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"NO PROJECT COMMITMENTS INCLUDED IN THIS SET OF PLANS"	
"NO UTILITY SHEETS"	

STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
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ROADWAY AND PAVEMENT APPURTENANCES		
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SAFETY APPURTENANCES AND FENCE		
S-GR31-1		W-BEAM GUARDRAIL
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 TERMINAL (RETROFIT)
TRAFFIC CONTROL APPURTENANCES		
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-3	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-4	07-24-14	STANDARD STEEL SIGN SUPPORTS
T-S-19	07-19-13	SIGN DETAILS
T-S-20	11-01-11	SIGN DETAILS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

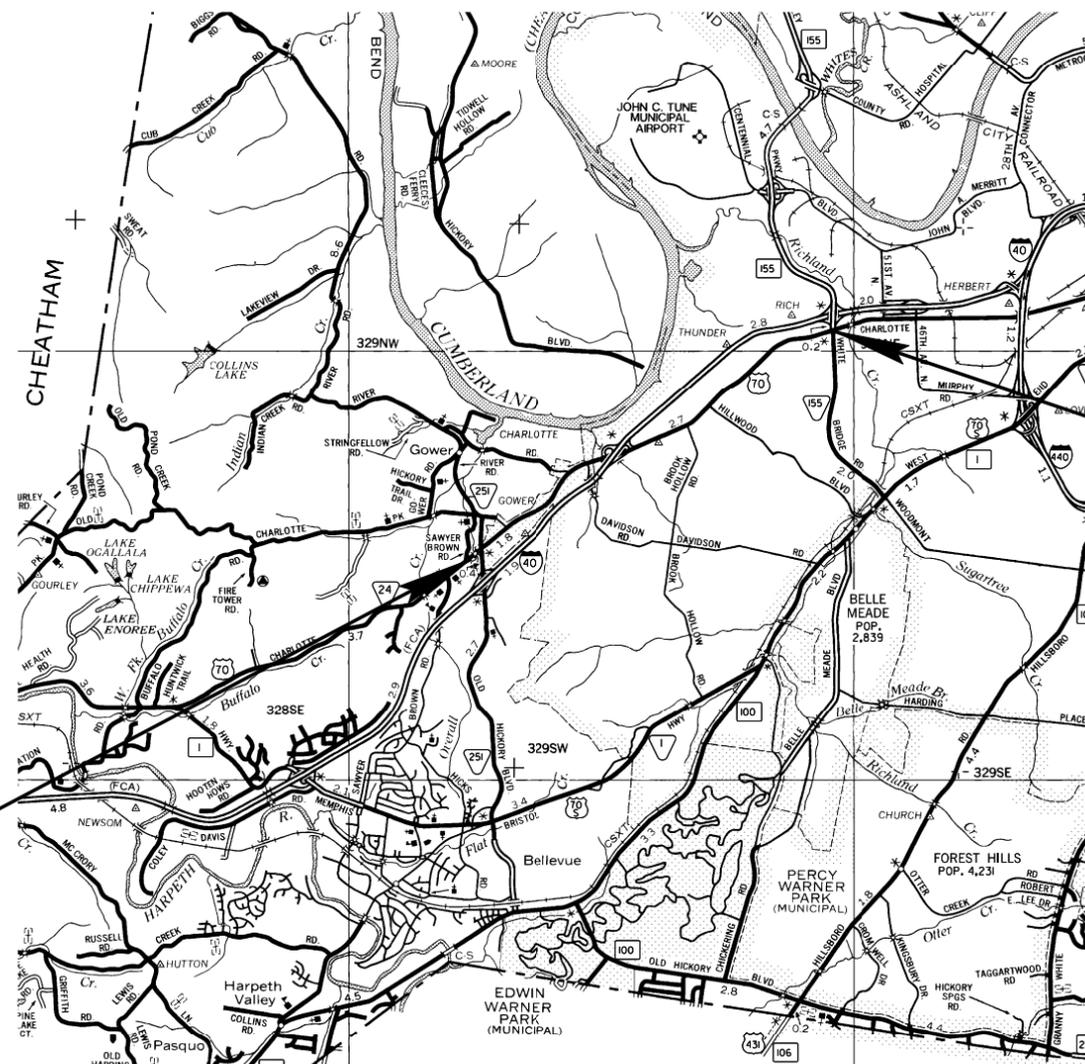
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

DAVIDSON COUNTY

STATE ROUTE NO. 24
FROM WEST OF BROWNS CREEK BRIDGE (L.M. 3.64)
TO STATE ROUTE 155 (L.M. 8.13)

RESURFACING

STATE HIGHWAY NO. 24 F.A.H.S. NO. 70



PROJECT LOCATION



**UNOFFICIAL
SET
NOT FOR
BIDDING**

NO EXCLUSIONS

19039-3231-94
19039-8231-14
END PROJ. NO. STP/HSIP-24(58)
(L.M. 8.13)

19039-3231-94
19039-8231-14
BEGIN PROJ. NO. STP/HSIP-24(58)
(L.M. 3.64)

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, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT TRANS. PROJ. SP. SV. 2 BILLY BINION

DESIGNER SCOTT JOHNSON CHECKED BY JESSE HOOVER

P.E. NO. 98034-4299-04 (DESIGN)

PIN NO. 104135.01

SCALE: 1" = 1 MILE

PROJECT LENGTH **4.49 MILES**
TOTAL LANE MILES RESURFACED **15.3 MILES**



TRAFFIC DATA	
ADT (2015)	24400
V	45-55 MPH

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE: _____

APPROVED: John Schroer
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	TOTAL QUANTITY
			19039-8231-14	19039-3231-94	
(1)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	300	100	400
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	59		59
	411-02.10 ACS MIX(PG70-22) GRADING D	TON	9075		9075
	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	8985		8985
	611-01.20 ADJUSTMENT OF EXISTING MANHOLE	EACH	6		6
	611-09.01 ADJUSTMENT OF EXISTING CATCHBASIN	EACH	7		7
(2)(3)	611-09.02 REWORK CATCHBASIN	EACH	23		23
	705-01.04 METAL BEAM GUARD FENCE	L.F.		50	50
	705-02.02 SINGLE GUARDRAIL (TYPE 2)	L.F.		225	225
	705-04.07 TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH		4	4
(4)	712-01 TRAFFIC CONTROL	LS	1		1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	100		100
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	4		4
(5)	712-06 SIGNS (CONSTRUCTION)	S.F.	682		682
	712-08.03 ARROW BOARD (TYPE C)	EACH	2		2
	713-11.01 "U" SECTION STEEL POSTS	LB.		1505	1505
	713-16.20 SIGNS (R3-17 BIKE LANE)	EACH		22	22
	713-16.21 SIGNS (R3-17bP "ENDS")	EACH		2	2
	713-16.22 SIGNS (R3-17aP "AHEAD")	EACH		1	1
	713-16.23 SIGNS (W16-18P "FYG" "NOTICE")	EACH		12	12
	713-16.24 SIGNS (R4-11 "MAY USE FULL LANE")	EACH		6	6
	713-16.25 SIGNS (D11-1 BIKE ROUTE)	EACH		5	5
	713-16.26 SIGNS (M6-6 R/L)	EACH		4	4
	713-16.27 SIGNS (M6-4)	EACH		1	1
	713-16.28 SIGNS (R5-3)	EACH		1	1
	713-16.29 SIGNS (W11-1)	EACH		5	5
	713-16.30 SIGNS (M4-6)	EACH		1	1
	713-16.31 SIGNS (R4-4)	EACH		6	6
	713-16.50 REMOVE AND REPLACE SIGN (SIGNS)	EACH		6	6
(6)	716-01.21 SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH		750	750
(6)	716-01.22 SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH		400	400
(7)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		2000	2000
(7)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	866		866
(7)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	49		49
(7)	716-02.08 PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	210		210
(7)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	890		890
(7)	716-02.12 PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.27		0.27
(7)	716-03.01 PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	7		7
(7)	716-04.02 PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	9		9
(7)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	5		5
(7)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	48		48
(7)	716-04.13 PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		1	1
(7)	716-04.15 PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED	EACH		87	87
(8)	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	30.6		30.6
	716-10.30 TRUNCATED DOME DETECTABLE WARNING MAT	S.F.		112	112
(9)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.		23.2	23.2
	716-12.03 ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	660		660
	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.		13015	13015
(10)	716-13.02 SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.		9.3	9.3
	717-01 MOBILIZATION	LS	1		1
	730-14.02 SAW SLOT	L.F.	15400		15400
	730-14.03 LOOP WIRE	L.F.	33800		33800

FOOTNOTES

- 300 TONS TO BE USED AS DIRECTED BY THE ENGINEER AND 100 TONS TO BE USED FOR GUARDRAIL END TERMINALS.
- INCLUDES FURNISHING AND INSTALLING TYPE "B" GRATES AND INSTALLING TO ELEVATION MATCHING NEW PAVEMENT.
- ITEM INCLUDES 17 AREA DRAINS TO BE REWORKED.
- THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING METHOD FROM A DESIGNATED LIST OF METHODS ACCEPTED BY THE DEPARTMENT. SAID SIGN COVERING METHOD SHALL BE SELECTED FROM QUALIFIED PRODUCTS LIST 10, SECTION D OR APPROVED BY THE DIVISION OF MATERIALS AND TEST AND SHALL BE USED TO COVER THESE SIGNS. NO OTHER METHOD FOR SIGN COVERING WILL BE ALLOWED. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06 SIGNS (CONSTRUCTION).
- QUANTITY MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR MAY ELECT TO SUBSITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
- FOR TEMPORARY PAVEMENT MARKING ON COLD PLANED SURFACE.
- QUANTITY IS BASED ON EXISTING PAVEMENT MARKING FOR CENTERLINE, LANE LINES, AND BIKEWAY IMPROVEMENTS ON FINAL PAVEMENT SURFACE ONLY.
- QUANTITY IS BASED ON EXISTING PAVEMENT MARKING FOR EDGELINES ON FINAL PAVEMENT SURFACE ONLY.

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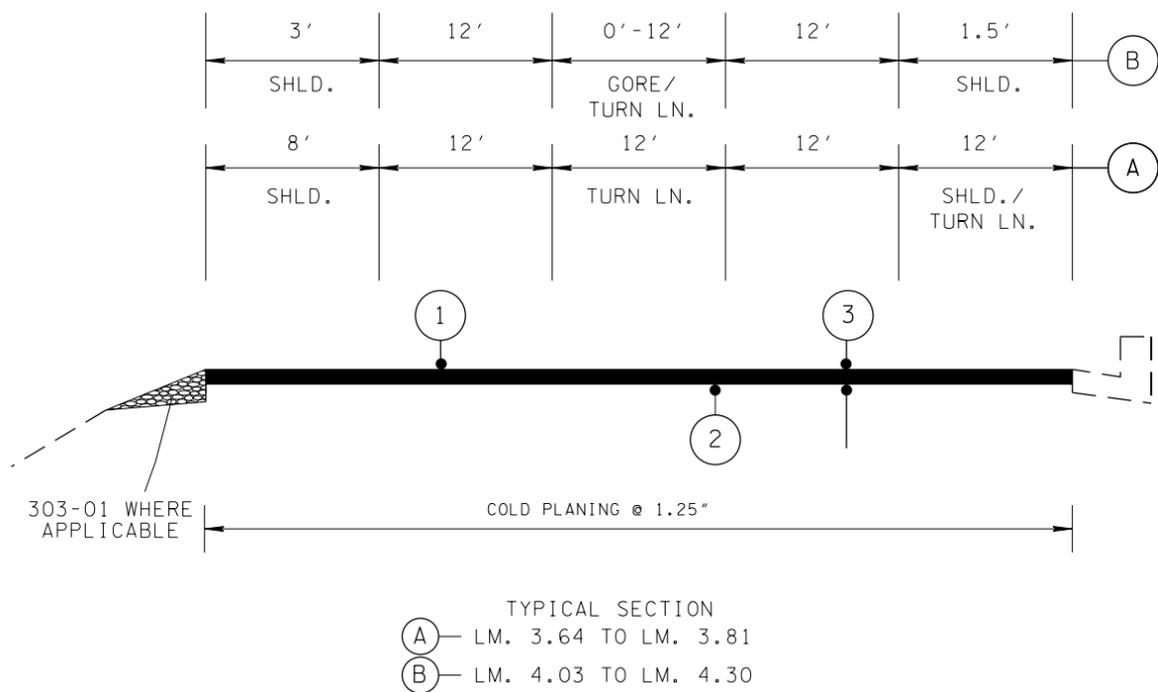
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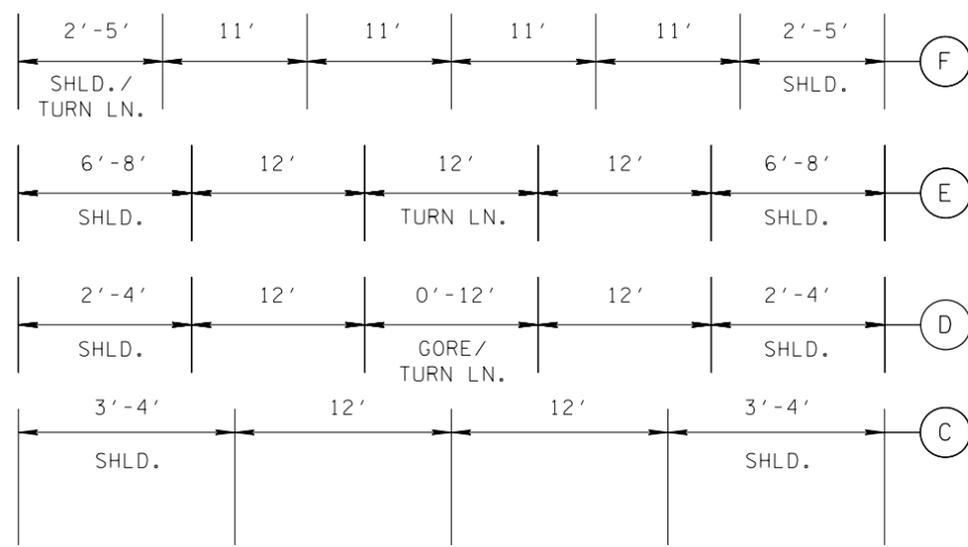
**ESTIMATED
ROADWAY
QUANTITIES**

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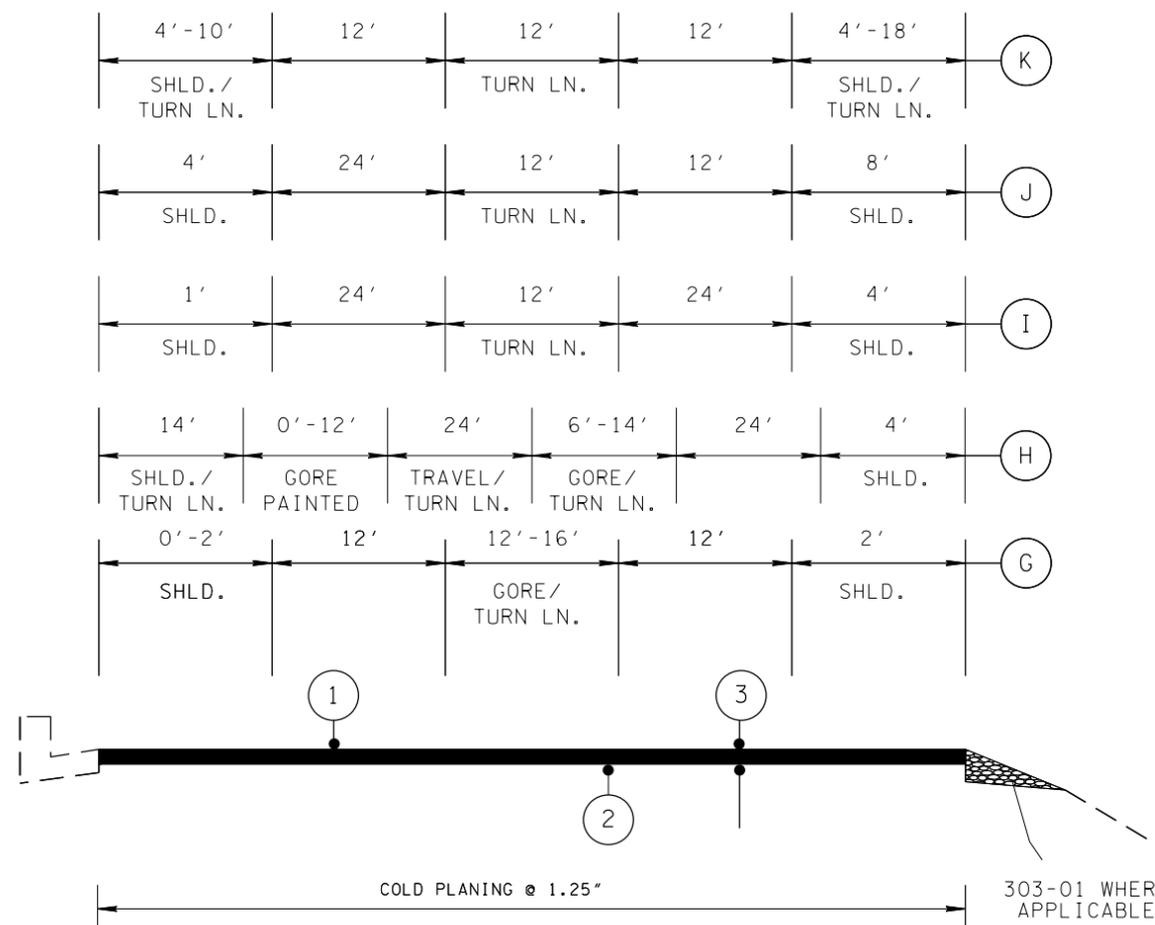
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2A



TYPICAL SECTION
 (A) LM. 3.64 TO LM. 3.81
 (B) LM. 4.03 TO LM. 4.30



TYPICAL SECTION
 (C) LM. 3.81 TO LM. 3.89
 (C) LM. 4.30 TO LM. 4.83
 (C) LM. 6.33 TO LM. 6.55
 (D) LM. 3.89 TO LM. 4.03
 (E) LM. 6.65 TO LM. 7.75
 (F) LM. 7.75 TO LM. 7.92



TYPICAL SECTION
 (G) LM. 4.83 TO LM. 4.96
 (H) LM. 4.96 TO LM. 5.06
 (I) LM. 5.06 TO LM. 5.25
 (J) LM. 5.75 TO LM. 6.33
 (K) LM. 6.55 TO LM. 6.65

PROPOSED PAVEMENT SCHEDULE	
①	SURFACE @ 1.25" THICK (APPROX. 132.5 LB/S.Y.) 411-02.10 ACS MIX(PG 76-22) GRADING D
②	TACK COAT @ 0.1 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
③	COLD PLANING @ 1.25" THICK 415-01.01 COLD PLANING BITUMINOUS PAVEMENT (TON)

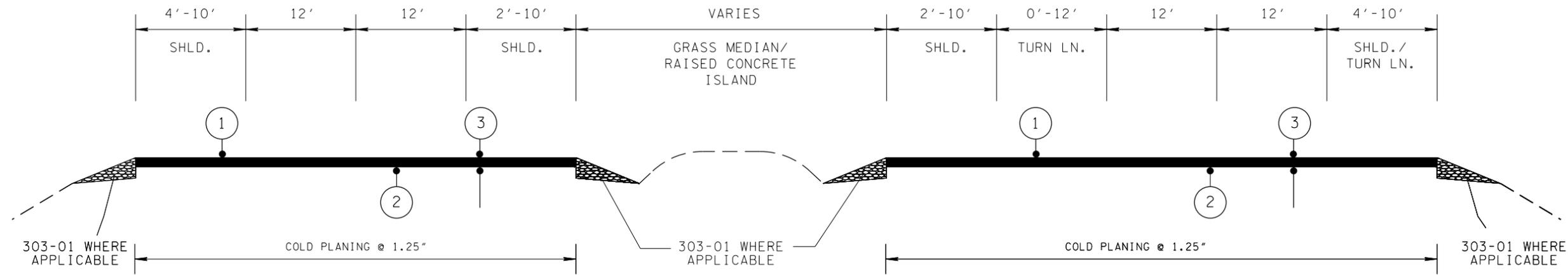
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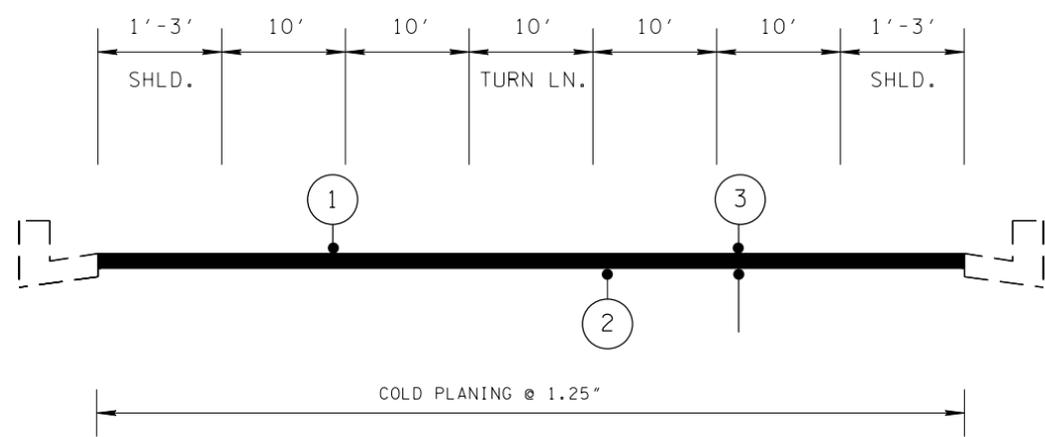
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TYPICAL SECTIONS AND PAVEMENT SCHEDULE

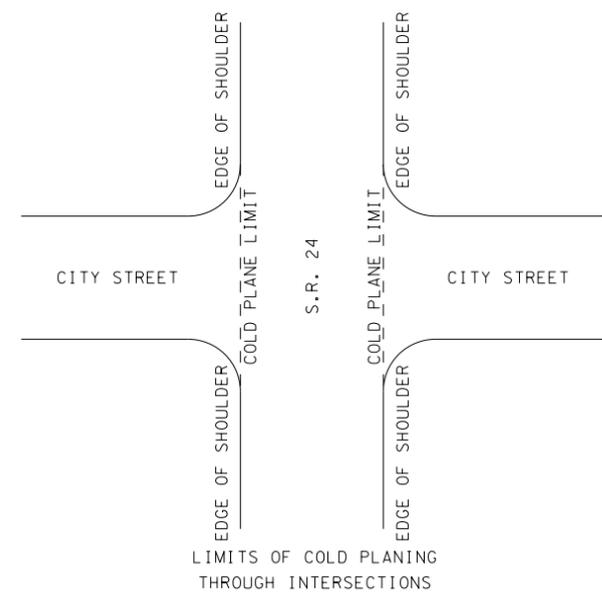
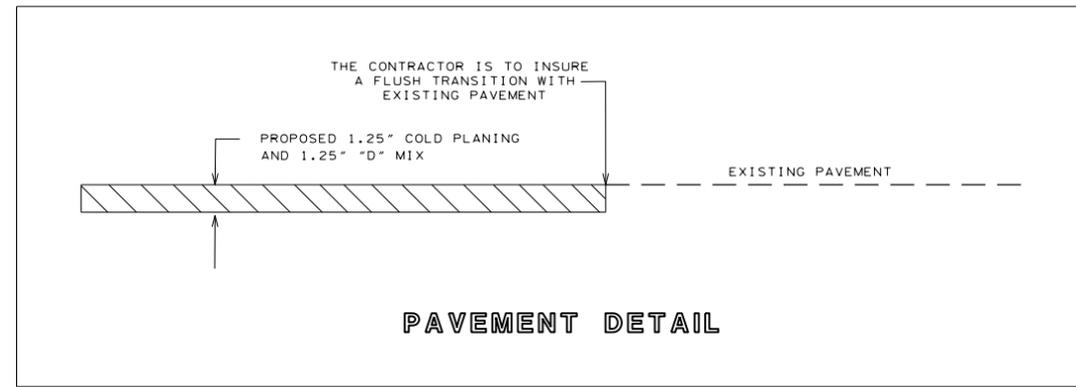
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2B



TYPICAL SECTION
LM. 5.25 TO LM. 5.75



TYPICAL SECTION
LM. 7.92 TO LM. 8.13



SPECIAL PAVING NOTE

ALL SHOULDERS WILL BE DEGRASS / CLIPPED AND CLEANED OF ALL VEGETATION, GRASS, AND DEBRIS. SEE SPECIAL NOTES. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

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TYPICAL
SECTIONS
AND
PAVEMENT
SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2C

GENERAL NOTES

GUARDRAIL

- (1) THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.

UTILITIES

- (2) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (3) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (4) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

MISCELLANEOUS

- (6) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.
- (7) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

- (8) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

FINAL PAVEMENT MARKING IF 6" ENHANCED FLATLINE THERMOPLASTIC IS USED

- (9) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

FINAL PAVEMENT MARKING IF 8" ENHANCED FLATLINE THERMOPLASTIC IS USED

- (10) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 8" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.03, ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE), L.F. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

FINAL PAVEMENT MARKING IF 6" SPRAY THERMOPLASTIC (60 mil) IS USED

- (11) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" SPRAY THERMOPLASTIC (60 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.02, SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

PAVEMENT

PAVING

- (12) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.
- (13) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

RESURFACING

- (14) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (15) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.
- (16) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

SIGNING

- (17) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.
- (18) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.
- (19) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

SIGNALIZATION

- (20) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.
- (21) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED

INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.

- (22) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.
- (23) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (24) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (25) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (26) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (27) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (28) USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (29) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (30) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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**GENERAL
NOTES**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2D

GENERAL NOTES CONTINUED

EROSION PREVENTION AND SEDIMENT CONTROL

LITTER, DEBRIS, WASTE, PETROLEUM

- (32) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.
- (33) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

SPECIAL NOTES

UTILITIES

- (1) AT THE CLOSE OF DAILY OPERATION ALL UTILITY COVERS, RIMS AND BOXES AS WELL AS CATCHBASINS IN THE TRAVELED WAY SHALL BE LEFT IN A SAFE CONDITION. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE LEFT IN SUCH A HAZARDOUS CONDITION AS TO CAUSE DAMAGE TO VEHICLES OR ACCIDENTS. THE CONTRACTOR SHALL ACCEPT FULL RESPONSABILITY FOR ANY DAMAGE TO VEHICLES OR PERSONAL INJURIES RESULTING FROM HIS FAILURE TO EITHER DEFINE THE LOCATION OR PROTECT THE OBSTACLE BY RAMPING AROUND IT WITH BITUMINOUS MATERIAL.
- (2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY MANHOLE, WATER VALVE OR CATCHBASIN COVERS THAT ARE NECESSARY IN ORDER TO PERFORM THE REQUIRED WORK. THE REMOVAL AND REPLACEMENT OF THESE COVERS WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PROVIDED PAY ITEMS.

MISCELLANEOUS

- (3) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK AND INCLUDE ALL COSTS THEREOF IN THE PRICES BID FOR OTHER ITEMS OF CONSTRUCTION: REPAIR OF SHOULDERS AND DITCHES. SHOULDERS SHALL BE DEGRADED, MATERIAL SHALL BE PICKED UP AND REMOVED. CLEANING AND STRAIGHTENING ENDS OF EXISTING SIDEDRAINS AND CROSSDRAINS WHERE DIRECTED BY THE ENGINEER.
- (4) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND EXISTING GUARDRAIL, HIGHWAY SIGNS, OR ANY DEPARTMENT OF TRANSPORTATION STRUCTURE TO AVOID DAMAGE DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE WILL BE REPLACED OR REPAIRED AT HIS OWN EXPENSE.

PAVEMENT MARKINGS

- (5) THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH AND LOCATE ALL NO-PASSING ZONES. THE ESTABLISHMENT OF NO-PASSING ZONES IS TO BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009, PART III, MARKING. ALL NO-PASSING ZONES WILL BE APPROVED BY THE ENGINEER WITH ADVICE FROM THE REGIONAL TRAFFIC ENGINEER PRIOR TO THE MARKING APPLICATION.
- (6) THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT. EXISTING MARKINGS SHALL BE REFERENCED AS NEEDED TO ENSURE THAT ALL NEW MARKINGS ARE REPLACED IN THEIR CORRESPONDING LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- (7) APPROVED BY THE ENGINEER WITH ADVICE FROM THE REGIONAL TRAFFIC ENGINEER PRIOR TO THE MARKING APPLICATION.

- (8) THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT. EXISTING MARKINGS SHALL BE REFERENCED AS NEEDED TO INSURE THAT ALL NEW MARKINGS ARE REPLACED IN THEIR CORRESPONDING LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

PAVEMENT

PAVING

- (9) SURFACE TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (10) ALL STRUCTURES (DRAINAGE STRUCTURES, MANHOLES, UTILITY BOXES, ETC.) SHALL HAVE A FINISHED GRADE COMPATIBLE WITH THE FINISHED GRADE OF THE ROADWAY.

RESURFACING

- (11) DURING COLD PLANING OPERATION, A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION WILL REMAIN OPEN.
- (12) AFTER ANY COLD PLANING OPERATION, TEMPORARY STRIPING WILL BE REQUIRED BEFORE RETURNING TRAFFIC ONTO EXCAVATED ROADWAY.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (13) THE CONSTRUCTION SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (14) ONE ADVANCE ROAD CONSTRUCTION AHEAD SIGN IS TO BE PLACED ON ALL SIDE ROADS PRIOR TO THEIR INTERSECTION WITH THE PROPOSED PROJECT. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OR CONTRACTORS SUPERINTENDENT.

EROSION PREVENTION AND SEDIMENT CONTROL

FOR GUARDRAIL TERMINALS

- (15) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR THE TYPE 38 TERMINALS TO ENSURE THAT ENVIRONMENTAL FEATURES (STREAMS, WETLANDS, OR SPRINGS) ARE NOT IMPACTED DURING CONSTRUCTION. IF THE CONTRACTOR / TDOT INSPECTOR IS UNSURE WHETHER THE ENVIRONMENTAL FEATURES ARE STREAMS, SPRINGS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY OR PERMITS SECTION SO AN ACCURATE DETERMINATION CAN BE ASSESSED.
- (16) DURING CONSTRUCTION OF THE EARTH PADS FOR THE TYPE 38 GUARDRAIL TERMINALS, EXISTING VEGETATION WILL BE REQUIRED TO BE REMOVED FOR THE PROPOSED PAD AND SLOPES. IF DURING THE VEGETATION REMOVAL, ANY TREES GREATER THAN 3 INCHES IN DIAMETER ARE REQUIRED TO BE REMOVED, CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION IMMEDIATELY. DUE TO THE RECENT MODIFICATION OF THE USFWS STANCE REGARDING THE INDIANA BAT NO TREES > 3" DBH SHOULD BE CUT WITHOUT CLEARANCE FROM THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION.

NPDES

- (17) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS, BEFORE CLEANING OUT OR REMOVAL/REPLACEMENT OF DITCHES, SIDE DRAINS, AND CROSS DRAINS, TO ENSURE THAT THE DRAINAGE FEATURES / WATERCOURSES ARE NOT STREAMS OR WETLANDS. IF THE CONTRACTOR / TDOT INSPECTOR IS UNSURE WHETHER THE DRAINAGE FEATURES ARE STREAMS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION TO OBTAIN THE APPROPRIATE PERMITS.
- (18) DUE TO THE TYPE OF WORK IT IS OUR UNDERSTANDING THAT THE PROJECT WILL NOT DISTURB MORE THAN ONE ACRE. IF THE DISTURBED AREA IS MORE THAN ONE ACRE, PLEASE CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION BECAUSE A NPDES PERMIT WILL BE REQUIRED.

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- (19) DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

- 1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES:
 - a. WARNING SIGNS, UNEVEN PAVEMENT (W8-11) AND/OR SHOULDER DROP-OFF (W8-9A), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
 - b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

WORK RESTRICTIONS

- (20) NO WORK WILL BE PERMITTED BETWEEN THE HOURS OF 5:30 AM TO 8:00 PM (NIGHT WORK ONLY).

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**GENERAL NOTES
AND
SPECIAL NOTES**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2E

SIGNS (CONSTRUCTION) 712-06				
QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT XX MILES	64 x 24	22
2	G20-2	END ROAD WORK	48 x 24	16
2	W20-1	ROAD WORK 1 MILE	48 x 48	32
2	W20-1	ROAD WORK 1/2 MILE	48 x 48	32
2	W20-1	ROAD WORK 1500'	48 x 48	32
38	W20-1	ROAD WORK AHEAD	36 x 36	342
2	W4-2R	LANE CLOSED MERGE RIGHT	48 x 48	32
2	W4-2L	LANE CLOSED MERGE LEFT	48 x 48	32
2	W20-5R	RIGHT LANE CLOSED AHEAD	48 x 48	32
2	W20-5L	LEFT LANE CLOSED AHEAD	48 x 48	32
2	W20-4	ONE LANE ROAD 1000' - PORTABLE	36 x 36	18
2	W20-7a	FLAGGER SYMBOL - PORTABLE	36 x 36	18
2	W16-2	SUPPLEMENTAL PLATE	24 x 18	6
2	W21-2	FRESH OIL - PORTABLE	36 x 36	18
2	W21-5	SHOULDER WORK - PORTABLE	36 x 36	18
6	W8-11	UNEVEN LANES - PORTABLE	36 x 36	54
TOTAL S.F.				682

OTHER SIGNS, AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION AND WILL BE MEASURED AND PAID FOR AT THE UNIT BID PRICE. SEE CURRENT M.U.T.C.D. FOR STANDARDS AND TYPICAL APPLICATIONS.

GUARDRAIL						
LOCATION (L.M.)	SIDE		METAL GUARD 705-01.04 (L.F.)	GUARDRAIL SINGLE 705-02.02 (L.F.)	ANCHOR TYPE 38 705-04.07 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)
	LT	RT				
3.76-3.79	X		50	25	2	
5.21		X			1	
7.82	X				1	
VARIOUS				200		
			50	225	4	0

HANDICAP RAMPS					
LOCATION	NEW	REPAIR	STD. DWG.	NEW 701-02.01 (S.F.)	REPAIR 716-10.30 (S.F.)
OLD HICKORY BLVD.		2	RP-H-3		16
WEST PARK SUBDIVISION		2	RP-H-3		16
DAVIDSON DRIVE		1	RP-H-3		8
CABOT DRIVE		2	RP-H-3		16
WATTS ROAD		1	RP-H-3		8
KROGER DRIVE		3	RP-H-3		24
OCEOLA		1	RP-H-3		8
WHITE BRIDGE ROAD		2	RP-H-3		16
TOTAL				0	112

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BRIDGE NOTES			
LOCATION	LENGTH (FT.)		RECOMMENDATION
L.M. 3.65	28		PAVE WITH PLANS QUANTITY
	RT LN	LT LN	
L.M. 5.38	19'-11"	16'-10"	VERTICAL CLEARANCE

UTILITY ADJUSTMENTS		
TYPE	OWNER	NUMBER
SEWER MANHOLE	HARPEATH VALLEY/METRO WATER & SEWER	35
TELEPHONE MANHOLE	AT&T	15
GAS VALVE	PIEDMONT NATURAL GAS	20
WATER VALVE	HARPEATH VALLEY/METRO WATER & SEWER	100

STATE STORM DRAIN ADJUSTMENTS	
CATCHBASINS	7
MANHOLES	6
AREA DRAINS	17
CATCH BASIN REWORKS	6

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TABULATED
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2F

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS

NO EXCLUSIONS
NO EQUATIONS

ROADWAY/BIKEWAY PLAN CHARLOTTE AVE WHITE BRIDGE RD TO BROWNS CREEK

INDEX OF SHEETS

SHEET NO.	SHEET NAME
1	TITLE SHEET
2-2A	TOTAL ESTIMATED QUANTITIES AND DETAILS
3-3H	PROPOSED LAYOUT SHEET



TDOT
PAVING PROJECT

TOTAL PAVING PROJECT LENGTH 4.40 Mi.

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY METRO PUBLIC WORKS 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 MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

PAVING MANAGER DONALD REID

DESIGNED BY BIKE AND PEDESTRIAN COORDINATOR JASON RADINGER

CHECKED BY CHIP KNAUF, P.E.

TDOT MANAGED PROJECT

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			

TITLE SHEET
CHARLOTTE AVE
WHITE BRIDGE RD TO BROWNS CREEK
PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	N.T.S.
SHEET NO.:	1

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DEPARTMENT OF TRANSPORTATION

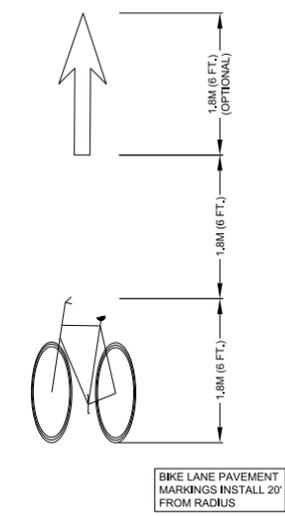
BIKE
PLANS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2G

SIGNS AND ROADWAY STRIPING QUANTITIES			
ITEM	DESCRIPTION	QTY.	UNIT
713-11.01	"U" SECTION STEEL POST	1505	LBS.
713-16.20	SIGNS (R3-17) BIKE LANE	22	EACH
713-16.21	SIGNS (R3-17bP) "ENDS"	2	EACH
713-16.22	SIGNS (R3-17aP) "AHEAD"	1	EACH
713-16.23	SIGNS (W16-18P) "FYG" "NOTICE"	12	EACH
713-16.24	SIGNS (R4-11) "MAY USE FULL LANE"	6	EACH
713-16.25	SIGNS (D11-1) BIKE ROUTE	5	EACH
713-16.26	SIGNS (M6-6 RL)	4	EACH
713-16.27	SIGNS (M6-4)	1	EACH
713-16.28	SIGNS (R5-3)	1	EACH
713-16.29	SIGNS (W11-1)	5	EACH
713-16.30	SIGNS (M4-6)	1	EACH
713-16.31	SIGNS (R4-4)	6	EACH
713-16.50	REMOVE AND REPLACE SIGN (SIGNS)	6	EACH
716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	2000	S.Y.
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	866	L.F.
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	49	EACH
716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	210	L.F.
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	890	L.F.
716-02.12	PLASTIC PAVEMENT MARKING (8" LINE)	0.27	LM.
716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	7	EACH
716-04.02	PLASTIC PAVEMENT MARKING (DOUBLE TURNING ARROW)	9	EACH
716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	48	S.F.

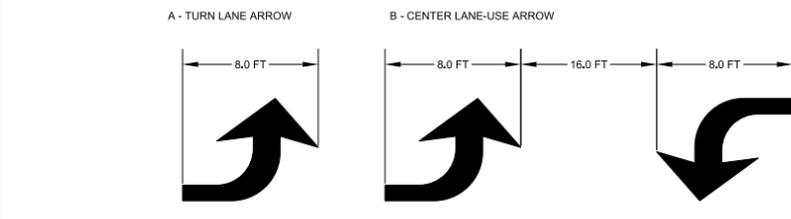
BIKEWAY STRIPING QUANTITIES			
ITEM	DESCRIPTION	QTY.	UNIT
716-12.02	ENHANCED FLATLINE THERMO PVMT MARKING (6" LINE)	23.18	LM.
716-12.05	ENHANCED FLATLINE THERMO PVMT MARKING (6" DOTTED LINE)	13.015	L.F.
716-13.02	SPRAY THERMO PVMT MARKING (6" LINE)	7.62	LM.
716-03.09	PLASTIC PAVEMENT MARKING (SHARROW)	1	EACH
716-04.15	PLASTIC PAVEMENT MARKING (BIKE SYMBOL/ARROW)	87	EACH
716-05.01	PAINTED PAVEMENT MARKING (4" LINE TEMPORARY)	30.57	LM.

BIKEWAY PROJECT SHALL COORDINATE WITH TDOT



3 QUANTITIES
(NOT TO SCALE)

TRAFFIC DATA		
ROADWAY	LIMITS	MPH
CHARLOTTE PK	750' WEST OF WHITE BRIDGE RD TO 1000' EAST OF WOODLANDS WAY	45

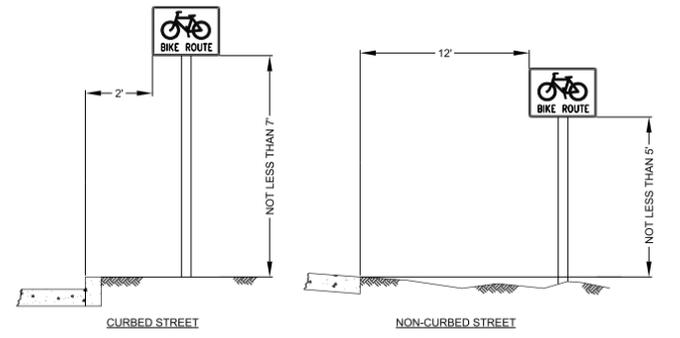


2 TURN LANE ARROWS
(NOT TO SCALE)

NOTE:
• REFER TO MUTCD 2009 EDITION PART 3 FIGURE 3B-24, EXAMPLES OF STANDARD ARROWS FOR PAVEMENT MARKINGS

****SPECIAL NOTE(S):**

- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.).
- THE BASE SURVEY AND DESIGN INFORMATION FOR ROADWAY PRESENTED ON THIS PLAN WERE PROVIDED BY METRO NASHVILLE PUBLIC WORKS AND IS BASED ON GIS INFORMATION. WHERE AVAILABLE, BASE INFORMATION HAS BEEN SUPPLEMENTED BY FIELD OBSERVATIONS BY THE DESIGNER. METRO NASHVILLE PUBLIC WORKS MAKES NO CLAIMS AS TO THE COMPLETENESS OR ACCURACY OF THE PROVIDED BASE INFORMATION.
- PLAN DESIGN IS BASED ON EXISTING CONDITIONS AS OF 9/5/14.
- PROPOSED ITEMS SHOWN SHALL BE COORDINATED WITH TDOT PAVING OFFICE.
- TRAFFIC DEPT OR CONTRACTORS ARE RESPONSIBLE FOR INSTALLATION OF SIGN ITEMS.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ROADWAY MARKINGS.
- SHARROW AND BIKE LANE PAVEMENT MARKING SHALL BE PLACED PER DIRECTION OF TDOT REPRESENTATIVE.
- SHARROW AND BIKE LANE PAVEMENT MARKING SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS.



HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

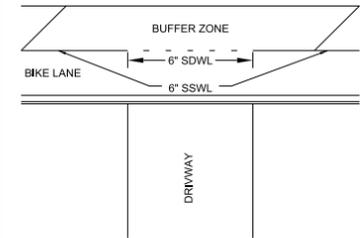
SIGN INSTALLATION NOTES:

- ALL SIGNS SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS SHOWN ON PLAN SHEETS. ANY DEVIATION MUST BE APPROVED BY THE METROPOLITAN DEPARTMENT OF PUBLIC WORKS.
- SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM CONTROL DEVICES, AND SHALL HAVE THE HEIGHT AND CLEARANCE SPECIFICATIONS SHOWN ON THIS SHEET.
- ALL SIGNING EQUIPMENT AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE T.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 713 - HIGHWAY SIGNING, AND WITH THE SPECIFICATIONS OF METROPOLITAN NASHVILLE AND DAVIDSON COUNTY.

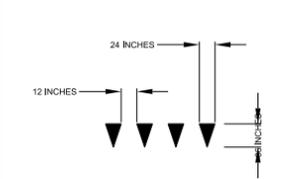
1 HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS
(NOT TO SCALE)

SIGN SCHEDULE					
SIGN #	SIGN	DESCRIPTION	MUTCD	SIZE	QTY.
1	BIKE LANE	BIKE LANE	R3-17	24"x18"	22
2	AHEAD	"AHEAD" PLAQUE	R3-17bP	24"x8"	1
3	ENDS	"ENDS" PLAQUE	R3-17aP	24"x8"	2
4	NOTICE	"NOTICE" PLAQUE	W16-18P	24"x12"	12
5	MAY USE FULL LANE	BICYCLES MAY USE FULL LANE	R4-11	30"x30"	6
6	BIKE ROUTE	BIKE ROUTE	D11-1	24"x18"	5
7	DIRECTIONAL ARROW	DIRECTIONAL ARROW	M6-6 R	12"x9"	2
8	DIRECTIONAL ARROW	DIRECTIONAL ARROW	M6-6 L	12"x9"	2
9	BICYCLE ROUTE ARROW SIGNS	BICYCLE ROUTE ARROW SIGNS	M6-4	12"x9"	1
10	COMBINED LANE	COMBINED LANE	R5-3	24"x24"	1
11	BICYCLE WARNING "FYG"	BICYCLE WARNING "FYG"	W11-1	24"x24"	5
12	RT TURN YIELD TO BIKES	RT TURN YIELD TO BIKES	R4-4	36"x30"	6
13	END	DIRECTIONAL ARROW	M4-6	12"x6"	1

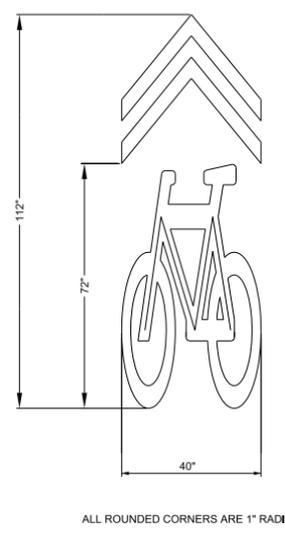
4 SIGN SCHEDULE
(NOT TO SCALE)



8 STRIPING DETAIL AT DRIVEWAYS
(NOT TO SCALE)



5 YIELD LINE DETAIL
(NOT TO SCALE)



6 SHARROW DETAIL**
(NOT TO SCALE)

MPW/TDOT STANDARD DRAWINGS		
DRAWING NO.	DESCRIPTION	DIVISION
T-M-1	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS	ROADWAY
T-M-2	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS	ROADWAY
T-M-3	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS	ROADWAY
T-M-4	STANDARD INTERSECTION PAVEMENT MARKINGS	ROADWAY

REVISIONS	
NO.	DATE
1	12-14-14
2	
3	
4	
5	
6	
7	
8	
9	
10	

QUANTITIES AND DETAIL SHEET
CHARLOTTE AVE
WHITE BRIDGE RD TO BROWNS CREEK
DAVIDSON COUNTY, TENNESSEE

UNOFFICIAL SET NOT FOR BIDDING

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	N.T.S.
SHEET NO.:	2

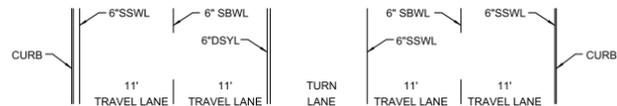
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BIKE PLANS

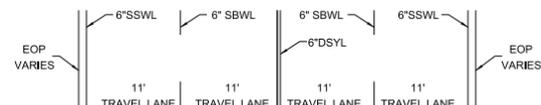
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2H

NOTE: CATCH BASIN LIDS SHALL HAVE GRATE OPENINGS PERPENDICULAR TO TRAFFIC.

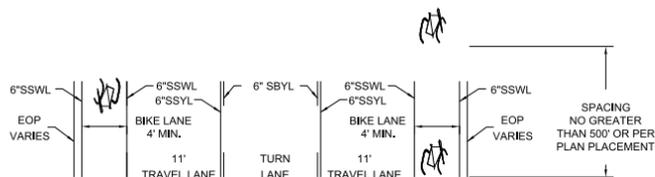
ROADWAY SECTION DETAILS (SECTION A-A)



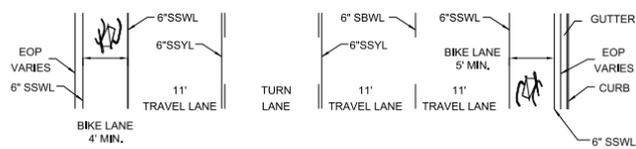
ROADWAY SECTION DETAILS (SECTION B-B)



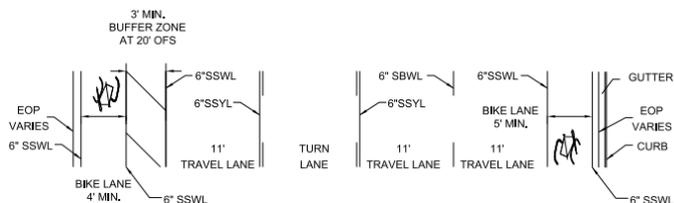
ROADWAY SECTION DETAILS (SECTION C-C)



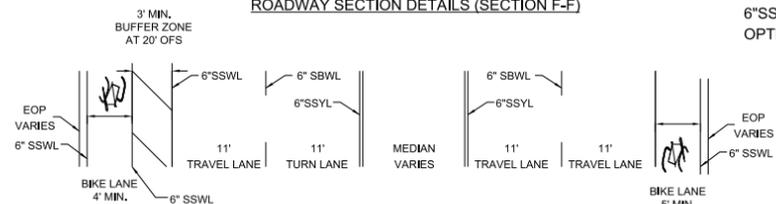
ROADWAY SECTION DETAILS (SECTION D-D)



ROADWAY SECTION DETAILS (SECTION E-E)

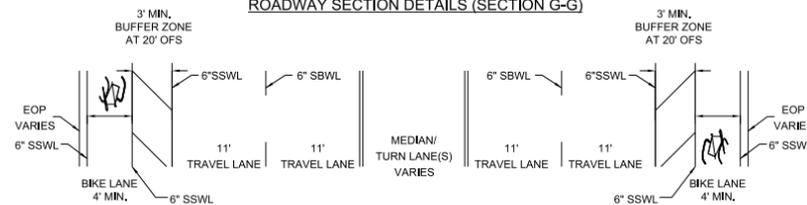


ROADWAY SECTION DETAILS (SECTION F-F)

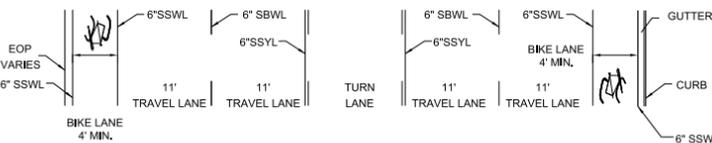


*NOTE: IF BIKE LANE WIDTH AND EDGE OF ASPHALT FROM 6"SSWL IS GREATER THAN 4', 6"SSWL SHALL BE REQUIRED. IF BIKE LANE WIDTH AND EDGE OF ASPHALT FROM 6"SSWL IS EQUAL TO 4', 6"SSWL SHALL BE OPTIONAL.

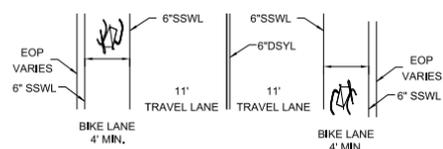
ROADWAY SECTION DETAILS (SECTION G-G)



ROADWAY SECTION DETAILS (SECTION H-H)



ROADWAY SECTION DETAILS (SECTION H)



10 ROADWAY TYPICAL SECTION DETAIL (NOT TO SCALE)

NO.	DATE	BY	DESCRIPTION
1	12-18-14	WJR	REVISED PAVT WIDTH PER LAYOUT
2			
3			
4			

QUANTITIES AND DETAIL SHEET
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

SEE INSERT A4 FOR MATCH LINE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	N.T.S.
SHEET NO:	2A

**UNOFFICIAL
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 BIDDING**

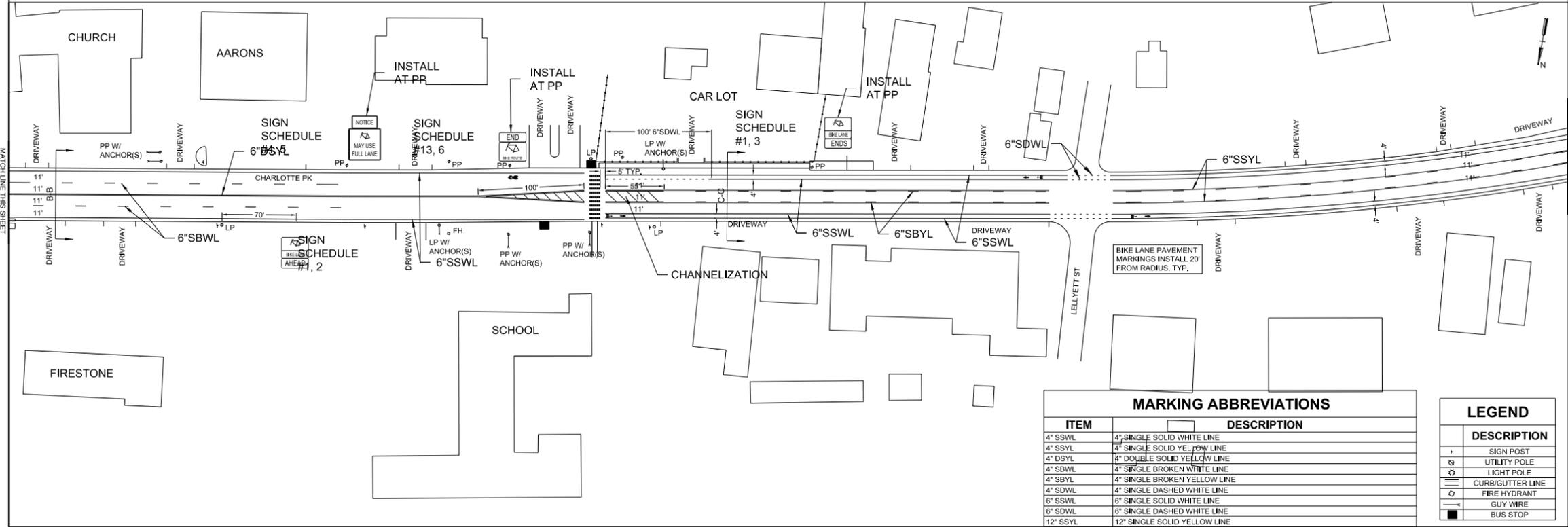
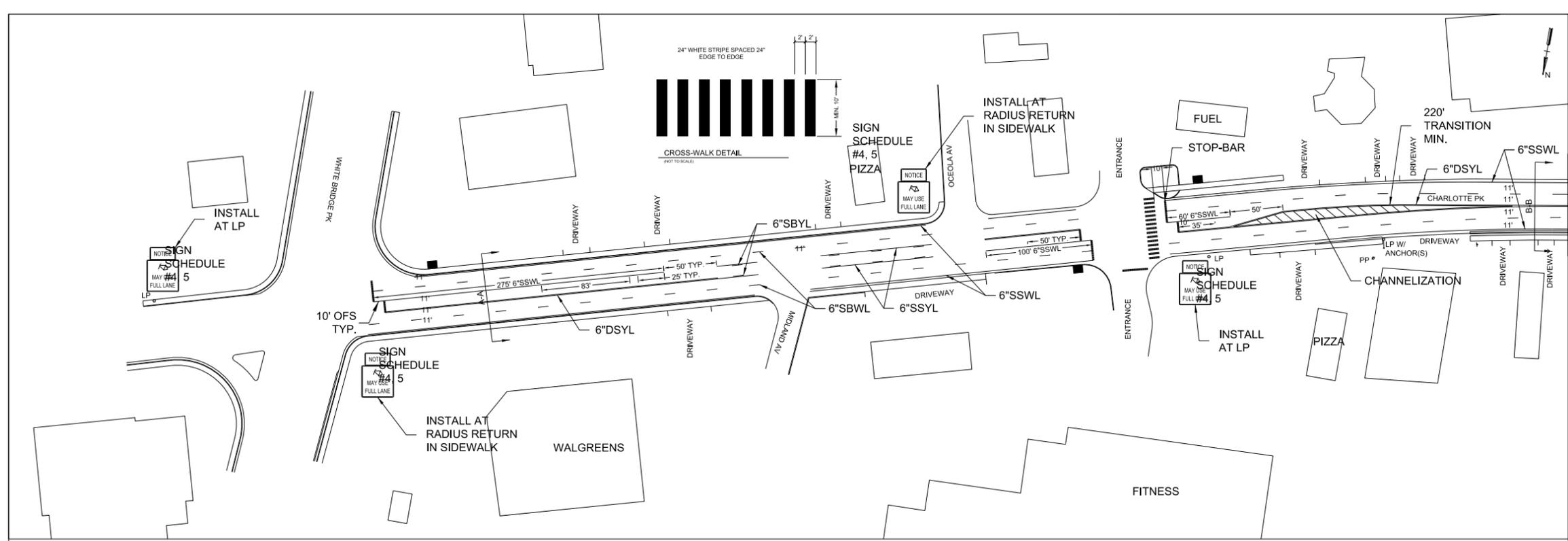
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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**BIKE
 PLANS**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	21



MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	SYMBOL
SIGN POST	+
UTILITY POLE	⊕
LIGHT POLE	⊙
CURB/GUTTER LINE	▬
FIRE HYDRANT	⊕
GUY WIRE	—
BUS STOP	■

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	12-18-14	MJR	REVISED PAVT AND SIGN LAYOUT
2			
3			
4			

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO.:	3

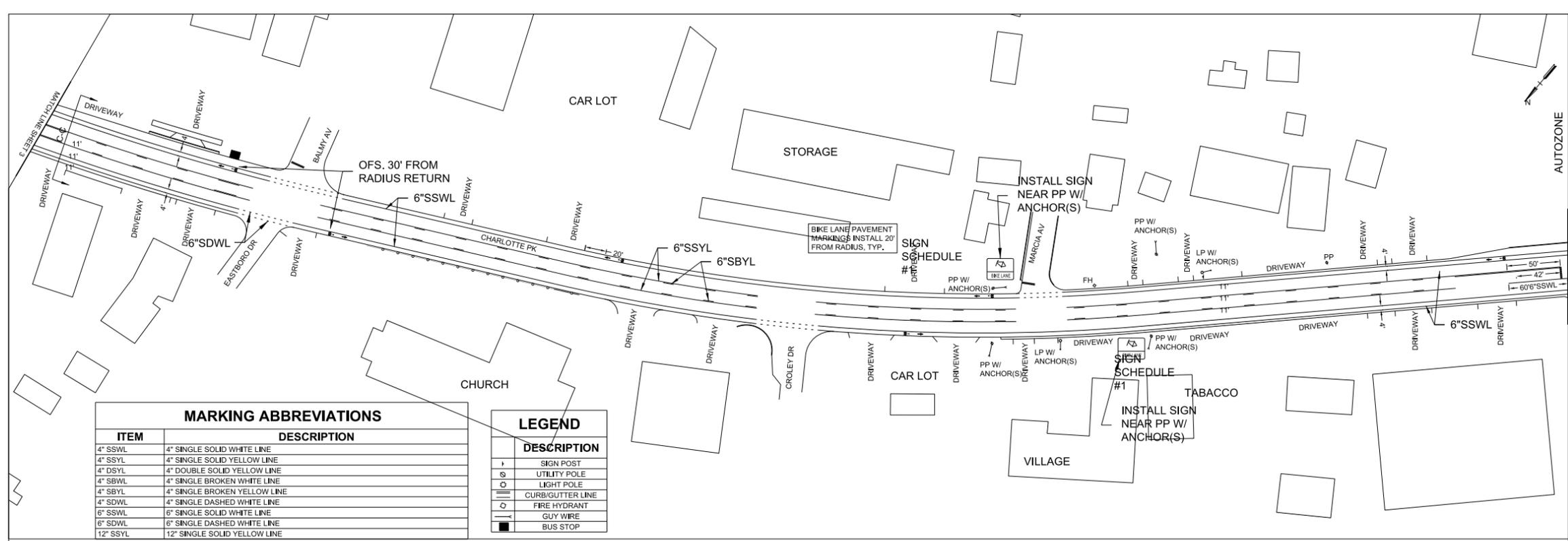
UNOFFICIAL SET
NOT FOR BIDDING
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 DEPARTMENT OF TRANSPORTATION

BIKE PLANS

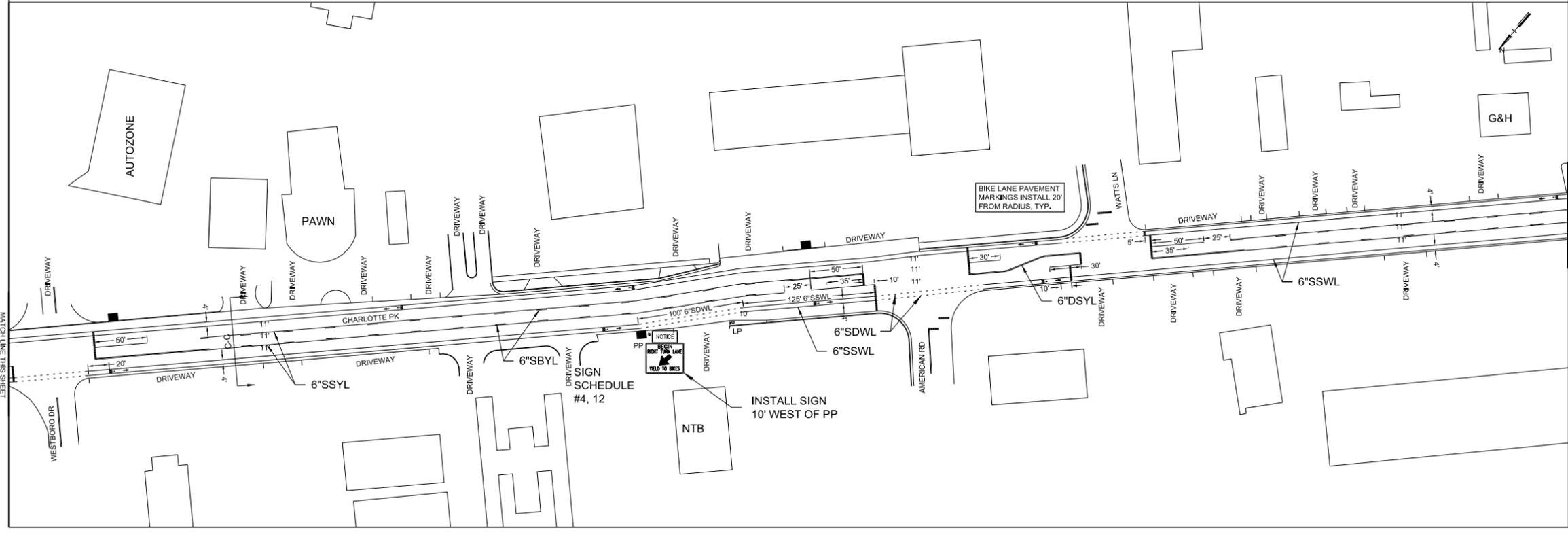
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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2J



MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	
⊙	SIGN POST
⊕	UTILITY POLE
⊙	LIGHT POLE
—	CURB/GUTTER LINE
⊙	FIRE HYDRANT
—	GUY WIRE
■	BUS STOP



REVISIONS	
NO.	DESCRIPTION
1	REVISED PAVEMENT PER LAYOUT
2	
3	
4	

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 DAVIDSON COUNTY, TENNESSEE

DATE: 10/14
 DESIGNED BY: WJR
 DRAWN BY: WJR
 SUPERVISED BY: DLR
 CHECKED BY: CK
 PROJ. NO. 14-048
 SCALE: 1" = 100'
 SHEET NO: 3A

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

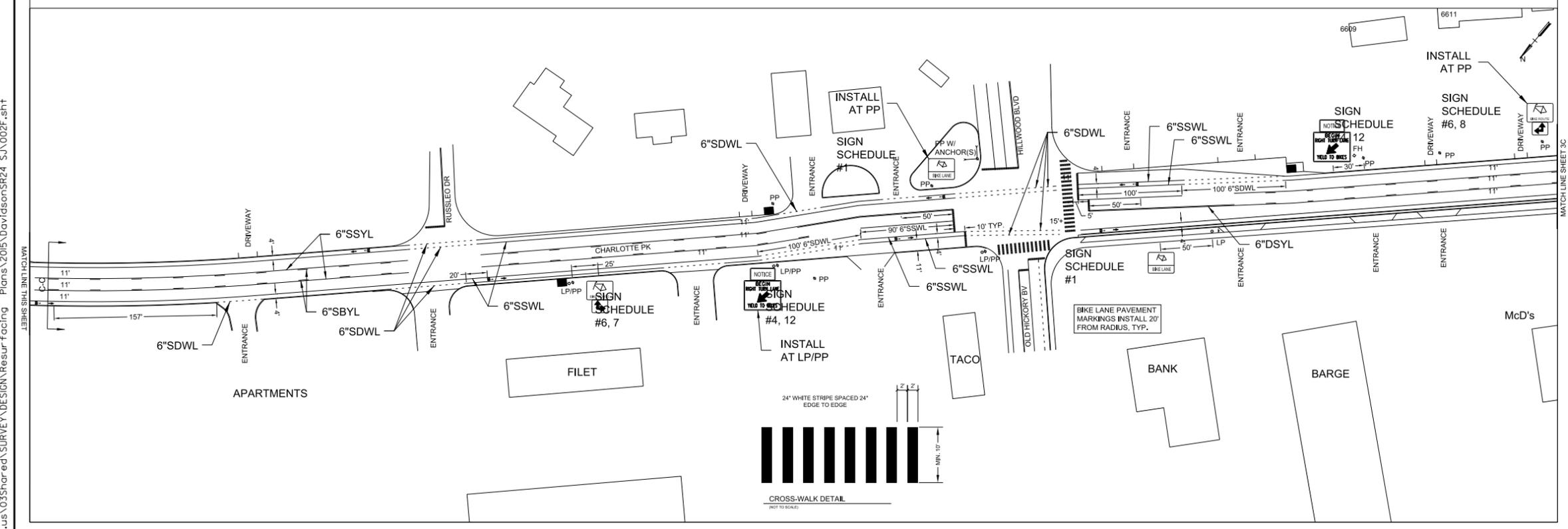
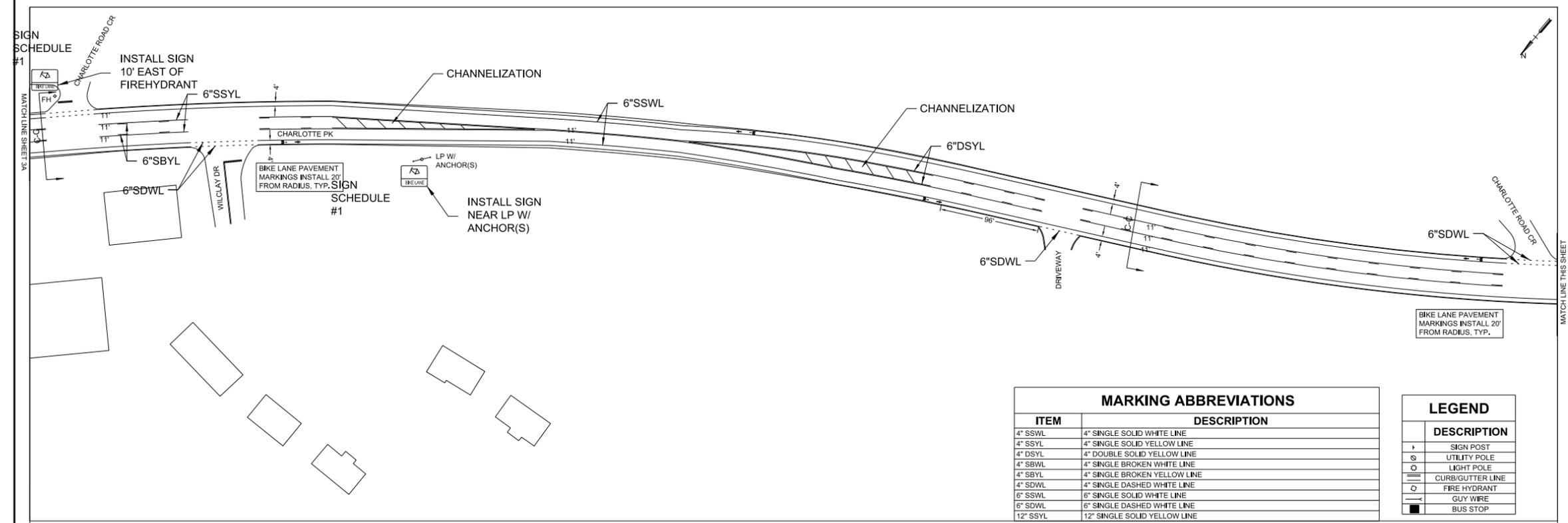
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**BIKE
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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2K



NO.	DATE	BY	DESCRIPTION
1	12-14-14	WJR	REVISED PAVT WITH PERMILATION
2			
3			
4			

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO:	3B

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

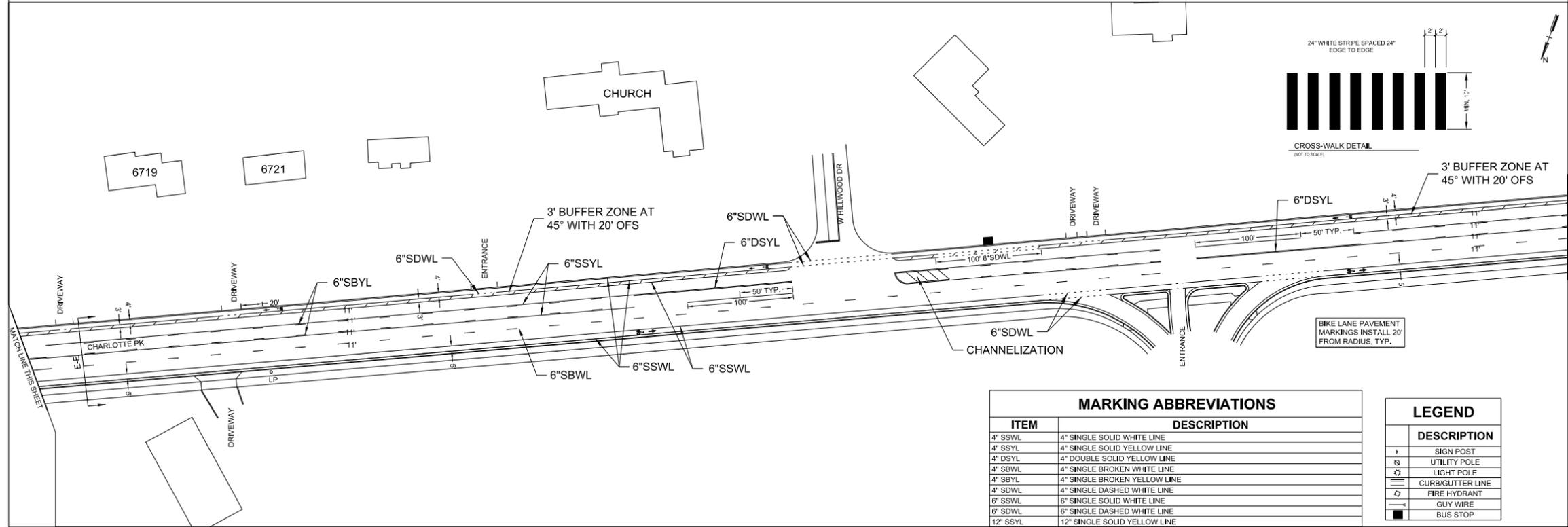
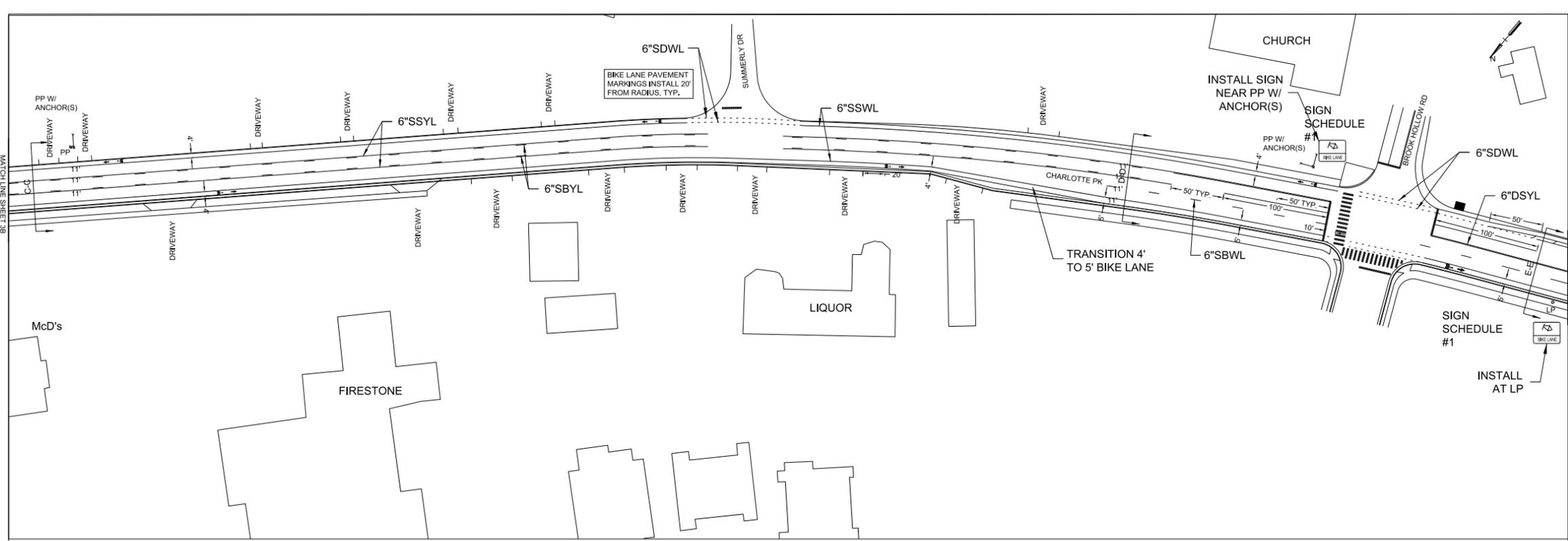
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**BIKE
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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2L



MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	SYMBOL
SIGN POST	+
UTILITY POLE	⊙
LIGHT POLE	⊙
CURB/GUTTER LINE	—
FIRE HYDRANT	⊙
GUY WIRE	—
BUS STOP	■

REVISIONS	
NO.	DESCRIPTION
1	REVISED PAVEMENT PER LAYOUT
2	
3	
4	

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

DATE: 10/14
 DESIGNED BY: WJR
 DRAWN BY: WJR
 SUPERVISED BY: DLR
 CHECKED BY: CK
 PROJ. NO.: 14-048
 SCALE: 1" = 100'
 SHEET NO: 3C

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

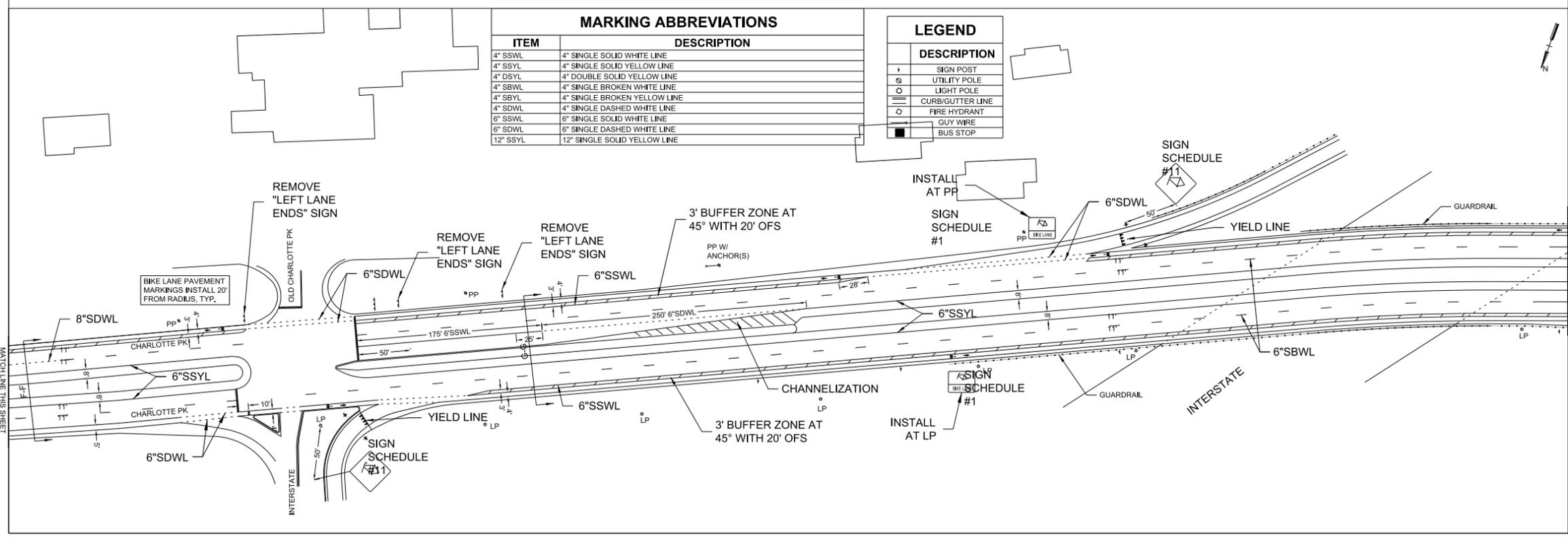
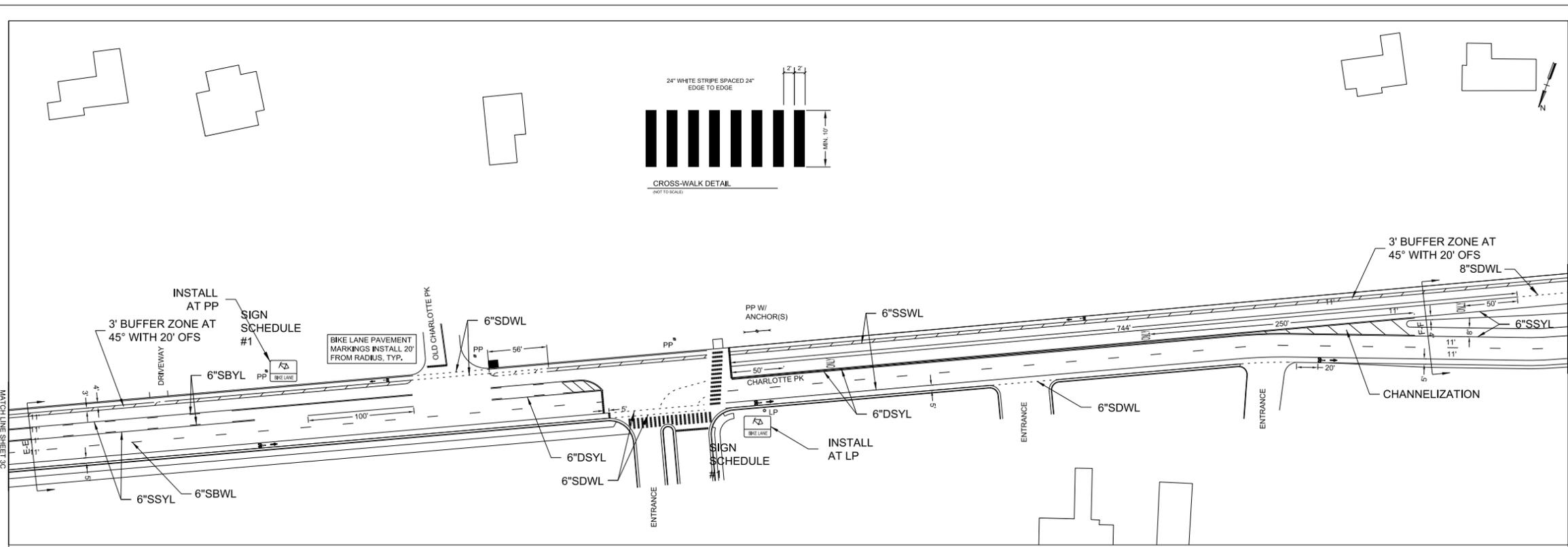
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**BIKE
 PLANS**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2M



REVISIONS	
NO.	DESCRIPTION
1	REVISED PAVEMENT PER SPECIFICATION
2	
3	
4	

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

UNOFFICIAL SET
NOT FOR BIDDING
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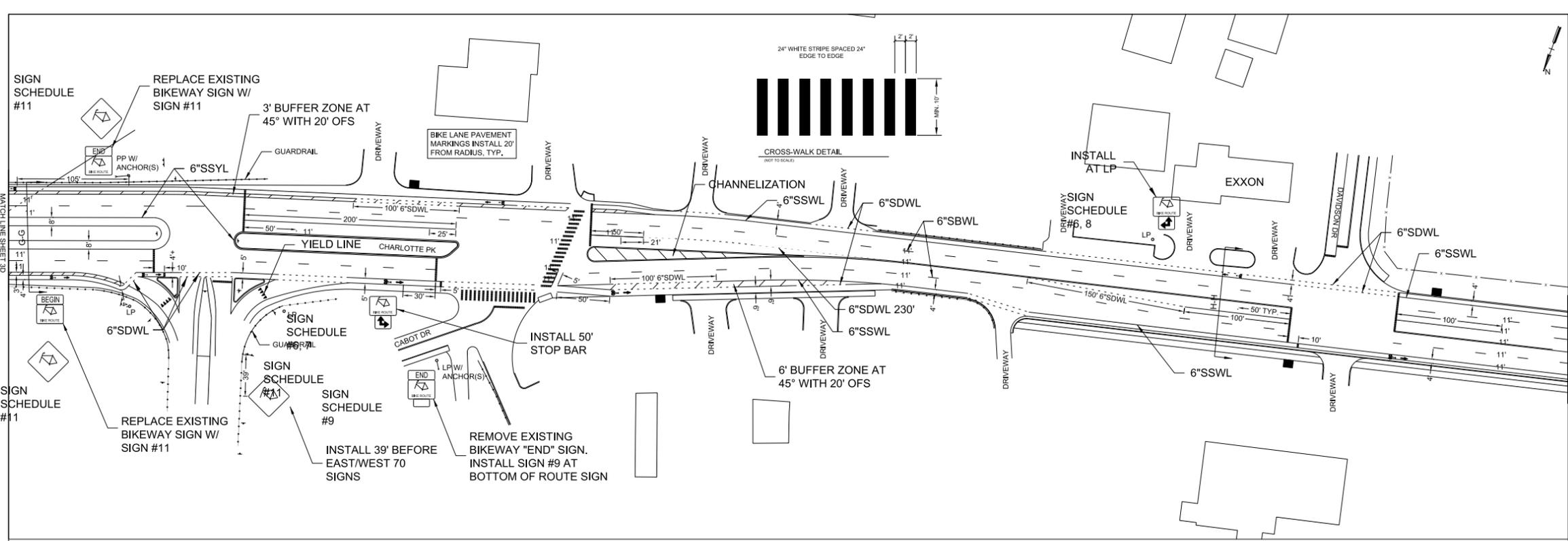
DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO:	3D

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

BIKE PLANS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2N

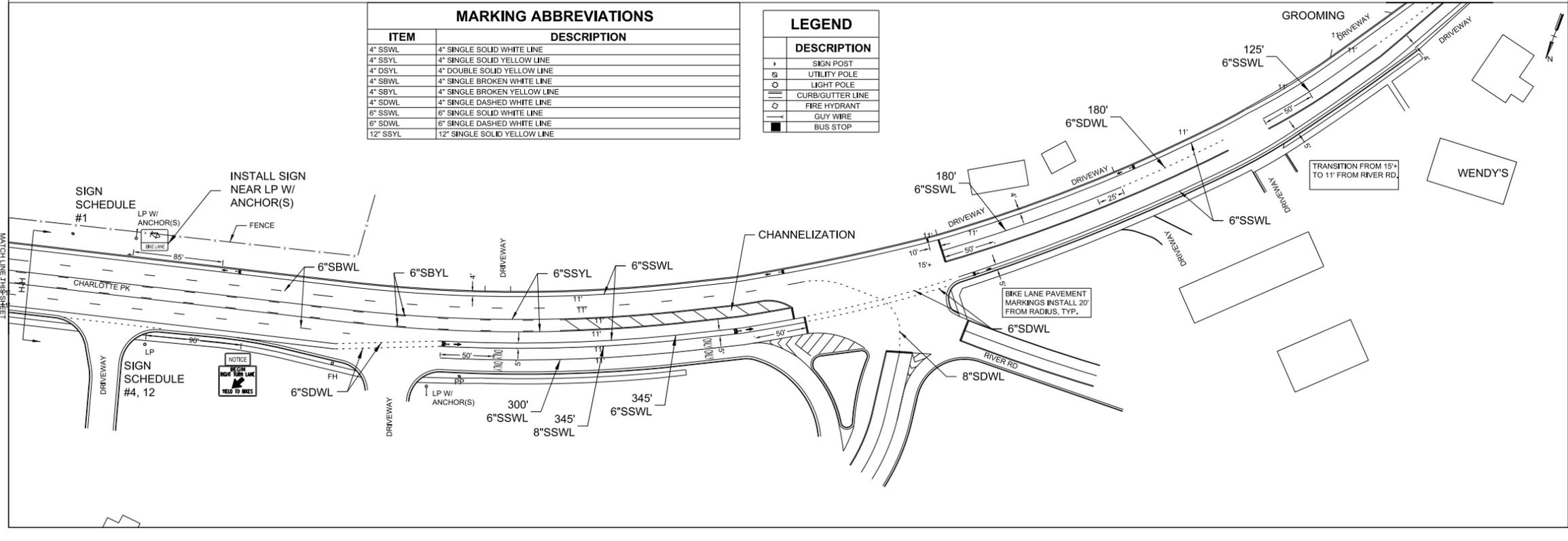


REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMITS
2	
3	
4	

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 DAVIDSON COUNTY, TENNESSEE

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	
+	SIGN POST
○	UTILITY POLE
○	LIGHT POLE
—	CURB/GUTTER LINE
—	FIRE HYDRANT
—	GUY WIRE
■	BUS STOP



DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO.:	3E

UNOFFICIAL SET
NOT FOR BIDDING
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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

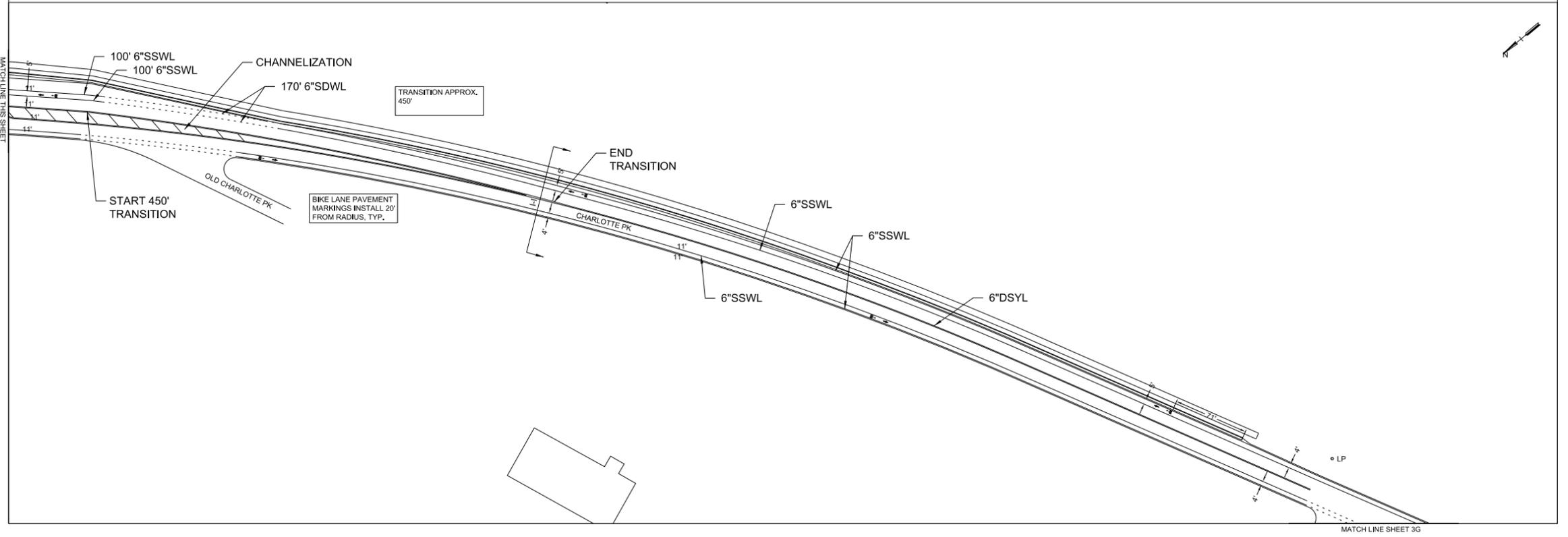
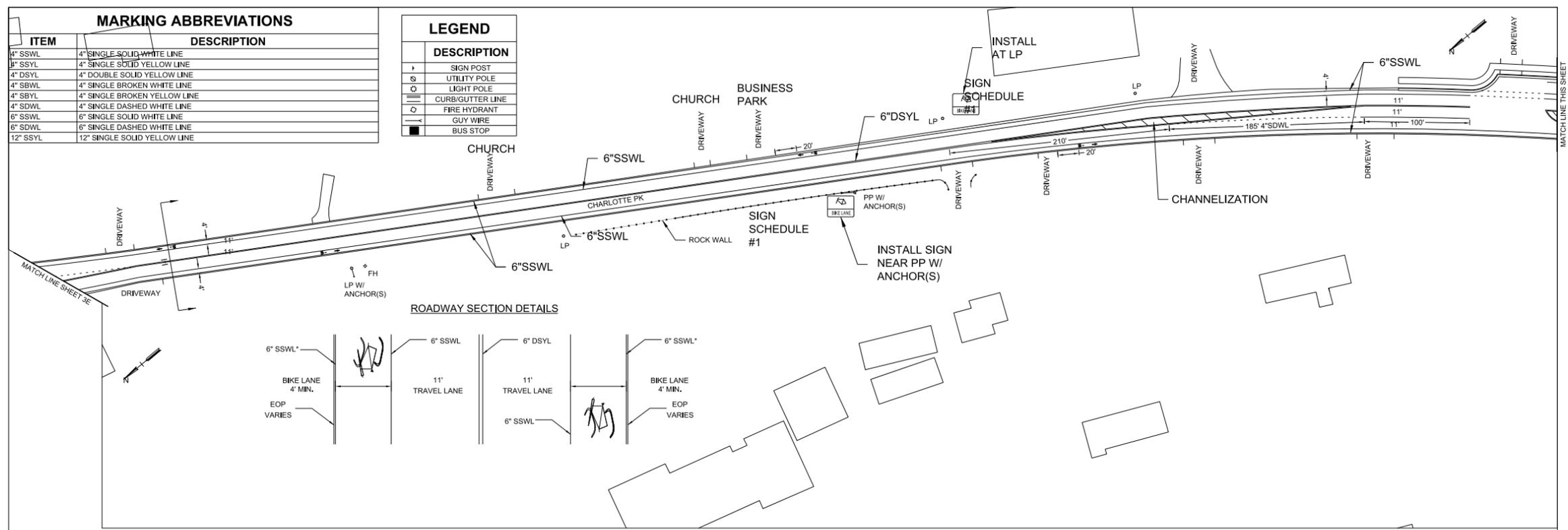
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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	20

MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	
⊙	SIGN POST
⊙	UTILITY POLE
⊙	LIGHT POLE
—	CURB/GUTTER LINE
⊙	FIRE HYDRANT
—	GUY WIRE
■	BUS STOP



REVISIONS		
NO.	DATE	DESCRIPTION
1	12-14-14	REVISED PLAN WITH PERMITS
2		
3		
4		

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO.:	3F

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

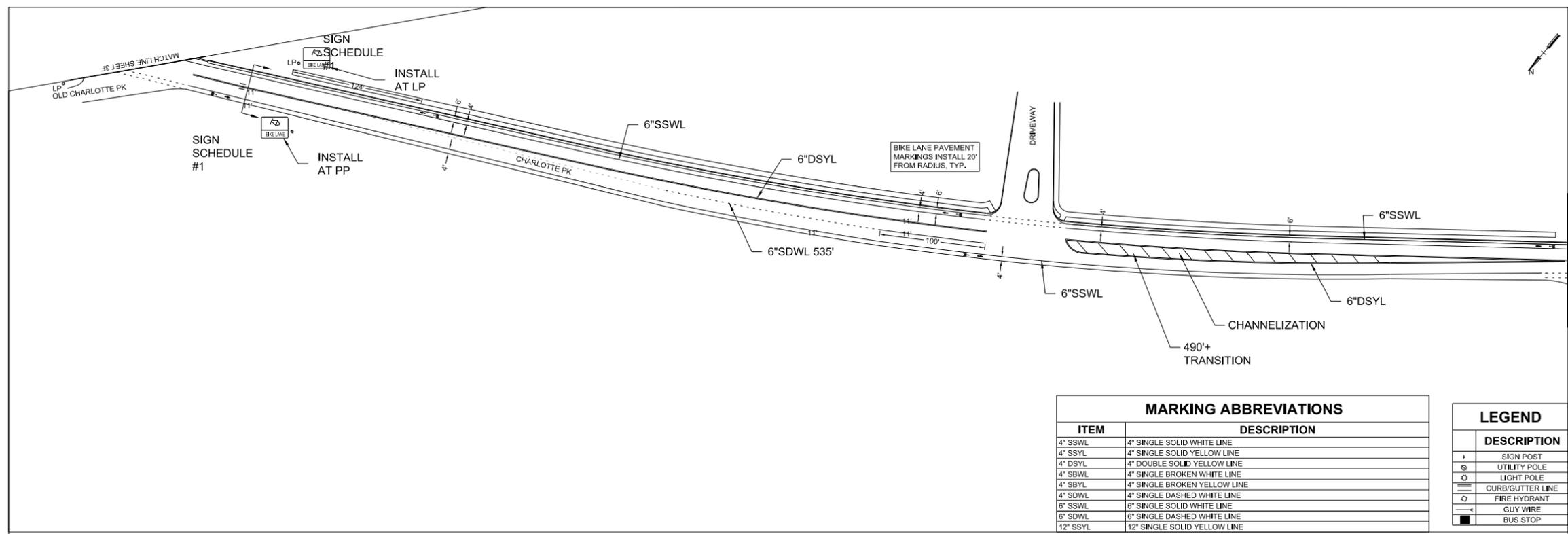
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 DEPARTMENT OF TRANSPORTATION

**BIKE
 PLANS**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	2P

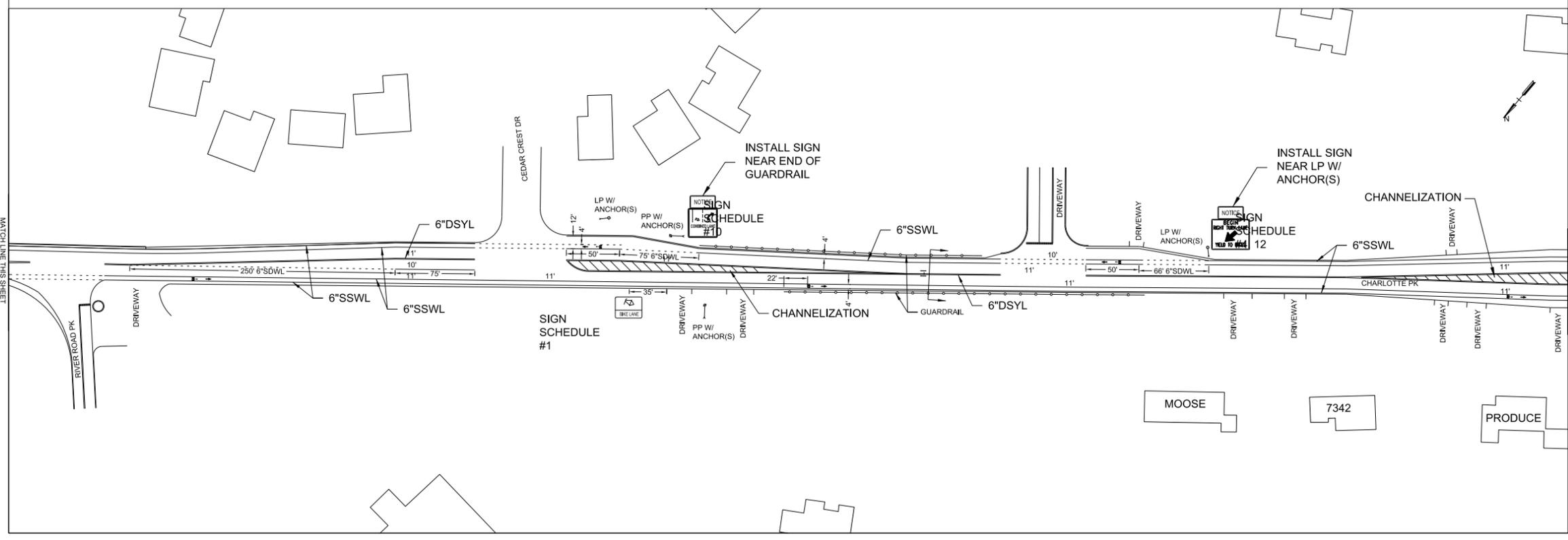


MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	SYMBOL
SIGN POST	+
UTILITY POLE	⊗
LIGHT POLE	⊙
CURB/GUTTER LINE	▬
FIRE HYDRANT	Q
GUY WIRE	—
BUS STOP	■

REVISIONS		
NO.	DATE	DESCRIPTION
1	10-14-14	REVISED PER APPROVAL LETTER
2		
3		
4		

PROPOSED LAYOUT
 CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE



DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO.:	3G

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

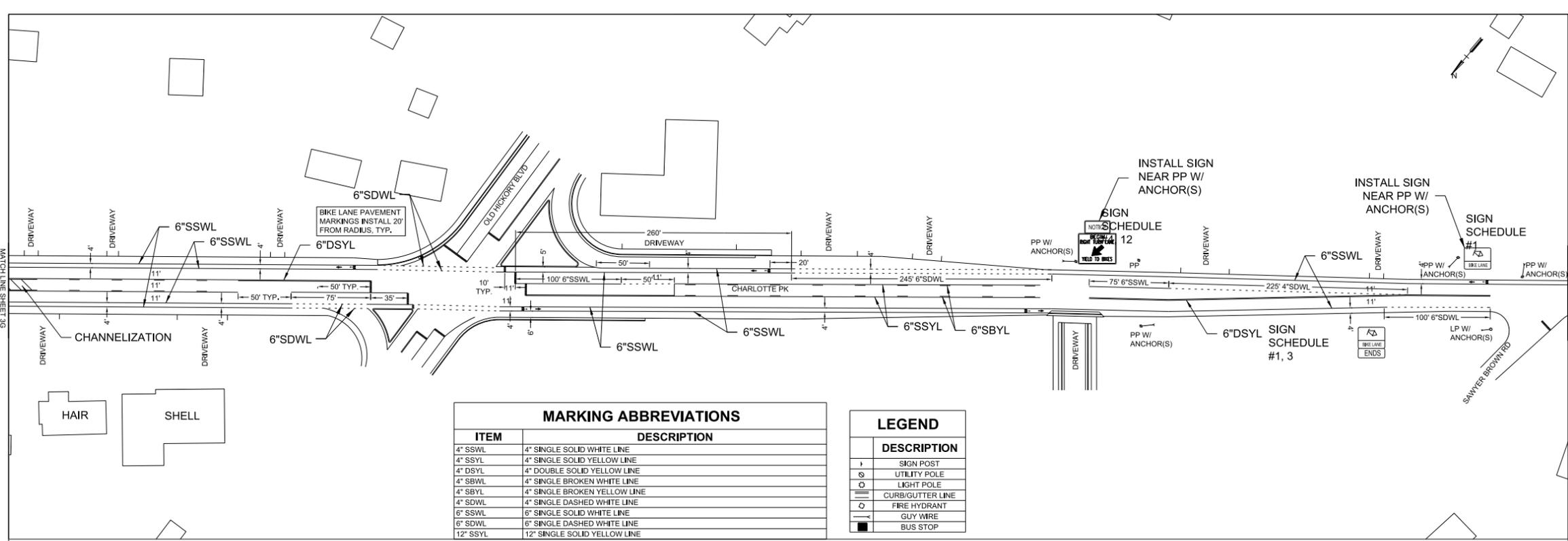
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**BIKE
 PLANS**

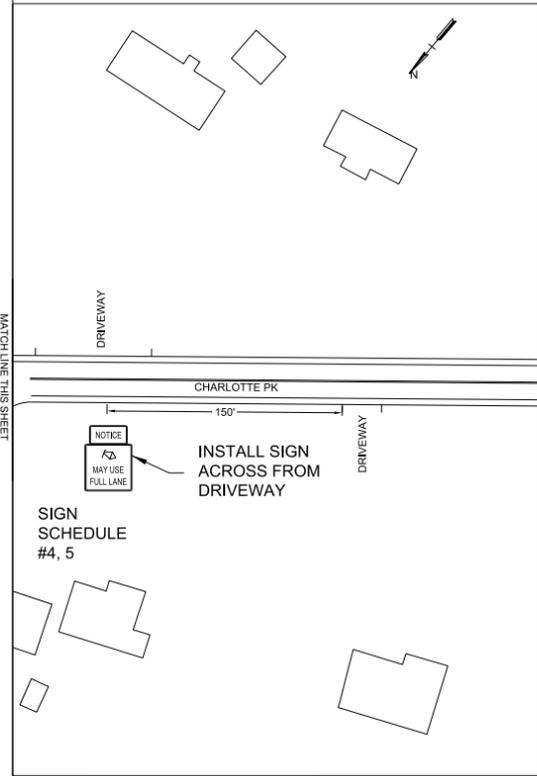
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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-24(58)	20



MARKING ABBREVIATIONS	
ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND	
DESCRIPTION	SYMBOL
SIGN POST	⊥
UTILITY POLE	⊙
LIGHT POLE	⊕
CURB/GUTTER LINE	—
FIRE HYDRANT	⊙
GUY WIRE	—
BUS STOP	■



REVISIONS	
NO.	DESCRIPTION
1	REVISED PER MTD PER LINE ITEM
2	
3	
4	

CHARLOTTE AVE
 WHITE BRIDGE RD TO BROWNS CREEK
 PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
 DAVIDSON COUNTY, TENNESSEE

DATE:	10/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-048
SCALE:	1" = 100'
SHEET NO.:	3H

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

SEALED BY

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**BIKE
 PLANS**

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