

# Active Transportation Recommendations

City of Salem, SD

# Pedestrian Safety

Tucker Antonsen

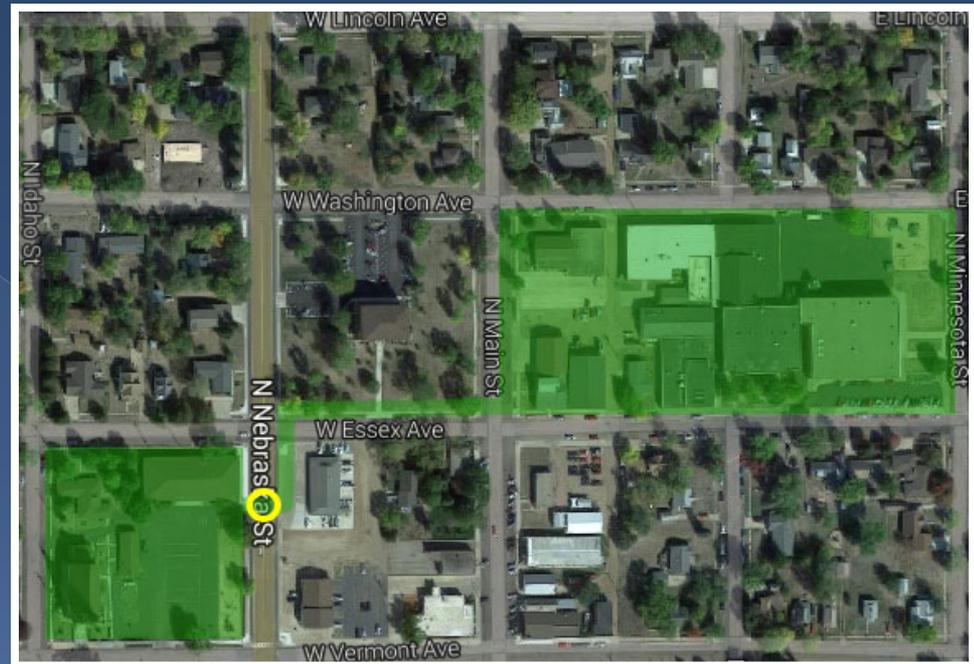
# Pedestrian Safety

- ž High Volume Roads
- ž Crosswalks
- ž Improving Street Lighting
- ž Bike Lane Signage and Education

# High Volume Roads

## Highway 81

- ž The current issue is that there is not a safe designated area for pedestrians to cross
- ž To resolve this issue a pedestrian light will be installed on Highway 81 in between the Essex Ave. and Vermont Ave.
- ž Reasoning
  - › Doesn't conflict with any surrounding intersections
  - › Centrally located between the two schools, connecting them
  - › Provide a safe route to cross the street without interfering with traffic



# High Volume Roads

## Highway 81



# High Volume Roads

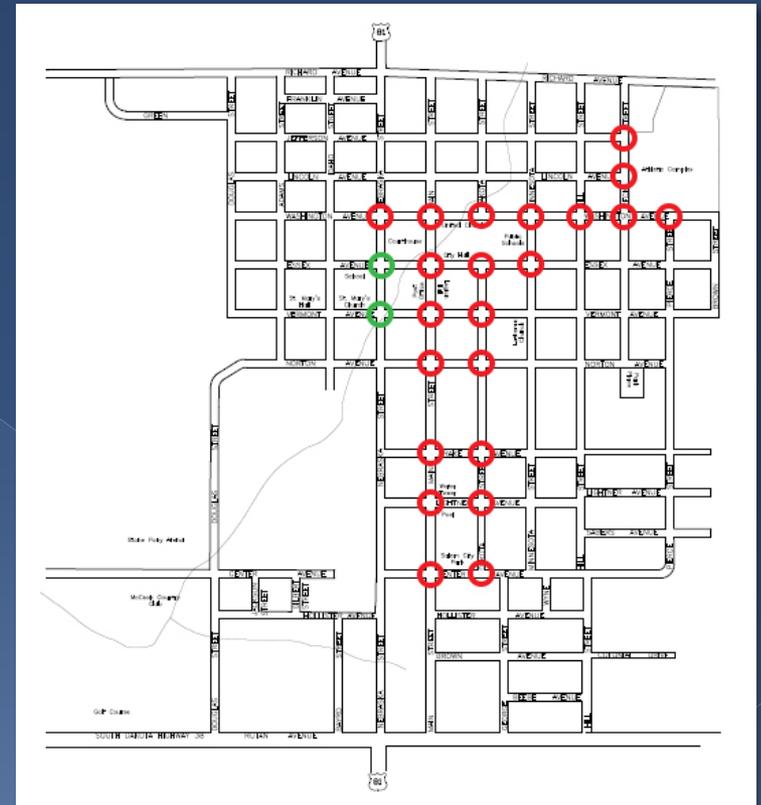
Highway 81, Highway 38, and Richard Ave.

- ž The main concern on these high volume roads are the pedestrians safety
  - › Schools
  - › Sports complex
  - › The City Park with the pool in the summer time
- ž Issues include:
  - › Speed
  - › Lack of Signage
- ž How to improve this area
  - › Increase awareness for people on the road by using proper pedestrian signage
  - › Reduce speed



# Crosswalks

- ž There is a lack of connectivity in Salem through sidewalks
- ž A crosswalk is a designated area, where pedestrians can cross the street safely
- ž The map to the right shows where these crosswalks need to be introduced
- ž These locations work with the popular streets that connect major facilities in the town of Salem
- ž Helps the people get from point A to point B safely
- ž In these locations, along with the crosswalk there will be signage indicating the presence of pedestrians



Green symbols indicate where there are currently crosswalks and the red symbols indicate where crosswalk need to be put in place

# Street Lighting Improvement

- ž There are areas of improvement dealing with Salem's street light system
  - › Poor lighting
  - › Adding additional lighting where it is needed and on longer streets
- ž Moving forward, we recommend adding lighting where it is needed and replacing all fixtures with LED lights
- ž Areas to focus on first include
  - › Sections of the road with bike lanes
  - › Around main facilities
  - › Intersections with crosswalks for pedestrian safety.



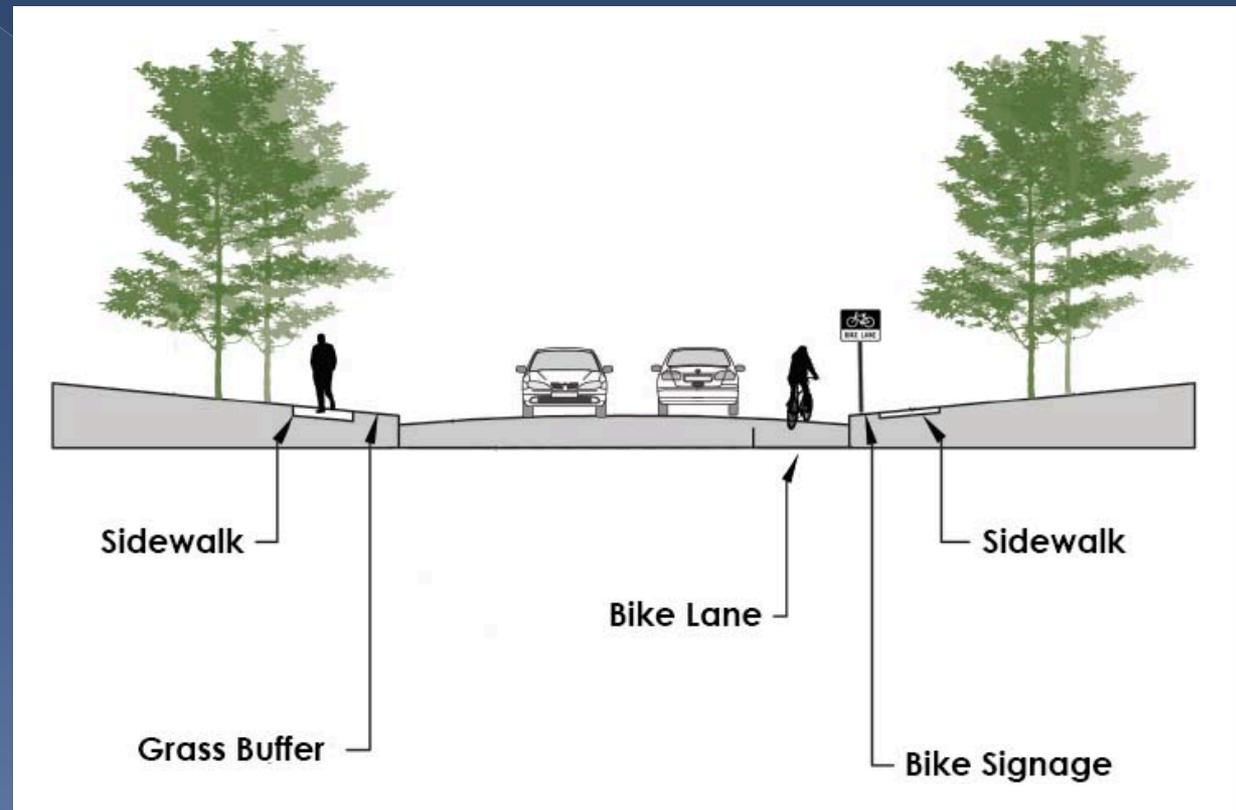
# Bike Lane Signage and Education

- ž With the installation of bike lanes, there needs to be proper education
- ž Bike lane awareness
  - › Appropriate signage for the drivers and bicyclist
  - › Have designated lanes for bicyclist; painted lines acts as a buffer
  - › Educate the people behind the wheel though driving exams
  - › Establish educational programs through Park and Rec. similar to "Safety Town" and "Don't Thump Your Melon"



# Bike Lane Signage and Education

- ž Two-Way Street
- ž Sidewalk
- ž Bike Lane
  - › Signage
  - › Direction of Riding
- ž Side Street Parking
- ž Grass Buffer



# Bike and Pedestrian Pathways

Slade Mutchelknaus

# Intent

- ž Improve connectivity
  - › Fill in gaps where sidewalks are missing
  - › Better link popular destinations (schools, parks, & commercial regions)
- ž Establish a safe atmosphere throughout the city
- ž Promote & advance the opportunities for active transportation
- ž Enhance the community aesthetics & possibly the economy

# Walk/Bike Lanes

- ž Creates a division of vehicular traffic & pedestrian traffic on the street itself
- ž Still provides a safe space for walkers & bikers to travel
- ž Implementing **bollards** more physically separate the traffic



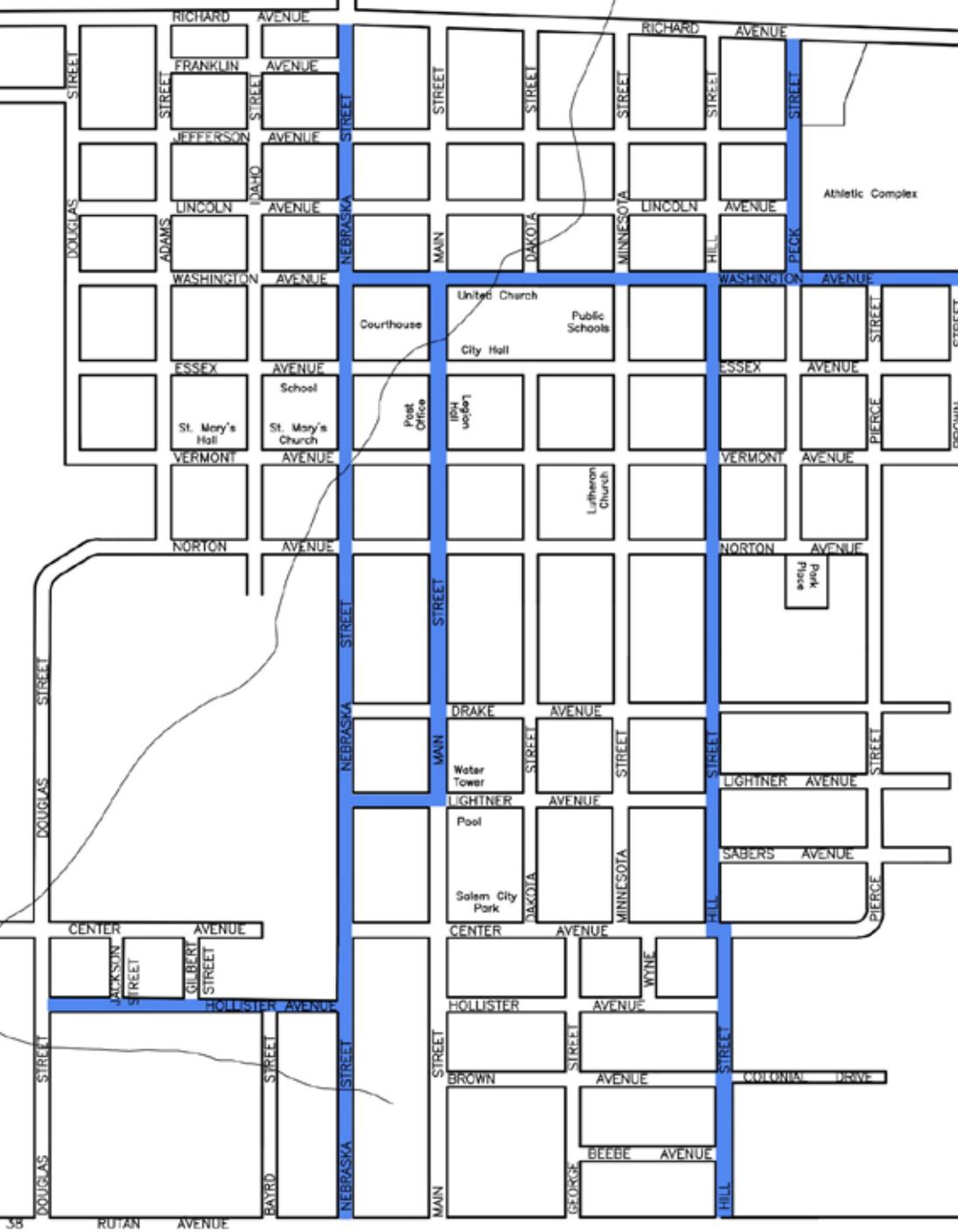
# Walk/Bike Lanes

- ž Painted lines also create an effective buffer
  - › simple, faster installation, cheap alternative



# Walk/Bike Lanes

- Recommended streets to implement lanes
- Connectivity to popular destinations
- Clear simple paths connecting each side of the city North & South as well as East and West
- Provides safe environment in which to actively travel



# Sidewalks

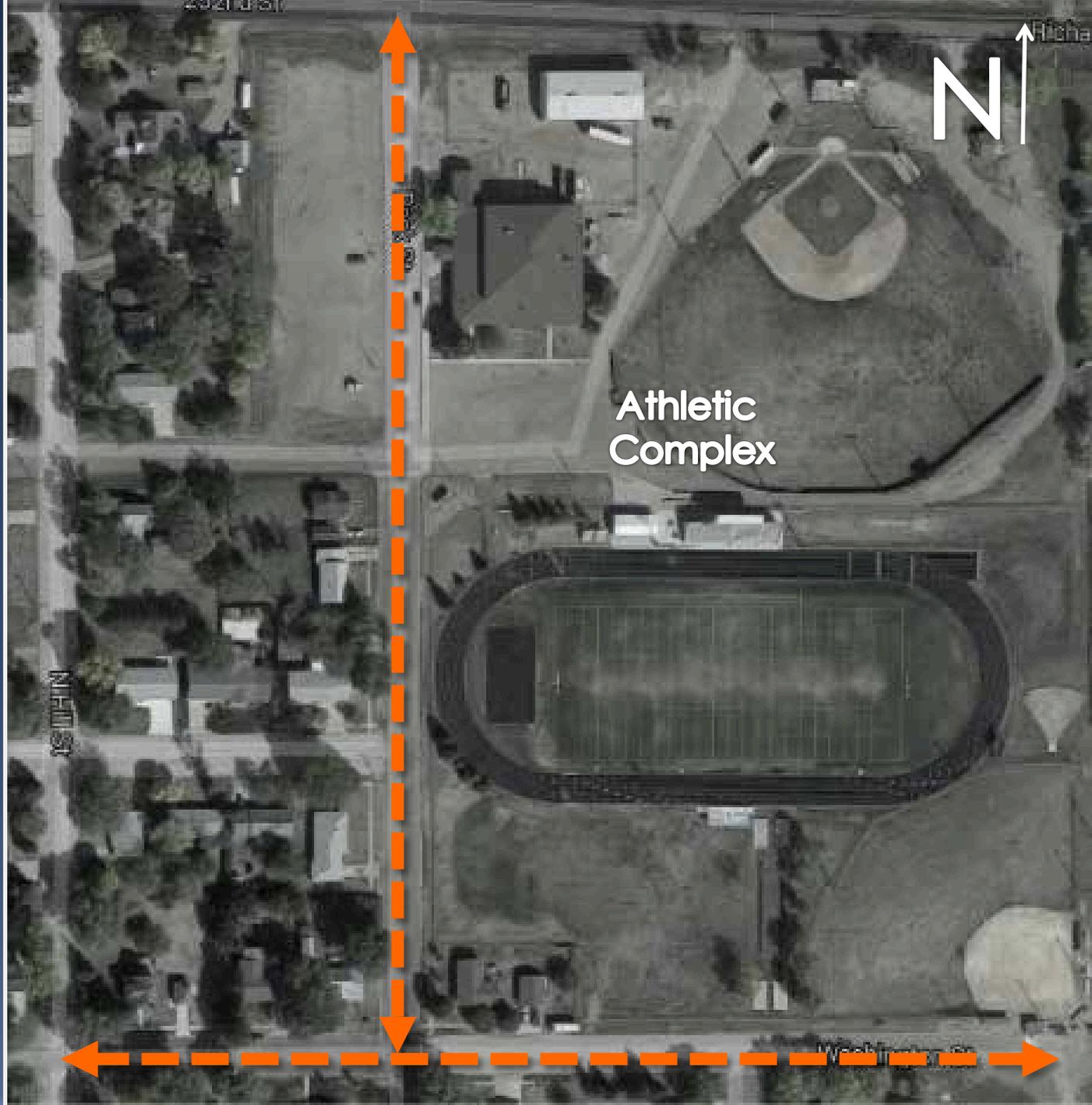
- ž Safety
- ž Accessibility
- ž Continuity
  
- ž Existing Landscape
- ž Adequate Travel Width
- ž Quality of Place
  - › Social space & aesthetics



## High Concern Segments

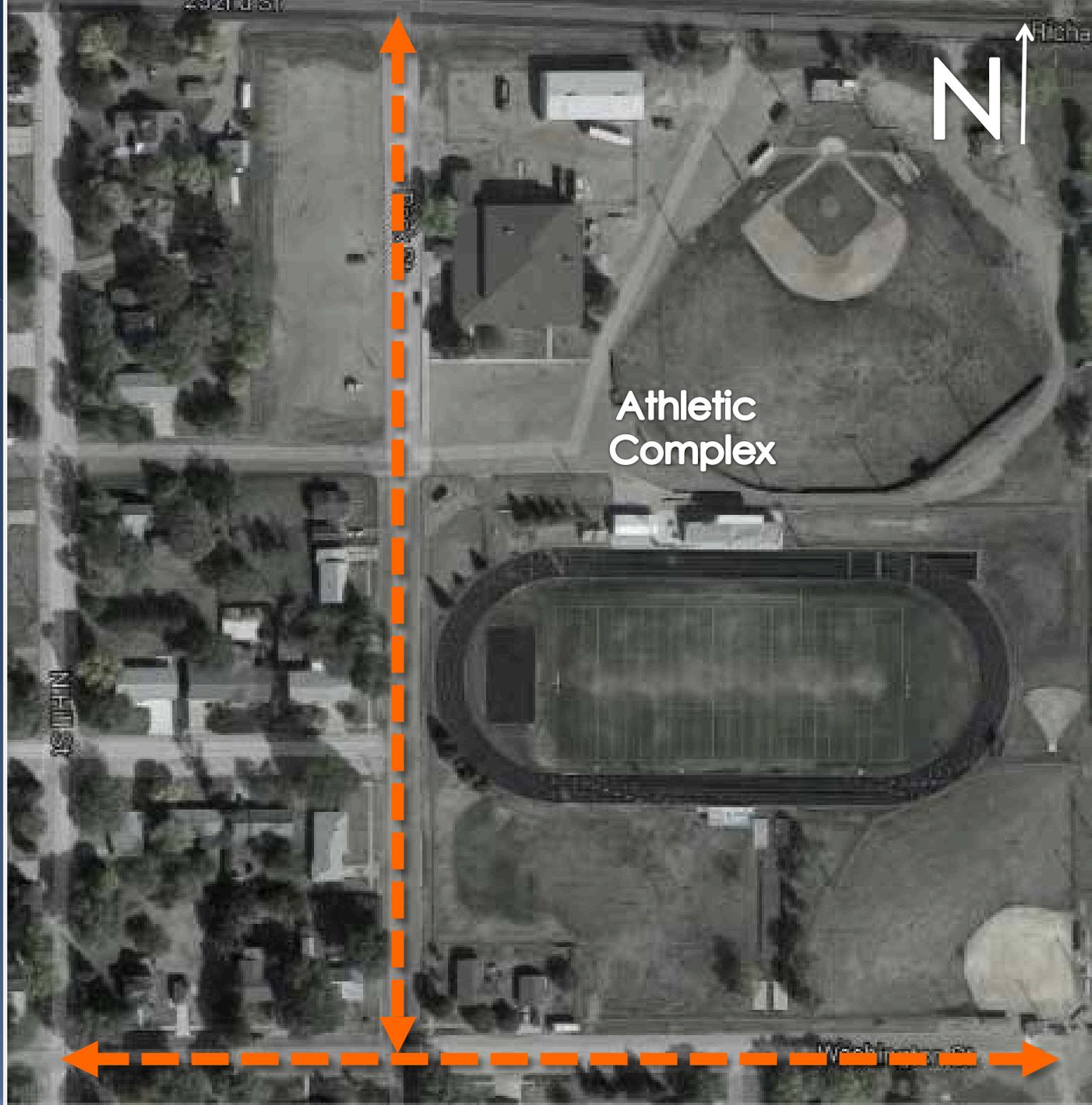
- Complete connectivity of Nebraska Street
- Connecting to businesses & crossing HWY 38 to T&C's convenience store
- Paving of Hollister Avenue
  - Creates safer route to the McCook Country Club

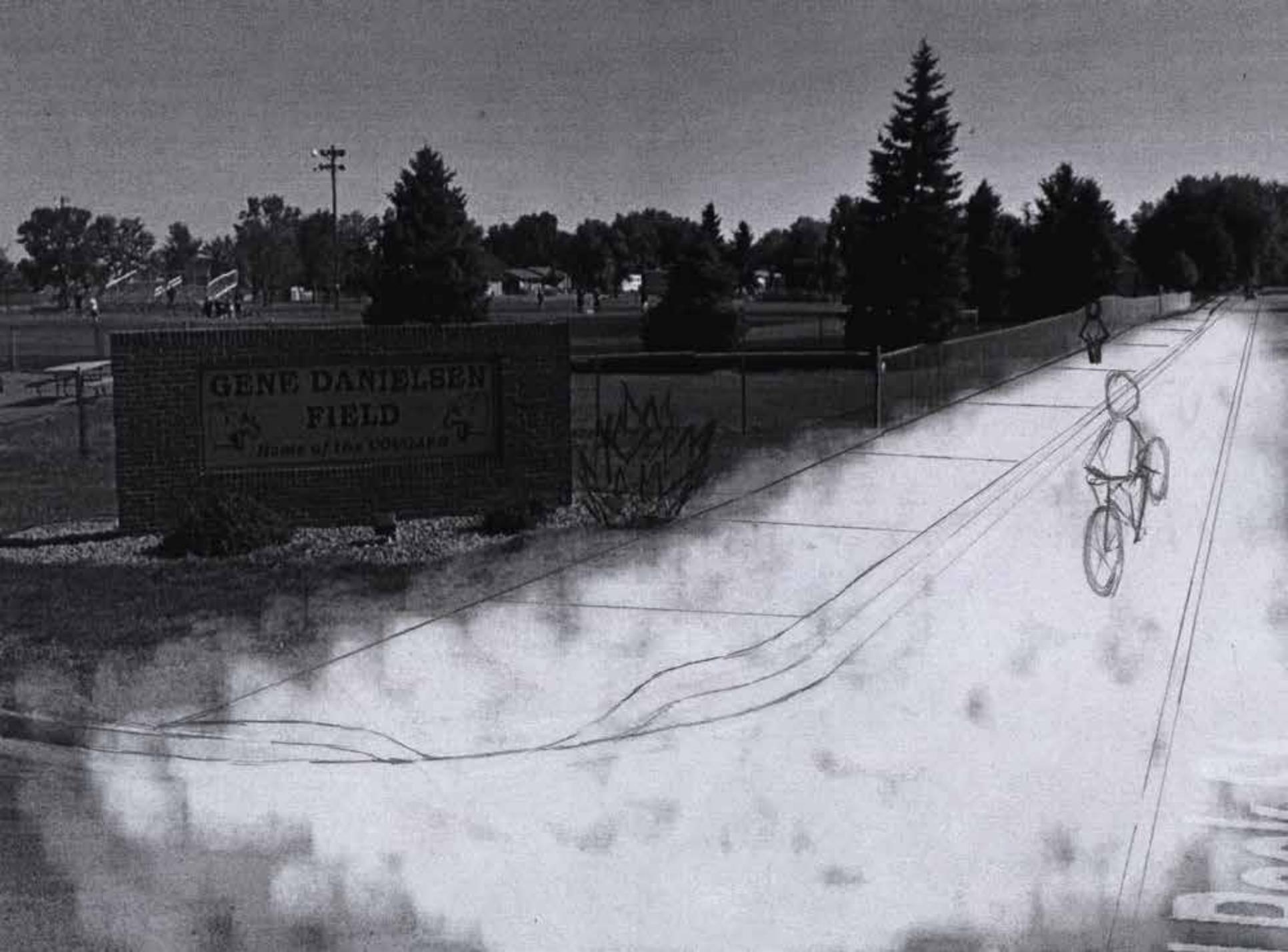




# Medium Concern Segments

- ž **Enhance the link from the pool/park to stores on Main Street and the McCook Central schools.**
  - › Installation of sidewalks on the east side of Main Street from Lighter Avenue to the existing sidewalk on Norton Avenue
- ž **Improve the connection from the McCook Central schools to the athletic complex.**
  - › Implement sidewalks in the missing gaps on the north side of Washington Avenue until reaching softball field's plaza
- ž **Further increase connection to other areas of the athletic complex and armory.**
  - › Sidewalk added on East side of Peck Street





GENE DANIELSEN  
FIELD  
HOME OF THE COLLETS

# Low Concern Segments

- ž Currently well connected
- ž Vital to active transportation
- ž Maintenance & preservation
- ž Options/opportunity for safety & improvement in qualities



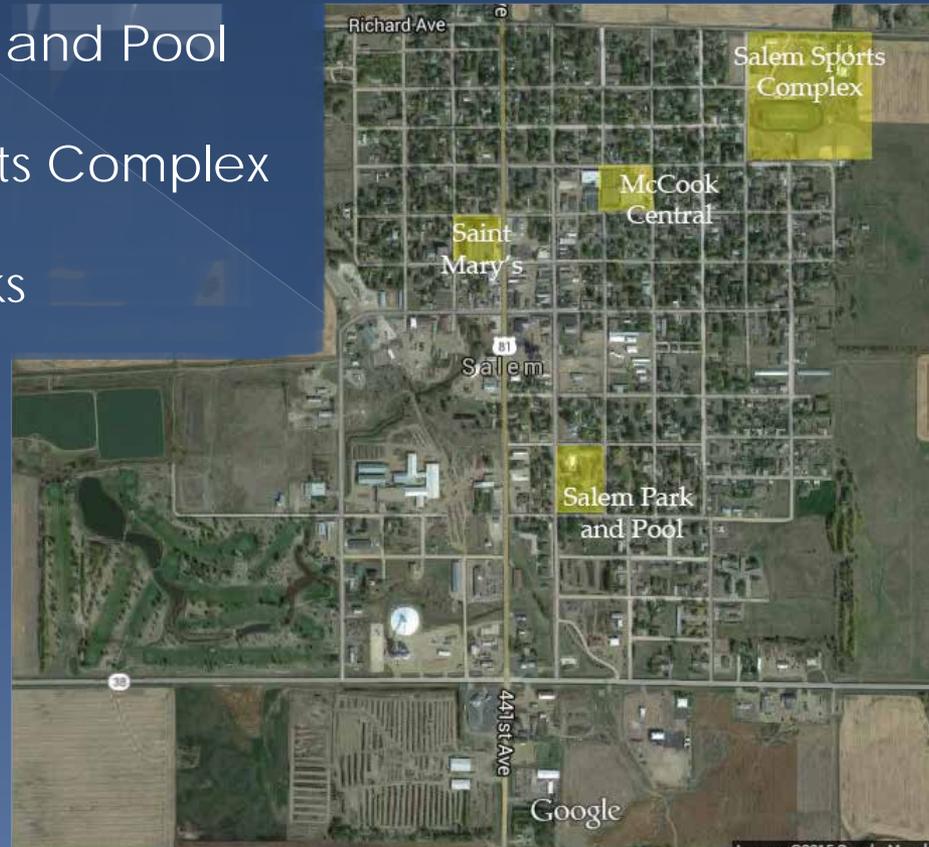


# Parks and Recreation Renovations

Joe Simpson

# Overview

- ž Salem Park and Pool
- ž Salem Sports Complex
- ž School Parks



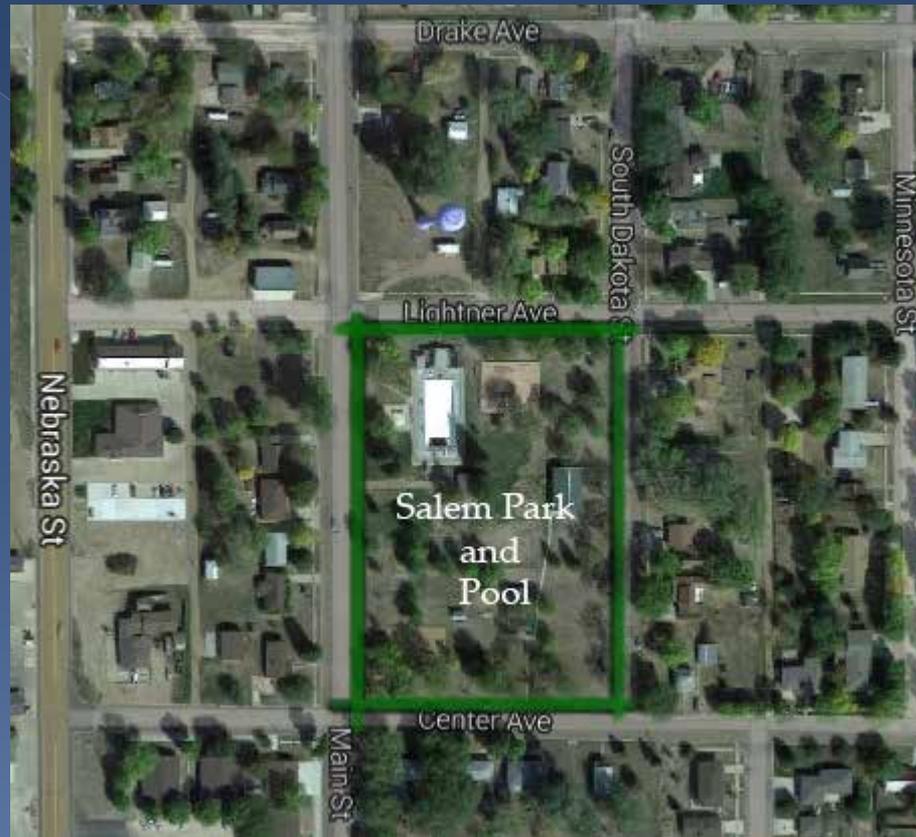
# Salem Park and Pool

## Key Aspects

- ž Central location
- ž Large area
- ž Popular town attraction

## Design Changes

- u Playground relocation
- u Interactive water feature





# Salem Sports Complex

## Key Aspects

- z Serves Community well
- z Very popular among residents

## Design Changes

- u Pedestrian scale lighting corridor





# School Parks

## Key Aspects- McCook Central

- u Sufficient play equipment
- u Large area

## Key Aspects- St Mary's

- u Sufficient play equipment
- u Long and narrow

## Design Changes

### Turf grass area

- > Benefits-
  - Safety, noise reduction, aesthetic beauty



McCook Central



Saint Mary's

# McCook Central



# St. Mary's



# School Parking

Geoff Langland

# Development of Parking Lot

- Location: This is the lots that were Purchased by school district
- Green highlighted area is the two lots
- Lots dimensions are two 66' x 165' lots making a total of 21,780 square feet for development



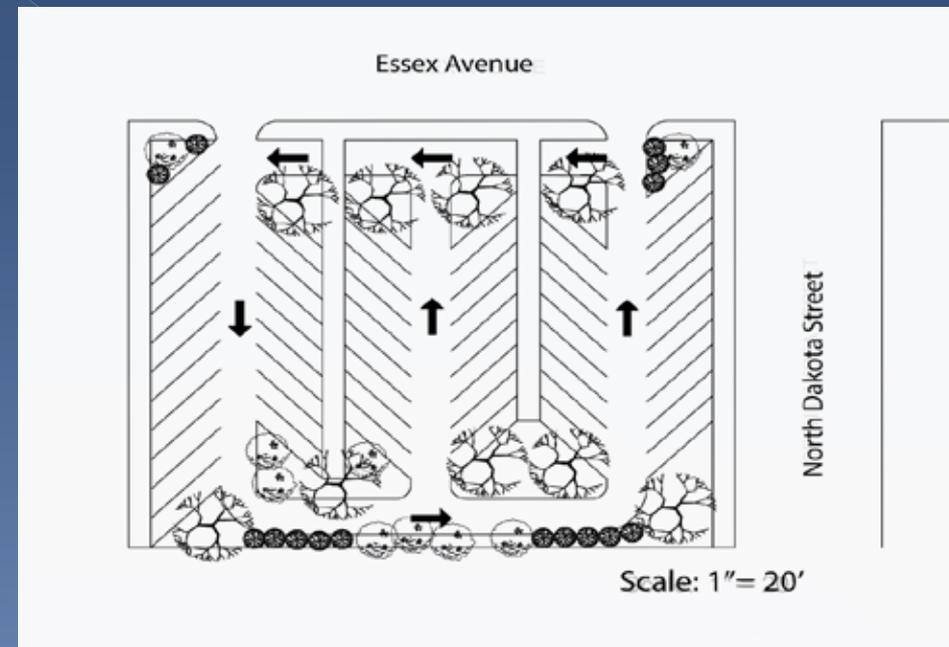
# Development of Parking Lot

- ž Google image shows the location in a better view
- ž Yellow highlighted area is where the current lots that were purchased sit
- ž The blue highlighted area is an alley that can be used for an entrance to the parking lot
- ž Just to the north across the street is the school



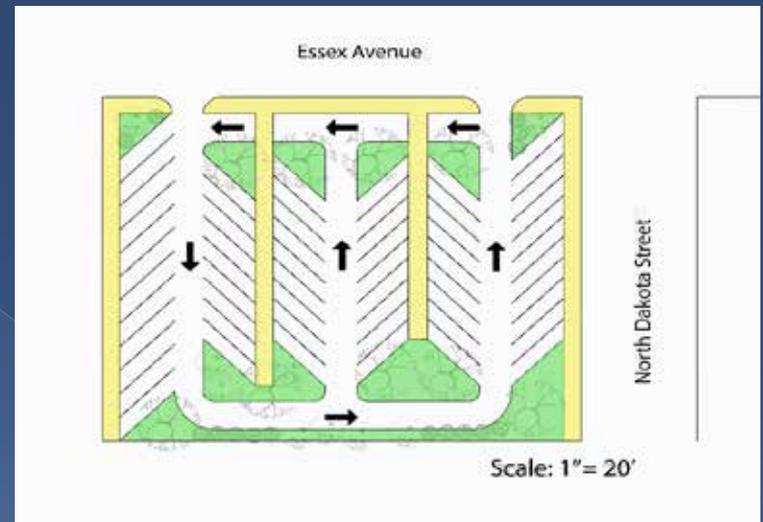
# Development of Parking Lot

- ž This is a layout of the parking lot
- ž Has as much functional use in the lots that were provided
- ž 59 parking spaces which is roughly half of the school population
- ž Located near the school



# Development of Parking Lot

- ž Allows vehicles to circulate parking lot
- ž Sidewalks (Yellow) in middle are 10 feet wide to allow plenty of room for pedestrians to walk safely in middle
- ž Raised sidewalk to force vehicles to slow down
- ž Plantings (Green) used on south side to screen views
- ž Plantings of shade trees to help with heat issues in the summer months



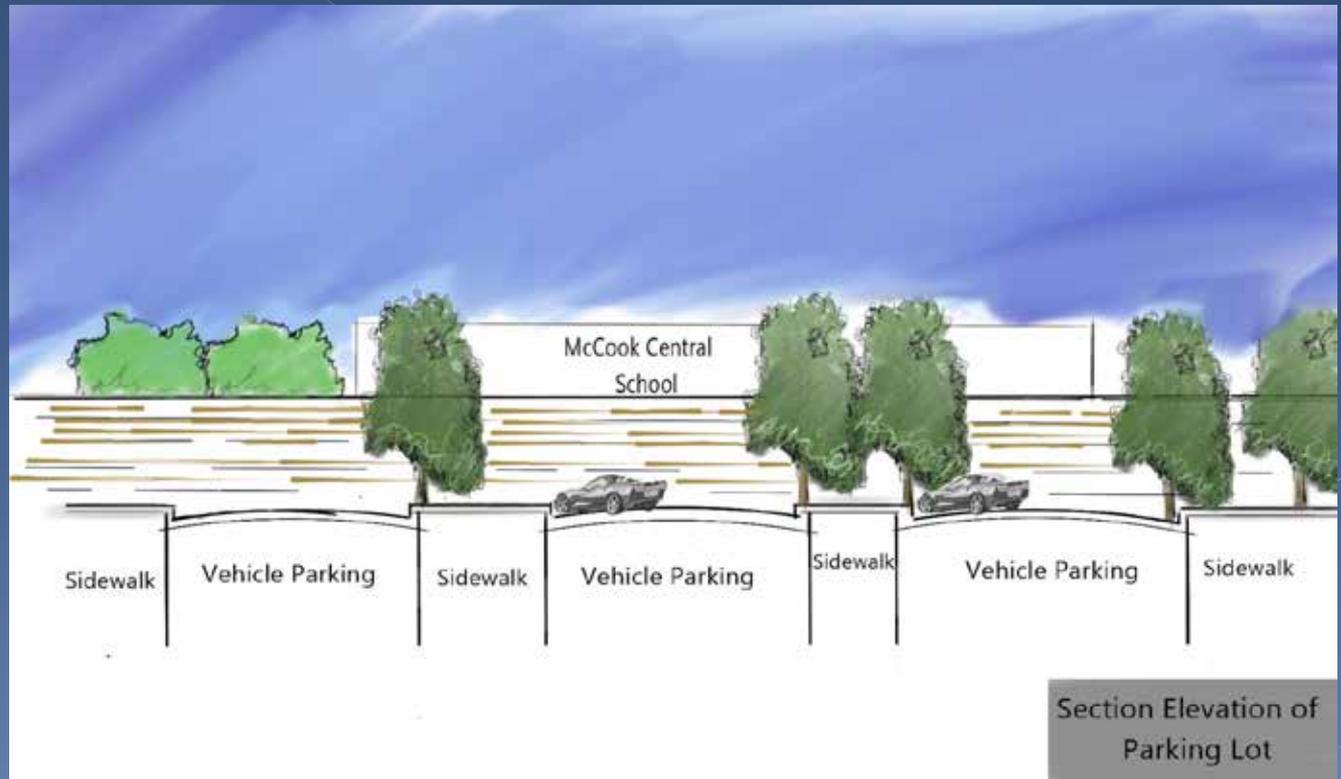
# Development of Parking Lot

- ž Rendered Plan View of Parking Layout
- × Most functional organization with space provided



# Development of Parking Lot

- Section view of parking lot looking toward the front of school



# Wayfinding

Annaliese Hoffman

# Wayfinding basics

## ž Easier to locate

- › School
- › Parks
- › Main Business District

## ž Enhances visitors' experience

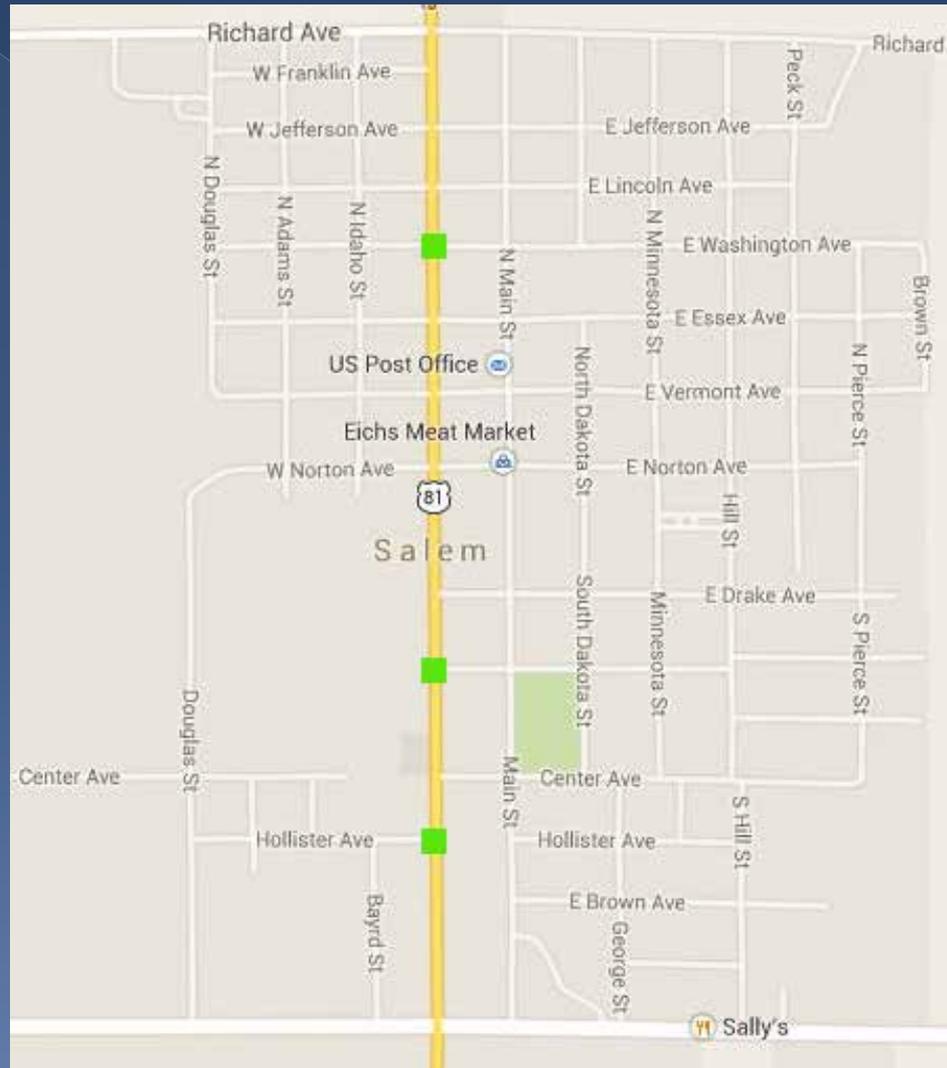
- › "...increases their comfort, builds their confidence, and encourages them to discover unique events, attractions, and destinations on their own." (Flores & Young. Wayfinding: The Value of Knowing How to Get There.)

# Signs

- ž Can incorporate additional panels
- ž Clear, concise, and recognizable



# Sign Locations



# Benefits

- ž Navigation would be easier for visitors
- ž The signage design would be aesthetically pleasing
- ž Wayfinding would reduce stress, discomfort, and disorientation for visitors
- ž Helps direct spectators to sporting events
- ž Will be regularly used and will satisfy its users
- ž Will safely direct traffic to their destination

# Cons

- ž Would be an additional cost for Salem and the community
- ž Salem would need to seek a company that would be able to provide additional panels as the signs are added to



# Developing an Attractive Downtown

Kaitlynn Berwald

# Developing an attractive downtown

- ž Developing an attractive Downtown will reinforce active transportation by **welcoming people** into the Downtown Area, and providing a **pedestrian friendly** environment.
- ž An aesthetically pleasing downtown will provide the city with a **quality environment** for people in the community to **live, work, and play**.

# Improvements to be Made Are:

## ž Adding Trees Provide:

- › Shade and overhead structure
- › Tree coverage gives protection
- › Street trees create vertical walls and frames streets
- › Filters, screens, softens features that often create visual eyesores
- › Benefits businesses



## Widening Sidewalks to create seating space and bike/walk lanes

- ž Pedestrian pathways are easily accessible to everyone.
- ž Increases foot traffic as a result of people feeling comfortable and safe



# Plant material

- ž Add interest, focal points, color
- ž Create boundaries
- ž Benefit Property Owners



# Adding amenities

- ž Benches
- ž Table and Chairs
- ž Trash Receptacles
- ž Bicycle Racks
- ž Signage



# Improve Pedestrian Lighting

- ž Create safety for night time use
- ž Building owners are also encouraged to explore lighting their buildings from the outside, using special lighting techniques



# Downtown Brookings, SD



# Downtown Sioux Falls, SD



# Developing an attractive Downtown

- ž **Invites** and **welcomes** visitors to the Downtown Area
- ž **Increase** pedestrian traffic downtown
- ž **Supports** local businesses by drawing more people in
- ž **Connects** different parts of town by utilizing crosswalks and way finding
- ž **Increases** safety through widened sidewalks, barriers, lighting, and crosswalks.

# Pedestrian Amenities

Marika Cieciora

# WHAT ARE THE BENEFITS OF CHANGING THE CITY?

- ž Creates a sense of community
- ž Growth of the local businesses
- ž Attracts more businesses and people to the city
- ž Green spaces work in mentally restorative ways, improves mood
- ž Improves the image of the city

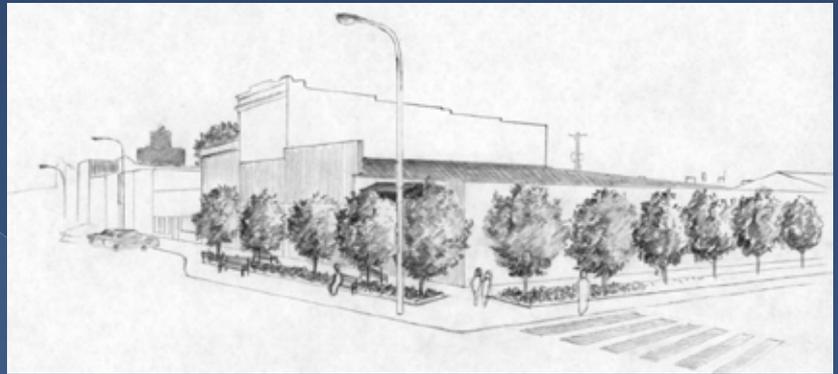
# Vermont Avenue/Main Street



# Vermont Avenue/Main Street



# Vermont Avenue/Main Street

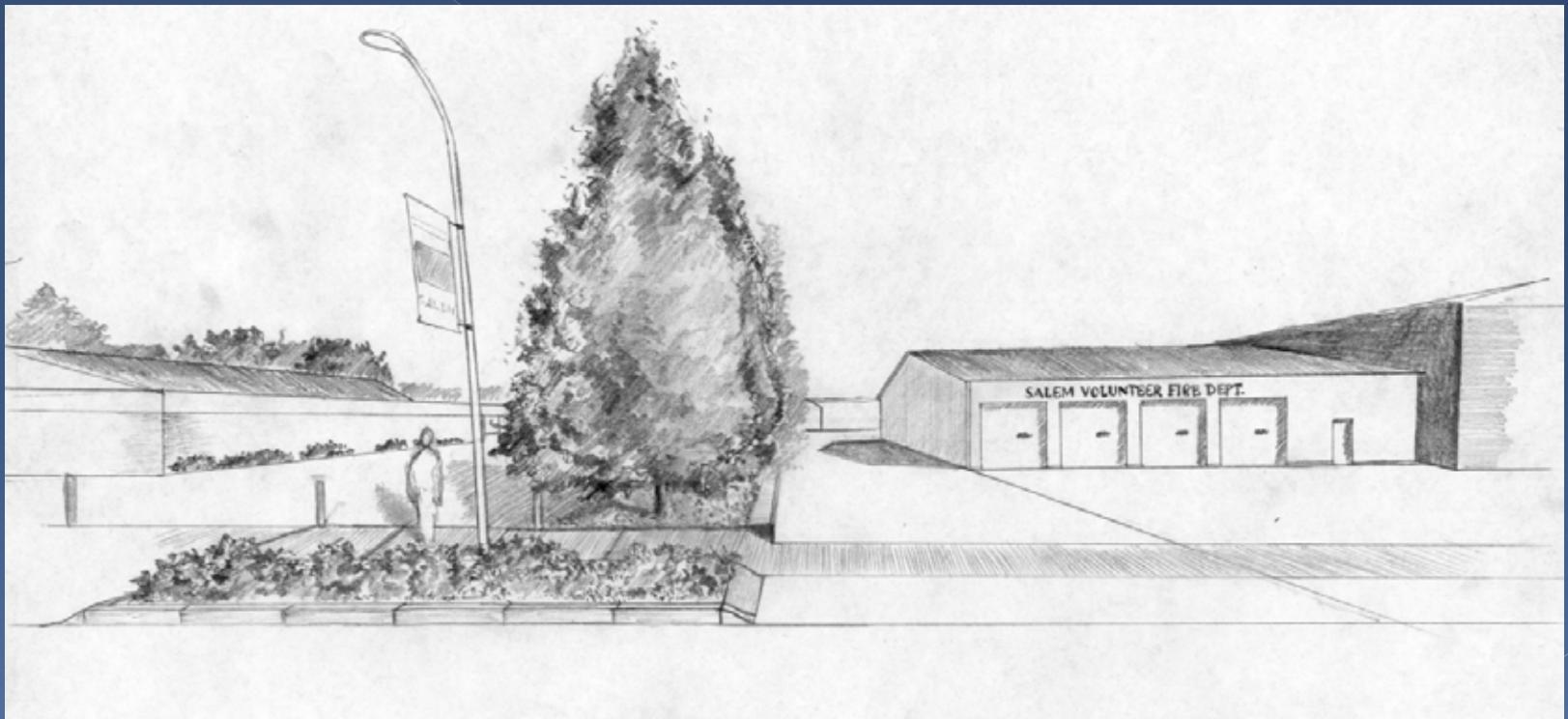


- Creating a gathering space for people
- Extending the sidewalk
- Planting Japanese Tree Lilac and shrubs (Barberry and Potentilla) – mental restoration
- Placing seating spaces and trash cans to keep the site clean
- New cross walk, improving safety
- Attracts local businesses, creates a pleasant atmosphere

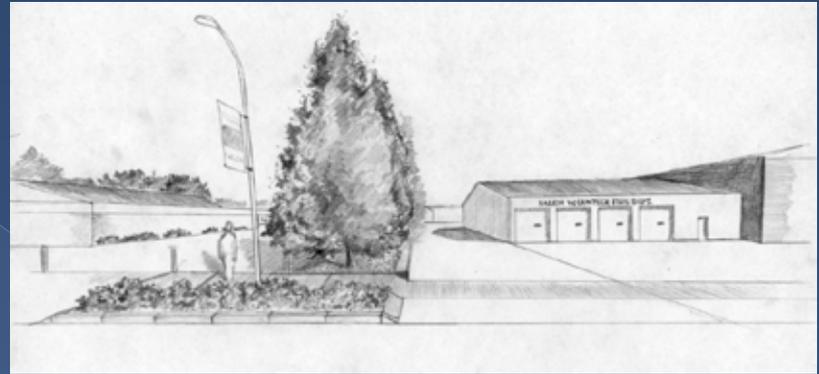
# North Main Street



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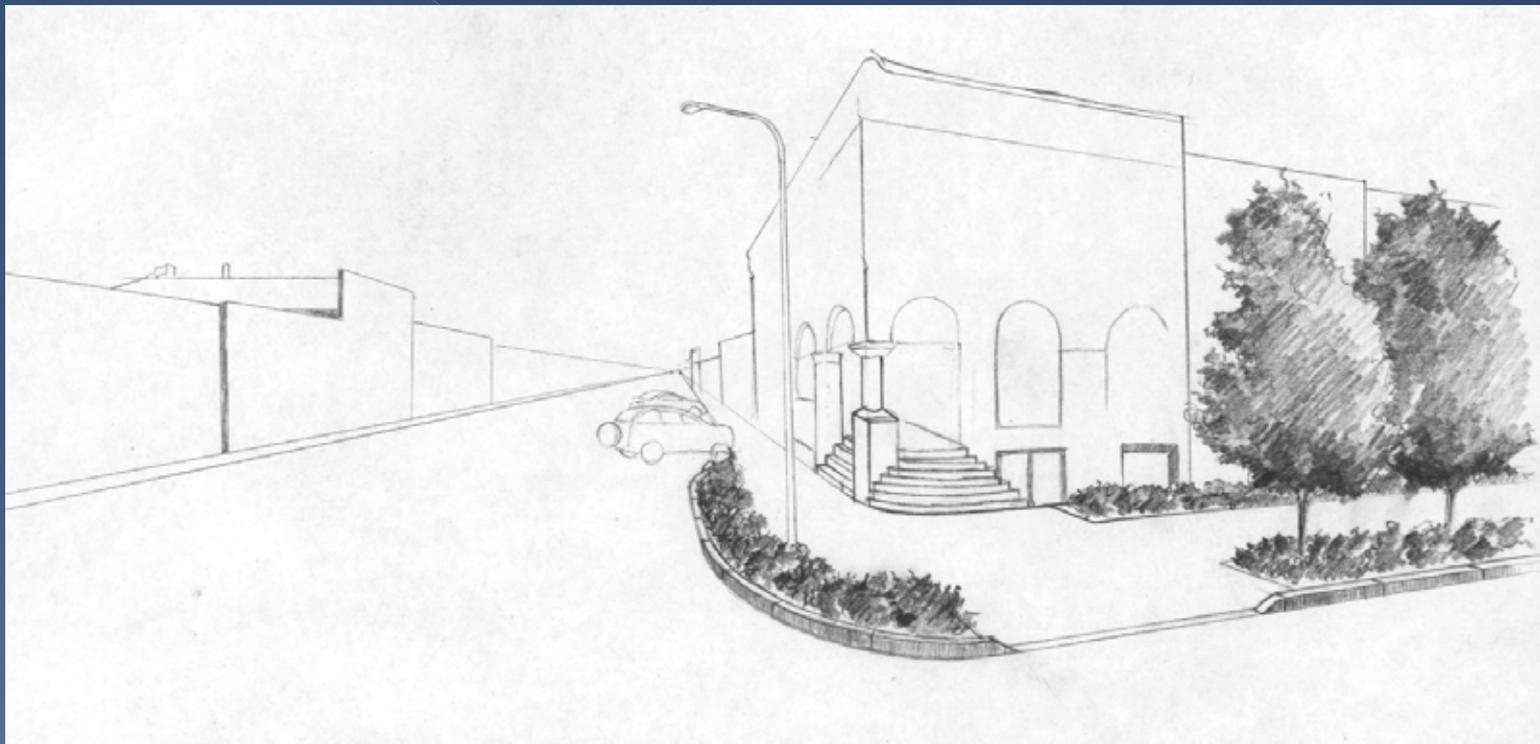


- Separates two properties
- Creating a character of the space, looks more alive
- Improving the sidewalk
- Planting Greenspire Linden for shade and shrubs
- More visually appealing

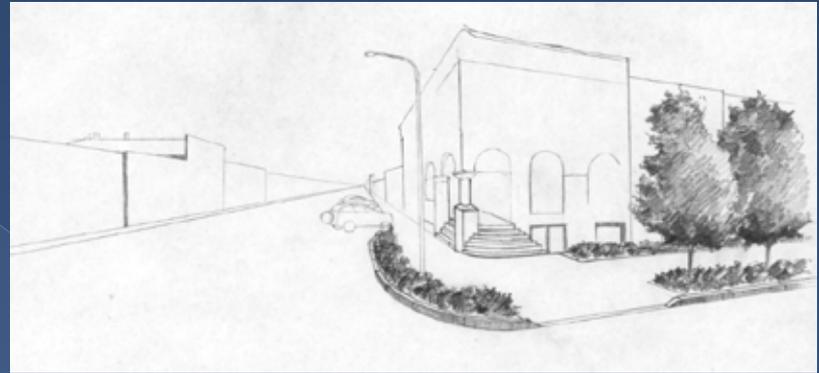
# North Main Street/East Norton Avenue



# North Main Street/East Norton Avenue



# North Main Street/East Norton Avenue



- Creating a gathering space, attracting people to the area
- Improving the sidewalk
- Planting shrubs and Japanese Tree Lilac
- More visually appealing

# STREET FURNITURE



- Keeps the city clean
- Encourages people to go outside, allows social interaction
- Builds a sense of community
- More visually appealing

# VEGETATION



# Curb Appeal Ordinance

Sam Sauer

# Background

- In order to create safe places for people to walk, the area needs to be safe and aesthetically pleasing
- Rundown areas will often be avoided, leaving these spaces unused
- To combat this, an ordinance requiring properties be maintained under pre-established guidelines



# Benefits

- Creates aesthetically pleasing neighborhoods
- Encourages active transportation
  - Improved health
  - More use of park systems
- Safer environments from more use of area

# What to include in ordinance

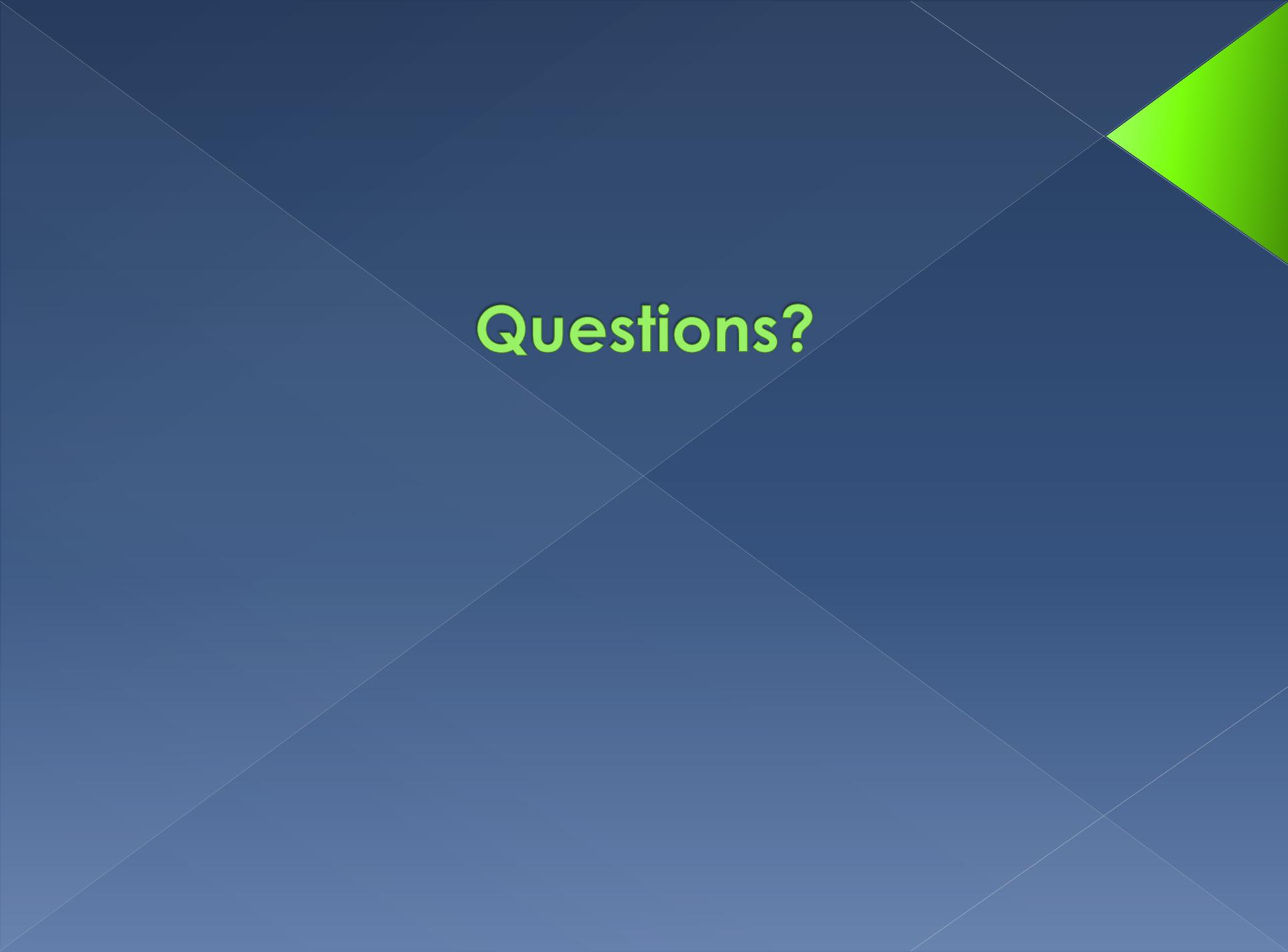
- Requiring lawns be maintained and cut to a length no greater than 6 inches
- Requiring weeds be controlled on a property and cut to a length no greater than 6 inches
- Requiring building facades be maintained and not in need of repair
- Requiring property be free of litter and debris
- Requiring broken down and unsightly vehicles and machinery be kept out of sight of street
- Requiring street trees be planted and maintained along streets and boulevards

# Enforcement

- City would assign existing employee to perform routine inspections
- Inspections would take place monthly, bi-monthly, or semi-annually
- Official could drive down streets, taking note of any properties not in compliance
- Citizens could also file complaints on properties
- When violations found, property owners could be given designated amount of time to correct issue
- If not corrected, city contractor could be assigned to correct issue and charged to the homeowner

# Other Possibilities

- Some cities, such as Heber City, Utah have ordinances requiring landscaping
  - The ordinance requires landscaping around the entire property not covered by the building
  - Landscaping plan must be approved by planning department
- Although this may be an extreme measure, it would ensure the area is aesthetically pleasing



**Questions?**