

**Meeting:** 7/19/2023  
**Project:** 500-600 Blocks of Gay Street Signal Poles  
**Applicant:** City of Knoxville Engineering

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## Property Information

**Location:** 500-600 Blocks Gay St. **Parcel ID** 95 I G 001  
**Zoning:** DK (Downtown Knoxville)  
**Description:**  
Intersections of W. Church Avenue, Clinch Avenue, Union Avenue, and Wall Avenue.

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## Description of Work

Level III Site Design, Parking, Plaza, Landscape

Public improvements initiated by the City of Knoxville Engineering department. In-kind replacement of 21 traffic signal pedestal poles along the 500 and 600 blocks of Gay Street. Signal poles will be replaced at the intersections of W. Church Avenue, Clinch Avenue, Union Avenue, and Wall Avenue. Project includes installation of new flat sheet aluminum signs in existing layouts and locations. Signs include traffic signs, informational signs, directional signs, and pedestrian instructions, with specifications provided in the application packet.

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## Applicable Design Guidelines

Downtown Design Guidelines

A. Public Realm

1. Pedestrian and Bicyclist Safety

1h. Install and time traffic signals to maximize pedestrian safety and convenience.

2. Resident and Visitor Orientation

2a. Establish a comprehensive wayfinding system for pedestrians.

2b. Create consistent parking signs and directional signs for both pedestrians and vehicular traffic.

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## Comments

Per the zoning code, the "design of [public improvement] projects that are initiated by the City and KUB, such as improvements to or new construction of streets, sidewalks, way-finding and other signs, lighting, parks, and civic buildings must be submitted to the Design Review Board for approval."

The guidelines for "public realm" apply, which emphasize prioritizing pedestrian safety and comfort through public amenities, pedestrian-scale lighting, and sidewalks and crosswalks that are accessible to all and aesthetically pleasing. The guidelines also recommend installing and timing traffic signals to maximize pedestrian safety and convenience, along with incorporating clearly marked bus and trolley stops. Guidelines recommend a "comprehensive way-finding system for pedestrians, including consistent parking and directional signs for both pedestrian and vehicular traffic."

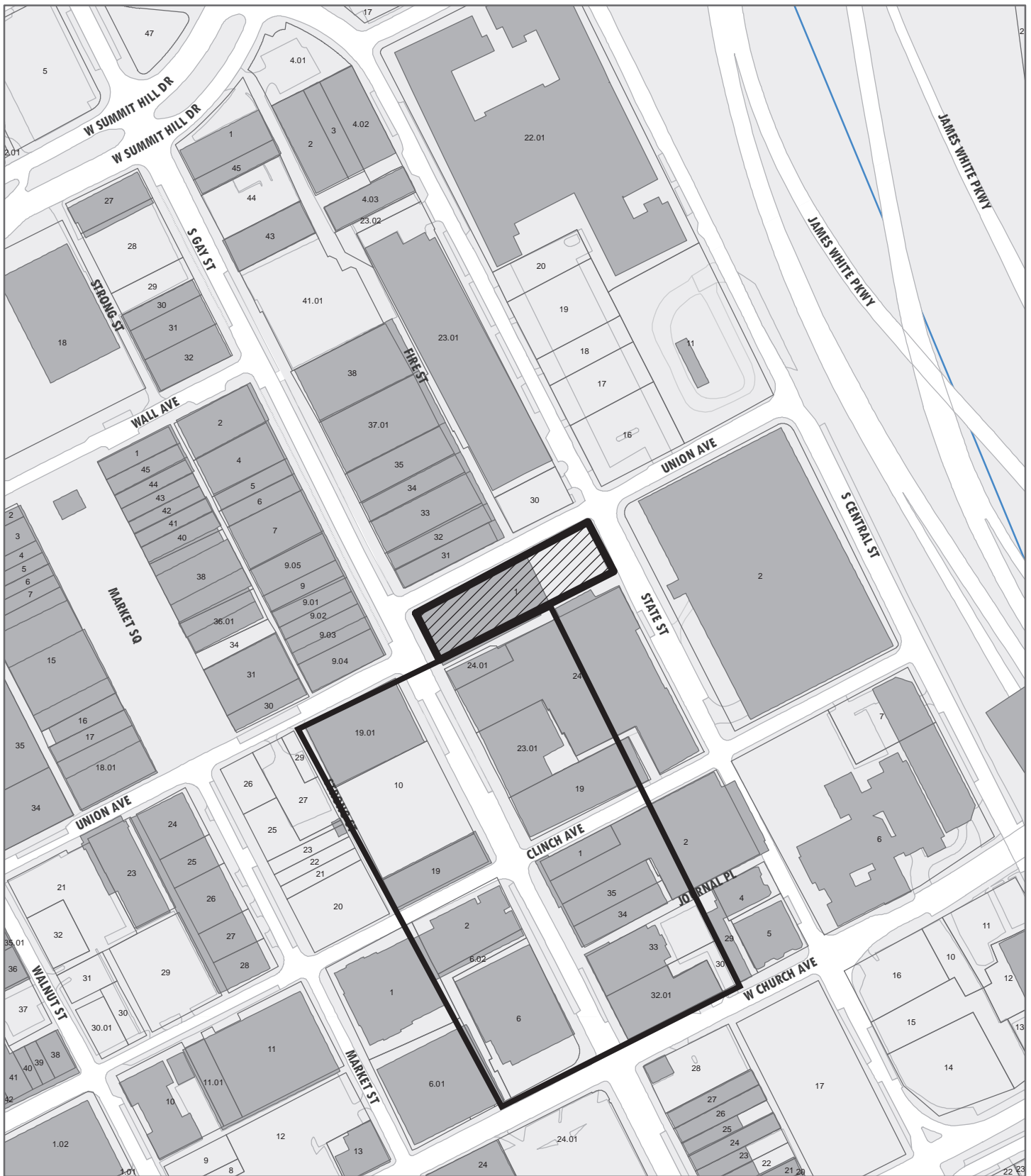
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The proposal meets the design guidelines as it involves the in-kind replacement of signal poles at intersections of Knoxville's downtown which experience significant pedestrian traffic, along with automobiles. The signpost locations have been evaluated by the City of Knoxville and a consultant for safety in placement and construction. As the design will replicate the existing, there will be no further effect on the aesthetics of the two blocks of Gay Street. As detailed on pages 15 and 16 of the drawings, the signs will largely be replaced in-kind and feature a wide array of parking, directional, and safety-related signs.

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## **Recommendation**

Staff recommends approval of Certificate 7-A-23-DT as submitted.



**7-A-23-DT**

**APPLICATION FOR CERTIFICATE OF APPROPRIATENESS**

Petitioner: City of Knoxville Engineering

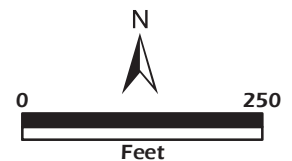
**DOWNTOWN  
DESIGN  
REVIEW  
BOARD**



**500-600 Blocks Gay St.**

**Level 1: Minor alteration of an existing building/structure**

Original Print Date: 7/3/2023  
 Revised:  
 Knoxville/Knox County Planning - Downtown Design Review Board





# DESIGN REVIEW REQUEST

- DOWNTOWN DESIGN (DK)
- HISTORIC ZONING (H)
- INFILL HOUSING (IH)

City of Knoxville Engineering

Applicant

6/14/23

7/19/23

7-A-23-DT

Date Filed

Meeting Date (if applicable)

File Number(s)

## CORRESPONDENCE

All correspondence related to this application should be directed to the approved contact listed below.

- Owner
- Contractor
- Engineer
- Architect/Landscape Architect

Evan Hoffman

City of Knoxville Engineering

Name

Company

3131 Morris Avenue

Knoxville

TN

37909

Address

City

State

Zip

865-215-6147

ehoffman@knoxvilletn.gov

Phone

Email

## CURRENT PROPERTY INFO

Multiple Owners

Owner Name (if different from applicant)

Owner Address

Owner Phone

500 and 600 Blocks of Gay Street

Property Address

Parcel ID

Neighborhood

Zoning

## AUTHORIZATION

*Lindsay Crockett*

Lindsay Crockett

6/14/23

Staff Signature

Please Print

Date

Evan Hoffman

Digitally signed by Evan Hoffman  
Date: 2023.06.14 13:07:53 -04'00'

Evan Hoffman

6/14/23

Applicant Signature

Please Print

Date



# REQUEST

## DOWNTOWN DESIGN

**Level 1:**

- Signs     Alteration of an existing building/structure

**Level 2:**

- Addition to an existing building/structure

**Level 3:**

- Construction of new building/structure     Site design, parking, plazas, landscape

**See required Downtown Design attachment for more details.**

- Brief description of work: City of Knoxville Engineering has capital improvement project funding to replace traffic signal pedestal poles along Gay Street. Signal poles will be replaced in-kind.
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## HISTORIC ZONING

**Level 1:**

- Signs     Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors

**Level 2:**

- Major repair, removal, or replacement of architectural elements or materials     Additions and accessory structures

**Level 3:**

- Construction of a new primary building

**Level 4:**

- Relocation of a contributing structure     Demolition of a contributing structure

**See required Historic Zoning attachment for more details.**

- Brief description of work: \_\_\_\_\_
- 
- 

## INFILL HOUSING

**Level 1:**

- Driveways, parking pads, access point, garages or similar facilities     Subdivisions

**Level 2:**

- Additions visible from the primary street     Changes to porches visible from the primary street

**Level 3:**

- New primary structure  
 Site built     Modular     Multi-Sectional

**See required Infill Housing attachment for more details.**

- Brief description of work: \_\_\_\_\_
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## STAFF USE ONLY

**ATTACHMENTS**

- Downtown Design Checklist  
 Historic Zoning Design Checklist  
 Infill Housing Design Checklist

**ADDITIONAL REQUIREMENTS**

- Property Owners / Option Holders

**Level 1:** \$50 • **Level 2:** \$100 • **Level 3:** \$250 • **Level 4:** \$500

**FEE 1:**

**FEE 2:**

**FEE 3:**

**TOTAL:**

Index Of Sheets

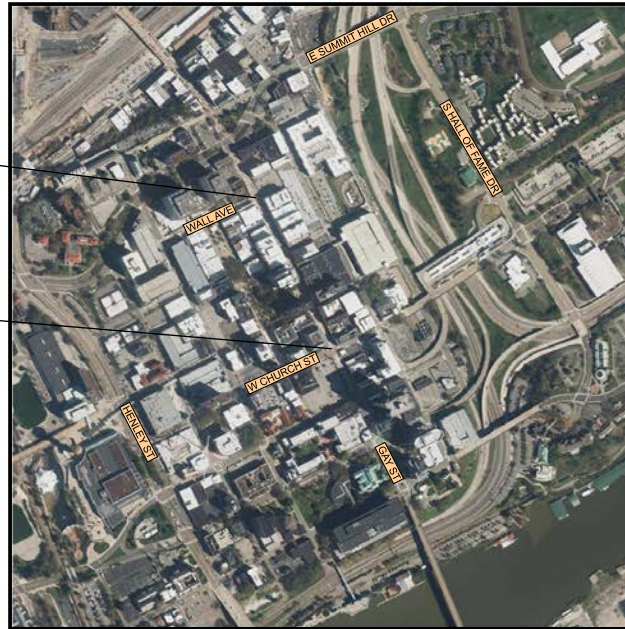
TITLE SHEET.....1  
 ESTIMATED QUANTITIES & GENERAL NOTES.....2  
 STANDARD DRAWINGS.....3  
 SIGNAL LAYOUT OVERVIEW.....4  
 SIGNAL LAYOUT - WEST CHURCH AVE.....5  
 SIGNAL LAYOUT - CLINCH AVE.....6  
 SIGNAL LAYOUT - UNION AVE SOUTH .....7  
 SIGNAL LAYOUT - UNION AVE NORTH.....8  
 SIGNAL LAYOUT - WALL AVE.....9  
 SIGN SCHEDULE LAYOUT - WEST CHURCH AVE.....10  
 SIGN SCHEDULE LAYOUT - CLINCH AVE.....11  
 SIGN SCHEDULE LAYOUT - UNION AVE SOUTH.....12  
 SIGN SCHEDULE LAYOUT - UNION AVE NORTH.....13  
 SIGN SCHEDULE LAYOUT - WALL AVE.....14  
 SIGN SCHEDULE.....15-16  
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 TRAFFIC CONTROL PLAN.....18

**SIGNAL IMPROVEMENTS  
 FOR  
 CITY OF KNOXVILLE**

GAY STREET  
 FROM WEST CHURCH STREET  
 TO WALL AVENUE

SIGNAL

PRELIMINARY



NOT TO SCALE

END PROJECT  
 GAY STREET @  
 WALL AVENUE

BEGIN PROJECT  
 GAY STREET @  
 WEST CHURCH STREET

PRELIMINARY  
 PLANS

**SPECIAL NOTES**

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

DESIGNER : PATRICK FIVEASH, P.E. \_\_\_\_\_ CHECKED BY : JASON BRADY, P.E. \_\_\_\_\_

PROJECT LENGTH .17 MILES



GreshamSmith.com

2095 Lakeshore Centre Way  
 Suite 120  
 Knoxville, TN 37922  
 865.521.6777

ROADWAY IMPROVEMENTS  
 SIGNAL IMPROVEMENTS FOR GAY STREET  
 CITY OF KNOXVILLE, TN

REVISION		
No.	Date	Revision



TITLE SHEET

**1**  
 PROJECT: 40197.00  
 DATE: 2/23















SIGNAL #4  
 NORTHWEST CORNER  
 ORIGINAL POLE IDENTIFICATION: TM-E  
 ORIGINAL FOUNDATION TYPE: TM-3  
 ORIGINAL POLE DETAIL TYPE: 2



SIGNAL #5 NORTHWEST CORNER  
 ORIGINAL POLE IDENTIFICATION: TM-D  
 ORIGINAL FOUNDATION TYPE: TM-4, ORIGINAL POLE DETAIL TYPE: NA



SIGNAL #1  
 NORTHEAST CORNER  
 ORIGINAL POLE IDENTIFICATION: TM-A  
 ORIGINAL FOUNDATION TYPE: TM-1  
 ORIGINAL POLE DETAIL TYPE: 2



ALL SIGNAL POLE LOCATIONS SHOWN ARE APPROXIMATE.

SIGNAL #3  
 SOUTHWEST CORNER  
 ORIGINAL POLE IDENTIFICATION: TM-C  
 ORIGINAL FOUNDATION TYPE: TM-3  
 ORIGINAL POLE DETAIL TYPE: 2



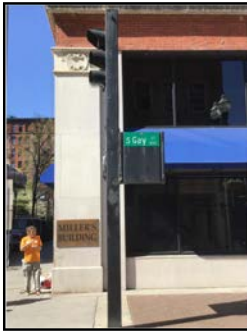
SIGNAL #2  
 SOUTHEAST CORNER  
 ORIGINAL POLE IDENTIFICATION: TM-B  
 ORIGINAL FOUNDATION TYPE: TM-3  
 ORIGINAL POLE DETAIL TYPE: 2



REVISION		
No.	Date	Revisions







SIGNAL #13  
NORTHWEST CORNER  
ORIGINAL POLE IDENTIFICATION: TM1.6  
ORIGINAL FOUNDATION TYPE: TM-3  
ORIGINAL POLE DETAIL TYPE: 5R



SIGNAL #10  
NORTHEAST CORNER  
ORIGINAL POLE IDENTIFICATION: TM1.3  
ORIGINAL FOUNDATION TYPE: TM-3  
ORIGINAL POLE DETAIL TYPE: 3R  
NOTE: INCLUDE SUPPLEMENTAL SIGNAL HEAD  
TO ATTACH TO NEW POLE.



ALL SIGNAL POLE LOCATIONS SHOWN ARE APPROXIMATE.

NOTE #1: PEDESTAL POLE (TYPE A) (730-23.28) WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD WITH AUDIBLE PUSHBUTTON AND SIGN TO BE INSTALLED. LOCATION MUST MEET ADA GUIDELINES AND BE WITHIN TEN FEET OF CURB RAMP. LOCATION WILL BE DETERMINED BY ENGINEER. SEE TDOT STD DRAWING T-SG-6.

SIGNAL #12  
SOUTHWEST CORNER  
ORIGINAL POLE IDENTIFICATION: TM1.5  
ORIGINAL FOUNDATION TYPE: TM-3  
ORIGINAL POLE DETAIL TYPE: 5L



SIGNAL #11  
SOUTHEAST CORNER  
ORIGINAL POLE IDENTIFICATION: TM1.4  
ORIGINAL FOUNDATION TYPE: TM-3  
ORIGINAL POLE DETAIL TYPE: 3L  
NOTE: INCLUDE SUPPLEMENTAL SIGNAL HEAD  
TO ATTACH TO NEW POLE.



REVISION		
No.	Date	Revisions



























**TRAFFIC CONTROL PHASING NOTES:**

1. CONTRACTOR CAN ONLY HAVE ONE INTERSECTION UNDER ALL WAY/FOUR WAY STOP CONDITION AND UNDER CONSTRUCTION AT ONE TIME.
2. CONTRACTOR TO COORDINATE WITH THE CITY OF KNOXVILLE FOR CLOSING ON-STREET PARKING DURING CONSTRUCTION.
3. ALL R1-1 SIGNS USED AT THE INTERSECTION OF GAY STREET AND UNION AVENUE TO HAVE ILLUMINATED BOARDER.
4. CITY OF KNOXVILLE WILL BE INSTALL STOP BARS.

**TRAFFIC CONTROL GENERAL NOTES:**

1. THESE TRAFFIC CONTROL PLANS DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
2. CONSTRUCTION SIGNING SHOWN IN THESE PLANS IS TO SERVE AS A GUIDE ONLY, OTHER SIGNS MAY BE REQUIRED DURING CONSTRUCTION.
3. THE CONTRACTOR IS DIRECTLY RESPONSIBLE FOR THE PROVISION OF ANY AND ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH M.U.T.C.D. AND SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. CONTRACTOR TO OBTAIN APPROVAL FROM CITY FOR TRAFFIC CONTROL IMPLEMENTATION, SIDEWALKS MAY BE CLOSED WITH SIDEWALK DETOUR WITH APPROVAL FROM THE CITY.
5. IF A LANE OF TRAFFIC IS TO BE CLOSED TO SET THE NEW POLES, A FLAGGER MUST BE USED AND ONLY DURING THE HOURS OF 9:00 A.M. TO 3:00 P.M, MONDAY THROUGH FRIDAY WITH APPROVAL FROM THE CITY OF KNOXVILLE.
6. ON-STREET PARKING SPACES MAY BE REQUIRED TO BE CLOSED IN ORDER TO ACHIEVE SUFFICIENT SIGHT DISTANCE.



TRAFFIC CONTROL PLAN AT WEST CHURCH STREET



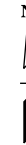
TRAFFIC CONTROL PLAN AT CLINCH AVENUE



TRAFFIC CONTROL PLAN AT WALL AVENUE



TRAFFIC CONTROL PLAN AT UNION AVENUE



SIGN NO.	MUTCD DESIGNATION	LEGEND	SIZE
#1	G20-2	END ROAD WORK	36" X 18"
#2	R1-1	STOP	36" X 36"
#3	R1-3P	ALL WAY	18" X 6"
#4	W20-1	ROAD WORK AHEAD	36" X 36"
#5	W4-4P	ROAD WORK CONSTRUCTION	24" X 12"
#6	R3-1	NO RIGHT TURN	24" X 24"
#7	R3-2	NO LEFT TURN	24" X 24"
#8	R6-2R	ONE WAY	24" X 30"
#9	R6-2L	ONE WAY	24" X 30"

**SUPPLEMENTARY SIGNS FOR SIDEWALK CLOSURES**

MUTCD DESIGNATION	LEGEND	SIZE
R9-9	SIDEWALK CLOSED	24" X 12"
R9-11R	SIDEWALK CLOSED AHEAD CROSS HERE	24" X 18"
R9-11L	SIDEWALK CLOSED AHEAD CROSS HERE	24" X 18"

REVISION		
No.	Date	Revision