

ADDENDUM NO. 3

DATE: January 12, 2018
TO: All Bidders
FROM: Boyce H. Evans, Purchasing Agent *BHE Evans
by JMD*
SUBJECT: Addendum No. 3 – 2018 Resurfacing Project
PROJECT NO.: 17W-P-0637
BIDS TO BE OPENED: **January 17, 2018, at 11:00 a.m. Eastern Time**

This addendum becomes a part of the Contract Documents and modifies the original specifications as noted.

Changes to the Contract Documents & Specifications:

Bid Proposal

A revised bid proposal form is attached to this addendum. The following is a summary of the changes made:

1. The quantity for Item No. 10.50 has been increased.

Coordination

On page SC-16 of the Special Conditions the following streets should be added to the list of streets affected by known construction projects:

1. Dawn Road (Work Order for drainage improvements)
2. E Ford Valley Road (Work Order for drainage improvements)
3. Forestal Drive (Work Order for drainage improvements)
4. Hedgewood Road (Work Order for drainage improvements)
5. Lindy Drive (Work Order for drainage improvements)
6. Wassman Road (Work Order for drainage improvements)

Clarification of Contract Documents & Specifications:

The following are responses to questions received from potential bidders:

Questions

Question #1: For the resurfacing on N Broadway will the following statement from page SC-21 of the City specs apply or will TDOT require a shorter timeframe between milling and overlay

operations?

“Surface milled streets shall be overlaid within 14 calendar days from the date the milling is complete. If the overlay operation has not been completed within the 14 calendar days, liquidated damages in the sum of \$500.00 for each consecutive calendar day will be assessed until the overlay operation is complete.”

Response: TDOT will require that the maximum time between milling and resurfacing to be 5 days. The Contractor should not begin milling unless the subsequent layer of pavement can be placed within the limitations specified in the TDOT Standard Specifications for Road and Bridge Construction, section 407.09. The Contractor shall ensure that the proper work zone signs (including motorcycle signage – uneven pavement, grooved pavement, and shoulder drop-off) are installed for the duration of the work. If the overlay operation has not been completed within the 5 calendar days, liquidated damages in the sum of \$500.00 for each consecutive calendar day will be assessed until the overlay operation is complete.

Question #2: On the striping plans for N Broadway could you please clarify which markings are to be included in the 2018 Resurfacing Contract? There is no pay item included for the green preformed thermoplastic markings.

Response: Yes. The attached striping plans have been marked in red to indicate the areas that are to be included in this project. The green markings mentioned are outside of the area included in this contract.

Question #3: It was stated at the pre-bid meeting that the list of Roads shown on sheet SC-14 of the special conditions, need to be completed by the end of April 2018 and Liquidated Damages maybe applied. If the determination is made to establish liquated damages on the list of roads what will be the amount and will they be applied by calendar day?

Response: The April 2018 deadline shall be removed and no liquidated damages will be applied. The 9 streets listed on page SC-14 of the special conditions shall be resurfaced first in this contract.

Question #4: Will the “Temporary NO Parking” Signs, as called for on SC-16 & SC-17, need to be posted on 6’ Tall post and printed on Aluminum Sign Material? If so what are the specifications and the required colors? If this is going to be a requirement, due to the large added expense, will the City add a bid item for this? If there is a period of inactivity between milling and paving operations will the contractor be required to remove these signs or can they be covered?

Response: Per Chapter 6F on Temporary Traffic Control Zone Devices in the Manual of Uniform Traffic Control Devices (MUTCD), signage may be mounted on barricades, channelizers, etc. as long as they are deemed “crash worthy” or in other words will break away in the event of an accident. For this contract, signs shall be mounted to existing poles or posts where available and the use of barricades and channelizers will only be allowed if none are available. If signs are on or near Pedestrian or Bicycle facilities then they must meet the 7 feet to bottom of sign standard. The “Temporary NO Parking” Signs (without mounting materials) will be provided by the City Sign Shop. The Contractor will be responsible for mounting the signs and providing the materials necessary to accomplish this work. This work is considered incidental to the construction and should be included in the cost of other items. The signs may be covered if the period of inactivity is less than 48 hours. If the time of inactivity is greater than 48 hours, the Contractor shall remove the signs. The contractor shall install 4 signs per block for each direction of travel (one near the beginning, one near the end, and two in between).

Question #5: The striping drawings that were included in the download of the bid package, are they part of this bid? Do the current bid quantities include this scope of work?

Response: Yes, striping plans are provided for all streets being resurfaced in this contract that require bicycle improvements. The current bid quantities account for this work.

END OF ADDENDUM NO. 3

BID PROPOSAL
CITY OF KNOXVILLE, TENNESSEE

**2018 Resurfacing Project
Project No. 17W-P-0637**

TO THE PURCHASING AGENT
CITY OF KNOXVILLE, TENNESSEE

_____ hereby propose(s) to furnish all material, labor, and appliances and do all work required to complete the Contract for the 2018 Resurfacing Project, Project No. 17W-P-0637, located in the City of Knoxville, Tennessee, in a workmanlike manner and in accordance with the plans of the Department of Engineering and specifications herewith attached.

Bidder further agrees that in case of failure to sign a delivered contract within thirty (30) days, the certified check or bid bond accompanying this bid and the proceeds thereof shall be the property of the City of Knoxville if the City chooses to retain said bid bond or check.

BID SCHEDULE

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
5.10	Mineral Aggregate Base	TON	835		
7.10	Trackless Tack Coat (TTT-1)	GAL	45,256		
9.10	Bituminous Plant Mix, Grading B	TON	1,670		
9.30	Bituminous Plant Mix, Grading C	TON	1,670		
10.10	Asphaltic Concrete Surface, Grading D (PG64-22)	TON	76,728		
10.11	Asphaltic Concrete Surface, Grading D (PG70-22)	TON	1,112		
10.12	Asphaltic Concrete Surface, Grading D (PG76-22)	TON	100		
10.30	Asphalt Curb	LF	16,700		
10.40	Pavement Removal (up to 3 ft. in depth)	SY	1,000		
10.50	Crosswalks - (StreetPrint XD)	SF	6,100		
10.60	Speed Humps	EA	1		
13.20	Concrete Driveways	SF	1,150		
23.10	Adjusting Storm Sewer Manhole Frames & Catch Basin Grates	EA	115		
26.10	Top Soil	CY	115		
27.10	Seeding	SY	1,150		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
38.10	Milling or Grinding of Asphalt Streets (Surface Milling)	TON	8,987		
38.20	Milling or Grinding of Asphalt Streets (Full Depth & Profile)	TON	32,481		
39.10	Painted Pavement Marking Line (4" Line)	LMI	95		
39.15	Painted Pavement Marking Line (6" Line)	LMI	2.56		
39.20	Thermoplastic Pavement Marking (STOP Line)	LF	2,402		
39.25	Thermoplastic Pavement Marking (Yield Line)	LF	21		
39.30	Thermoplastic Pavement Marking (Crosswalk Striping)	LF	2,843		
39.40	Thermoplastic Pavement Marking (Turn Lane Arrow)	EA	150		
39.50	Thermoplastic Pavement Marking (Only)	EA	8		
39.60	Thermoplastic Pavement Marking (Rumble Strip)	EA	12		
39.70	Thermoplastic Pavement Marking (Channelization Striping)	SY	380		
39.80	Thermoplastic Pavement Marking (RR Crossing Symbol)	EA	4		
39.90	Thermoplastic Pavement Marking (Shared Lane Marking)	EA	49		
39.92	Thermoplastic Pavement Marking (Bike Symbol)	EA	47		
39.93	Thermoplastic Pavement Marking (Bike Lane Arrow)	EA	47		
39.95	Removal of Existing Pavement Marking (Line)	LF	750		
39.96	Spray Thermoplastic Pavement Marking (40 mil) (4" Line)	LMI	1.58		
39.97	Spray Thermoplastic Pavement Marking (40 mil) (6" Line)	LMI	0.19		
58.10	Adjusting Manhole Frames (Full Depth Mill)	EA	29		
58.20	Adjusting Manhole Frames (Adjustment Ring Only)	EA	1,020		
59.10	Adjusting Valve Boxes (Full Depth Mill)	EA	29		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
59.20	Adjusting Valve Box	EA	1,020	_____	_____
730-14.02	Saw Slot	LF	18,070	_____	_____
730-14.03	Loop Wire	LF	41,700	_____	_____
			TOTAL BID	\$ _____	

TOTAL BID (In Words):

INDEX OF SHEETS

SHEET NAME	SHEET NO.
TITLE SHEET	RO.00
SIGNING & PAVEMENT MARKING PLAN	R1.01 - R1.06



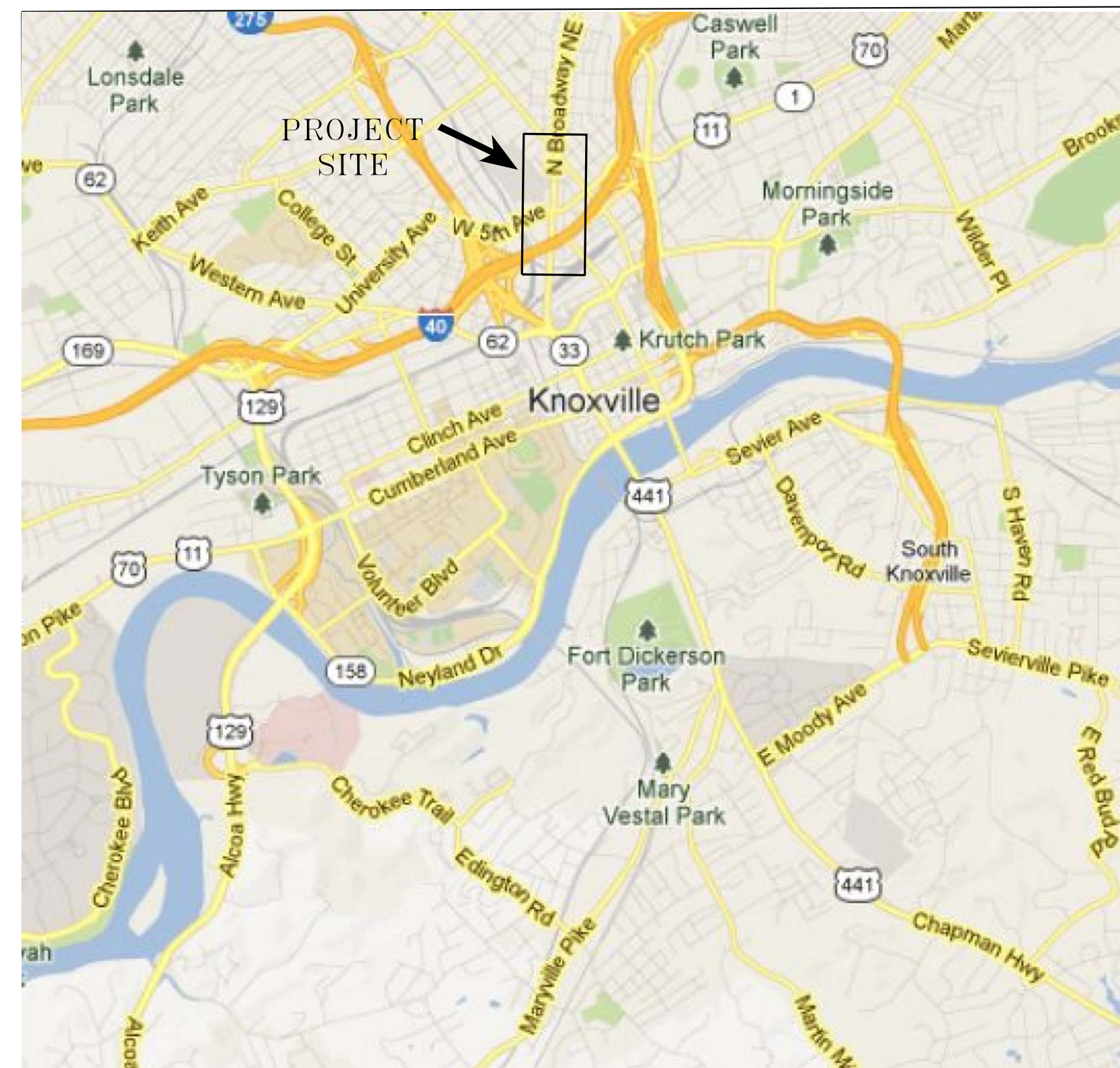
CITY OF KNOXVILLE

MADELINE ROGERO, MAYOR

BROADWAY (S.R.33) RESTRIPING

TDOT ROADWAY DESIGN STANDARD DRAWINGS

DRAWING NO.	CURRENT REV. DATE	TITLE
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	10-10-16	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS, AND PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	10-10-16	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-11	10-10-16	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES
T-M-12	01-30-15	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES



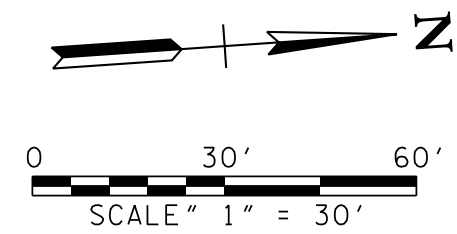
VICINITY MAP (N.T.S.)

PROJECT DESCRIPTION:

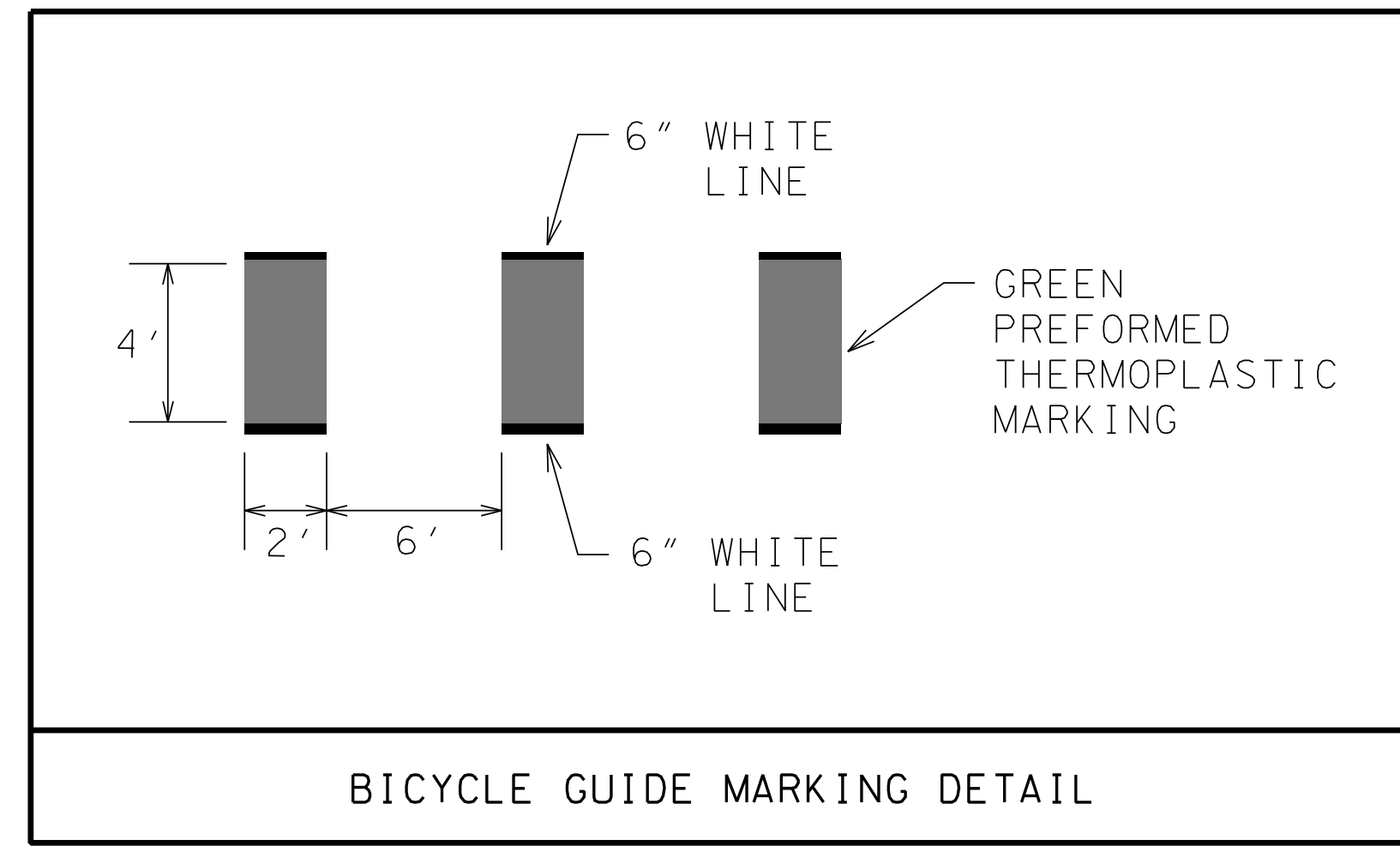
RESTRIPING OF APPROXIMATELY 3,500 L.F. OF BROADWAY (S.R. 33) FROM JACKSON AVENUE / WORLDS FAIR PARK DRIVE / OAK AVENUE TO CENTRAL AVENUE TO CONVERT THE ROADWAY FROM FOUR VEHICULAR TRAVEL LANES TO THREE VEHICULAR TRAVELS WITH TWO BICYCLE LANES.

CITY OF KNOXVILLE
 DEPARTMENT OF ENGINEERING
 1400 LORIANE STREET
 KNOXVILLE, TENNESSEE 37921

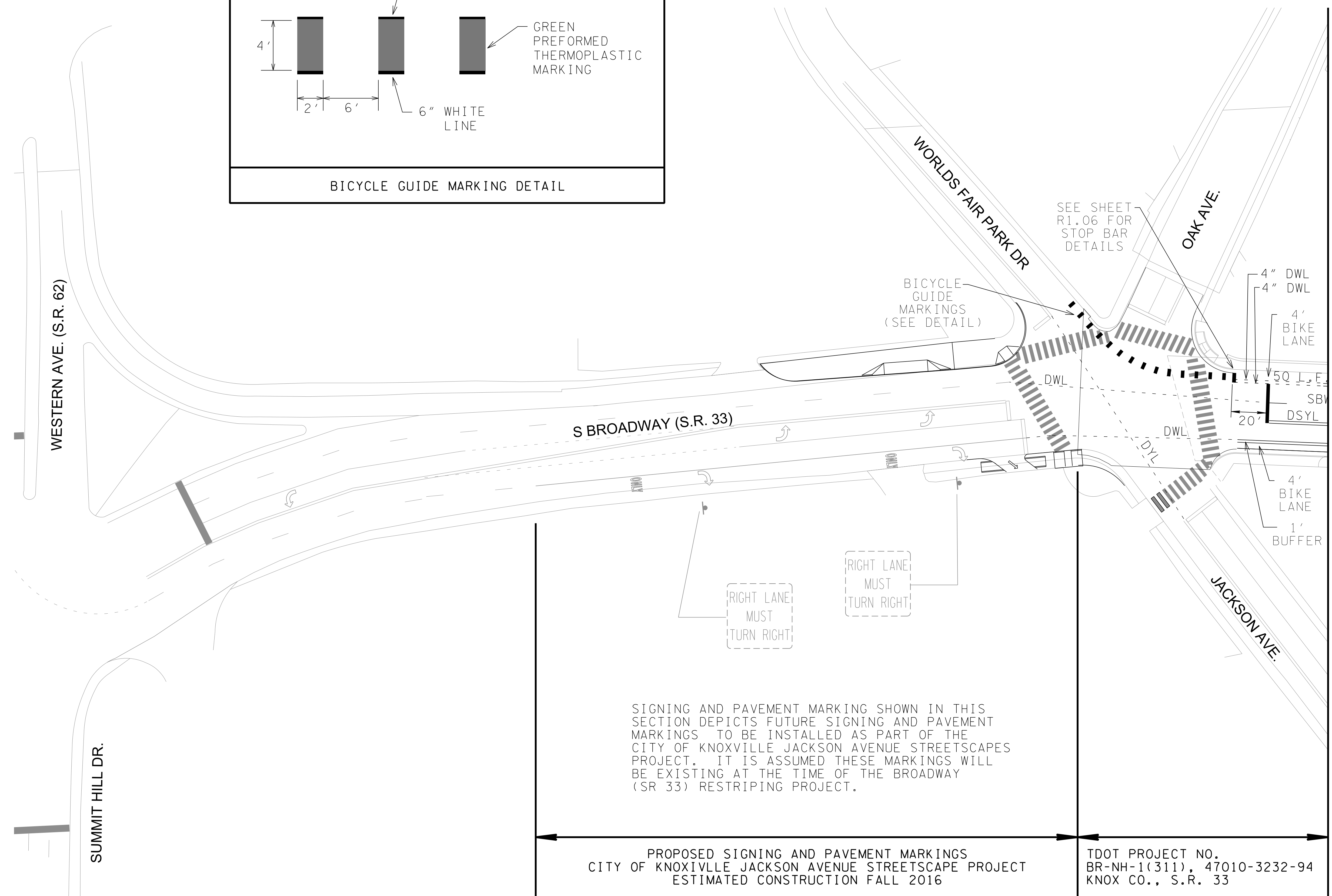
REVISED INDEX AND STANDARD DRAWINGS	01-05-17
REVISED STATE ROUTE NUMBER	06-20-16
REVISIONS	DATE
CANNON & CANNON INC. CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORIANE STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPING
TITLE SHEET	
	CCI PROJECT NO. 00244-0020 DATE 03-17-16 P.M. RCB DRAWN WA D.C.
RO.00	



NOTES:
 1. SIGNING AND PAVMENT MARKINGS SHOWN ON THIS SHEET ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT PART OF THIS PROJECT. THESE MARKINGS ILLUSTRATE MARKINGS TO BE INSTALLED AS PART OF THE TDOT SR 33 (BROADWAY VIADUCT) PROJECT.



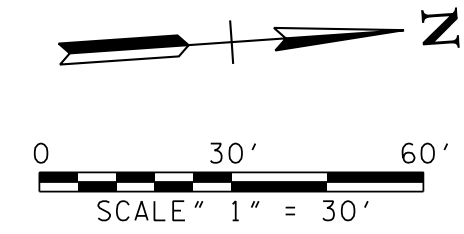
BICYCLE GUIDE MARKING DETAIL



PROPOSED SIGNING AND PAVMENT MARKINGS
 CITY OF KNOXVILLE JACKSON AVENUE STREETSCAPE PROJECT
 ESTIMATED CONSTRUCTION FALL 2016

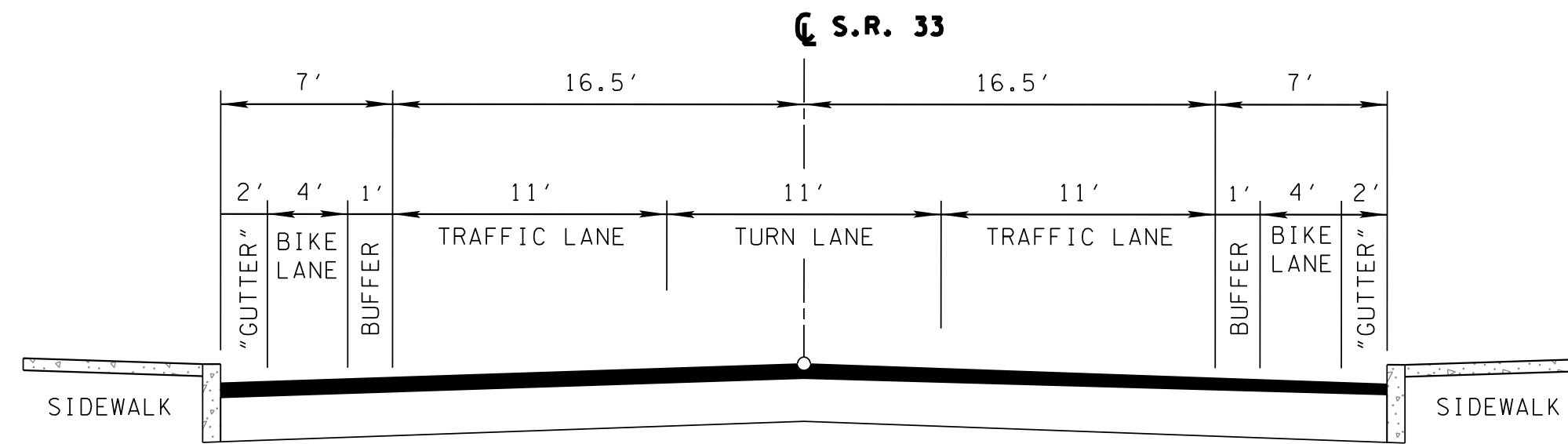
TDOT PROJECT NO.
 BR-NH-1(311), 47010-3232-94
 KNOX CO., S.R. 33

REVISED SHEET NUMBER, TITLE, AND MARKINGS	01-05-17
REVISED STATE ROUTE NUMBER	06-20-16
REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS	
TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIING
SIGNING AND MARKING PLAN	
CCI PROJECT NO.	00244-0020
DATE	03-17-16
P.M.	RCB
DRAWN	WA
D.C.	
R1.01	



NOTES:

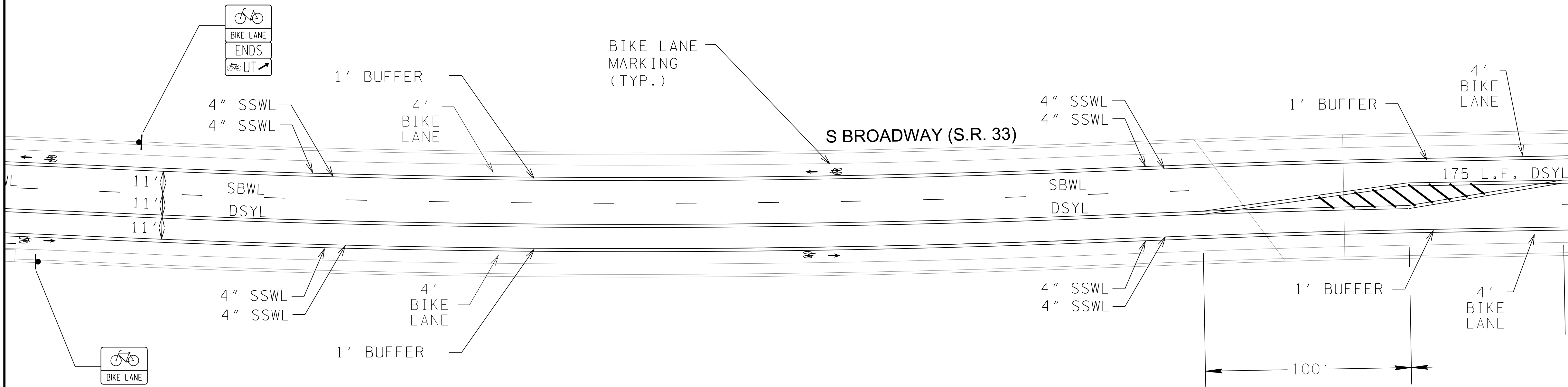
- SIGNING AND PAVMENT MARKINGS SHOWN ON THIS SHEET ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT PART OF THIS PROJECT. THESE MARKINGS ILLUSTRATE MARKINGS TO BE INSTALLED AS PART OF THE TDOT SR 33 (BROADWAY VIADUCT) PROJECT.



TYPICAL SECTION 1

MATCHLINE SEE SHEET R1.01

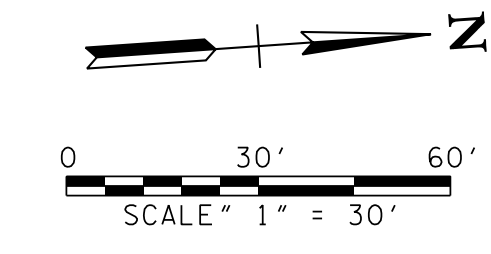
MATCHLINE SEE SHEET R1.03



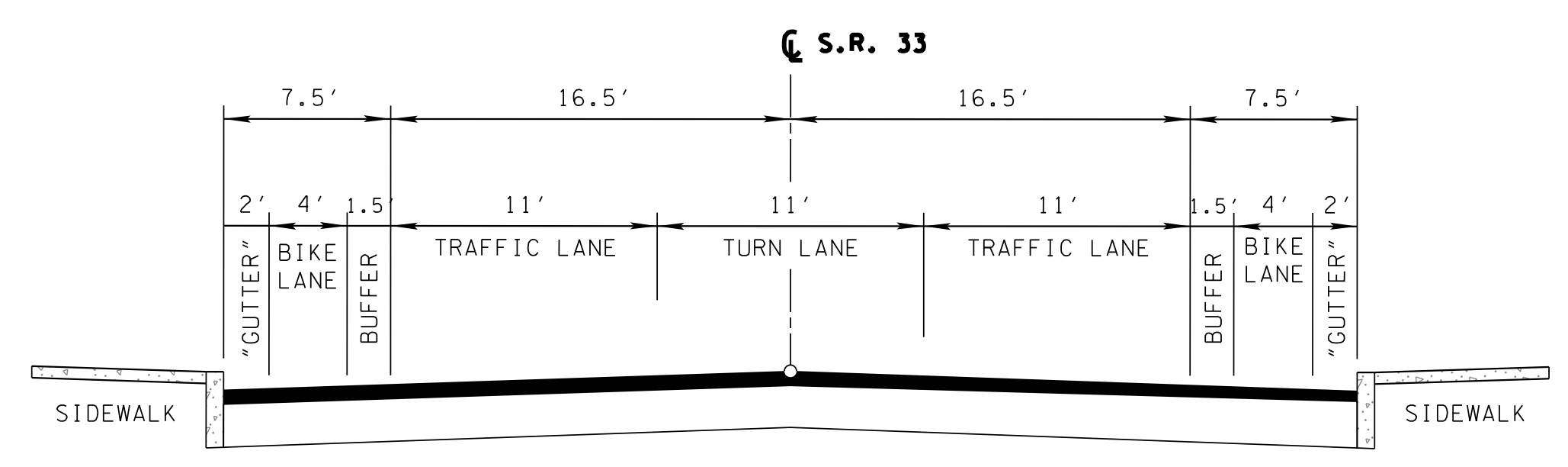
TYPICAL SECTION 1

TDOT PROJECT NO. BR-NH-1(311), 47010-3232-94
KNOX CO., S.R. 33

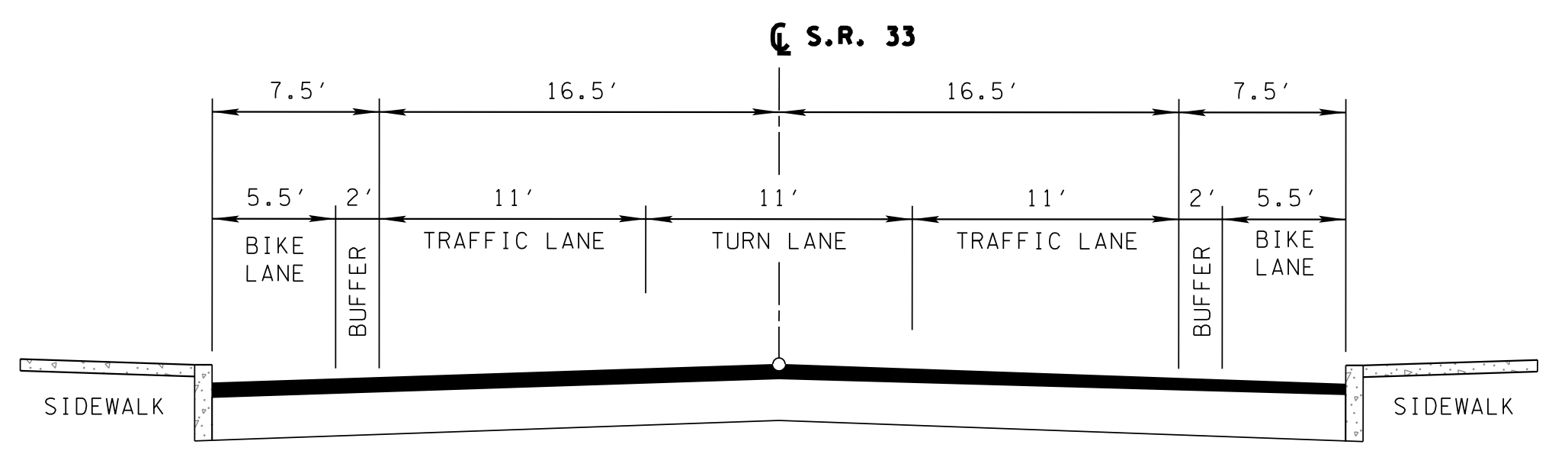
REVISE SHEET NUMBER, TITLE, AND MARKINGS	01-05-17
REVISE STATE ROUTE NUMBER	06-20-16
REVISIONS	DATE
 CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIING
SIGNING AND MARKING PLAN	
CCI PROJECT NO.	00244-0020
DATE	03-17-16
P.M.	RCB
DRAWN	WA
D.C.	
 R1.02	



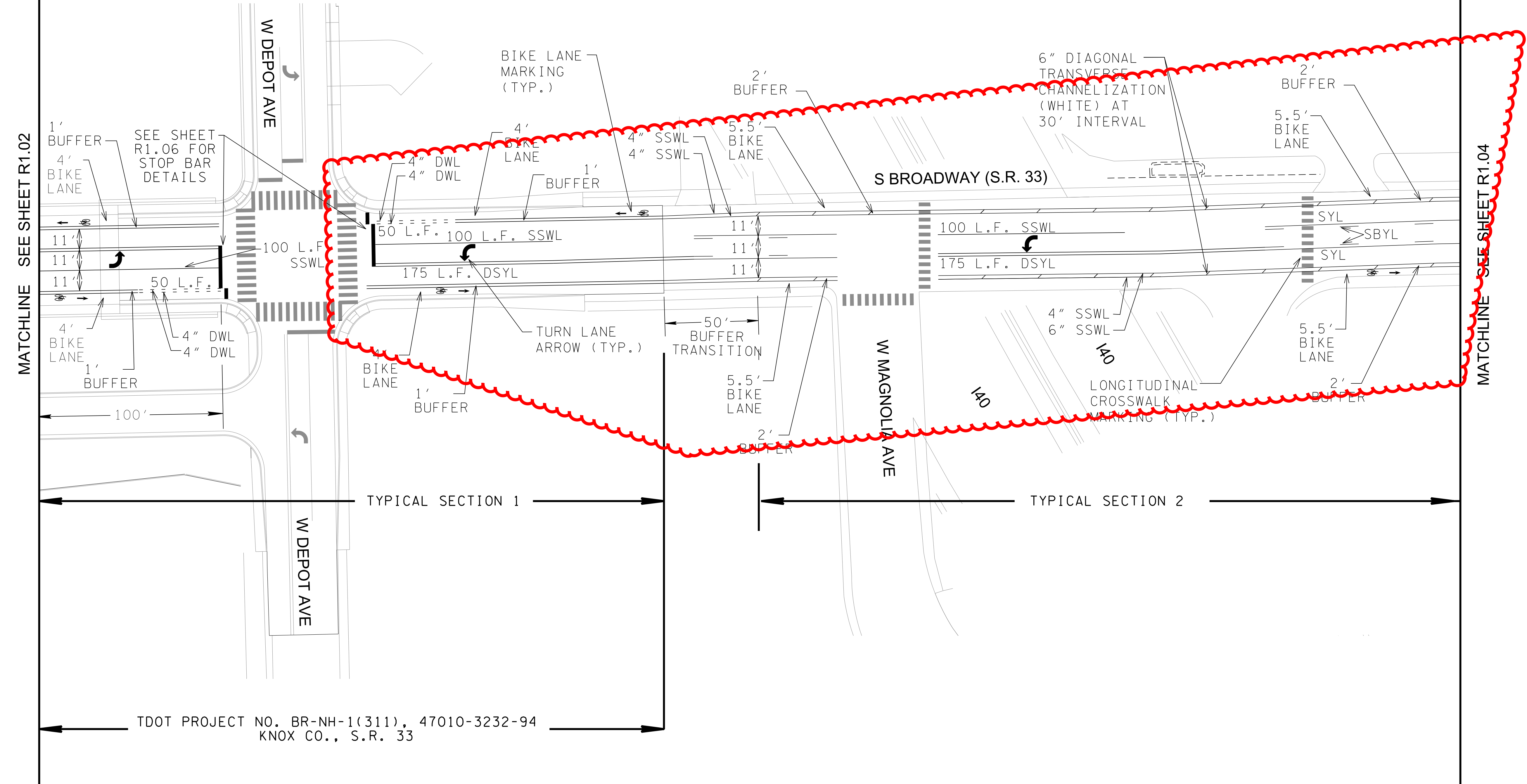
NOTES:
 1. SIGNING AND PAVMENT MARKINGS SHOWN ON THIS SHEET (TYPICAL SECTION 1) ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT PART OF THIS PROJECT. THESE MARKINGS ILLUSTRATE MARKINGS TO BE INSTALLED AS PART OF THE TDOT SR 33 (BROADWAY VIADUCT) PROJECT.



TYPICAL SECTION 1



TYPICAL SECTION 2

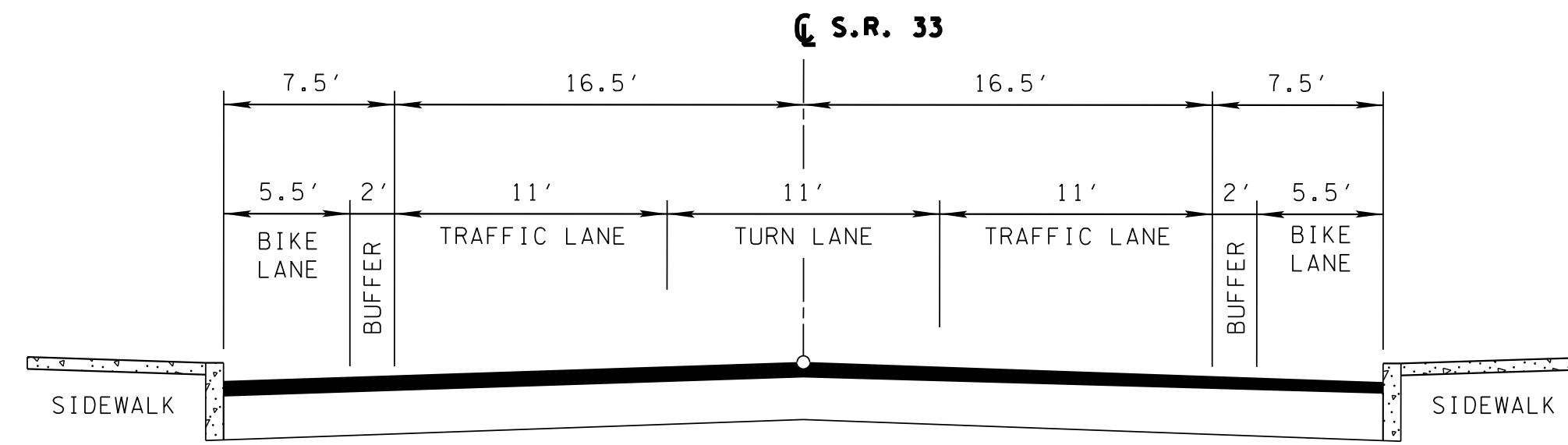
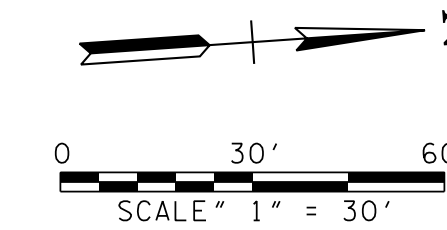


TYPICAL SECTION 1

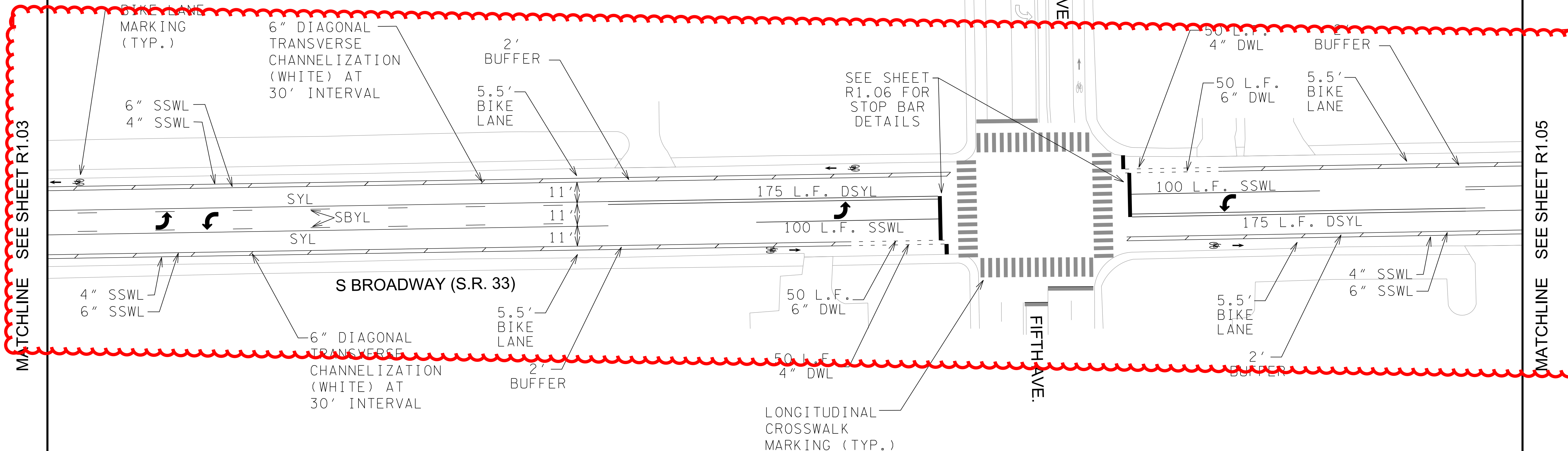
TYPICAL SECTION 2

TDOT PROJECT NO. BR-NH-1(311), 47010-3232-94
 KNOX CO., S.R. 33

REVISED SHEET NUMBER, TITLE, AND MARKINGS	01-05-17
REVISED STATE ROUTE NUMBER	06-20-16
REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS	
TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 140 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIPING
SIGNING AND MARKING PLAN	
	CCI PROJECT NO. 00244-0020
	DATE 03-17-16
	P.M. RCB
	DRAWN WA
	D.C.
R1.03	

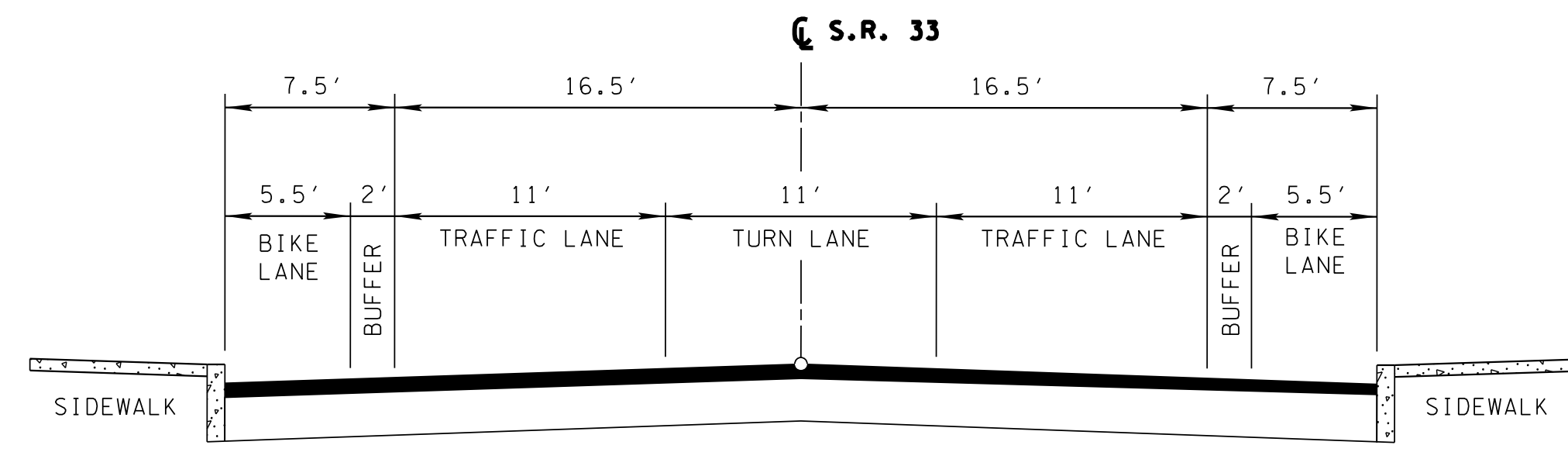


TYPICAL SECTION 2

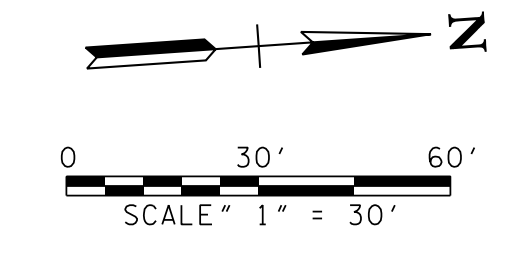


TYPICAL SECTION 2

REVISED STATE ROUTE NUMBER	06-20-16
REVISIONS	DATE
 CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIING
SIGNING AND MARKING PLAN	
	CCI PROJECT NO. 00244-0020
	DATE 03-17-16
	P.M. RCB
	DRAWN WA
D.C.	
R1.04	

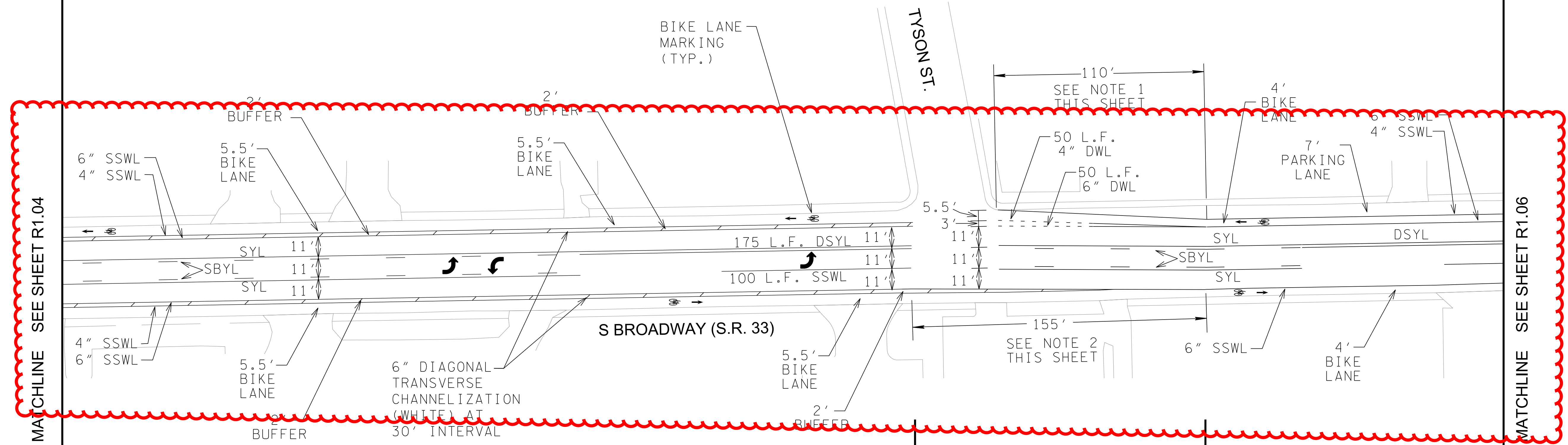


TYPICAL SECTION 2



NOTES:

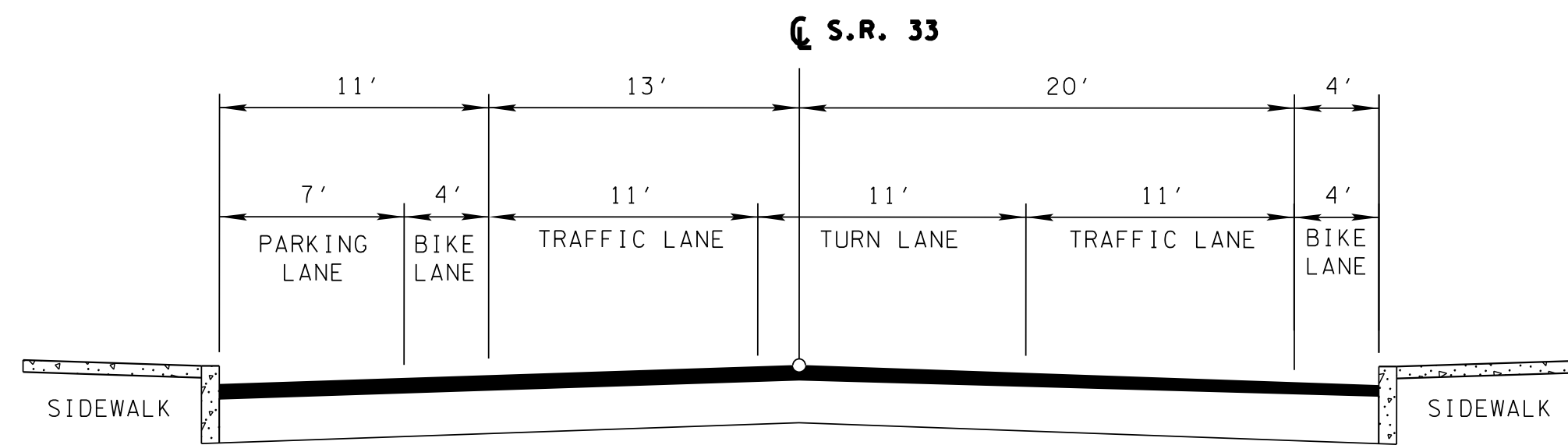
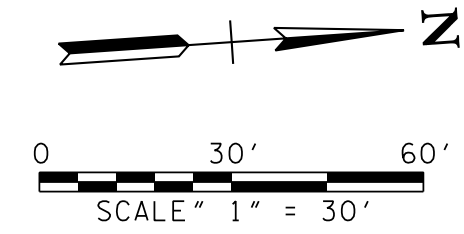
1. END PARKING LANE 110' NORTH OF TYSON LANE. BIKE LANE TRANSITIONS FROM 4' WIDE TO 5.5' WIDE AND SHIFTS TOWARD CURB LINE AT TYSON STREET INTERSECTION. TRAVEL LANES SHIFT WEST TO ALIGN WITH TRAVEL LANES SOUTH OF TYSON LANE.
2. 2' BUFFER AREA BEGINS TRANSITION AT SOUTHERN SIDE OF INTERSECTION. WIDTH OF BUFFER AREA TRANSITIONS FROM 2' TO 0' IN A DISTANCE OF 105'. BIKE LANE WIDTH TRANSITIONS FROM 5.5' WIDE TO 4' WIDE IN A DISTANCE OF 155'.



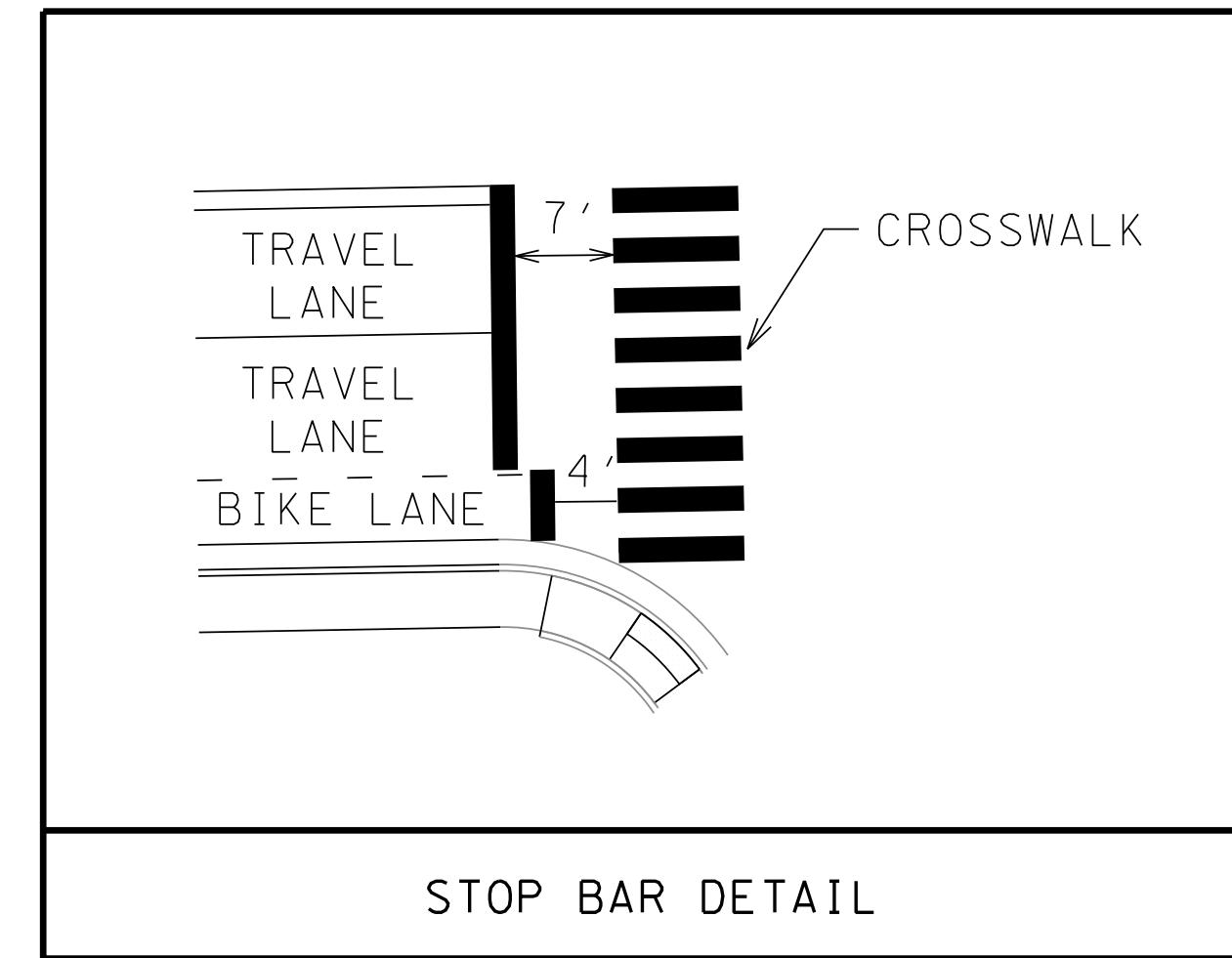
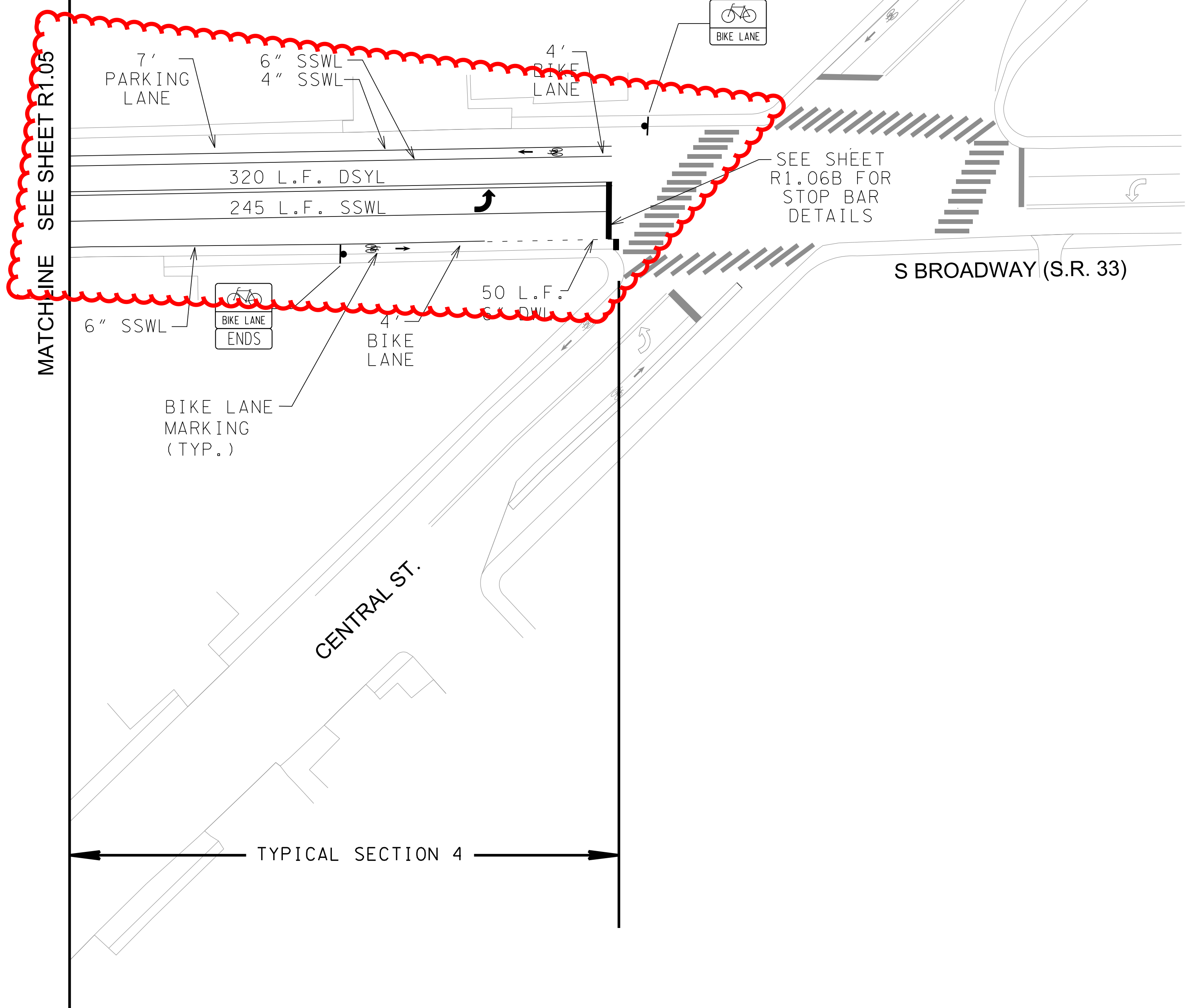
TYPICAL SECTION 2

TYPICAL SECTION 4

REVISED SHEET NUMBER AND TITLE	01-05-17
REVISIONS	DATE
 CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIING
SIGNING AND MARKING PLAN	
CCI PROJECT NO.	00244-0020
DATE	06-17-16
P.M.	RCB
DRAWN	WA
D.C.	
<h1>R1.05</h1>	



TYPICAL SECTION 4



STOP BAR DETAIL

REVISED SHEET NUMBER AND TITLE	01-05-17
REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS	
TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT:	CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING 1400 LORAIN STREET KNOXVILLE, TN 37921
PROJECT:	BROADWAY (S.R.33) RESTRIPIING
SIGNING AND MARKING PLAN	
	CCI PROJECT NO. 00244-0020
	DATE 06-17-16
	P.M. RCB
	DRAWN WA
	D.C.
R1.06	