

**MEMORANDUM**

To: Sreyoshi Chakraborty, Project Manager – Cheyenne MPO

From: Andrew Dana, Project Manager – Ayres Associates

Date: March 5, 2010

Project No.: 32-1394.00

Re: Missile Drive Second Open House

On February 16, 2009 the second open house for the Missile Drive Corridor project was held in the Sunflower room of the Laramie County Library for the purpose of presenting and reviewing the project progress. The project team presented a phased land use alternative, the preferred corridor improvement, and five intersection alternatives for the intersection of Old Happy Jack Road/19<sup>th</sup> Street/Missile Drive.

**Alternative 1 – Existing Condition**

Alternative 1 is a no-build alternative. There will not be any improvements to the intersection or the culverts. (See Figure 1)

**Alternative 2 – 19<sup>th</sup> Street Reconfiguration (A)**

Alternative 2 improves the 19<sup>th</sup> Street/Old Happy Jack intersection by creating 2 T-intersections that tie into Missile Drive at close to 90 degrees. 19<sup>th</sup> Street would use the existing culverts over Crow Creek. (See Figure 2)

**Alternative 3 – 19<sup>th</sup> Street Reconfiguration (B)**

Alternative 3 improves the 19<sup>th</sup> Street/Old Happy Jack intersection by creating 2 T-intersections that tie into Missile Drive at close to 90 degrees. 19<sup>th</sup> Street would be straightened and new culverts would be installed at Crow Creek. This alternative was presented as the preferred alternative (See Figure 3)

**Alternative 4 – 19<sup>th</sup> Street Closed & 20<sup>th</sup> Street Extended**

Alternative 4 would remove the 19<sup>th</sup> Street intersection with Missile Drive. 20<sup>th</sup> Street would be extended to Missile Drive and tie into Old Happy Jack Road. This alternative would require a bridge be constructed over Crow Creek. (See Figure 4)

**Alternative 5 – 19<sup>th</sup> Street Reconfigured & 20<sup>th</sup> Street Extended**

Alternative 5 improves the 19<sup>th</sup> Street intersection by straitening 19<sup>th</sup> Street and installing new culverts at the Crow Creek crossing. 20<sup>th</sup> Street would be extended to Missile Drive and tie into Old Happy Jack Road. This 20<sup>th</sup> Street would require a bridge be constructed over Crow Creek. (See Figure 5)

Based upon the input from the attendees, as well as from the questionnaires the majority of the people preferred Alternative 3. They also want to see the area landscaped to improve the appearance of the corridor.

Approximately 20 people attended the public open house for the Missile Drive Corridor project. Four of the attendees turned in comment forms. The following is a summary of the answers to questions on the comment form.

1. Does the proposed land use meet the needs of the area in the future? If not what changes would you like to see with the proposed land use?
  - a. Yes – None
  - b. Yes, very good plan
  - c. I like the 2 way traffic on 19<sup>th</sup> street for most alternatives. My office is at 1102 W 19<sup>th</sup> Street. It is amazing how much traffic travels the wrong way on 19<sup>th</sup> Street. How can we move the schedule up? I like the landscaping and the greenway.

2. Please rank the 19<sup>th</sup> Street/Old Happy Jack Road intersection alternatives in order of your preference, with 1 being the best and 5 being the worst.

Alternative 1 – Existing Condition	_,5,5,5
Alternative 2 – 19 <sup>th</sup> Street Reconfiguration (A)	_,4,2,3
Alternative 3 – 19 <sup>th</sup> Street Reconfiguration (B)	1,1,1,1
Alternative 4 – 19 <sup>th</sup> Street Closed & 20 <sup>th</sup> Street Extended	_,2,4,4
Alternative 5 – 19 <sup>th</sup> Street Reconfigured & 20 <sup>th</sup> Street Extended	_,3,3,2

3. What elements of the proposed plan do you like?
  - a. Traffic, ped., greenway improvements
  - b. Improved appearance, improved islands
4. What elements of the proposed plan do you dislike?
  - a. None
5. What improvements would you like to see for pedestrians and bicyclists?
  - a. Proposed plan more than adequate
  - b. Greenway
6. General Comments.
  - a. A very good plan and vision for the west side of the community. The big challenge will be adequate funding and a method of dealing with the blight property issue. I do like the link to the West Lincolnway improvements. Again the issue there is the blight zone problems that are holding this area back.

# Alternative 1

## Existing Condition



### 19<sup>th</sup> Street/Old Happy Jack Road Intersection

#### Pros:

- Lowest Cost Alternative
- Maintains connectivity between 19<sup>th</sup> Street and Old Happy Jack Road

#### Cons:

- Intersection does not meet current roadway standards
- No flood plain improvements are included as part of this alternative
- Greenway path crosses at grade with 19<sup>th</sup> Street
- 19<sup>th</sup> Street intersection will need to be signalized by 2030

## Missile Drive Corridor Project

# Alternative 2

## Reconfigured 19<sup>th</sup> Street (A)



### 19<sup>th</sup> Street/Old Happy Jack Road Intersection

#### Pros:

- Lowest Cost Standard Intersection
- Intersections can remain as stop controlled
- Intersections meet current design standards
- 19<sup>th</sup> Street traffic remains 2-way to Snyder Avenue

#### Cons:

- No flood plain improvements are included as part of this alternative
- Greenway path crosses at grade with 19<sup>th</sup> Street
- Does not maintain connectivity between 19<sup>th</sup> Street and Old Happy Jack Road

## Missile Drive Corridor Project

# Long Term Preferred Alternative

## Alternative 3

### Reconfigured 19<sup>th</sup> Street (B)



### 19<sup>th</sup> Street/Old Happy Jack Road Intersection

#### Pros:

- Intersections can remain as stop controlled
- Intersections meet current design standards
- Flood plain improvements are included as part of this alternative
- Greenway path crosses under 19<sup>th</sup> Street using an underpass
- 19<sup>th</sup> Street traffic remains 2-way to Snyder Avenue

#### Cons:

- Does not maintain connectivity between 19<sup>th</sup> Street and Old Happy Jack Road

## Missile Drive Corridor Project

# Alternative 4

## 19<sup>th</sup> Street Closed & 20<sup>th</sup> Street Extended



### 19<sup>th</sup> Street/Old Happy Jack Road Intersection

#### Pros:

- Intersections meet current design standards
- Flood plain improvements are included as part of this alternative
- Greenway path crosses under 20<sup>th</sup> Street
- 20<sup>th</sup> Street traffic remains 2-way to Snyder Avenue
- Maintains connectivity between 20<sup>th</sup> Street and Old Happy Jack Road

#### Cons:

- Additional right-of-way is required
- Main entrance for ready-mix plant is blocked
- Intersection of 20<sup>th</sup>/Old Happy Jack Road/Missile Drive is skewed
- 20<sup>th</sup> Street intersection will need to be signalized by 2030

## Missile Drive Corridor Project

# Alternative 5

## 19<sup>th</sup> Street Reconfigured & 20<sup>th</sup> Street Extended



### 19<sup>th</sup> Street/Old Happy Jack Road Intersection

#### Pros:

- Intersections meet current design standards
- Flood plain improvements are included as part of this alternative
- Greenway path crosses under 19<sup>th</sup> Street & 20<sup>th</sup> Street
- Maintains connectivity between 20<sup>th</sup> Street and Old Happy Jack Road

#### Cons:

- Additional right-of-way is required
- Main entrance for ready-mix plant is blocked
- Intersection of 20<sup>th</sup>/Old Happy Jack Road/Missile Drive is skewed
- 20<sup>th</sup> Street intersection will need to be signalized by 2030
- Highest cost Alternative

### Missile Drive Corridor Project