City Council work session
January 9, 2018
SWEET STREETS: better roads, better Richfield

**PROJECT GOALS** adapted from City of Richfield’s guiding principles and Sweet Streets Initiative

I. Multimodal Design
Utilize innovative and non-traditional design standards in a way that is equitable for all modes/users, including bicycle, pedestrian, transit, and intermodal travel.

II. Connectivity and Public Realm
Connect public realm amenities so that a range of inter-modal activities support how neighborhood residents travel to and from destinations.

III. Local Economy
Support all businesses in the local economy and provide a safe and more convenient way to access and connect across all modes.

IV. Design for People
Consider how people will use community amenities and facilities, addressing universal accessibility and the comfort, safety, and convenience of all users.

V. Community Character & Identity
Recognize and respond to community character and features with appropriate design, speeds, wayfinding, and amenities.

VI. Sustainable Solutions
Utilize solutions that are adaptable, flexible, built to last, and consider implications of long term maintenance.

VII. Health and Active Lifestyles
Incorporate elements that encourage comfortable corridors and places to walk and bike to, via safe and well-landscaped routes that connect the community.

VIII. Unique Location
Support a well-designed and functional system which complements local land use and capitalizes on Richfield’s unique location through access to regional multimodal system.

What do you think?
Put a dot next to the project goals you think are most important for the Lyndale Avenue project.
What we heard

2 Open Houses

2 Transportation Commission Meetings

City Bella
What we heard

Pedestrian Concerns (safety and accessibility)
• Sidewalks and crossings
• Pedestrian Fatality
• Speeding

Bicyclist’s Concerns (safety)
• Lack of facilities
What we heard

Motorist’s Concerns (operations)

• Lakeshore Drive intersection
• Holy Angels traffic
• Signal operations
• Sightlines
• 3-lane operations

General Concerns

• Corridor Appearance
• Parking
Design Considerations

Pedestrian
• Reduce crash severity
• Offset Sidewalks with boulevards
• Medians for crossings
• Improved lighting
• Reduce Speeding

Transit
• Improve bus stop waiting areas (Offset to traffic and features)

Bicyclist
• Space allocated for bicycle lanes
• Buffer to traffic
Design Considerations

Motorist

• Reduce Crash severity
• Reduce speeds

General

• Space allocated for streetscaping
• On Street parking
Addressing the Problem

Combining the Guiding Principles and public input, we’ve identified the following:

Community Problem Statement:
- Safety and comfort for pedestrians, transit users, bicyclists, and drivers is compromised and users are not satisfied with the way the existing road operates.

Goal: To address safety in design through consideration of:
- Speed - Reduce vehicle speeds along the corridor.
- Reduce crash severity by slowing traffic, reduce crashes by reducing conflict points.
- Reallocate Space - Allocate space for walking, bicycling, bus stops, parking, snow storage and green space while maintaining adequate traffic capacity for motor vehicles.
Lyndale Avenue Design

"tools"

SWEET STREETS: better roads, better Richfield

--- SAFETY TOOL: 3-LANE SECTION ---

**SAFETY BENEFITS:**

- **Speed**
  - Reduces excessive speeding
  - Slight decrease in average speed

- **Conflict Points**
  - Fewer conflict points for crossing traffic and pedestrians (shorter crossing distance)
  - Proven to reduce crashes on 4-lane to 3-lane conversions

- **Space**
  - Narrows roadway footprint
  - Allows space for on-street bicycling or parking
  - Green Space

--- TRADEOFFS: ---

- Fewer gaps for cross street traffic
- Increased delay on side streets

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3-Lane Section of Portland Avenue

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Lyndale Avenue Reconstruction Project

BOLTON & MENK

Richfield, MN

Guiding Principles in mind:

1. Multimodal Design
2. Connectivity and Public Realm
3. Design for People
4. Sustainable Solutions
5. Healthy and Active Lifestyle

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Lyndale Avenue Reconstruction Project

BOLTON & MENK

Richfield, MN
**Safety Tool: Reducing Conflict Points**

- Conflict points are locations where vehicle paths merge, diverge, or cross (also applies to pedestrians and bicycles).
- Safety research suggests intersection crash rates are related to the number of conflict points.
- Controlling access by reducing the number of driveways/intersections reduces the number of conflict points.
- **A reduction in conflict points generally improves safety by reducing the number of crashes and the crash severity.**

### Safety Tools considered with the following Guiding Principles in mind:

I. Multimodal Design
II. Connectivity and Public Realm
IV. Design for People
VI. Sustainable Solutions
VII. Healthy and Active Lifestyle

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Source: MnDOT Safety Handbook
**SAFETY TOOL: ROUNDABOUT**

**SAFETY BENEFITS:**

- **Speed**
  - Slows speeds within 1/4 mile of the roundabout (both approaching and exiting)
  - Calms traffic
- **Conflict Points**
  - Reduces from 32 to 8 for vehicles
  - Reduces from 16 to 8 for pedestrians
- **Space**
  - Boulevard space/pedestrian refuge
  - Bicycles have option of using pedestrian crossing or ride through roundabout

**TRADEOFFS:**

- Additional right-of-way impacts at corners
- Shorter gaps for turning on to/off side streets, but generally more

*Source: MnDOT Safety Handbook*

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**Lyndale Avenue Reconstruction Project**

**Sweet Streets:** Better roads, better Richfield

Safety tools considered with the following guiding principles in mind:

I. Multimodal Design
II. Connectivity and Public Realm
IV. Design for People
VI. Sustainable Solutions
VII. Healthy and Active Lifestyle
SAFETY TOOL: COMPACT ROUNDABOUT

SAFETY BENEFITS:

- Speed
  - Lower vehicular speeds
- Conflict Points
  - Fewer conflict points for vehicles and pedestrians
- Space
  - More space allocation
  - Little to no additional right-of-way impacts
  - Traversable islands to handle large trucks

TRADEOFFS:

- Traffic movement violations
Lyndale vs Portland Ave

- Different Land Uses
- Curves
- Misaligned streets
- Alleys
Bicycle Routes

Lyndale Avenue

66th St

Lyndale Avenue

Aldrich Avenue

76th St
Benefits of Access Management (from MnDOT)

Effective access management will:

- Reduce congestion and crashes
- Preserve road capacity and postpone the need for roadway widening
- Improve travel times for the delivery of goods and services
- Ease movement between destinations
- Support local economic development

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*vehicle only with two-lane streets
# Access management

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**Full Access**
Access management

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Access management

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## Access Management

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• Existing Parking along west side of encroaches on Lyndale Right-of-Way
Lyndale Avenue Access Management

High Crash Severity Rate

- “Too much” Access
- Curves
- Sightlines
- Aging Population
- Young Drivers
- Speeding
- Distracted Driving

Lyndale Avenue

Google Earth

Lake Shore Dr

67th St
Lyndale Avenue

Next Steps

2 Public Open Houses
• Alternative Review (Late February 2018)
• Preferred Alternative (Late March/early April 2018)

1 Business Open House

3 Transportation Commission Meetings
• Alternative Review
• Preferred Alternative
• Recommendation to Council
Therapy Of Champions
Project Summary

Therapy Of Champions is an advanced recovery studio designed to help active individuals of all ages recover faster and perform better in their everyday lives. We specialize in a range of therapies, including: Whole Body Cryotherapy, NormaTec Compression, Sports Massage, Acupuncture, Yoga, Mindfulness, Sports Psychology, and the NeuroTarget technique. The therapies we offer are proactive, and focus on reducing inflammation, flushing the lymphatic system, dissipating lactic acid, and reducing toxic stress. We also help to properly align the body to maximize the efficiency of force production with the least amount of effort. By leveraging the best of ancient and modern technologies, we empower our clients to play a proactive role in their well-being. Instead of just pushing through the pain and soreness, Therapy of Champions provides the recovery tools needed to prevent ailments, reduce the risk of injuries, and enjoy an active lifestyle.

What We’re Building

Therapy of Champions is planning to build the largest performance recovery facility in the United States. This facility will be two stories, 12,000 square feet and be exclusively dedicated toward helping active individuals of all ages recover faster from their fitness, occupational, and recreational activities, while increasing their focus, reducing stress, and ultimately performing better in their everyday lives.

In the new facility we will be adding:

- 30 new recovery services
- 10 multi-use suites for 10 different complementary and alternative healthcare practitioners
- 4 commercial spaces for rent
- Dentist
- Salon/MediSpa
- Kids Theory
- Commercial Kitchen

During our presentation we will highlight the new development and discuss how we want to contribute to the economic vibrancy and revitalization of the E. 66th Street Corridor.
### Massing Study - Option 1

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#### Parking:
- **2-3**
  - 52 3 per 1000 sq ft
  - 70 4 per 1000 sq ft
  - 87 5 per 1000 sq ft

#### Square Footage Summary

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#### Other Impervious Surfaces

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Massing Study - Option 1

looking east

1415 66th St East, Richfield MN 55421

Therapy Of Champions
3D View
Massing Study - Option 1
Massing Study - Option 1

Therapy Of Champions

Retail

Dentist

PERSPECTIVE VIEW

1415 66th St East, Richfield MN 55421
Massing Study - Option 1

Therapy Of Champions
Building Elevation

1415 66th St East, Richfield MN 55421

ELEVATION
### Massing Study - Option 2

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| 3,983 | Open Space |

**Parking:**
- 3-4
- 48 3 per 1000 sq ft
- 64 4 per 1000 sq ft
- 79 5 per 1000 sq ft

**Square Footage Breakdown**

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**Other Impervious Surfaces**

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Massing Study - Option 2

Therapy Of Champions  
Site Plan

1415 66th St East, Richfield MN 55421
Massing Study - Option 2
Massing Study - Option 2

LOOKING WEST

1415 66th St East, Richfield MN 55421
Massing Study - Option 2

ELEVATION

Therapy Of Champions
Building Elevation
Massing Study - Option 2

IN CONTEXT

1415 66th St East, Richfield MN 55421

Therapy Of Champions
Neighborhood Context
Therapy Of Champions
Materials Palette
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**Notice:**
- Tasks are color-coded based on their status:
  - Green: In progress
  - Yellow: On hold
  - Red: Completed

**Schedule:**
- Dates are inclusive of the start and end dates.
- The schedule is updated weekly.