are based on estimated final Control of Access limits (per direction from SDDOT).
- (6) Determination of bridge treatment with DDI alternative will be made during the final design process

Options recommended for elimination from further evaluation

Drawn By: B.Miller Date: 4/12/2017 Chked By: J.Unruh Date: 4/12/2017 Revision:

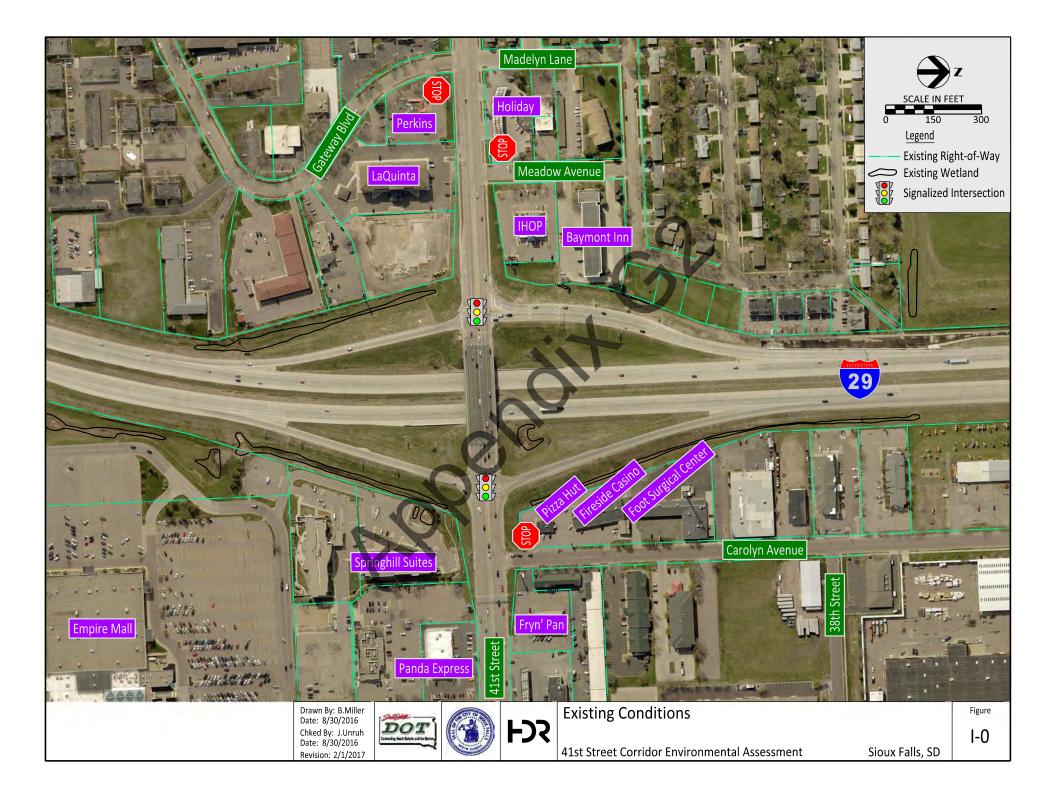


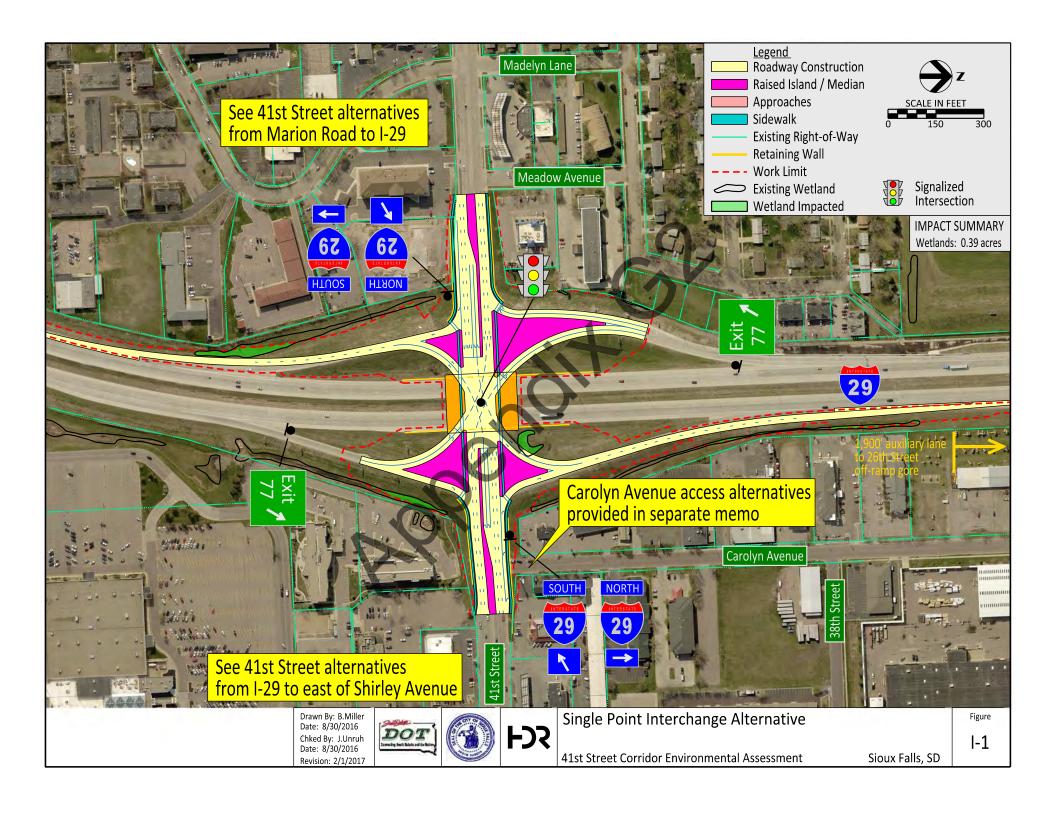


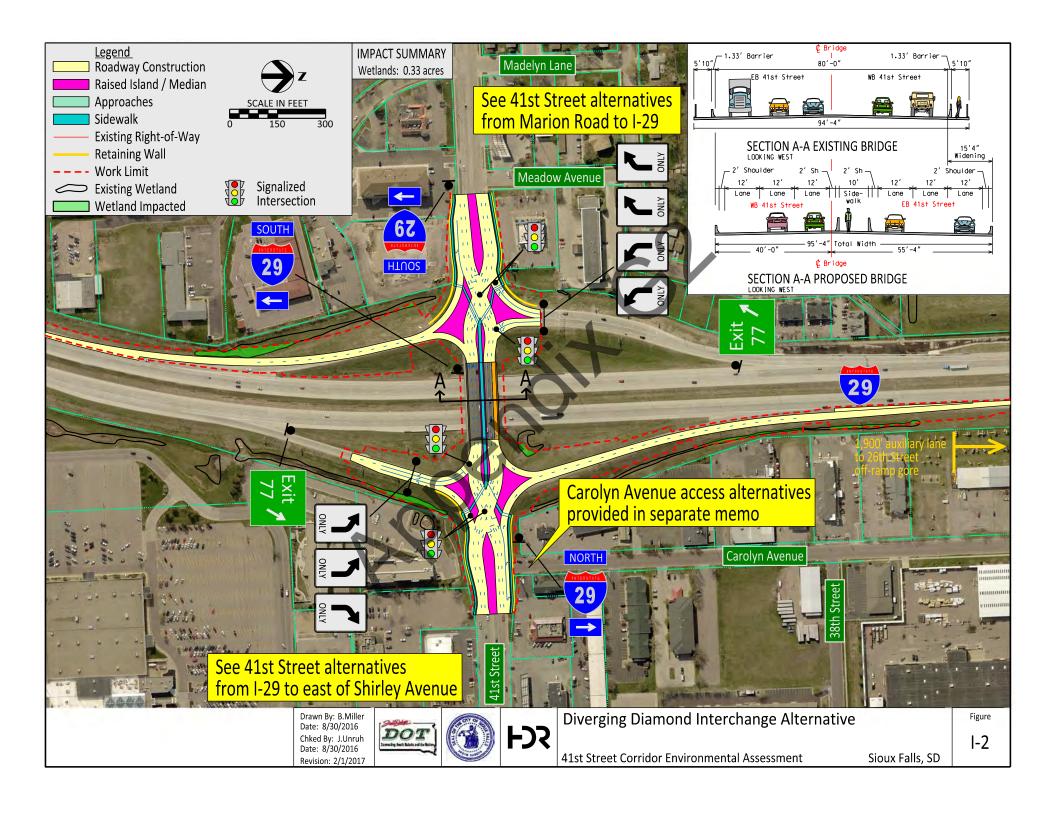


Interchanges
Alternative Evaluation Summary and Comparison Matrix
41st Street Corridor Environmental Assessment
Sioux Falls, SD

Figure







1. Build Alternatives Recommendations Summary

Alternatives recommended to be carried forward:

Alternative	Description	Main reason(s) for carrying forward
B1	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd	Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination
Α	Raise center median with full access only at signalized intersections	Landowner opposition to perceived access restrictions Alternative B1 addresses access concerns
B2	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd <u>and</u> 3/4 access at Godfathers/Mount Marty College entrance	Impacts to Black Diamond Casino parking lot and Godfathers Pizza drive-though lane City policy is to provide the 3/4 access configurations at street intersections or at a combination of multiple driveways.
С	Center two-way left turn lane	Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met.

		Pur	rpose	and N	eed	Tra	affic Ope	erations	(2)			Pro	operty I	mpacts					Costs			En		pplica ment	able al Imp	acts
						Year	2023	Year	2045								ion	_			ale)		ies	9		
ative		City LOS Criteria	Improvement	Pedestrian Facilities	SDDOT and City	41st St/Marion Rd Intersection	41st St/Terry Ave Intersection	41st St/Marion Rd Intersection	41st St/Terry Ave Intersection	Total commercial acqueitions	Total Commercial Acquisitions	Partial commercial acquisitions	Re-sale commercial properties	Net Commercial Acquistion	Partial Residential Acquistions (4)	ed Business / wner Acceptance for s and Impacts	Initial ROW Acquisition	Net ROW Acquisition	Construction	Initial Total	Final Total (after property re-sa	Historic Structures	Section 4(f) Properties	Environmental Justice	Contaminated Materials	Noise
Alternative	Description	Meets	Safety	Pedes	Meets	LOS AM/PM	LOS AM/PM	LOS AM/PM	LOS AM/PM	#	sq ft	sq ft	sq ft	sq ft	sq ft	Affect Lando Access	М\$	М\$	м\$	М\$	м\$	#	#	#	#	#
A	Raised median with full access signalized intersections at 41st/Marion, 41st/Terry, and 41st/I-29	yes (1)	yes	yes	yes	D/C	В/В	E/E (1)	в/в	1	37,396	32,621	27,444	42,573	534	poor	2.2	1.6	9.9	12.1	11.5	0	0	0	(6)	11 (7)
B-1	Raised median with same intersections as Alt A and 3/4 access at 41st/Madelyn/Gateway	yes (1)	yes	yes	yes	D/C	В/В	E/E (1)	в/в	1	37,396	39,301	27,444	49,253	.534	moderate	2.4	1.8	10.1	12.5	11.9	0	0	0	(6)	11 (7)
B-2	Raised median with same intersections as Alt A and 3/4 accesses at 41st/Madelyn/Gateway and Godfathers/Mount Marty College	yes (1)	yes	yes	ne	D/C	В/В	E/E (1)	в/в	1	37,396	40,696 (3)	27,444	49,872	534	unknown (5)	2.4	1.8	10.2	12.6	12.0	0	0	0	(6)	(8)
С	Center two-way left turn lane with same signalized intersections as Alt A	yes (1)	no	yes	no	D/C	в/в	E/E (1)	В/В	1	37,396	18,115	32,412	23,099	534	good	1.7	1.0	9.2	10.9	10.2	0	0	0	(6)	11 (7)
NB	No-Build	no	no	no	no	C/E	B/B	F/F	B/E	0	0	0	0	0	0	good	NA	NA	NA	NA	NA	0	0	0	0	(9)

NA: Not Applicable

- (1) To meet year 2045 LOS criteria, 41st Street will need to be widened to 3 through lanes west of Marion Road between year 2023 and year 2045 as shown in the 2012 Corridor Study.
- (2) LOS shown is with the Diverging Diamond Interchange at I-29; LOS with Single Point Interchange at I-29 is similar.
- (3) Impacts to Black Diamond Casino parking spaces and Godfathers Pizza drivethrough lane would be considered significant impacts to these properties.
- (4) Residential acquisitions are for narrow strips (3' to 10' width) along Marion Road.
- (5) The alternative was developed specifically to address a request by the Mount Marty College representative.
- (6) Total acquisition parcel is at southeast quadrant of 41st & Marion (former 7-Eleven Store); underground gasoline storage tanks were removed in 1998 and contaminated soils were removed.
- (7) Year 2045 predicted noise levels are above Noise Abatment Critera but noise mitigation measures do not meet SDDOT policy for cost effectiveness
- (8) Noise impacts would be the same as for alternative B-1
- (9) SDDOT policy does not require evaluation of noise impacts for future no-build conditions.

Options recommended for elimination from further evaluation

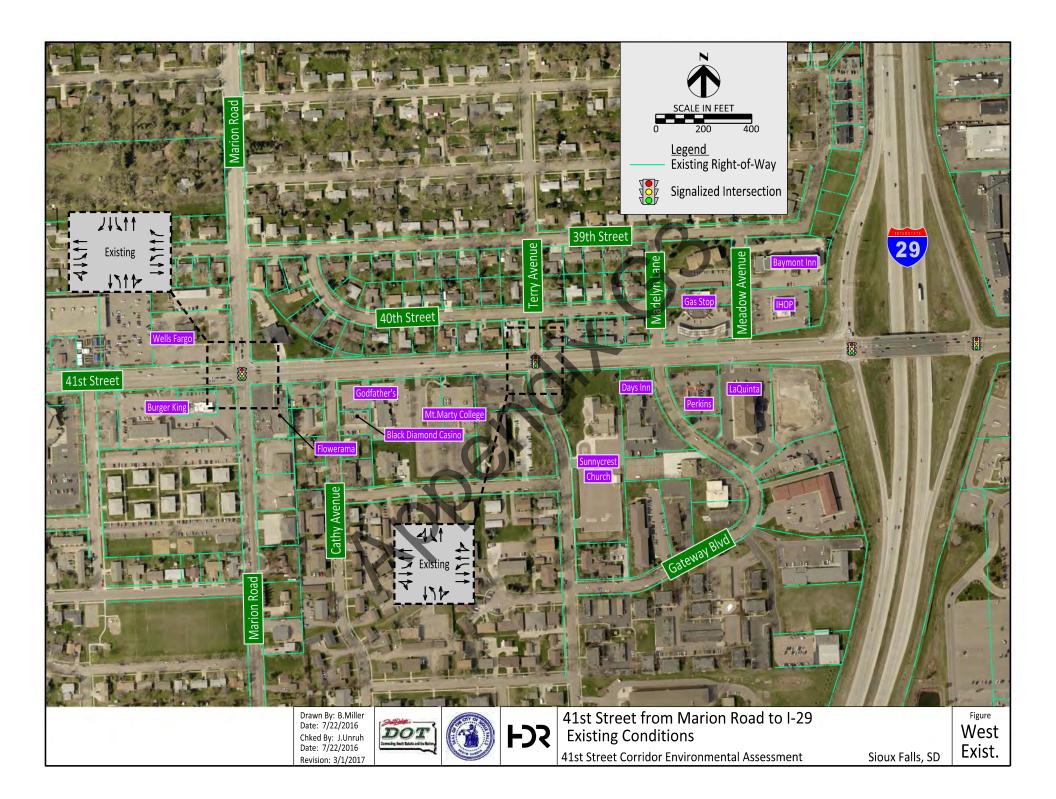
Drawn By: B.Miller Date: 4/12/2017 Chked By: J.Unruh Date: 4/12/2017 Revision:

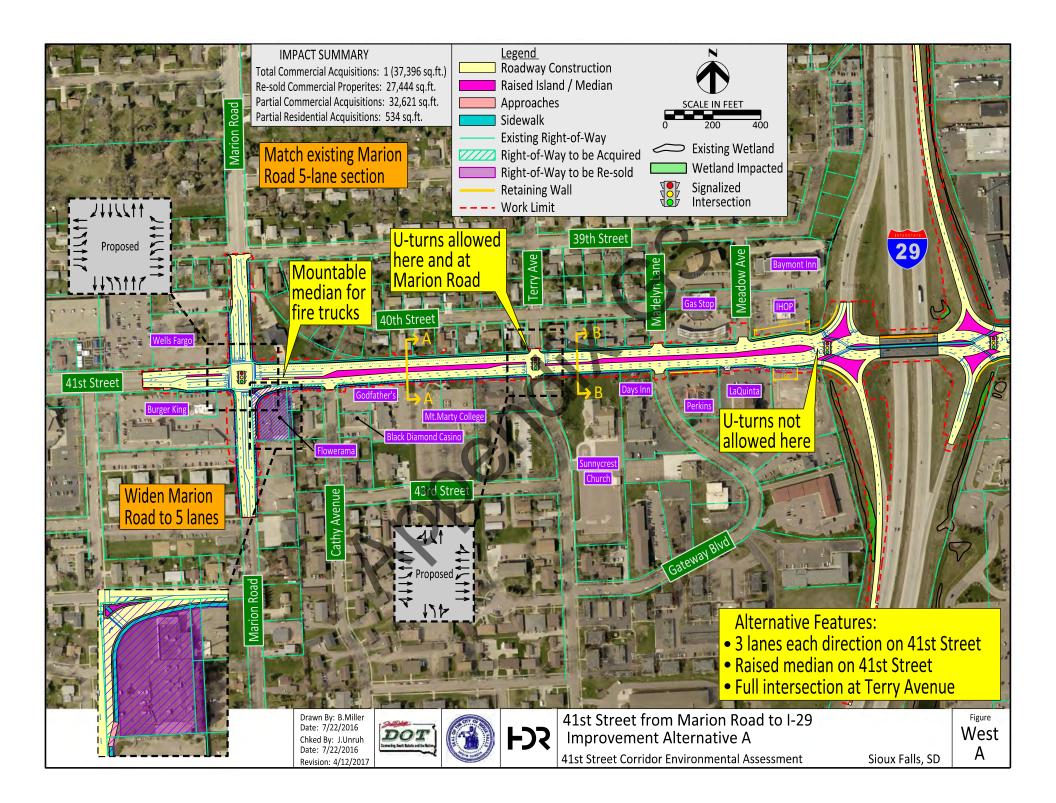


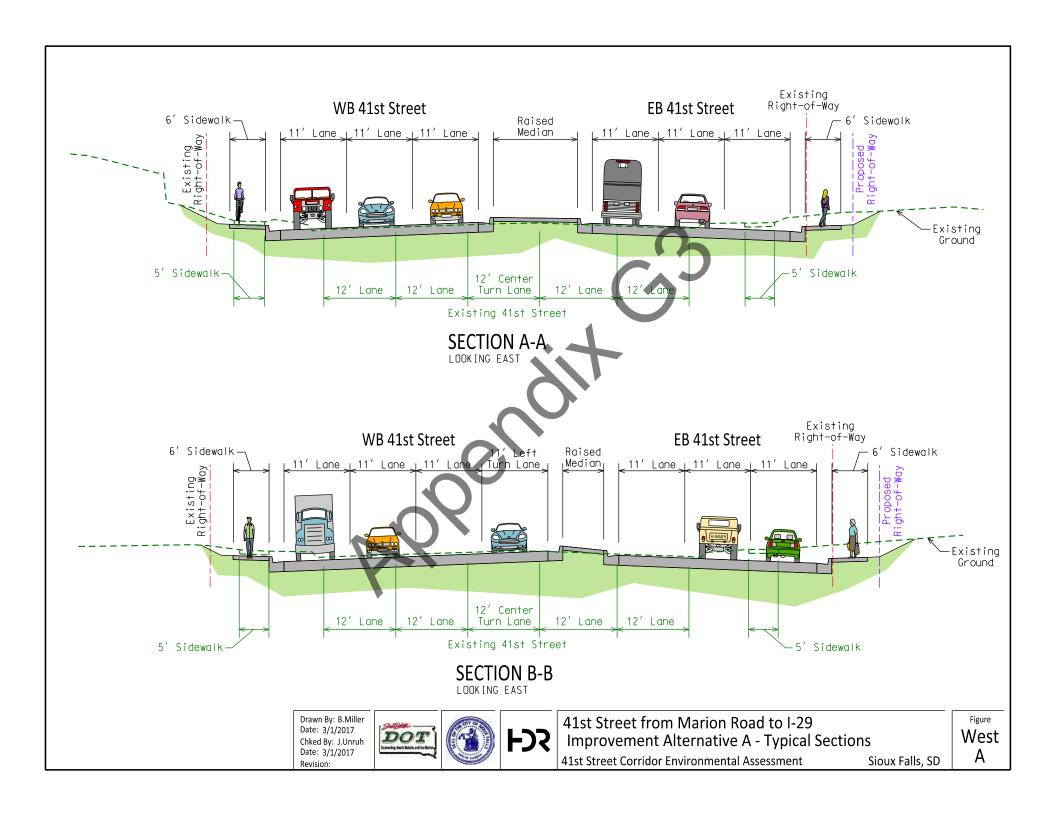


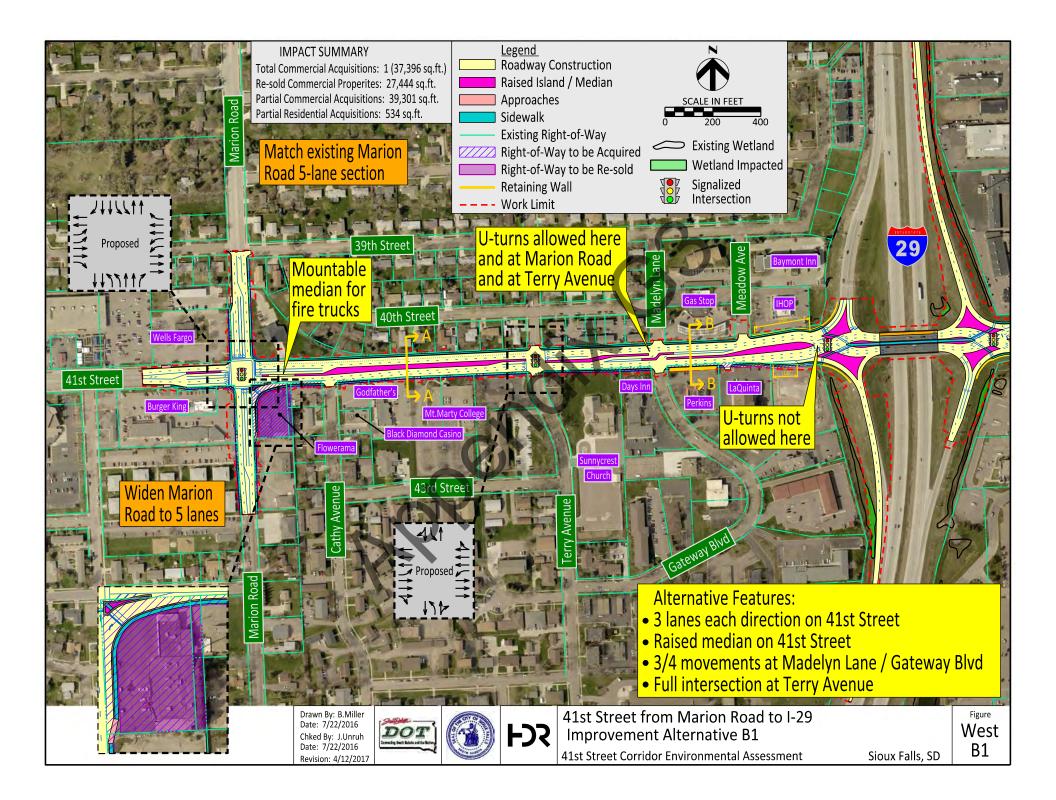
41st Street from Marion Road to I-29
Alternative Evaluation Summary and Comparison Matrix
41st Street Corridor Environmental Assessment
Sioux Falls, SD

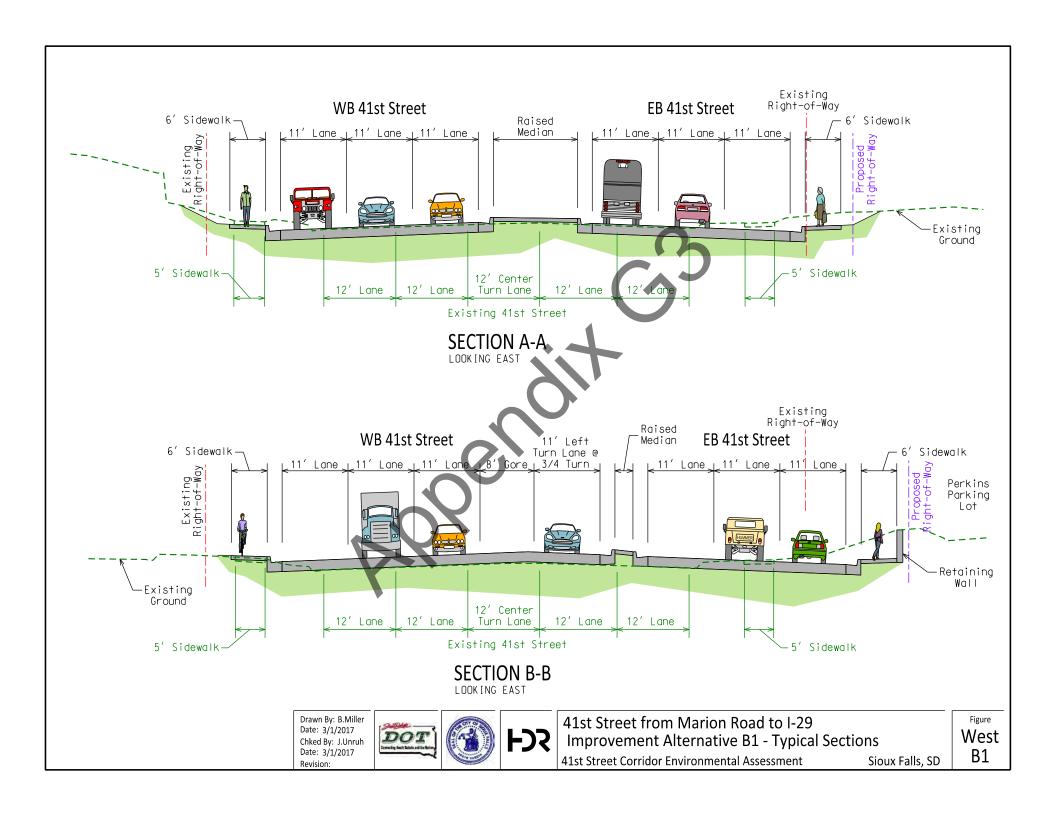
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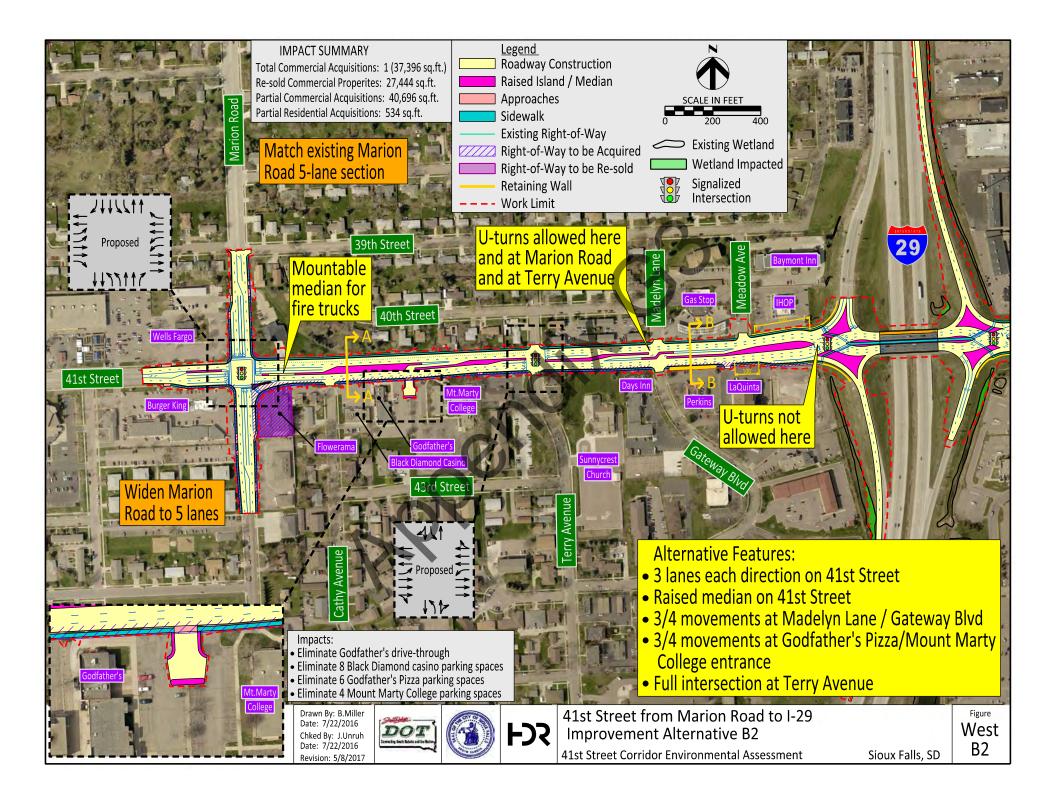


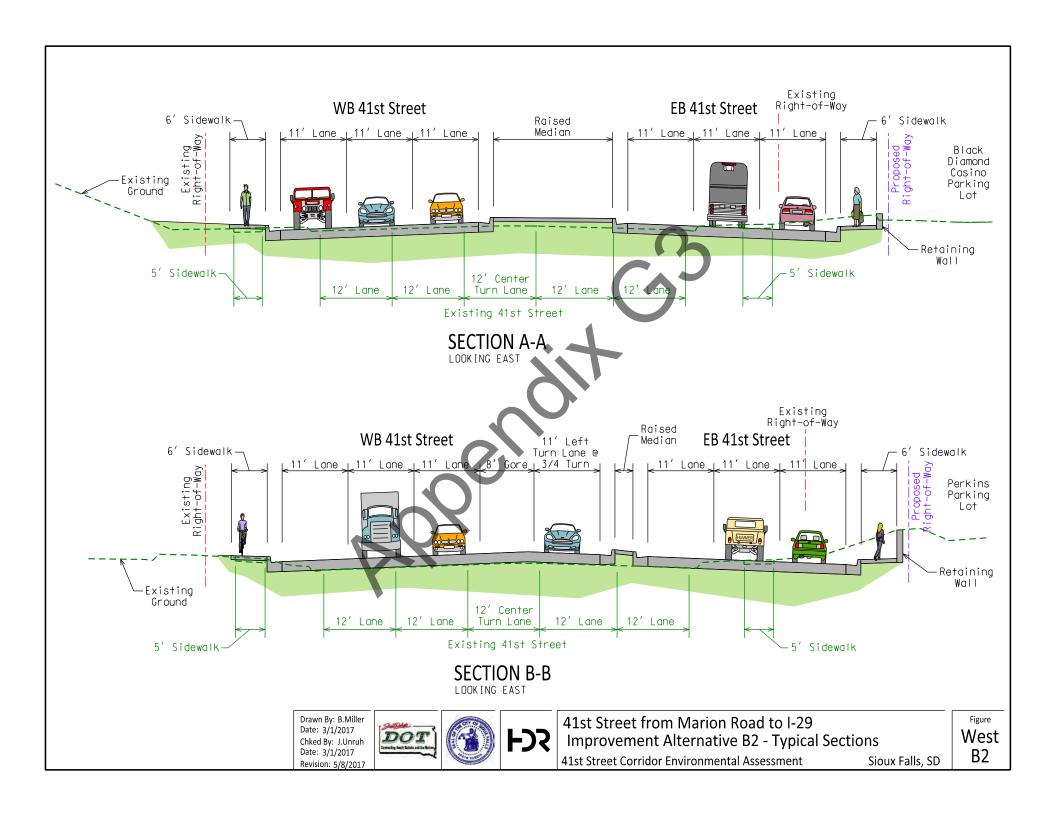


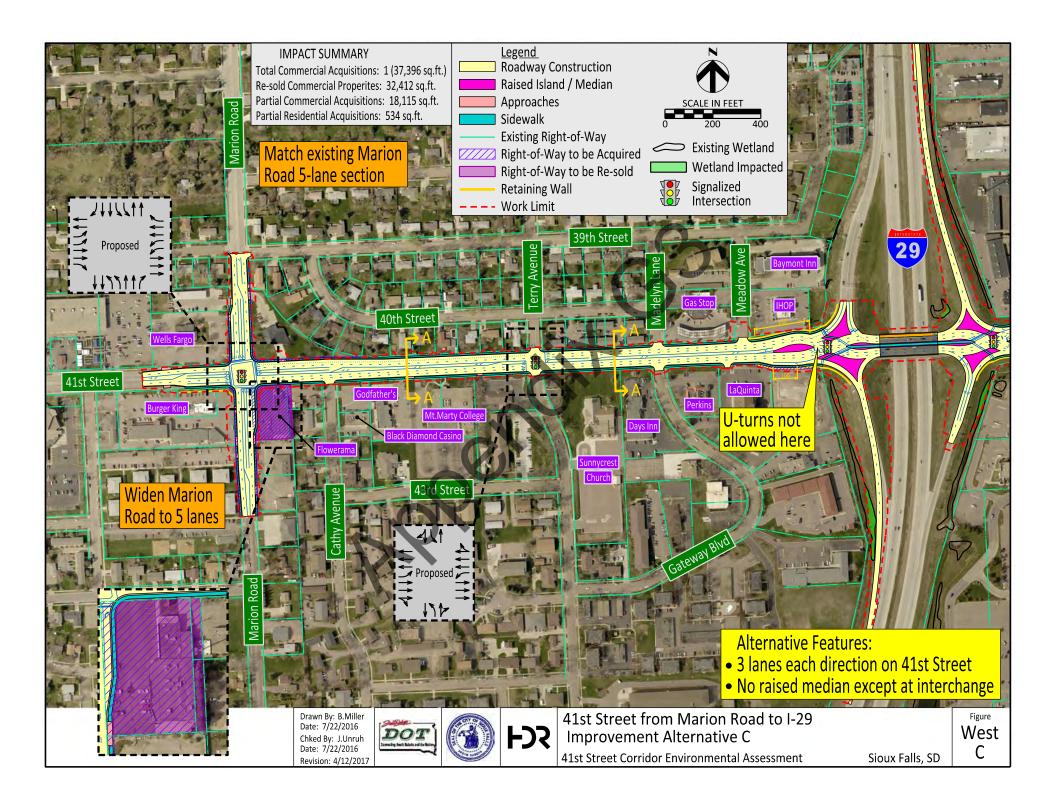


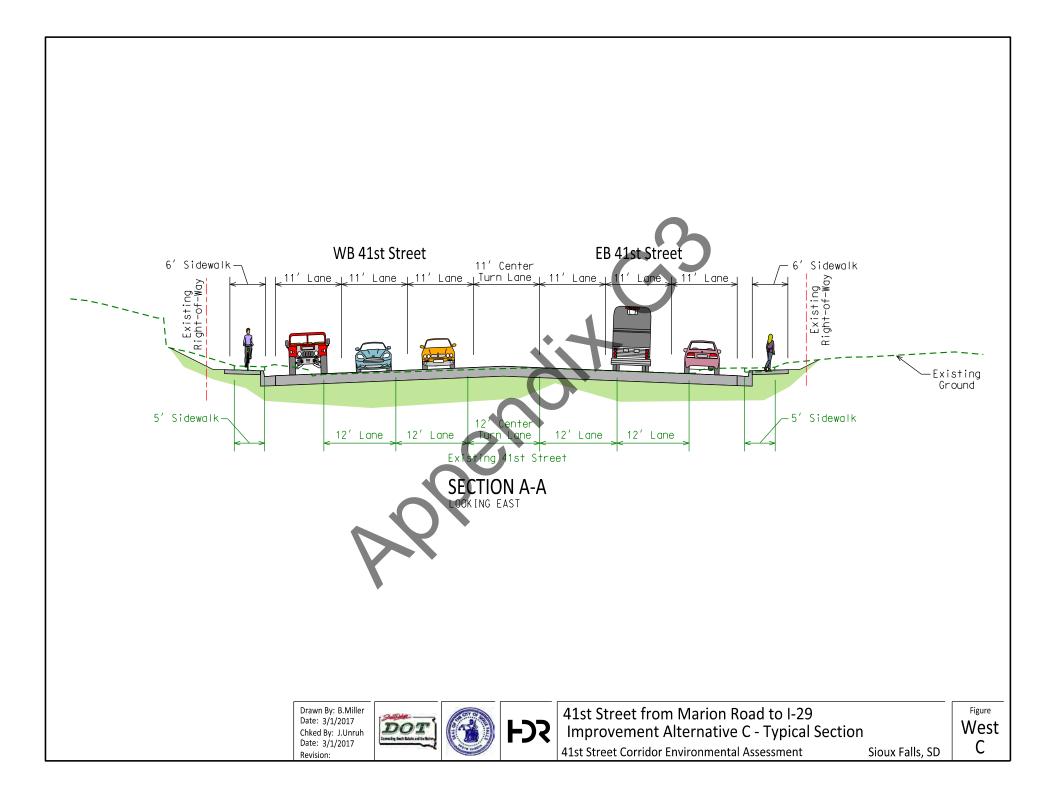












1. Build Alternatives Recommendations Summary

Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward
A	Raise center median with 3/4 access at W Empire Place and two-way mall access at Shirley Avenue	 Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination
В	Raise center median with 3/4 access at W Empire Place and one-way mall access at Shirley Avenue	One-way mall access road is not desired by the property owner (Empire Mall); the City of Sioux Falls concurs with the property owner.
С	Center two-way left turn lane	Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met.

		Pur	pose :	and No	eed		Ť	affic Ope	erations (2)			Proper	rty Impa	ncts		Costs		E	nviror Imp	nmen acts	
						1 3	Year 2023	3		Year 2049	5									es	a	rials
ative		City LOS Criteria	Improvement	Pedestrian Facilities Improvement	SDDOT and City Policy	41st St/W Empire Pl Intersection	41st St/Shirley Ave Intersection	41st St/Louise Ave Intersection (3)	41st St/W Empire Pl Intersection	41st St/Shirley Ave Intersection	41st St/W Louise Intersection (3)	Total commercial acqusitions	Partial commercial acqusitions	Mall Access	Affected Business / Landowner Acceptance for Access and Impacts	ROW Acquisition	Construction	Total	Historic Structures	Section 4(f) Properties	Environmental Justice	Contaminated Materials
Alternative	Description	Meets	Safety	Pedest	Meets	LOS AM/ PM/Sat		LOS AM/ PM/Sat		LOS AM/ PM/Sat	LOS AM/ PM/Sat	#	sq ft	Empire Ma Circulation	Affecte Landov Access	М\$	М\$	М\$	#	#	#	#
А	Raised median with 3/4 access at W Empire Place and 2 thru lanes on Shirley Ave and mall entrance	yes (1)	yes	yes	yes	A/A/A	B/D/D	C/D/E	A/A/A	C/D/D	C/E/E	0	24,720	good	moderate	0.8	6.2	7.0	0	0	0	(5)
В	Raised median with 3/4 access at W Empire Place and one-way outbound at Shirley Ave mall entrance	yes (1)	yes	yes	yes	A/A/B	B/D/D	C/D/E	A/A/B	B/D/D	C/D/E	0	18,895	poor (4)	poor (4)	0.6	5.7	6.3	0	0	0	(5)
С	Center two-way left turn lane with signalized intersections at W Empire Place and Shirley Ave	yes (1)	no	yes	no	A/A/B	A/D/D	C/D/E	A/A/B	B/D/D	C/D/E	0	22,935	good	good	0.7	6.1	6.8	0	0	0	(5)
NB	No-Build	yes	no	no	no	A/B/C	A/B/B	C/D/E	A/B/C	A/B/B	D/E/E	0	0	good	good	NA	NA	NA	0	0	0	0

NA: Not Applicable

- (1) LOS criteria at an un-improved 41st/Louise intersection are not met for any scenario; however, 41st St improvements do not result in worse LOS at the 41st/Louise intersection.
- (2) LOS for Build Alternatives is with the Diverging Diamond Interchange at I-29; LOS with Single Point Interchange at I-29 is similar.
- (3) Improvements at 41st/Louise intersection are not proposed with this project.
- (4) One-way outbound mall access at Shirley Avenue is not desired by the property owner (Empire Mall); the City of Sioux Falls concurs with the property owner.
- (5) Panda Express strip mall has been evaluated for Phase I Environmental Site Assessment due to past use as gas station. Underground storage tanks have been removed and previous contaminated materials cases have been closed.

Options recommended for elimination from further evaluation

Drawn By: B.Miller Date: 4/12/2017 Chked By: J.Unruh Date: 4/12/2017 Revision:



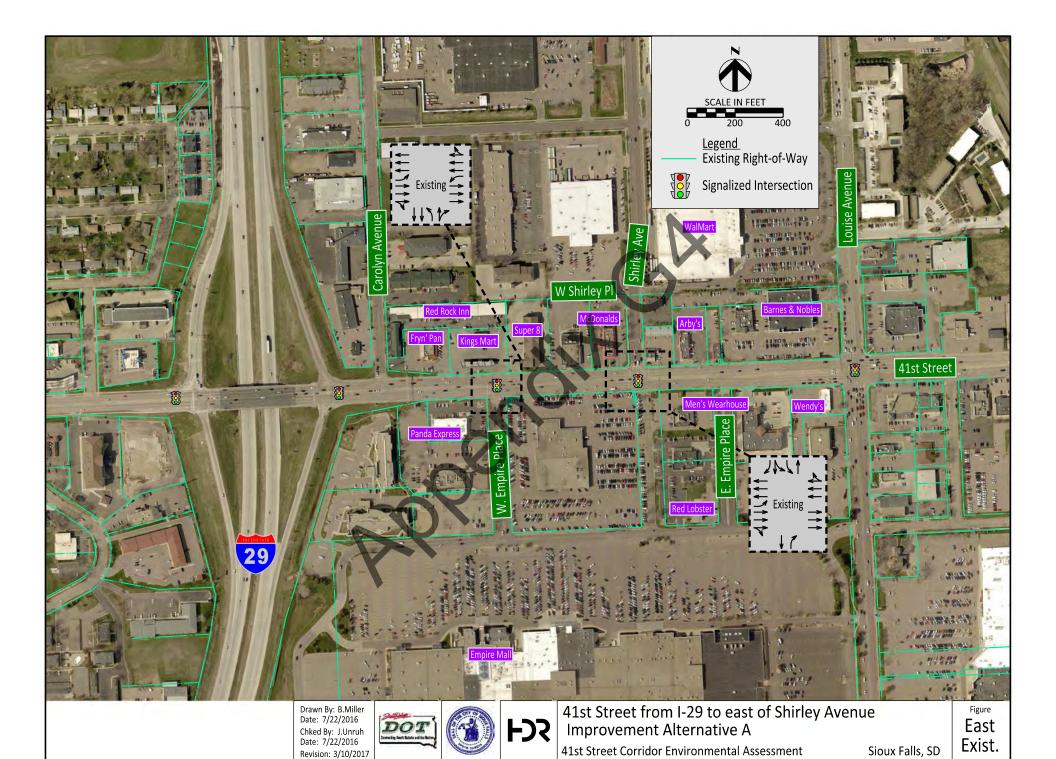


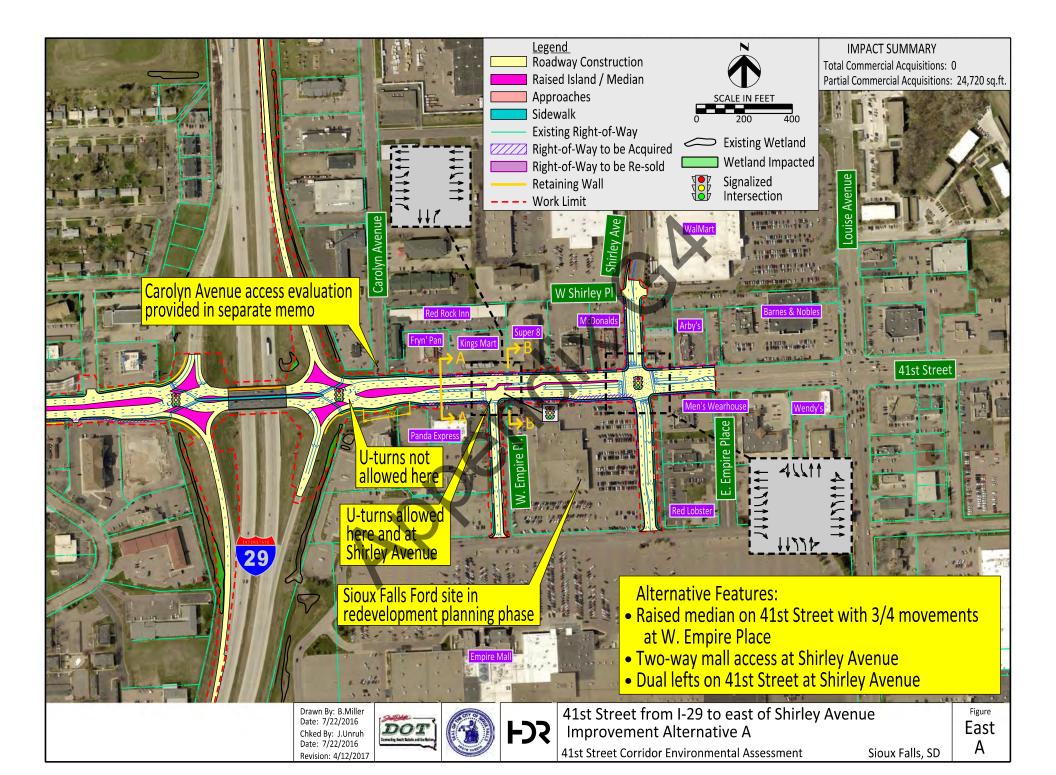


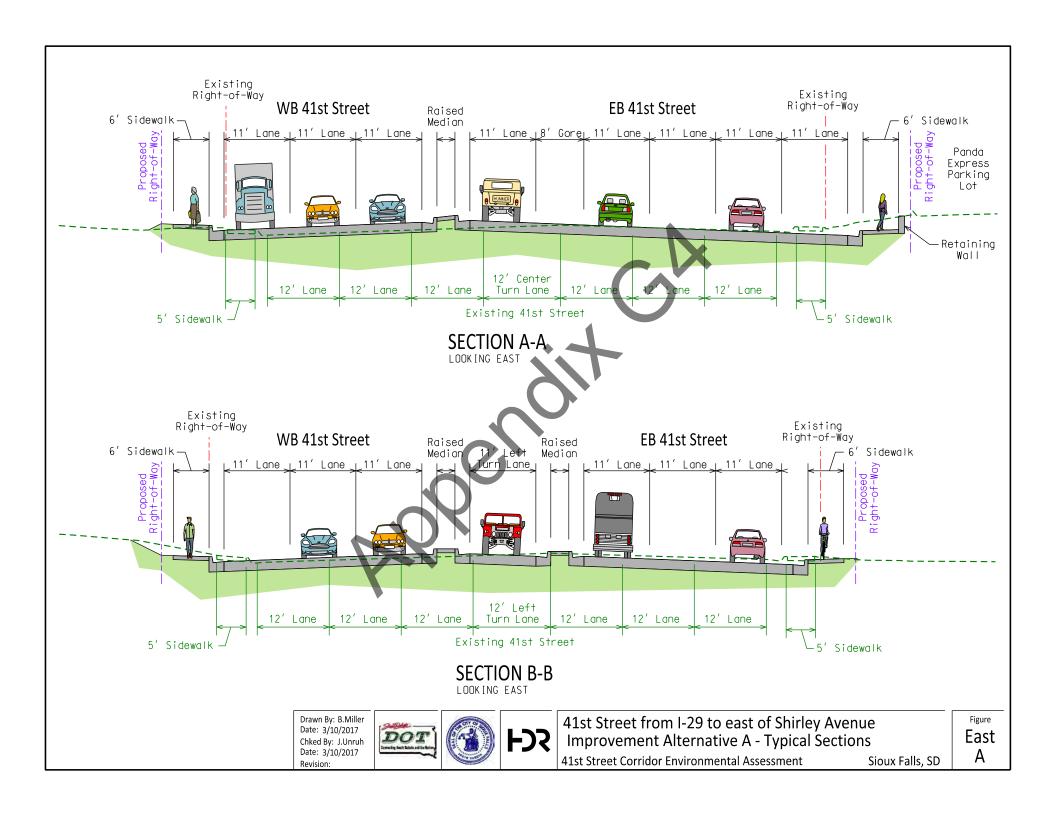
41st Street from I-29 to east of Shirley Avenue Alternative Evaluation Summary and Comparison Matrix

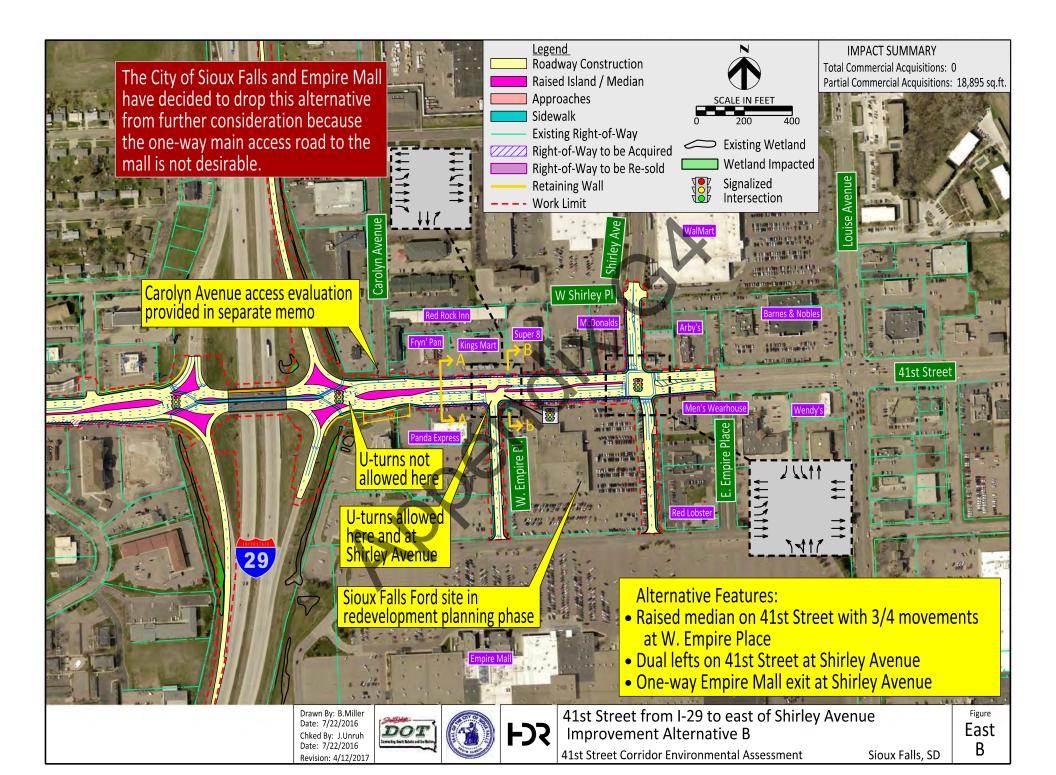
Figure

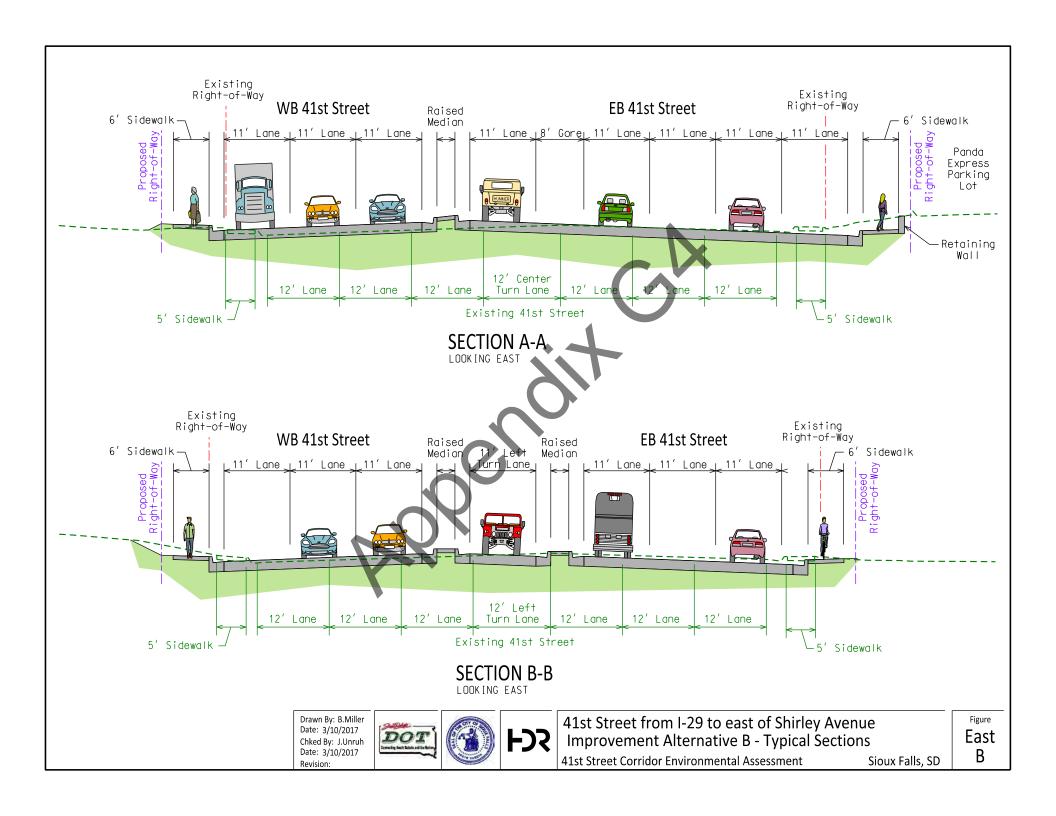
41st Street Corridor Environmental Assessment Sioux Falls, SD

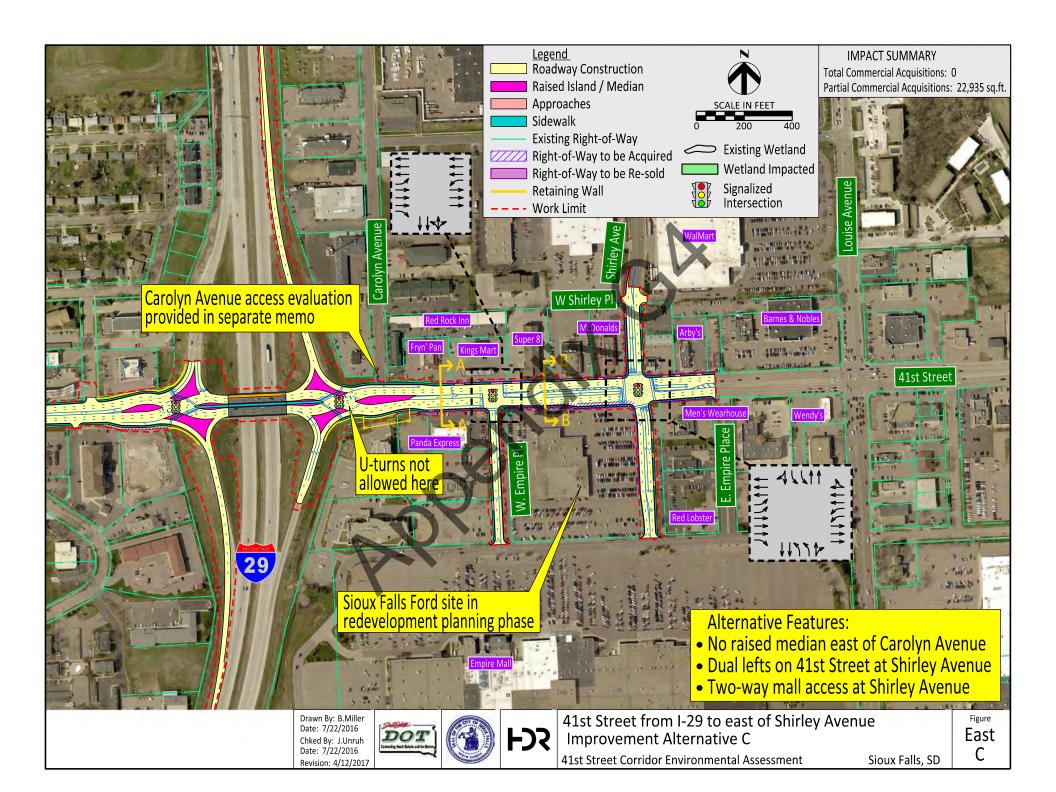


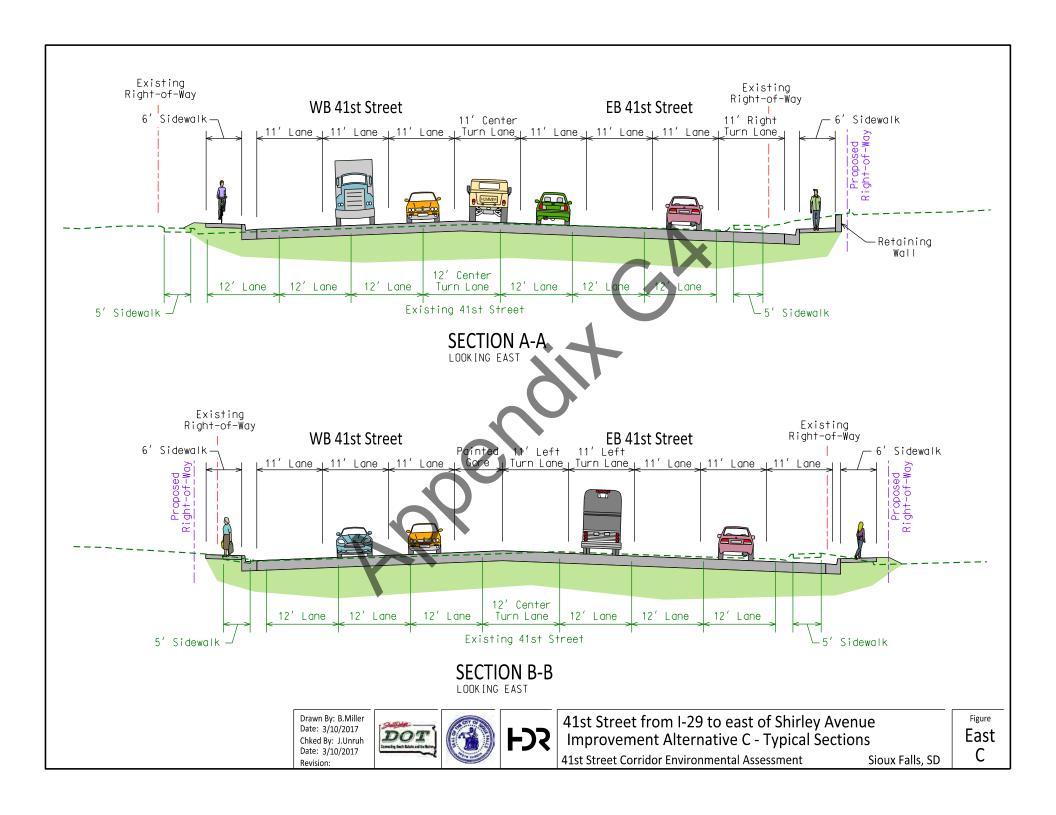


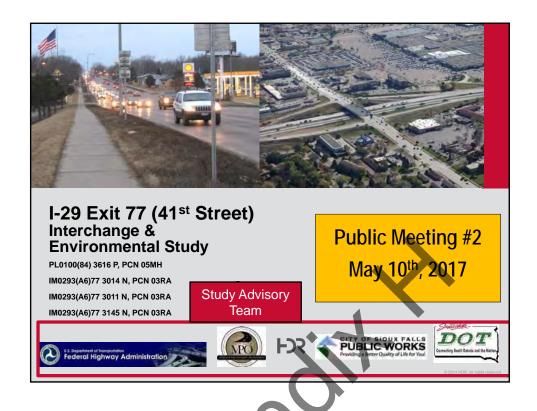










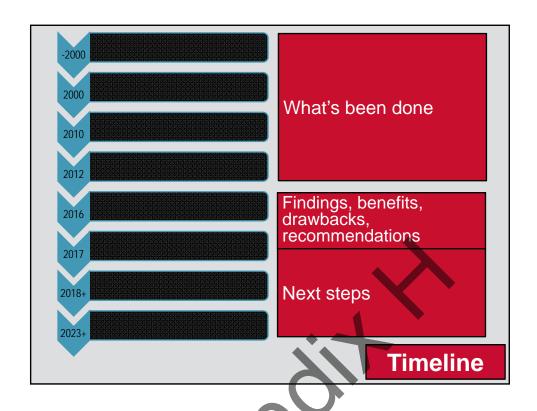


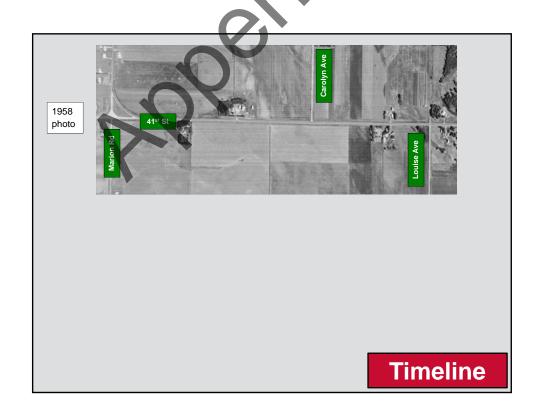


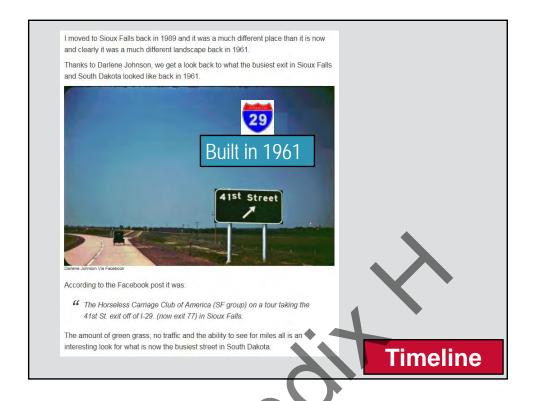
Meeting Purpose and Agenda:

- 1. Review what's been done
- 2. Summarize key findings of environmental studies
- 3. Summarize key benefits and drawbacks of alternatives
- Present recommended alternatives
- 5. Show next steps for project
- 6. Answer your questions and comments

Purpose & Agenda



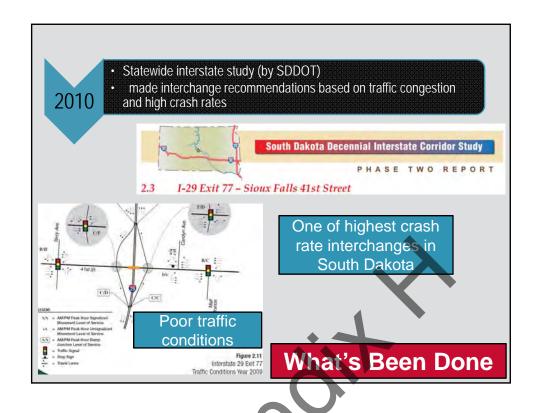


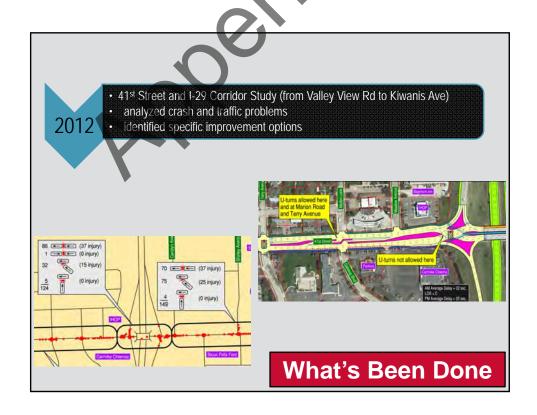


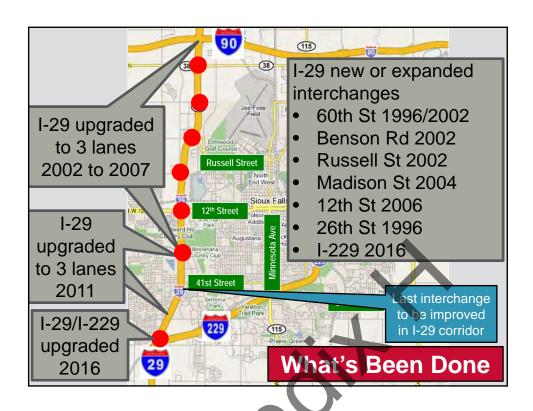






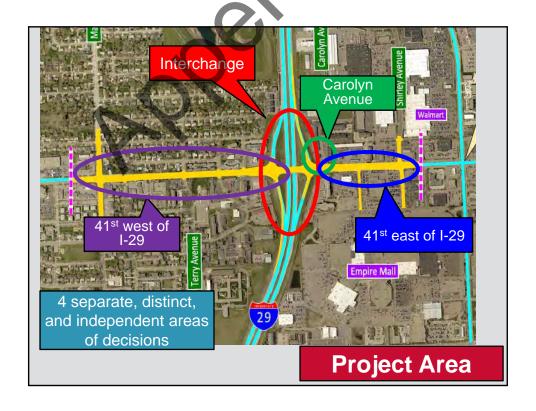


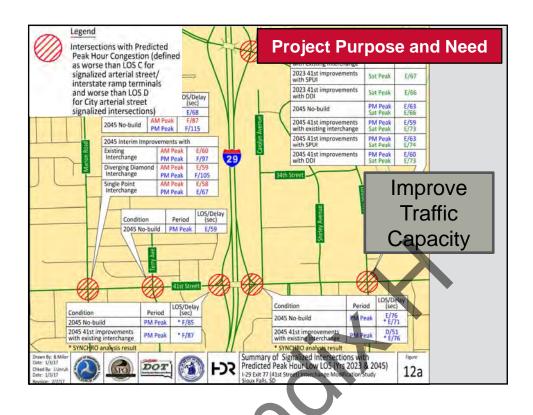


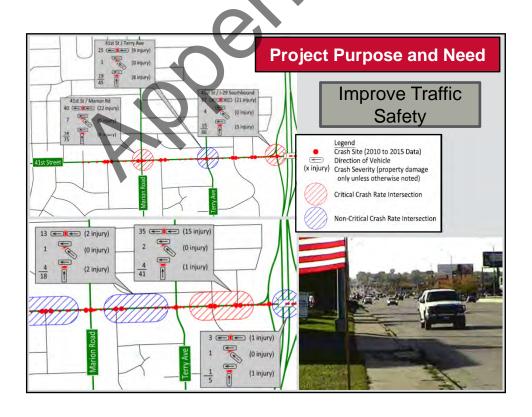


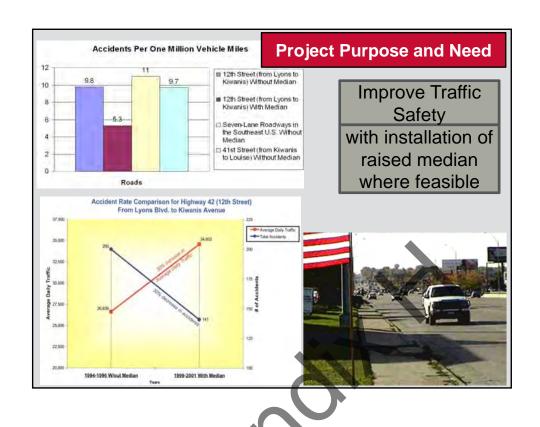




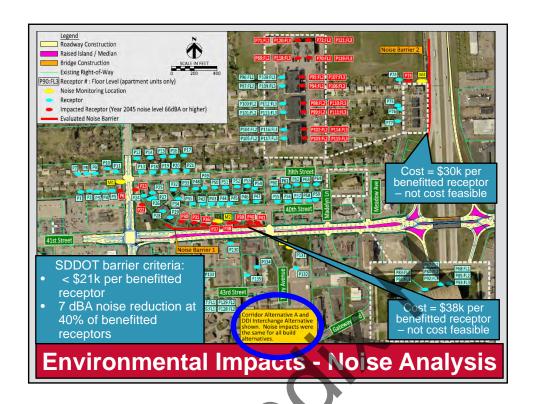


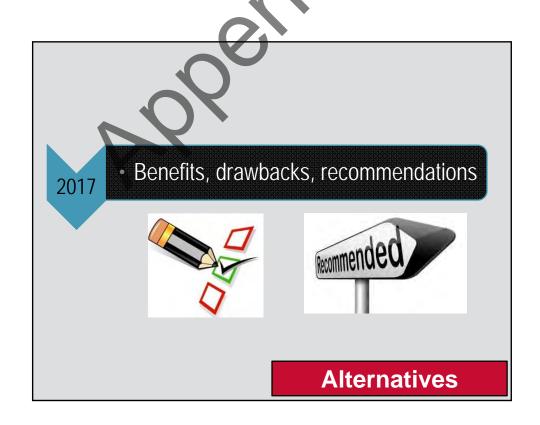




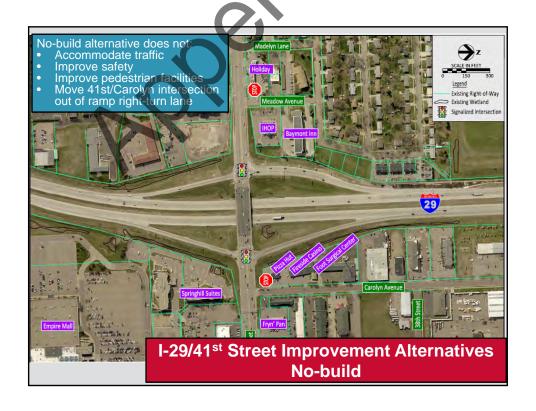


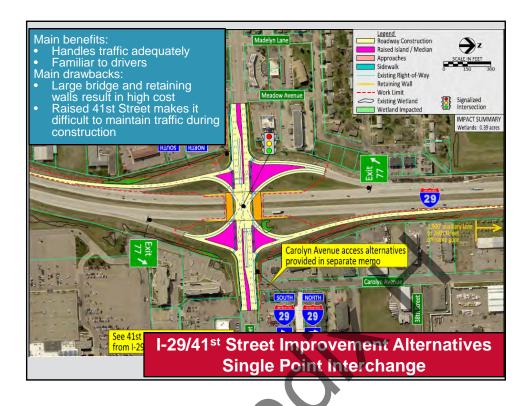


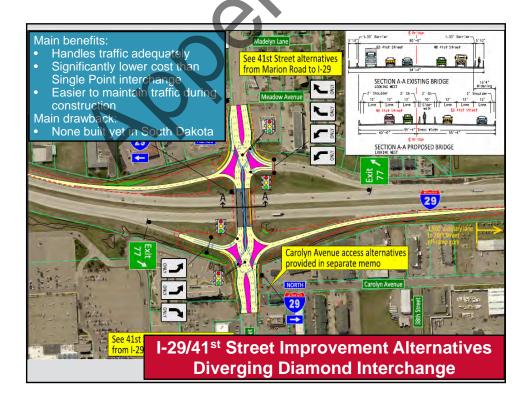






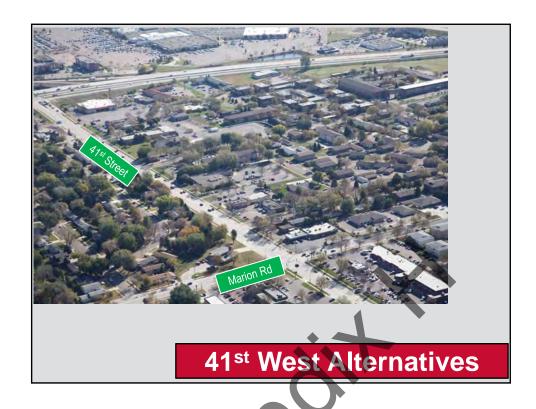






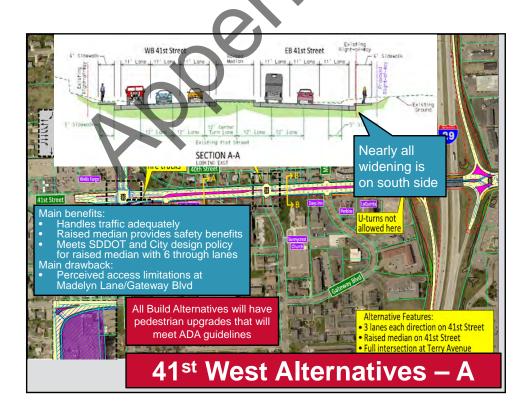
		Pu	rpose	and No	red			045 Trai	ffic Oper	ations		s	afety	Public Perception		ruction acts		Comp	arative (5)	Costs		-	icable iv. acts
		eets SDDOT and City LOS Criteria	wes Safety	ss Pedestrian Facilities	vovides Adequate Separation o Nearest Access (1)		Northbound Ramp Intersettion		Southbound Ramp Intersection	Ramps	Mainline Weaving	Predicted Annual Total Crashes Year of opening to 2045	Predicted Annual Fatality and Injury Crashes Year of opening to 2045	river Familiarity	sance of Traffic during clien	for Phased Construction	ROW Acquisition	Bridge (6)	Retaining Wall	Roadway	Total	Wetlands	Readulain
Alt	rmative	Meets S	Improve	Improves	Provide: to Near	Worst LOS AM/PM	Worst Delay AM/PM	Worst LOS AM/PM	Worst Delay AM/PM	Worst LOS AM/PM	Worst LOS AM/PM			Driver F	Maintenance Construction	Allows f	MS	MS	MS			acres	acre
Single Point	nterchange (SPI)	yes	yes	ves	yes	B/C (2)	20/24	(2)	(2)	c/c	C/B	#1.2	16.4	good	poor	yes	(4)	7.8	4.1	9.3	21.2	0.39	ō
Diverging Diamond Interchange (DOI)	Widen existing bridge Widen and overlay existing bridge New bridge	yes	yes	yes	ves	c/c	26/23	c/c	26/25	c/c	C/8	32.9	11.5	(3)	good	yes	(4)	1.0	2.0	7.7	10.7 11.0 15.2	0.33	0
No-Build		nó	no	nó	no	C/E	28/76	C/F	34/85	c/c	C/8	57.0	23.1	good	0	NA.	ø	4	0	0	0	0	0
(2) LOS and De (3) While the D (4) Interchange (5) 41st Street (6) Determinat	able: sy requires a minimu any applies to the sing Di would be a new or afternatives are des construction cost lim on of bridge treatmen munded for eliminati	gle inte onfigur igned s its are ent with	rsection to to fit w based h DDI a	or this or this on est on est	area, one exist imated tive will	with the drivers hi ting I-29 I final Co II be mad	SPI. ave beco ROW. ntrol of A	me well	adapted	d to DDI	intercha	nges wi	here they h	rch	1			•	er	na	ati	Ve	25

Alternative	Main reason(s) for carrying forward
	Significantly lower construction cost than SPI (regardless of treatment of the existing bridge)
Diverging Diamond Interchange	Allows for better maintenance of traffic during construction than SPI
Y	- Lower productive greek rate than CDI
Alternatives recomm	Lower predictive crash rate than SPI nended to be eliminated from further consideration:
Alternatives recomm	
Alternative	nended to be eliminated from further consideration:
	nended to be eliminated from further consideration: Main reason(s) for elimination





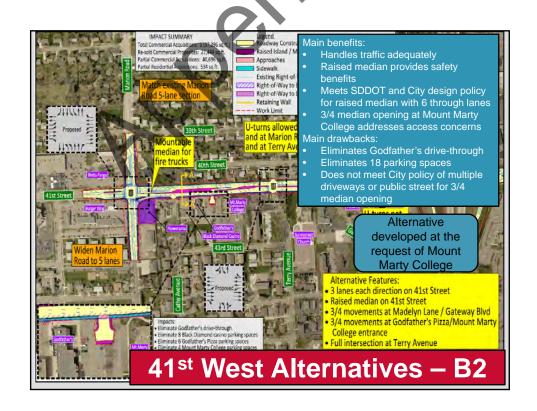




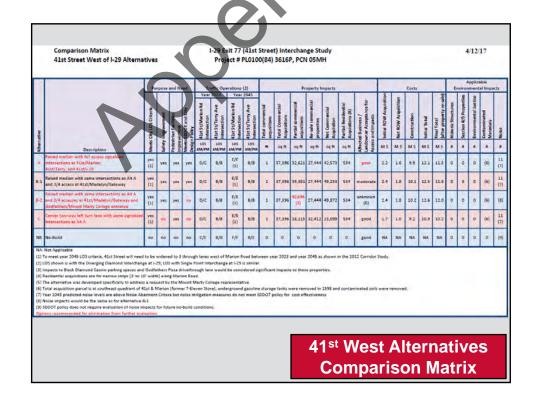












Alternatives recommended to be carried forward:

Alternative	Description	Main reason(s) for carrying forward
B1	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd	 Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination		
А	Raise center median with full access only at signalized intersections	Landowner opposition to perceived access restrictions Alternative B1 addresses access concerns		
B2	Raise center median with 3/4 access at 41 st St /Madelyn Lane/Gateway Blvd <u>and</u> 3/4 access at Godfathers/Mount Marty College entrance	Impacts to Black Diamond Casino parking lot and Godfathers Pizza drive-though lane City policy is to provide the 3/4 access configurations at street intersections or at a combination of multiple driveways.		
С	Center two-way left turn lane	 Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met. 		

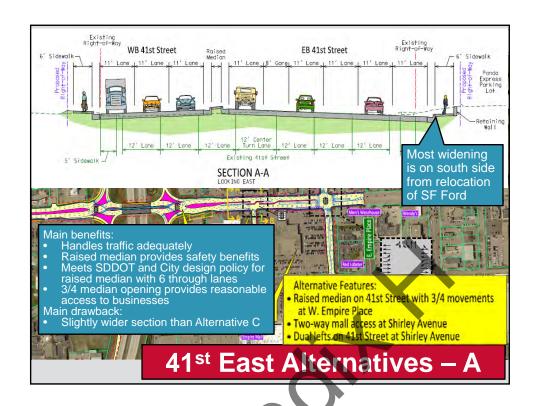
41st West Alternatives
Recommendations

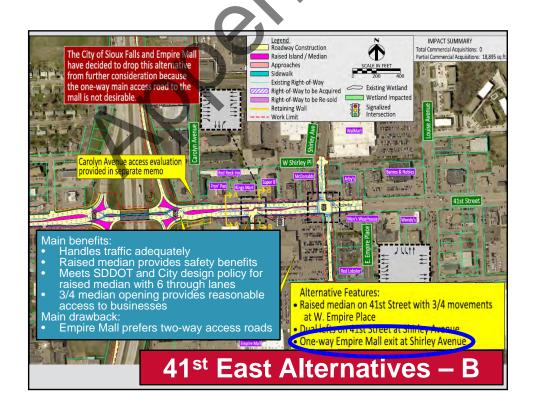


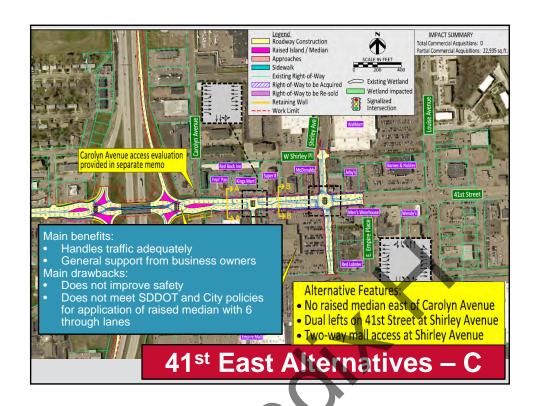
41st East Alternatives

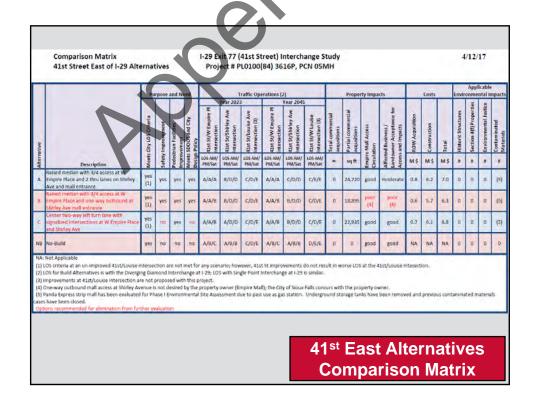












Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward
А	Raise center median with 3/4 access at W Empire Place and two-way mall access at Shirley Avenue	Provides safety benefits of raised median Meets SDDOT and City design policies Provides reasonable access to properties

Alternatives recommended to be eliminated from further consideration:

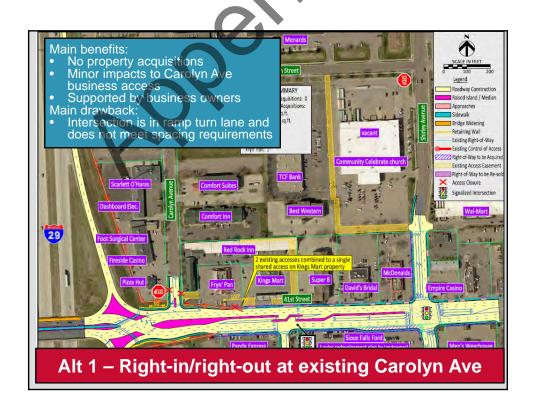
Alternative	Description	Main reason(s) for elimination
В	Raise center median with 3/4 access at W Empire Place and one-way mall access at Shirley Avenue	One-way mall access road is not desired by the property owner (Empire Mall); the City of Sioux Falls concurs with the property owner.
С	Center two-way left turn lane	 Does not provide safety improvements. SDDOT and City design policies for application of raised medians are not met.

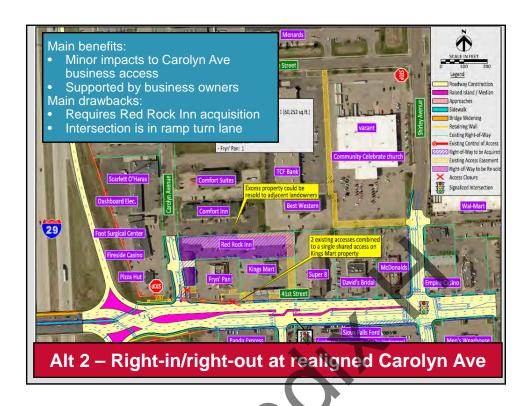
41st East Alternatives
Recommendations

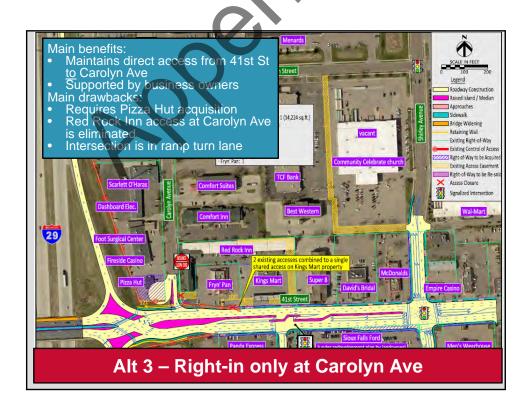


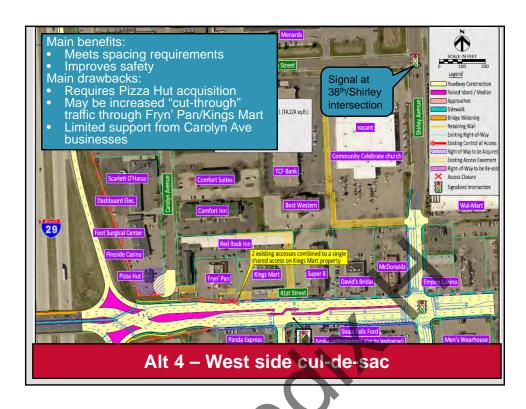
Carolyn Ave Alternatives

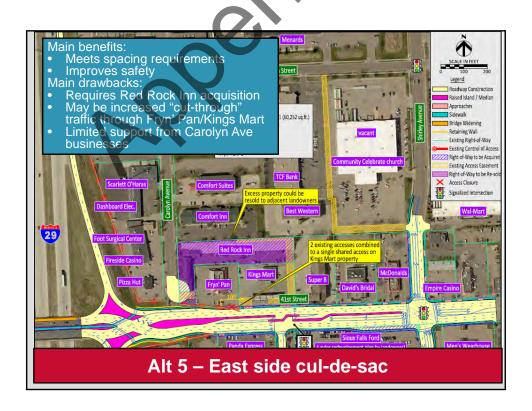


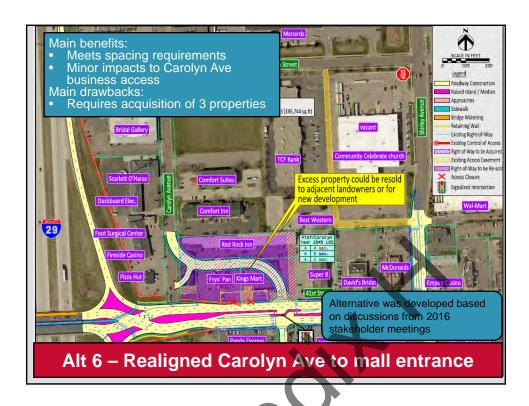


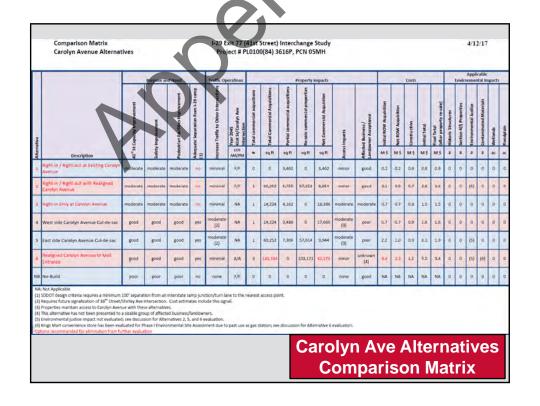












Alternatives recommended to be carried forward for further consideration:

Alternative	Description	Main reason(s) for carrying forward	
4	West Side Carolyn Avenue Cul-de-sac	Meets traffic, safety, and design critera	
5	East Side Carolyn Avenue Cul-de-sac	Meets traffic, safety, and design critera	

Alts 4 & 5 provide reasonable access to area businesses because of:

41st St 3/4 median access at Empire Mall entrance

Signal at 38th/Shirley intersection

- Improved 41st/Shirley intersection

Alternatives recommended to be eliminated from further consideration:

Alternative	Description	Main reason(s) for elimination		
1	Right-in / Right-out at Existing Carolyn Avenue Alignment	 Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met. 		
2	Right-in / Right-out at Realigned Carolyn Avenue	 Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met. 		
3	Right-in Only at Existing Carolyn Avenue Alignment	 Intersection will remain within the 41st Street right turn lane therefore SDDOT spacing criteria is not met. 		
6	Realigned Carolyn Avenue to Empire Mall Entrance	Requires purchase of three commercial properties		

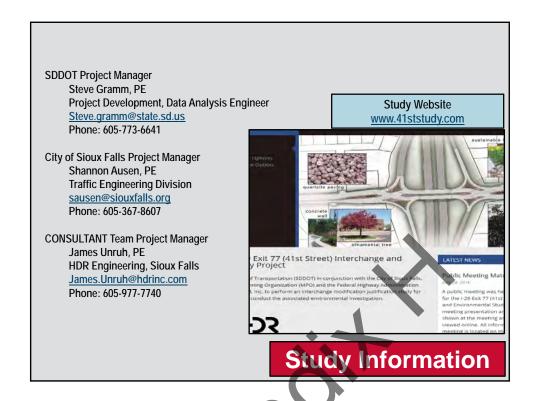
Carolyn Ave Alternatives Recommendations

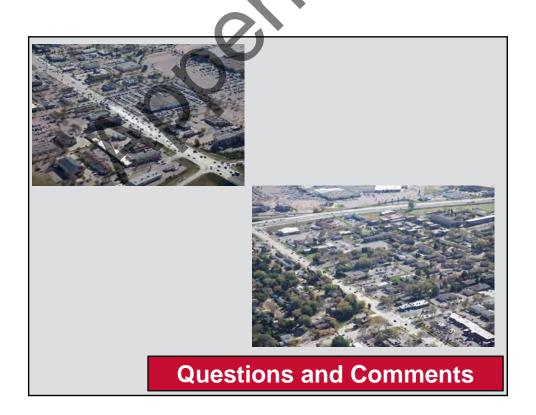
2017

- Fill out and return Comment Card by May 24
- · SAT will compile, review, and address comments
- SAT will finalize environmental study with selected alternative

Next Steps













SIGN IN SHEET

Subject:	I-29 Exit 77 (41st Street) Environmental Study	
Client:	South Dakota Department of Transportation / City of Sioux Falls	
Project:	[SDDOT Project PL0100 (84) and IM0293 (A6)77]	
Meeting Date:	Wednesday May 10, 2017 5:30 – 7:00 PM	Meeting Sioux Falls Convention Center

Please pri	nt clearly. Thank you.			
	NAME/REPRESENTING	ADDRESS	BEST CONTACT PHONE	E-MAIL
1	Steve Gramm	700 E. Broady Ave. Pan	605-773-6641	Steve gramme state solves
2	Steve Gramm Lyn Vesson			FlynLo HOO @ Hot May. Ca
3	Constance Weaver			civeaver 14 Pole, augie.edu
4	LEE KATTAR	2/4 SUNSET GRAVE DELL KAPLOS, SD 57022	ACOS 284 3155	CEF. EATTH COUNTRY COM
5	James Unruh	доя		
6	Jason Kjensted	Д ДП		
7	Brenda Miller	HDR		
8	Terry Kaller	HDR		
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HOR SIGN IN SHEET

Subject:	I-29 Exit 77 (41st Street) Environmental Study	
Client:	South Dakota Department of Transportation / City of Sioux Falls	
Project:	[SDDOT Project PL0100 (84) and IM0293 (A6)77]	
Meeting Date:	Wednesday May 10, 2017 5:30 – 7:00 PM	Meeting Sioux Falls Convention Center

Please print clearly. Thank you. NAME/REPRESENTING ADDRESS BEST CONTACT PHONE E-MAIL 1 Scout Sudbeck 700 E Broadway, Pierre 605-773-2707 Scout Sudbece a State Sd. us 605-BG -0931 2 Toven Korkow 3101 S Carolyn Hve taren Korkow@gmaica 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19







SIGN IN

Subject:	I-29 Exit 77 (41st Street) Environmental Study	
Client:	South Dakota Department of Transportation / City of Sioux Falls	
Project:	[SDDOT Project PL0100 (84) and IM0293 (A6)77]	
Meeting Date:	Wednesday May 10, 2017 5:30 – 7:00 PM	Meeting Sioux Falls Convention Center

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	NAME/REPRESENTING	ADDRESS	BEST CONTACT PHONE	E-MAIL
1	Shannon Ausen	234 W.944 St. SF, SD 57110	367-8607	sousen@simusfalls.
2	Marion Barber	Pierre	776-1012	Marion berber & fot go
3	MIKE LANGFORD	Slowy ANIG	351-2940	
4	Ambur Giloson	500 NWLOHUM AVR 8K 100 SESDS7104	367-5390	ampre Srond. as
5	Suelund	3900 STerry-Office Sioux Fails, SP	361-1402	Sue, sanny crest @midconetwork.com
6	Allew Meskill	Sourfalls		Allen M FLOSio. Micho Net
7	Mark Hoines	FHWA		
8	Rich Phillips	SIDER FILE		
9	CHUCK GUSTAFSON	Slove falls	332-1000	
10	TERRY KELLER	PIERRE	Z80 - 438)	terry. Keller Oparine .co.
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	NAME/REPRESENTING	ADDRESS	BEST CONTACT PHONE	E-MAIL
1	Darin Johnson SDDOT	5306 W. 60th St. N. Sioux Falls, SD	605-367-5680	darin.johnson@ state.sd.us
2	Parla Jones	5005 W 404 ST	605-361-8652	Prikaeper Osianida 18
3	FRANK EIGENMAN HOME OWNER	SF, SD 57106 3708 5 STEVEN EN SF 30 57106	609 301 4605	ESEMANNZ @ BOL COM
4	Chris Healy Attorney	315 S. Phillips Ave Swux Falls, SD 57104	605-336-3075	chis@ melerhenry lw.
5	DanKawiz	46085 Sertoma 4 M	VOX-254-3136	
6	Strue Hoff	6300 S. Old Village	605-261-6683	steve. hote bolinc.com
7	Jason Reaves	5024 S. Burock P/ SF	605-214-3386	jreques.sdacpa@nidconetund
8	Russ Hard	340 S. March	605-254-8415	russ-fousaemsn.com
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Comments	Comments from April/May 2017 I-29 Exit 77 (41 st Street) Public Involvement and Applicable Responses					
Property	Representative	Meeting	Concern(s)	Response(s)		
Fryn' Pan Restaurant (4204 W. 41 st Street)	Dave Stukel	email dated 5/4/17 following 4/25/17 landowner meeting	I think that it is important that I voice my opinion on the two alternatives that are still under consideration. 1. EVERYTHING about Alternative 4 is going to have a negative impact on Fryn' Pan's business. This alternative will drastically impact the profitability of this restaurant. The median is a negative, the "combined driveways" are a negative, the "long route" to go home to the east is a negative, the increase in "cut through traffic" is a negative (to my parking lot's life span AND the safety of my customers). The combination of all these negatives is enough to drive a long-standing business "Out Of Business". 2. All of these negatives still exist in Alternative 5, but at least in Alternative 5 Fryn' Pan could possibly be in a position to expand it's parking lot. This parking lot expansion could offset some or all of the negatives that would be piled upon my business. 3. In visiting with my neighbor, King's Mart, they too have expressed that Alternative 5 is the least disruptive for Fryn' Pan and King's Mart. I would look forward to voicing my opinions at the public meeting on May 10 but unfortunately we will not be unable to attend. I trust that my opinion will be heard. Lastly I would like to sincerely thank you for the hard work that you consistently put into these projects.	 The concerns raised appear to contradict support for Carolyn Avenue Alternatives 4 and 5 shared at the 4/24/17 landowner meeting. The proposed 3/4 access raised median configuration on 41st Street does not restrict any access movements to the Fryn' Pan. The single combined driveway with King's Mart was the condition when the Fryn' Pan was established at this location in the 1970s. The driveway directly to the Fryn' Pan was installed several years later within the legal control-of-access for the I-29 interchange. Patrons leaving the Fryn' Pan heading eastbound on 41st Street will need to utilize Carolyn Avenue, 38th Street, and Shirley Avenue. Although this is a longer route than turning left from Fryn' Pan directly to eastbound 41st Street, making left turns onto 41st Street is very difficult and unsafe at virtually any time of the day because of the high traffic volumes on 41st Street. The "long route" represents a beneficial safety aspect of Alternatives 4 and 5. Cut through traffic may be a concern; however, the proposed improvements on 41st Street and at the Shirley Avenue/41st Street intersection will likely make the "cut-through" route less desirable for drivers than utilizing the street network. There is no guarantee that Fryn' Pan would purchase any part of the Red Rock Inn property acquired with Alternative 5. Verbal comments from King's Mart representatives at the 4/25/17 landowner meeting indicated concurrence with Alternatives 4 or 5. The large cost differential between acquisition of the Pizza Hut property (Alternative 4) and the Red Rock Inn property (Alternative 5) leads us to move forward with Alternative 4. 		
Black Diamond Casino (5113 W 41st Street)	Lawrence Piersol	Comment card dated 5/19/17	Good meeting regarding project with good visuals and explanation, although I had previously reviewed the project on line as I was out of the state for the winter.	No response required.		

Comments from April/May 2017 I-29 Exit 77 (41st Street) Public Involvement and Applicable Responses continued					
Property	Representative	Meeting	Concern(s)	Response(s)	
Bridal Gallery (3101 S Carolyn Avenue)	Taren Korkow	Comment card at 5/10/17 public meeting	I am still not happy w/ the options on Carolyn Avenue. The hotels are farther down closer to 38 th Street where us closer to 41 st Street will really be impacted by closing the road. I for one would cut through the business to access my business. I would not go to 38 th and around.	The Bridal Gallery driveway is approximately 300 feet from 38 th Street and 700 feet from 41 st Street. While some drivers may cut through the Fryn' Pan and King's Mart properties to access Carolyn Avenue, the proposed improvements on 41 st Street and at the Shirley Avenue/41 st Street intersection will likely make the "cutthrough" route less desirable for drivers than utilizing the street network.	
King's Mart (4200 W 41 st Street)	un-named customer	Letter dated 5/16/17	Traffic Engineers, I am a regular customer at the King's Mart gas station on West 41 st . When I attempt to exit with a left turn onto 41 st , I feel like I'm playing "Frogger". There are more exits on that side of 41 st (in that area) that are also difficult to make left turns. The Manager of King's Mart says it will be fixed in 2023. Is there any way to make it safer until then? Thank you, King's Mart Customer.	Recommended Alternative A will resolve the unsafe situation with left turns from driveways along 41 st Street. Until 41 st Street is widened with this project, there is not a feasible solution to the problem. The City is requesting that the I-29/41 st Street project be accelerated to year 2022. In addition, the 41 st Street/Shirley Avenue intersection improvements may be completed prior to the overall I-29/41 st Street project.	
Carolyn Ave general	Chris Parsley & Koni Sims	5/10/17 MPO Citizens Advisory Committee	Request sidewalk access to the propose cul-de-sac on Carolyn Avenue from 41 st Street.	This will be considered during preparation of preliminary and final design plans. It should be noted that existing Carolyn Avenue has no sidewalk north of 41 st Street.	
41 st Street general	Chris Parsley	5/10/17 MPO Citizens Advisory Committee	Bicycle community wants painted sharrows in the center of the lanes, with signage, on the outermost lanes of 41 st Street.	This will be considered during preparation of preliminary and final design plans. With the high traffic volumes on 41 st Street and many driveways, it would seem preferable to discourage bicyclists from using 41 st Street for safety reasons.	