

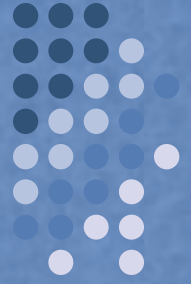
WEST ALLISON ROAD CORRIDOR STUDY

Cheyenne Metropolitan Planning Organization
Public Open House

August 5, 2009



West Allison Road – Study Overview



- Purpose of Project

- To maintain the Level of Service of the existing roadways
- To provide safer travel for vehicles, bicycles and pedestrians

- Project Components

Public Participation

- Traffic Study – Baseline Report
- Evaluation of Roadway Options
- 35% Preliminary Plan and Cost Estimating
- Final Report and Recommendation to the MPO/City/County



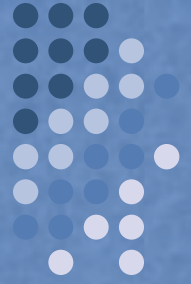
West Allison Road Corridor Map



West Allison Road Corridor begins at South Greeley Highway on the east end and runs approximately 1.7 miles West to Parsley Blvd. on the west end via Jefferson Road as the north leg and Pinto Lane as the south leg.



West Allison Road and South Greeley Highway

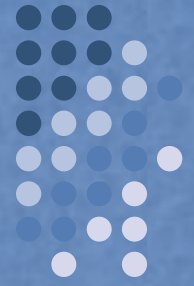


Areas of Concern:

- Signal timing
- Lane Configuration
- Right-of-Way Width



East Half of West Allison Road approaching Greeley Highway

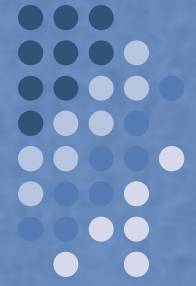


Potential Improvements:

- New pavement with the addition of curb & gutter, sidewalks, and multi-use paths
- Utilities (water and sewer)
- Modify Existing Drainage Conveyance
- Increase Sight Distance



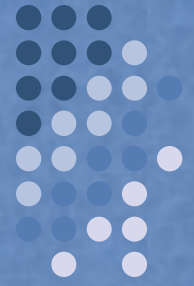
West Allison Road From South Greeley Hwy to Walterscheid Blvd. with Conceptual Improvements



- The east portion of West Allison Road approaching South Greeley Highway
- Section shown with curb, gutter and detached sidewalk
- Detached sidewalk includes proposed landscaped tree lawn



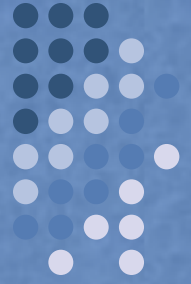
Intersection of West Allison Road & Walterscheid Boulevard



- **Beginning of West Allison Road modifications made in conjunction with South High School.**
- **Signalized intersection with turn lanes (*To be constructed as part of the South High School Project*)**
- **Revise alignment of east leg of intersection to match west leg.**



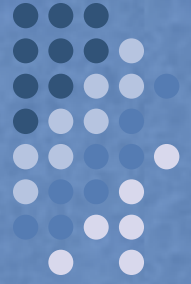
West Allison Road Walterscheid Blvd to Cribbon Ave



- **Addition of curb and gutter, multi-use path from Walterscheid Blvd to Snyder Ave**
(Currently under construction as part of the South High School Project)



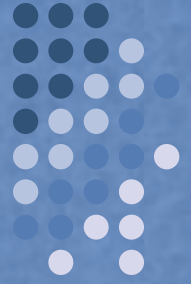
West Allison Road at Johnson Jr. High



- **School property borders both sides of West Allison Road from Snyder Ave to Cribbon Ave**
- **Large Expanse of pavement (60') with straight alignment**
- **Students crossing between schools**



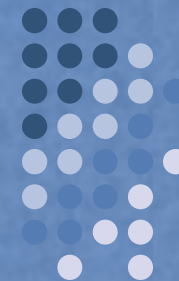
West Allison Road at Johnson Jr. High with Conceptual Improvements



- Addition of center island median with landscaping
- Addition of multi-use path (*Currently under construction as part of the South High School Project*)
- Existing curb and gutter to remain



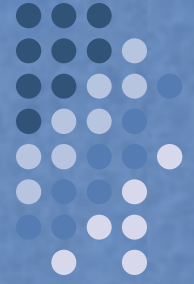
Roundabout at Snyder Avenue



- **New roundabout at West Allison Road and Snyder Avenue. Entrance to South High School and Johnson Junior High**



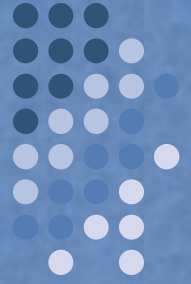
Roundabout at Snyder Avenue with Conceptual Landscaping



- **New roundabout at West Allison Road and Snyder Avenue shown with conceptual landscaping.**

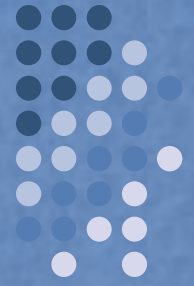


Baseline Report Summary



- A Baseline Corridor Report was prepared by Western R&D summarizing the existing conditions of the corridor
- The next few slides were taken from this Baseline Report.
- These slides provide key information on the existing traffic conditions of the corridor.





Allison Road Corridor

Level of Service in 2008 without South High compared to the Estimated Level of Service in 2012 with South High at full capacity.

(using the Plan Cheyenne criteria for LOS)

Road Name	Road Classification	2008 LOS	(2012 est.) LOS
Allison Road	Collector	A	B
Cribbon Ave.	Collector	A	A
Pinto Lane	Collector	A	A
Jefferson Road	Collector	A	A
Parsley Blvd.	Minor Arterial	A	A
Walterscheid Blvd.	Collector	A	B
Greeley Highway	Principal Arterial	B	D

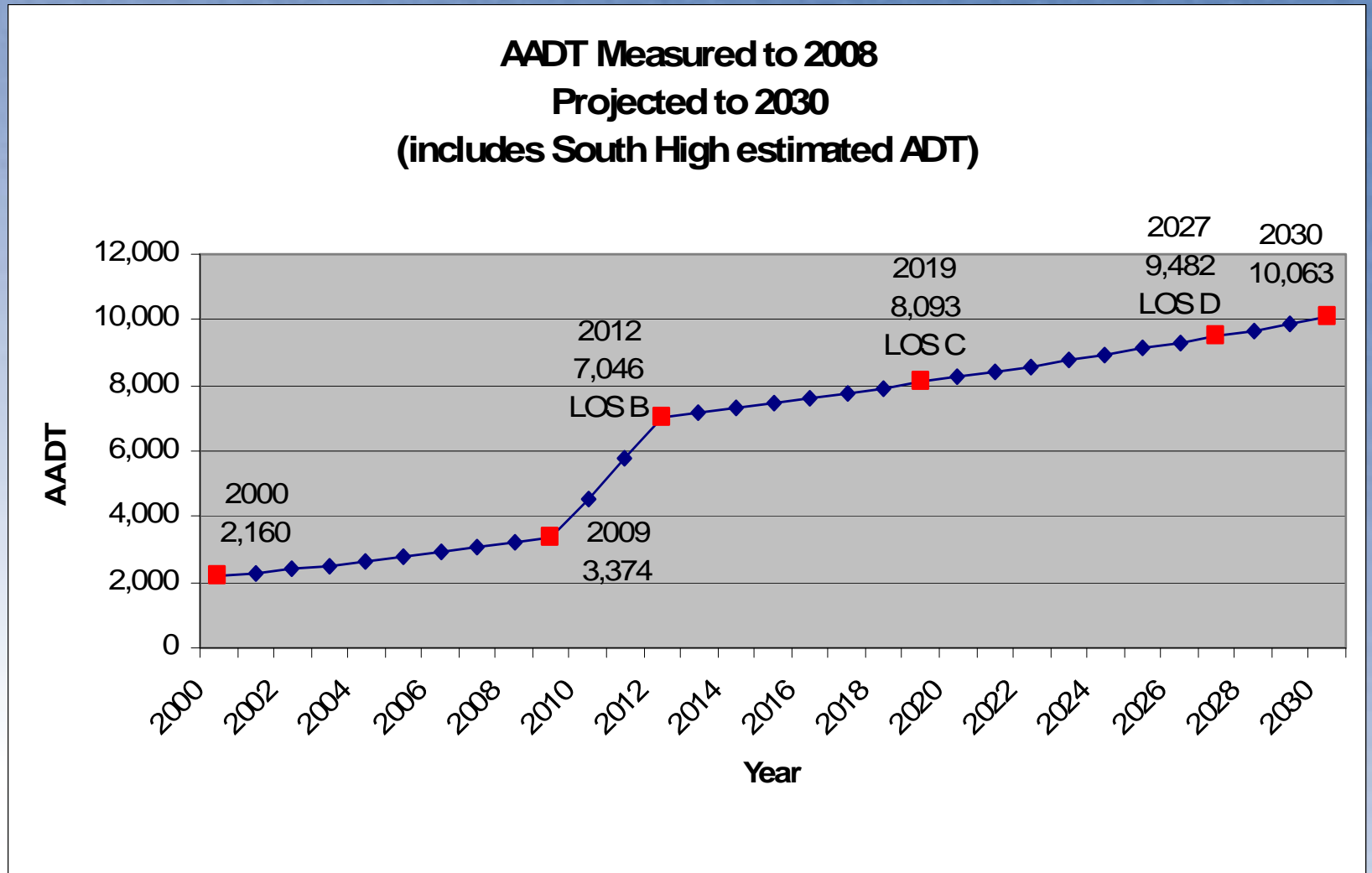
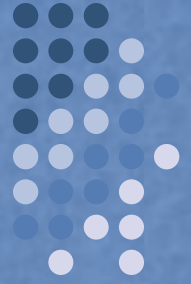


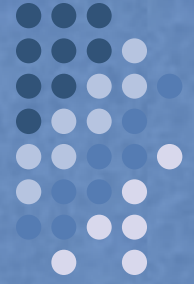
Level Of Service (LOS) is a gauge of the adequacy of transportation facilities to carry a given traffic load. Similar to grades in school, LOS is scored using letters from A to F, where A represents the best conditions and F represents failure.



Allison Road Corridor Projected Traffic Growth to the year 2030

(using the Plan Cheyenne criteria of LOS)



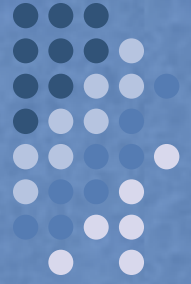


Moving on...

**Allison Road Corridor Study
Design Elements**

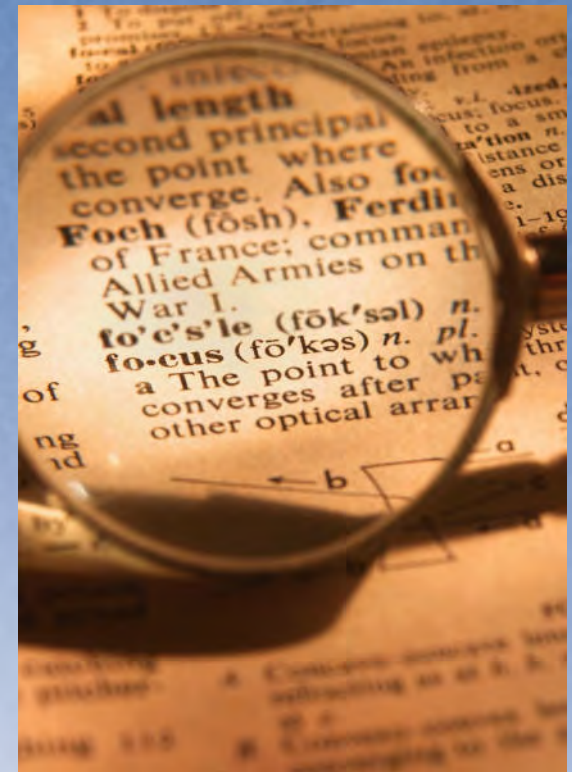


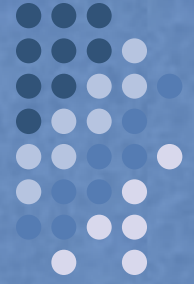
Corridor Study - Primary Focus



Evaluation and selection of:

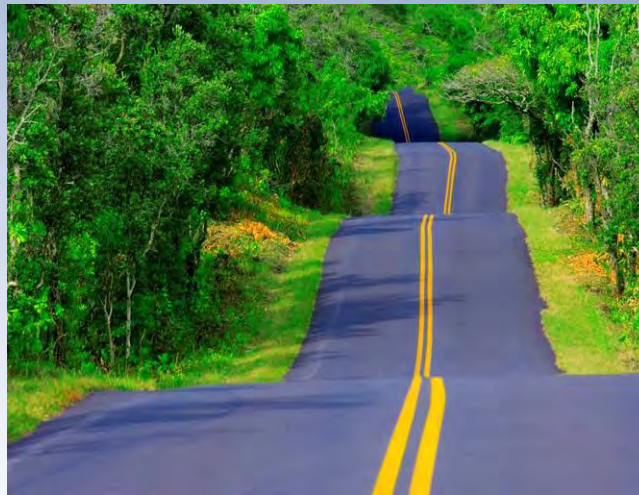
- 1) Road Alignments
- 2) Right of Way Required
- 3) Road Sections



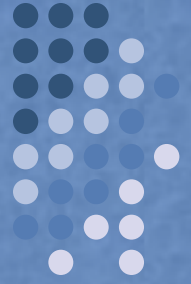


1. Road Alignment Options

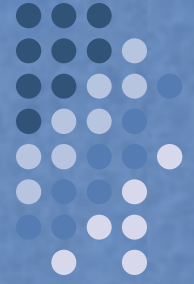
- **“Evaluate Connections to Parsley Blvd.”**
- **Use existing connections at Pinto Lane (part of South High Improvements) and West Jefferson Road. (no additional ROW required)**
- **Connect West Allison Road through existing neighborhood.**



Connection To Parsley Boulevard



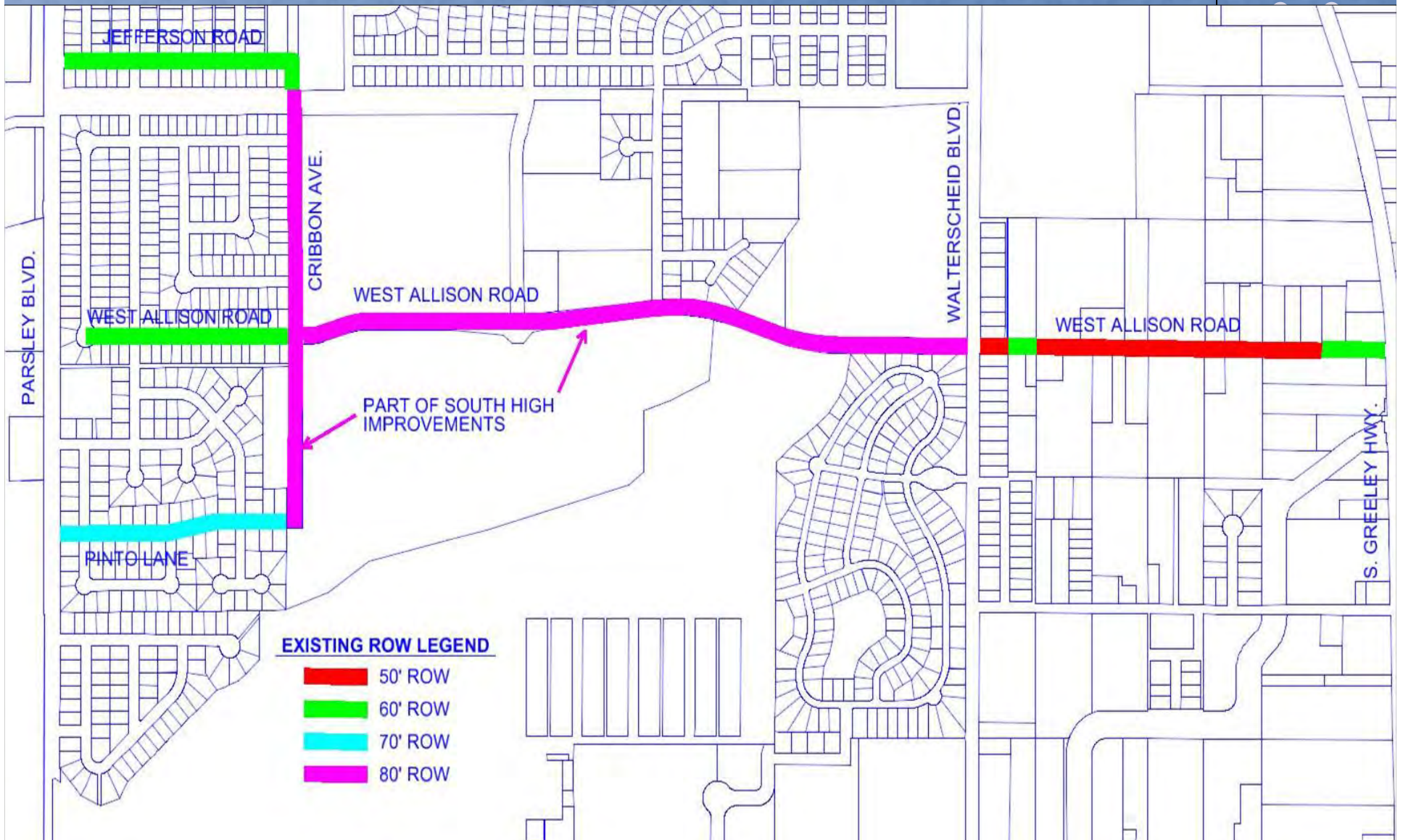
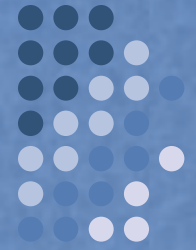
2. Right of Way Width Options



- **Current City and County street standard is 80' for Collector Street**
- **80' right of way (more impact and cost)**
- **65' right of way (less impact and cost)**
- **Varying Right-of-Way width**

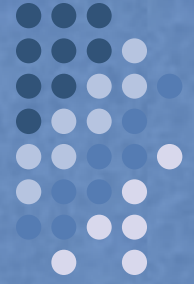


Existing Right-of-Way Map & Areas of Focus

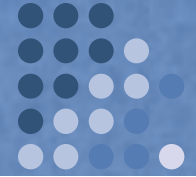


3. Road Section Alternatives

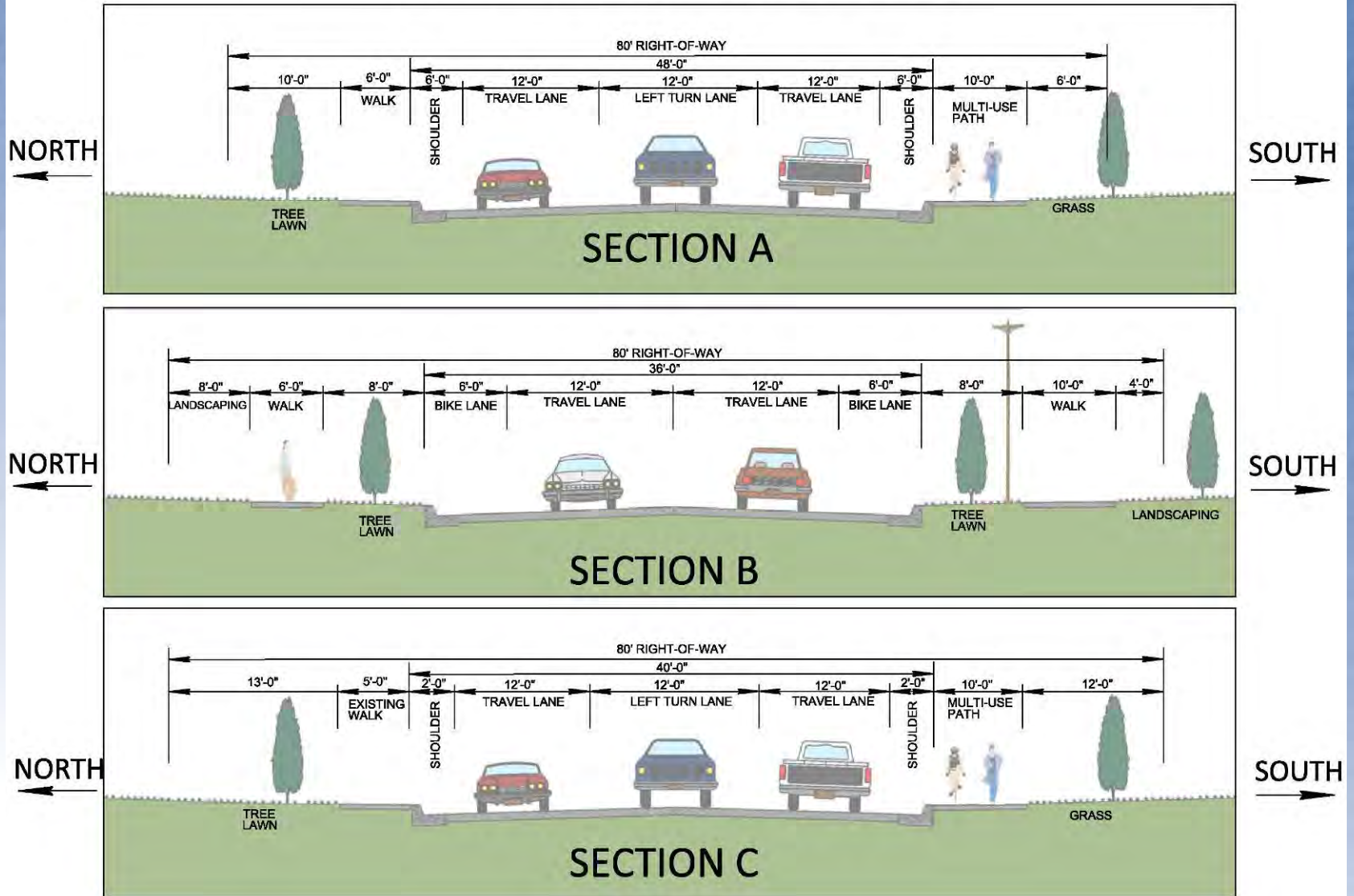
- **80 ft Road Section - more impact to existing parcels**
 - 36 ft. of pavement (2 travel lanes with shoulders)
 - Detached 10 ft multi-use path and 5 ft sidewalk
 - Landscaped tree lawns on both sides
 - Extensive acquisition of right-of-way required
- **65' Road Section – less impact to existing parcels**
 - 36 ft of pavement (2 travel lanes with shoulders)
 - Attached 10 ft multi-use path
 - Detached 5 ft sidewalk
 - Landscaped tree lawn on north side only
 - Less right-of-way would have to be acquired as properties re-develop
- **Variable Section - Combination of the above two options requiring some additional right-of-way and some impacts to existing parcels.**



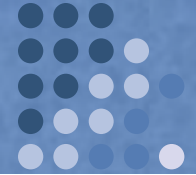
80 FT Road Section



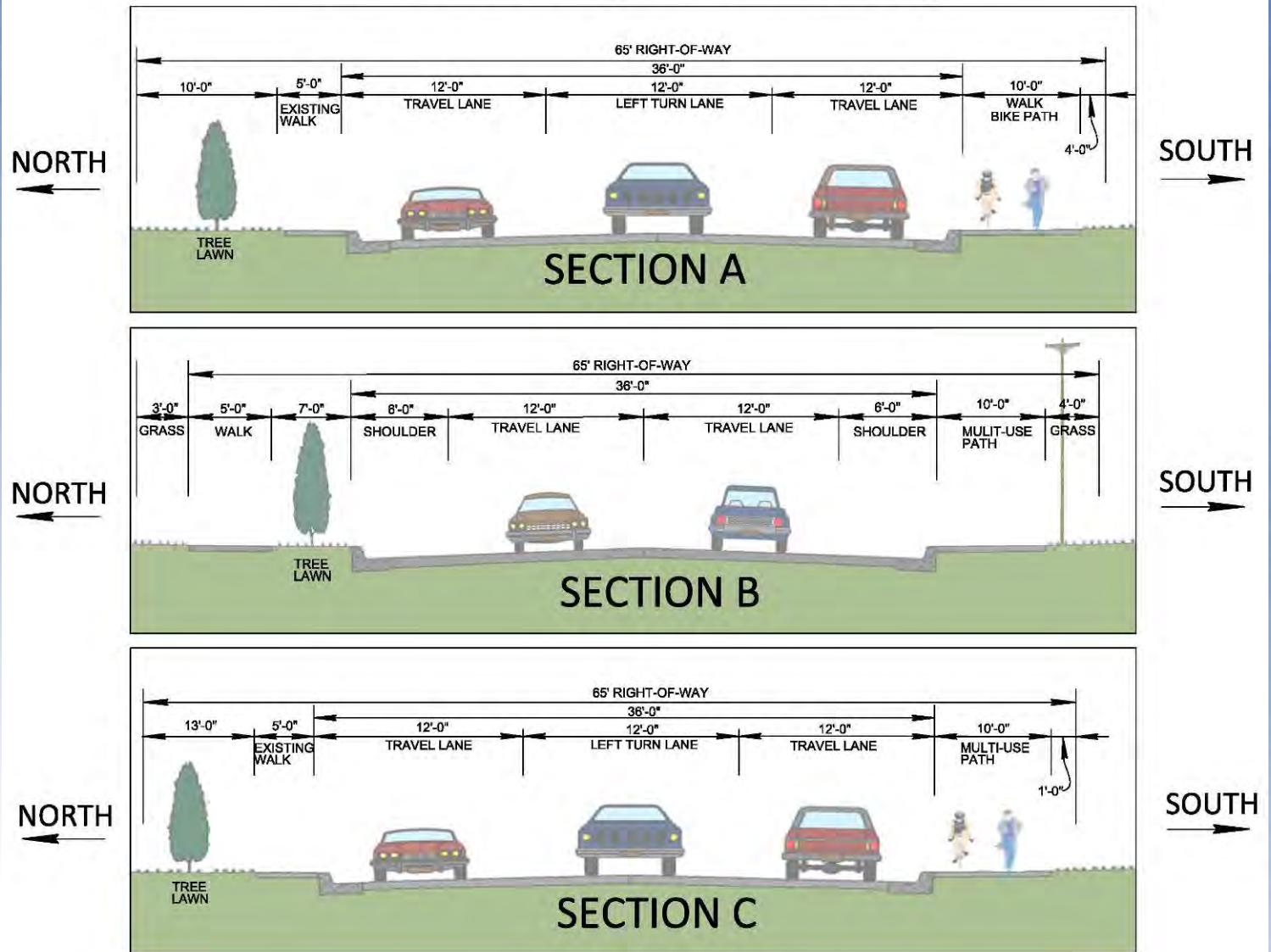
OPTION 1 (80' R.O.W.)



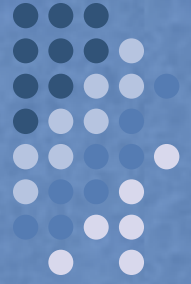
65 FT Road Section



OPTION 2 (65' R.O.W.)



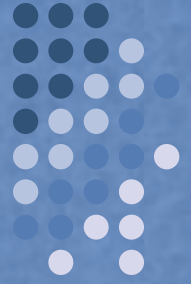
West Allison Road at Johnson Jr. High



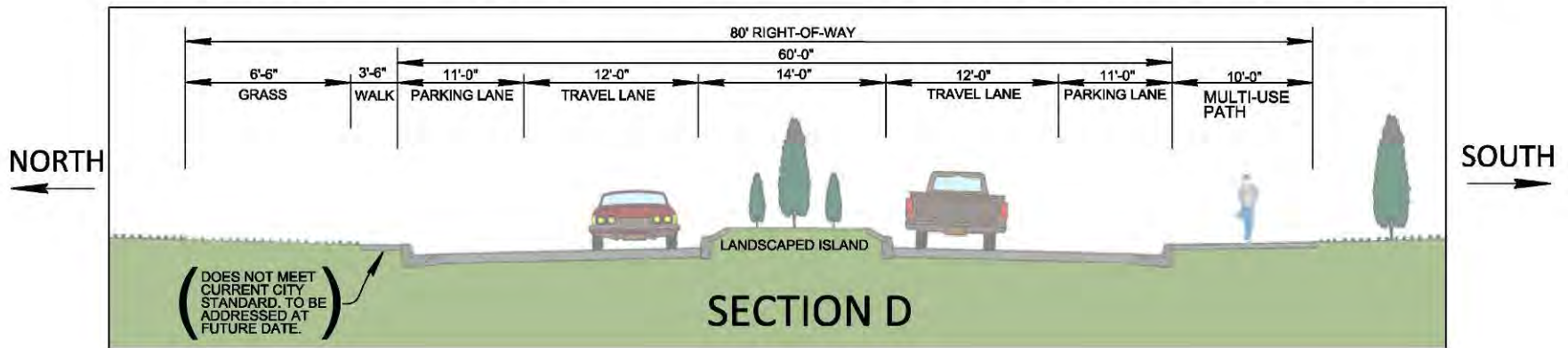
- Large Expanse of pavement (60') with straight alignment
- Students crossing between schools



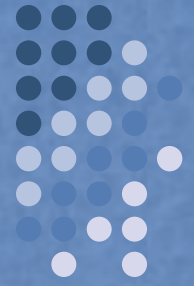
Streetscape Improvements Along Allison Road In front of Johnson Jr. High



POTENTIAL STREETScape IMPROVEMENTS ALONG JOHNSON JR. HIGH



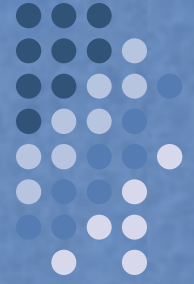
Additional Focus Items:



- 1) Public Concerns
- 2) Drainage Improvements – offsite work
- 3) Greenway trail continuation
- 4) Johnson Jr. High driveway
- 5) Project Schedule



1. Public Concerns

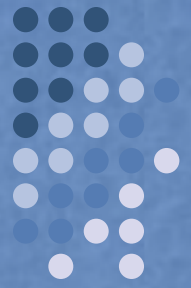


Top Three Allison Road Corridor Concerns

Based on Questionnaire from first open house

- Overall Safety (pedestrian, bicycle & vehicle)
- Vehicle Speed
- Traffic Volume Increase

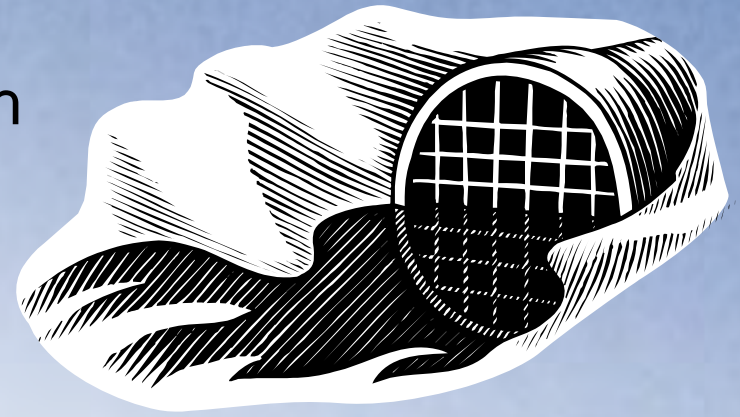




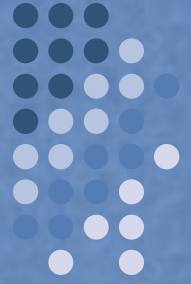
2. Drainage Improvements

Drainage Improvements consist of:

- Change from rural to urban road section
(Addition of curb, gutter and Sidewalk)
- South High School Improvements
(Storm Sewer between Desmet and Walterscheid)
- Gateway South Development
(Conveyance pipe and ditch to Allison Draw along with detention ponds)
- Potential outfall via Gateway South
(Conveyance of Allison Road runoff to Allison Draw)

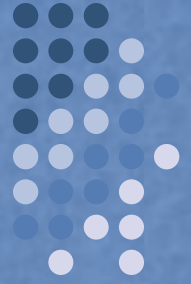


Gateway South Drainage Improvements

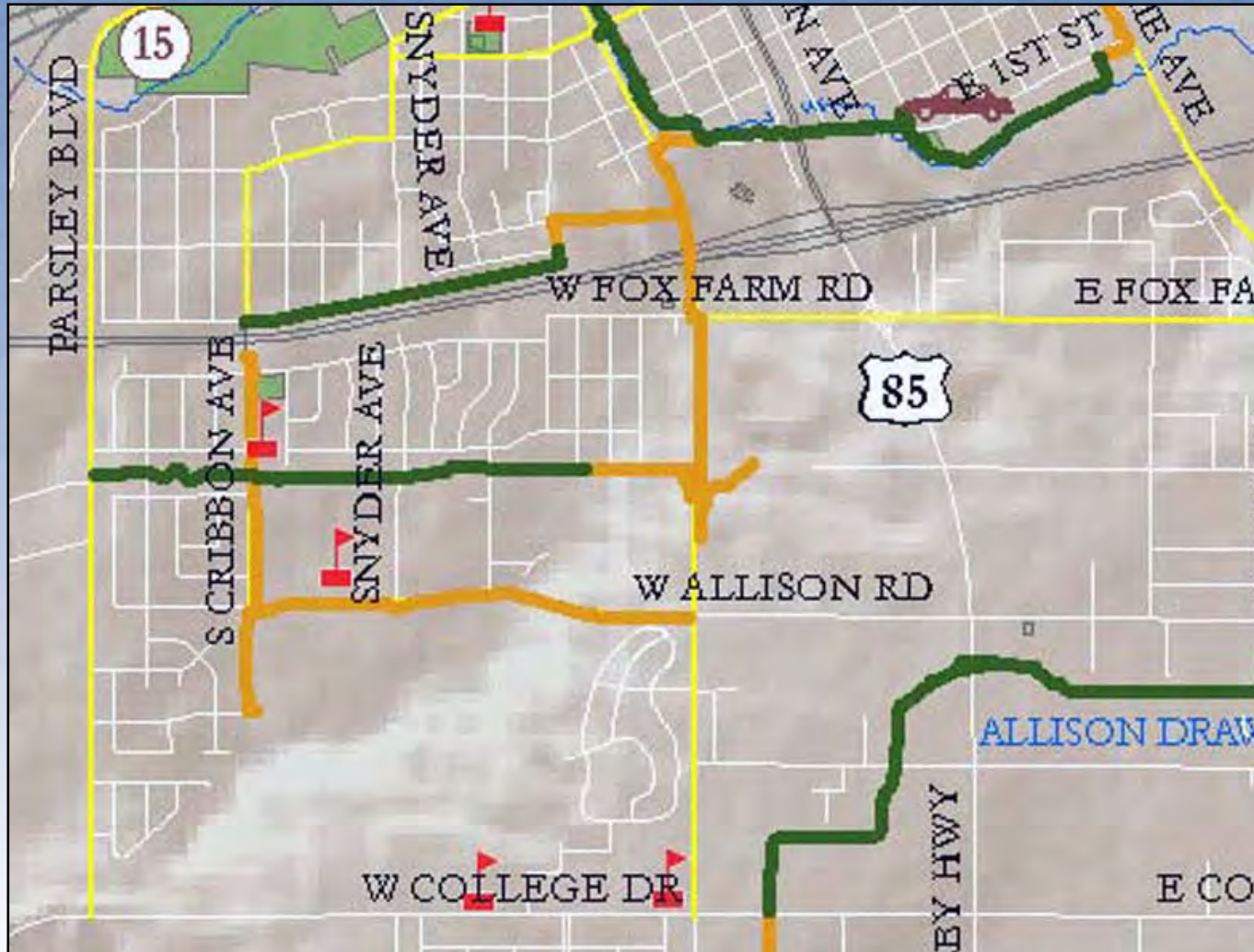
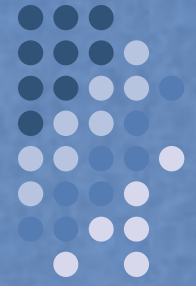


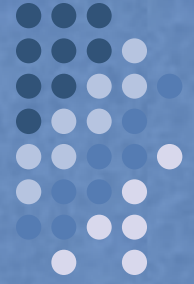
3. Greenway Path Continuation

- **Greenway Trail is being extended along Allison Road from Cribbon Ave. to Walterscheid Blvd. (South High Improvements)**
- **Extend Greenway trail from Walterscheid to Greeley Hwy, coordination between the City and County will be required.**



Existing Greenway Path



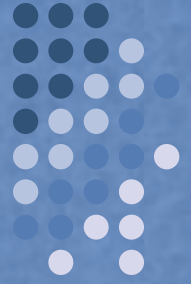


4. Johnson Jr. High Driveways

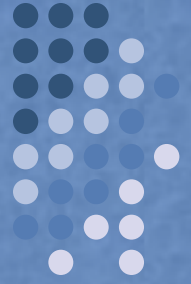
- Review of potential problems with current exit location onto West Allison Road as traffic volumes increase with the addition of South High School.
- Evaluation of possible second exit onto Cribbon Ave.



Johnson Jr. High Driveways



5. Project Schedule (2009)



August	Second Public Open House Drainage Basin Study MPO Meeting –final report draft Steering Committee Meeting
October	Third Public Open House MPO Meeting – submit final report and plans Cheyenne Planning Commission Meeting Laramie County Planning Commission Meeting Cheyenne City Council Meeting
November	Laramie County Commissioners Meeting

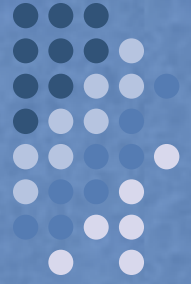


Note: Final design, permitting and construction are not yet scheduled.



Questions /Comments

Please provide Feedback

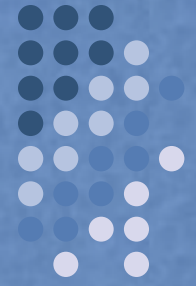


Contact Information

City of Cheyenne, MPO office
Nancy Olson, Transportation Planner
307-638-4366

Western Research & Development, Ltd.
Gary Grigsby, PE & LS
307-632-5656





Thank you

Western
Research & Development, Ltd.
Civil Engineers  Land Surveyors

