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CONTRACT: C204027 TIP PROJECT: I-5746 C

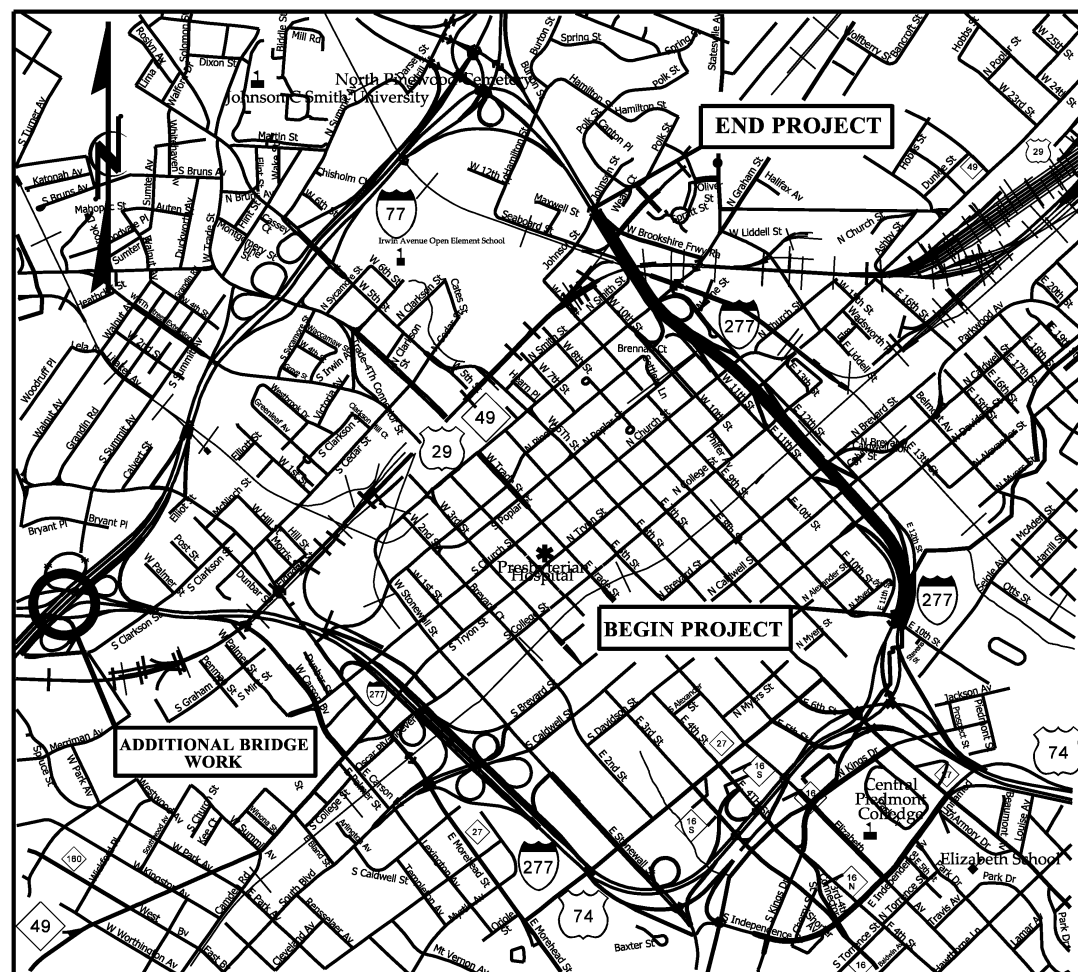
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

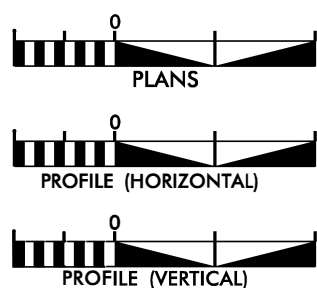
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C	1	
STATE PRJ. NO.	F.A. PRJ. NO.	DESCRIPTION	
52024.3.4	NHPIM-0277(019)		

LOCATION: I-277 BROOKSHIRE FRWY, I-77 TO EAST 10TH STREET,
RESURFACE ROADWAY AND REHABILITATE BRIDGES FROM
JOHNSON STREET TO EAST 10TH STREET

TYPE OF WORK: MILLING AND PAVING WITH HOT MIX ASPHALT
CONCRETE PAVEMENT REPAIR, PAVEMENT MARKINGS
SNOWPLOWABLE PAVEMENT MARKERS, AND BRIDGE
STRUCTURE WORK



GRAPHIC SCALES



DESIGN DATA

ADT 2016 = 96,000
ADT =
K = %
D = %
T = % *
V = 50 MPH
* TTST = DUAL

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 52024.3.4 = 0.918 MILES
LENGTH OF STRUCTURES PROJECT 52024.3.4 = 0.412 MILES
TOTAL LENGTH OF STATE PROJECT 52024.3.4 = 1.33 MILES

Prepared in the Office of
DIVISION OF HIGHWAYS
DIVISION 10

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NA

LETTING DATE:
OCTOBER 19, 2021

JOHN H. EDMONDS
PROJECT ENGINEER

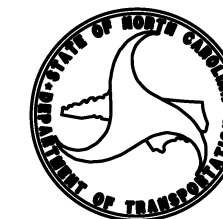
JOHN H. EDMONDS
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

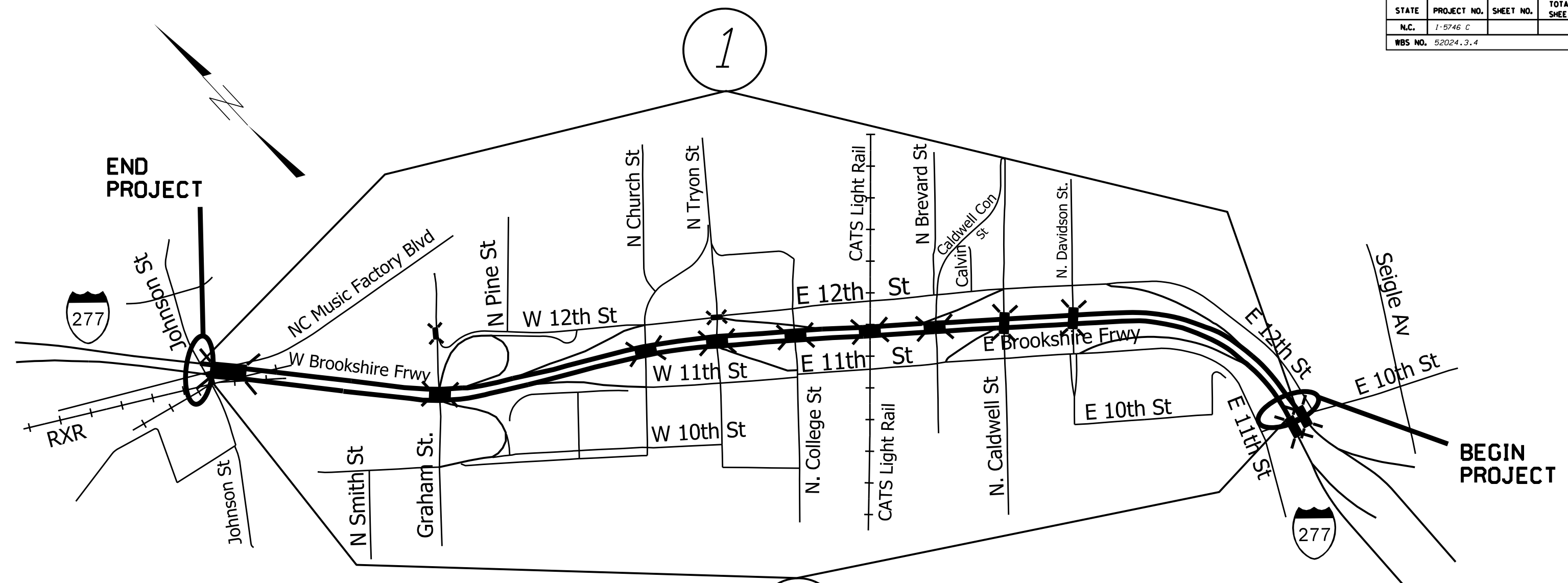
SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4			



CONSTRUCTION NOTES:

ASPHALT PLANT MIX SHALL NOT BE PLACED ON BRIDGE DECKS, SEE STRUCTURAL PLANS FOR BRIDGE REHAB TREATMENT.

MILL AND PAVE SHOULDERS ALONG THE LENGTH OF THE PROJECT, AS DIRECTED BY THE ENGINEER

REPLACE ALL DAMAGED AND MISSING CONTROL ACCESS FENCE ON THE MAINLINE WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.

REPLACE ALL STEEL BEAM GUARDRAIL, END UNITS AND ANCHOR UNITS ON THE MAINLINE WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.

EXISTING CONCRETE ROADWAY SLABS SHALL BE REPAIRED OR REPLACED PRIOR TO THE FINAL SURFACE OVERLAY, AS DIRECTED BY THE ENGINEER.

MAP

DESCRIPTION

1 I-277 WEST BOUND BROOKSHIRE FRWY

FROM WEST OF BRIDGE DECK OVER 10TH STREET TO WEST OF BRIDGE DECK OVER JOHNSON ST. (PAVEMENT PRESERVATION SEGMENTS 1E THROUGH 9E ARE EQUIVALENT TO MAP#1 AS SHOWN ON SHEET TMP-3)

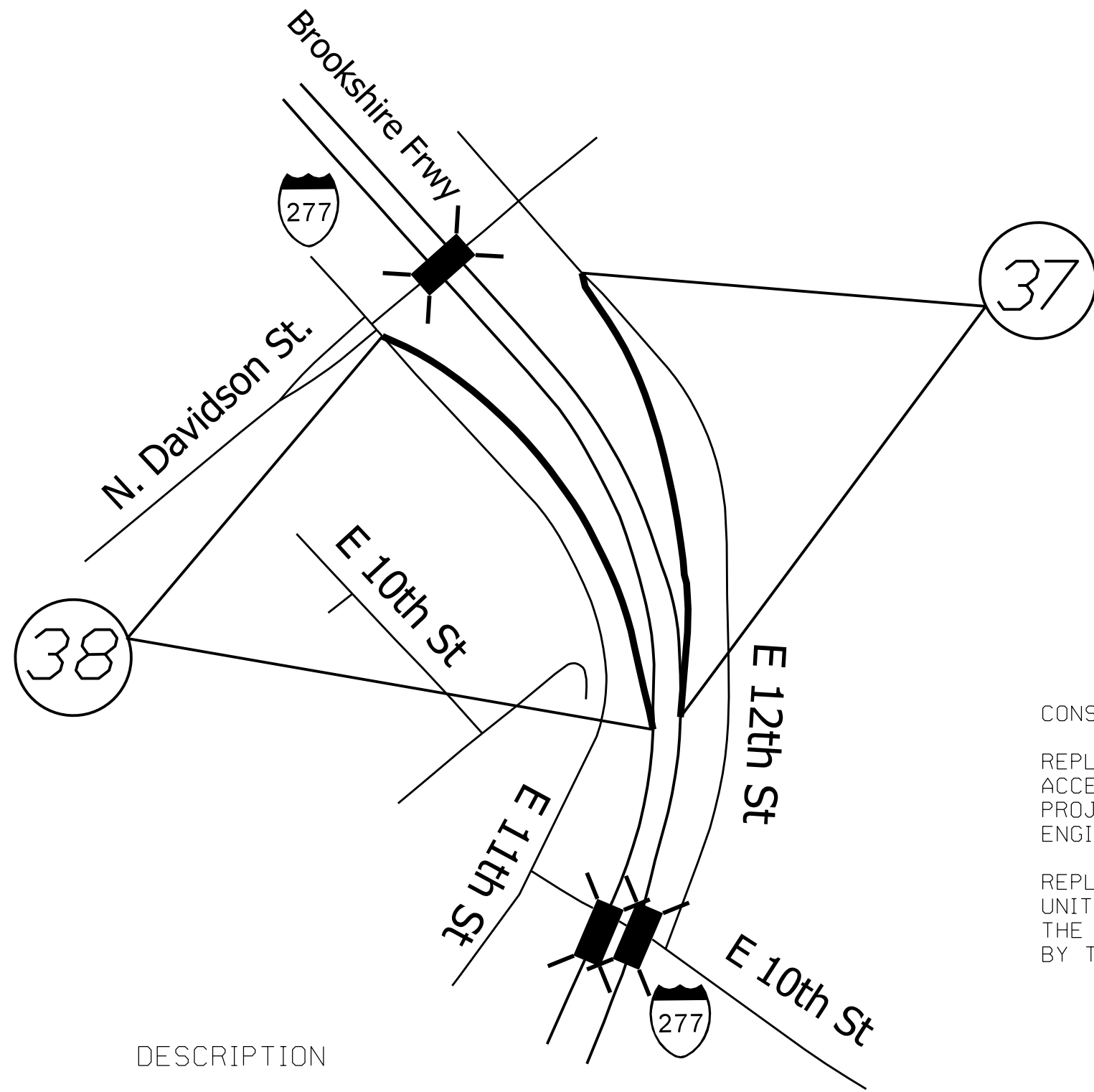
2 I-277 EAST BOUND BROOKSHIRE FRWY

FROM WEST OF BRIDGE DECK OVER JOHNSON ST. TO WEST OF BRIDGE DECK OVER 10TH ST. (PAVEMENT PRESERVATION SEGMENTS 10E THROUGH 18E ARE EQUIVALENT TO MAP#2 AS SHOWN ON SHEET TMP-3)

**I-5746 C INTERSTATE I-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY**

SCALE	-NA-		REVISIONS	
DATE	4/18		8/10/21	
DWG. BY	JHE			
DESIGN BY	JHE			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5746 C		
WBS NO.	52024.3.4		



CONSTRUCTION NOTES:

REPLACE ALL DAMAGED AND MISSING CONTROL ACCESS FENCE ON THE RAMPS WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

REPLACE ALL STEEL BEAM GUARDRAIL, END UNITS AND ANCHOR UNITS ON THE RAMPS WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.

MAP

DESCRIPTION

37 WB OFF RAMP

FROM END OF PHYSICAL GORE TO ASPHALT PAVEMENT JOINT AT 12TH ST.

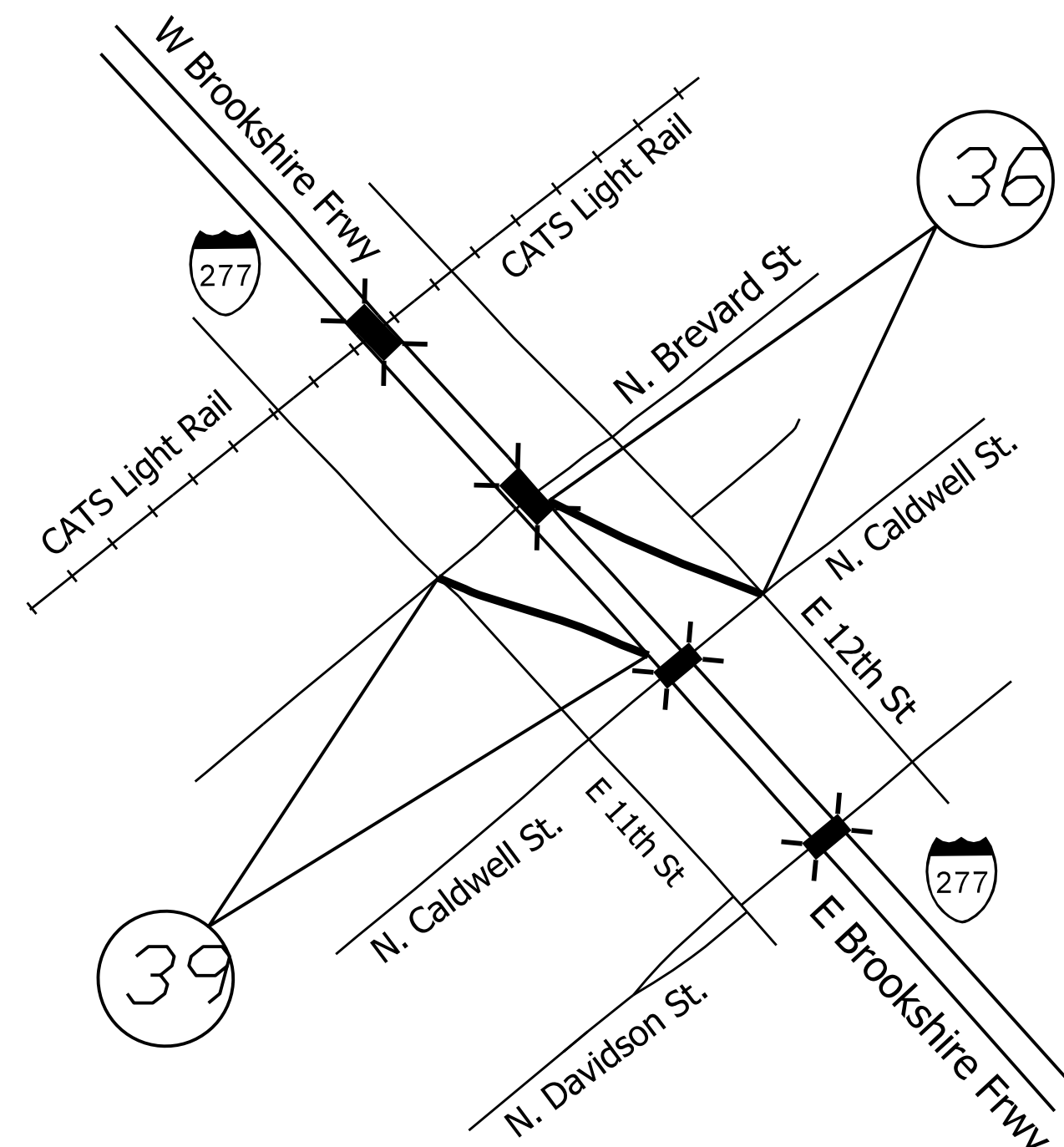
38 EB ON RAMP

FROM BEGINNING OF PHYSICAL GORE AT N. DAVIDSON ST. TO ASPHALT PAVEMENT JOINT AT BOTTOM OF RAMP.

1-5746 C INTERSTATE 1-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

SCALE	-NA-		REVISIONS
DATE	4/18		8/10/21
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4			



MAP

DESCRIPTION

36 WB ON RAMP

FROM ASPHALT JOINT AT N. CALDWELL ST TO BEGINNING OF PHYSICAL GORE

39 EB ON RAMP


FROM N. BREVARD ST TO ASPHALT PAVEMENT JOINT AT TOP OF RAMP

CONSTRUCTION NOTES:

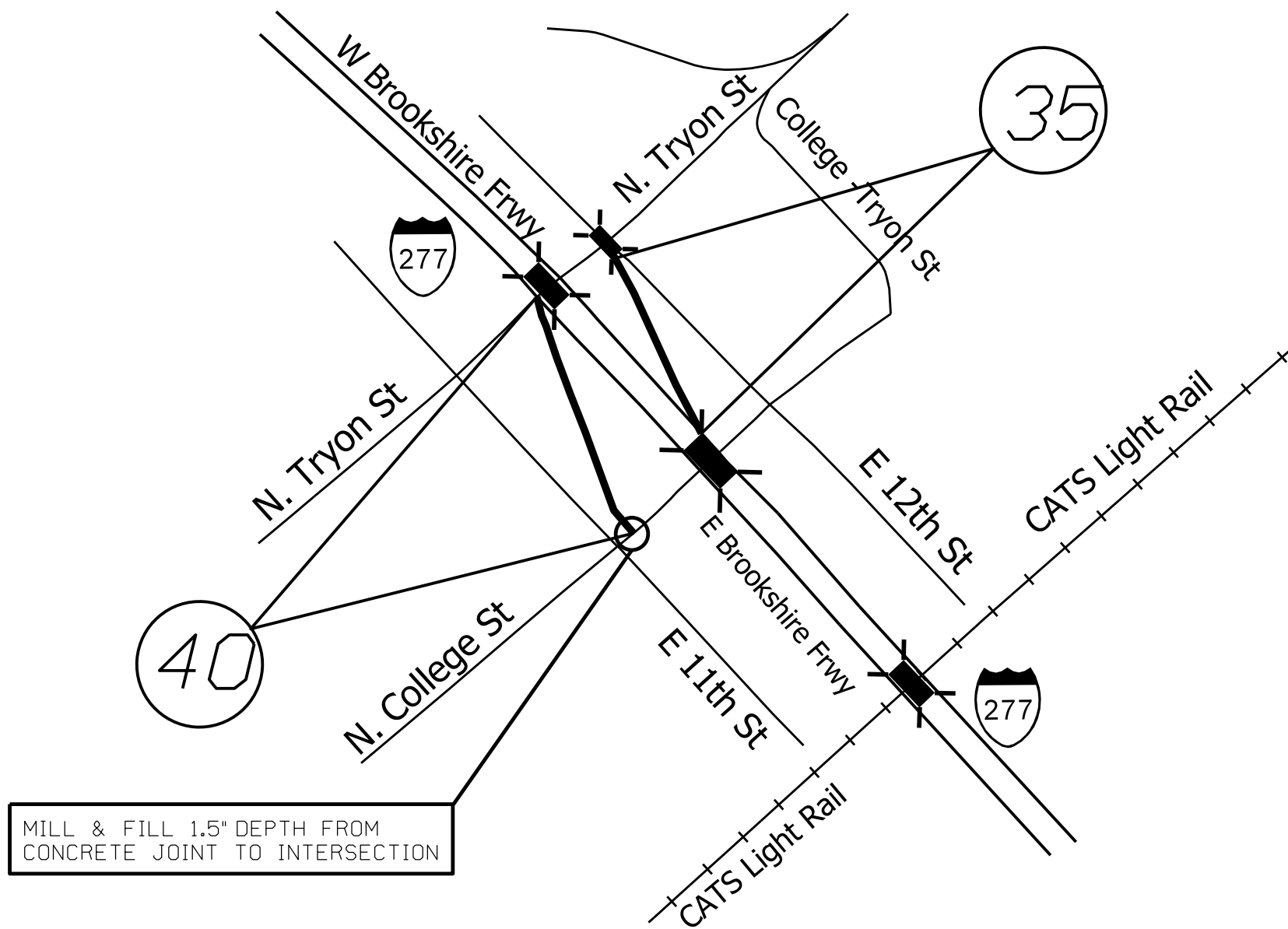
REPLACE ALL DAMAGED AND MISSING CONTROL ACCESS FENCE ON THE RAMPS WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

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I-5746 C INTERSTATE I-277 PAVEMENT REHABILITATION MECKLENBURG COUNTY		
SCALE	-NA-	REVISIONS
DATE	4/18	8/10/21
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5746 C		
WBS NO. 52024.3.4			



CONSTRUCTION NOTES:

REPLACE ALL DAMAGED AND MISSING CONTROL ACCESS FENCE ON THE RAMPS WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

REPLACE ALL STEEL BEAM GUARDRAIL, END UNITS AND ANCHOR UNITS ON THE RAMPS WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.

MAP

DESCRIPTION

35 WB OFF RAMP

FROM ASPHALT PAVEMENT JOINT TO BRIDGE DECK OVER N.TRYON ST

40 EB OFF RAMP

FROM ASPHALT PAVEMENT JOINT AT TOP OF RAMP TO N. COLLEGE ST

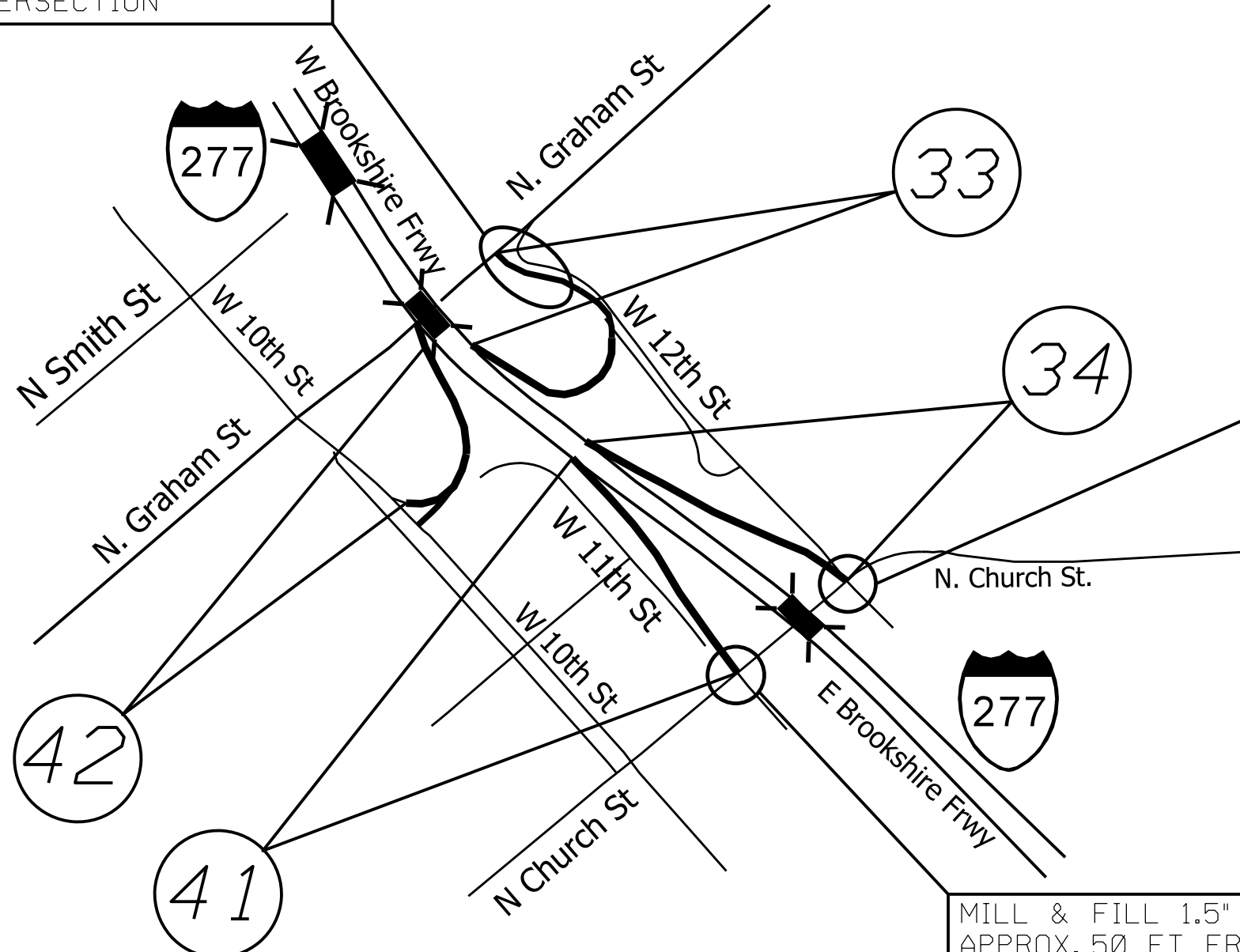
1-5746 C INTERSTATE 1-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

SCALE	-NA-		REVISIONS
DATE	4/18		8/10/21
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4			



MILL & FILL 1.5" DEPTH
APPROX. 270 FT FROM
CONCRETE JOINT TO
INTERSECTION



MILL & FILL 1.5" DEPTH
APPROX. 100 FT FROM
CONCRETE JOINT TO
INTERSECTION

MILL & FILL 1.5" DEPTH
APPROX. 50 FT FROM
CONCRETE JOINT TO
INTERSECTION

CONSTRUCTION NOTES:

REPLACE ALL DAMAGED AND MISSING CONTROL ACCESS FENCE ON THE RAMPS WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

REPLACE ALL STEEL BEAM GUARDRAIL, END UNITS AND ANCHOR UNITS ON THE RAMPS WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.

MAP

DESCRIPTION

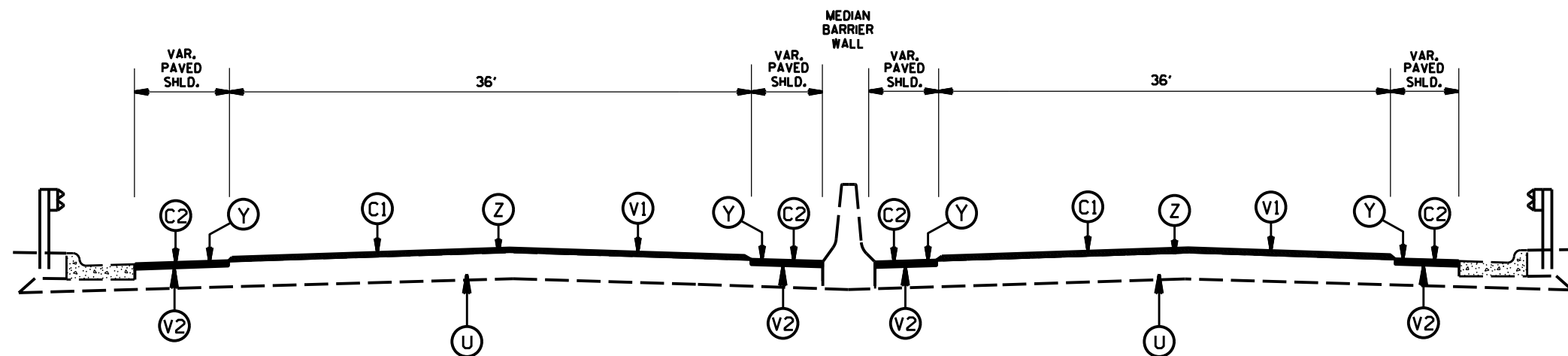
- #33 WB LOOP ON RAMP FROM PAVEMENT JOINT AT GRAHAM ST TO CONCRETE PAVEMENT JOINT
- #34 WB ON RAMP FROM CROSSWALK AT 12TH ST TO ASPHALT PAVEMENT JOINT
- #41 EB OFF RAMP FROM ASPHALT PAVEMENT JOINT TO N. CHURCH ST.
- #42 EB LOOP OFF RAMP FROM ASPHALT PAVEMENT JOINT TO ASPHALT PAVEMENT JOINT AT 10TH ST.

I-5746 C INTERSTATE I-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

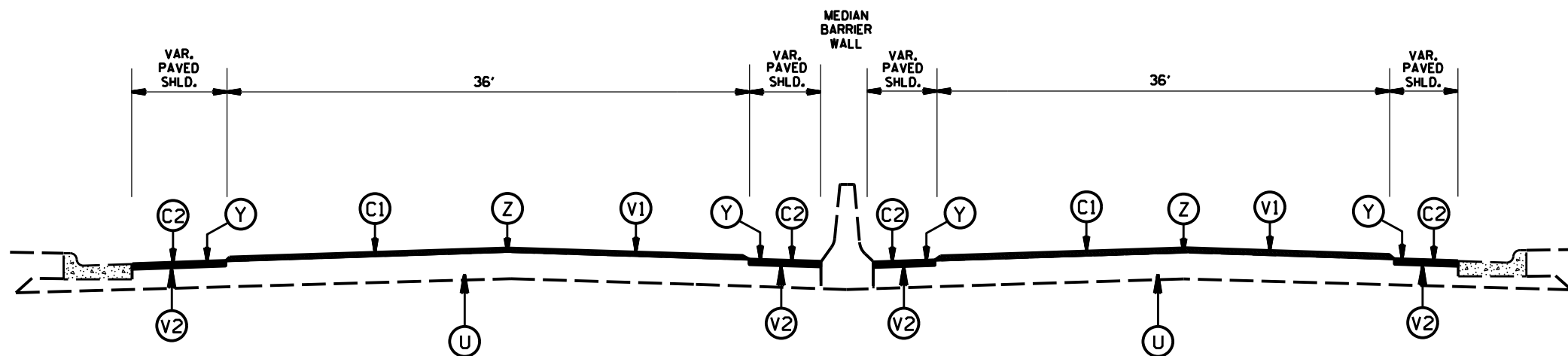
SCALE	-NA-		REVISIONS	
DATE	4/18		8/10/21	
DWG. BY	JHE			
DESIGN BY	JHE			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5746 C		
WBS NO. 52024.3.4.			

PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C2	APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.1



TYPICAL SECTION NO.2

1-5746 C INTERSTATE 1-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

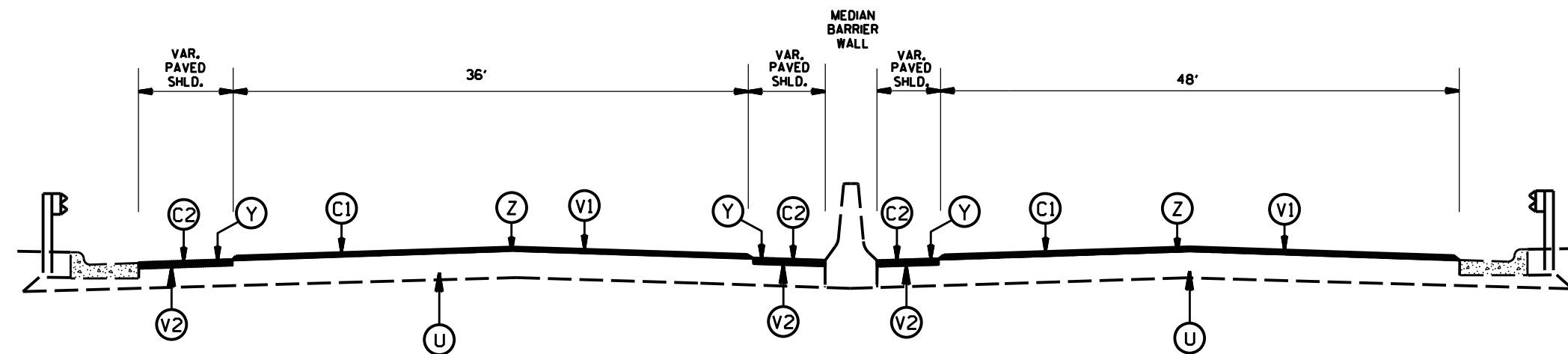
SCALE	-NA-
DATE	4/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	



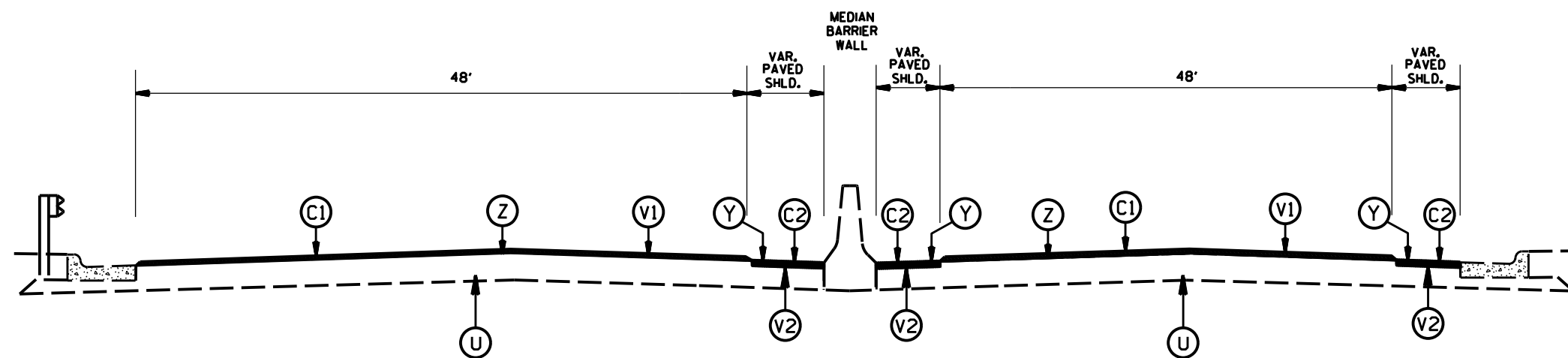
REVISIONS	
8/10/21	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5746 C		
WBS NO. 52024.3.4.			

PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C2	APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.3



TYPICAL SECTION NO.4

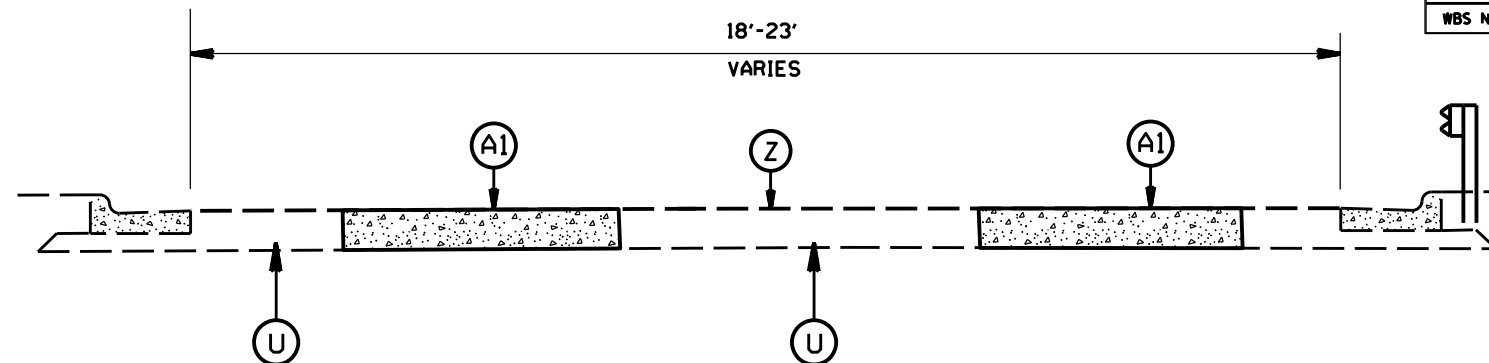
1-5746 C INTERSTATE 1-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

SCALE	-NA-	REVISIONS
DATE	4/18	8/10/21
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		

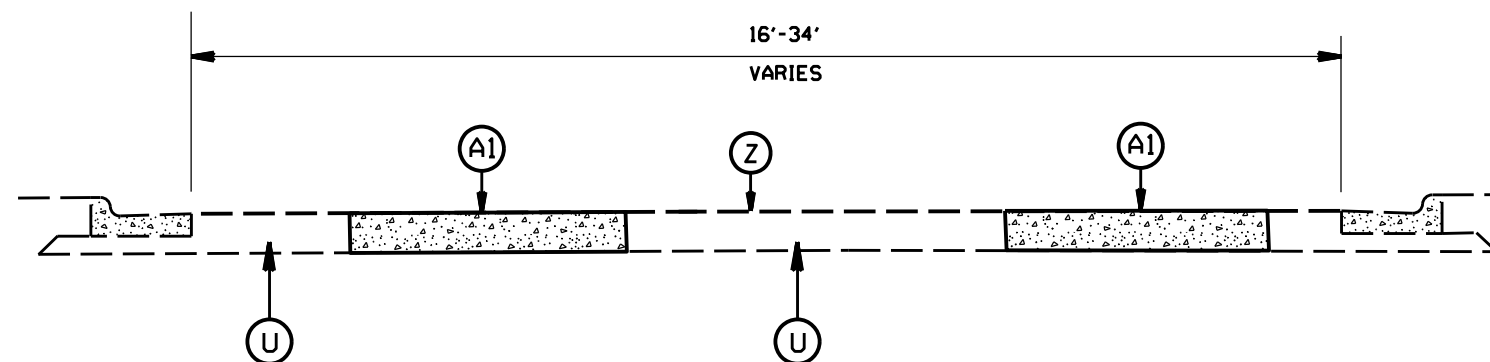


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4.			

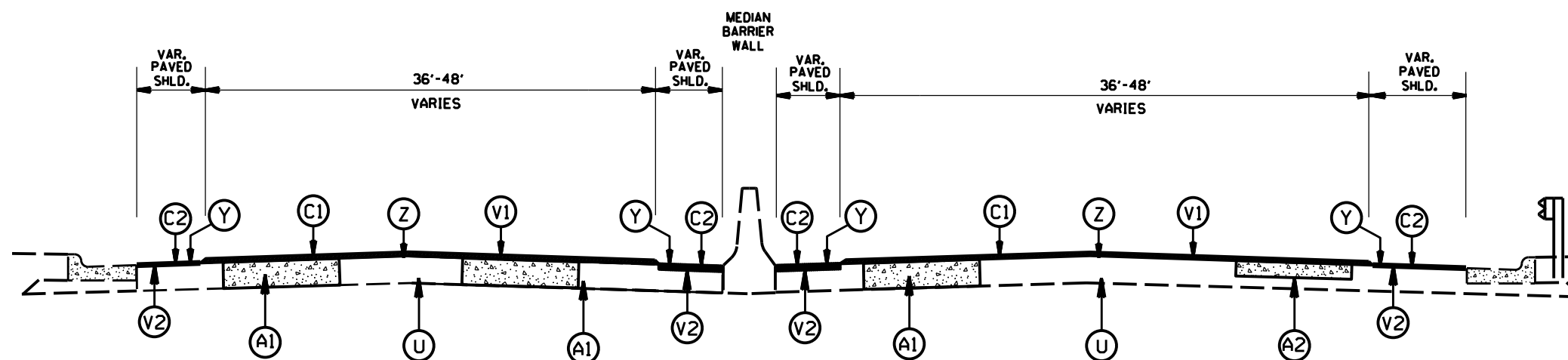
PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C2	APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.5



TYPICAL SECTION NO.6



TYPICAL SECTION NO.7

CONSTRUCTION NOTE:

REFER TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROCEDURES MANUAL FOR PARTIAL AND FULL DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT.

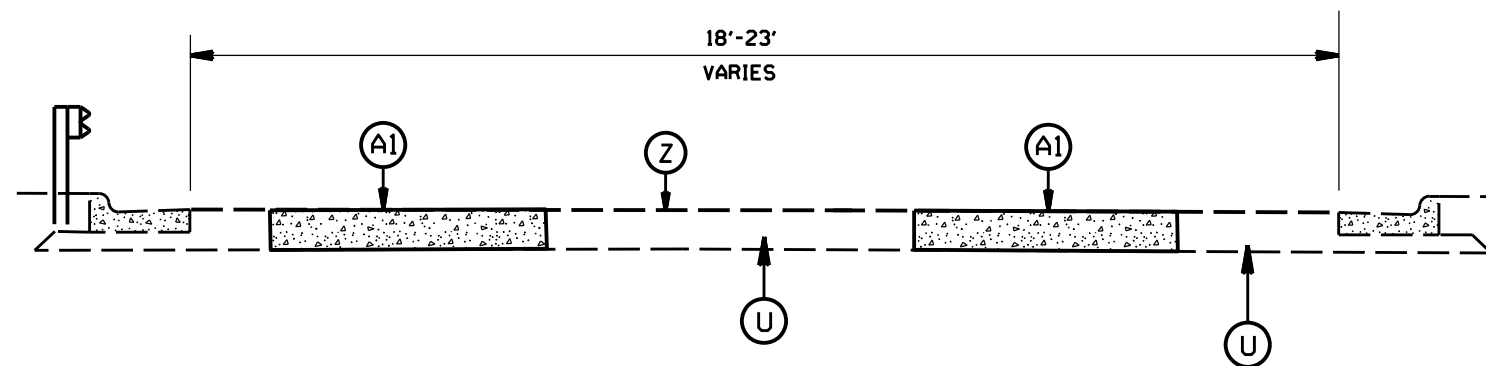
I-5746 C INTERSTATE I-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

SCALE	-NA-	REVISIONS
DATE	4/18	8/10/21
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		

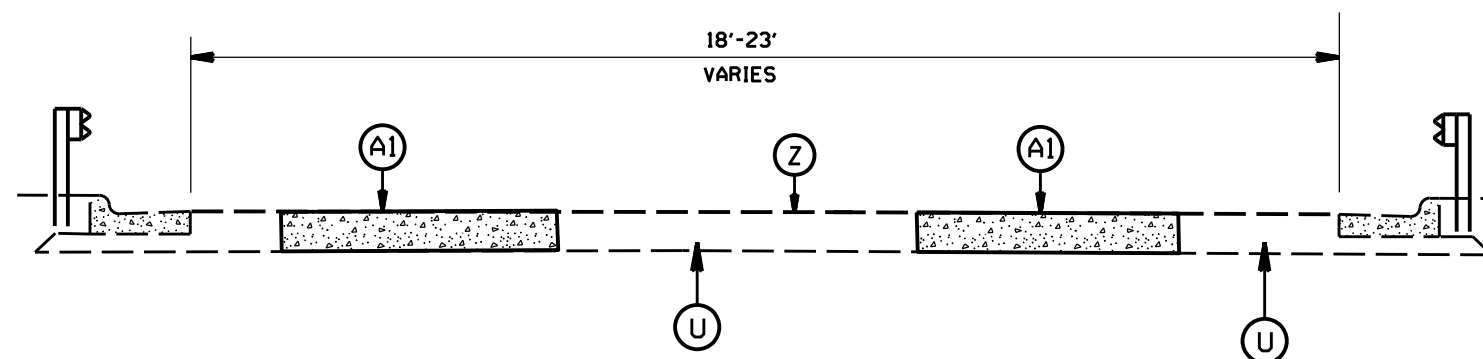


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4.			

PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C2	APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.8



TYPICAL SECTION NO.9

CONSTRUCTION NOTE:

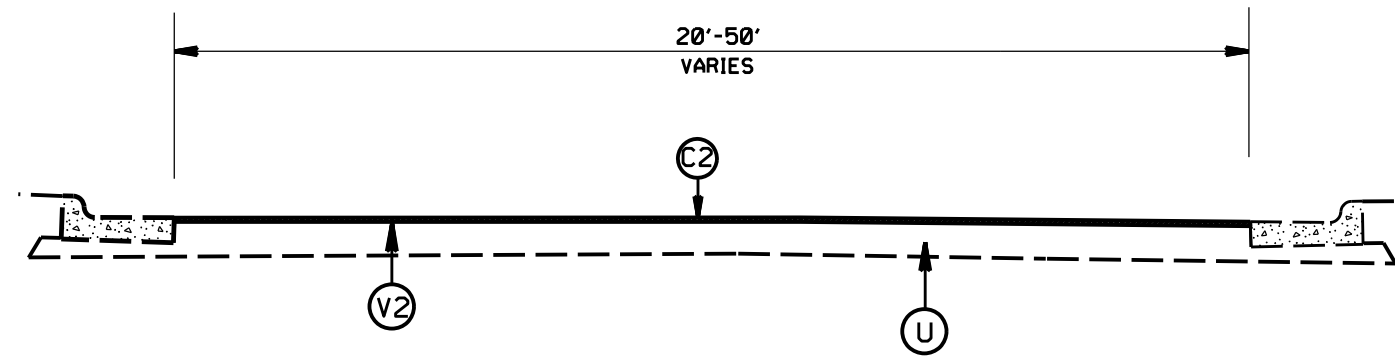
REFER TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROCEDURES MANUAL FOR PARTIAL AND FULL DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT.

I-5746 C INTERSTATE I-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

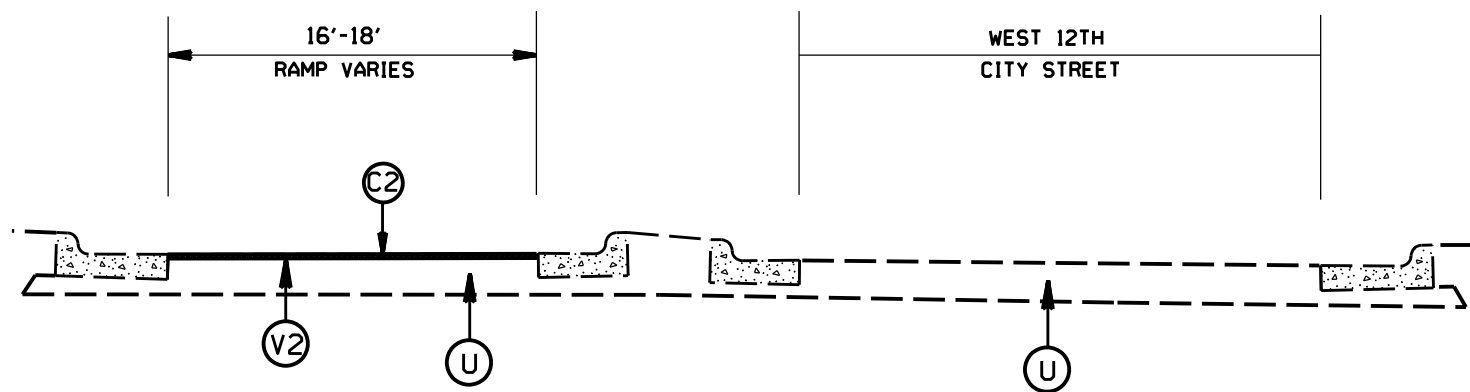
SCALE	-NA-		REVISIONS
DATE	4/18		8/10/21
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4.			

PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C2	APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.10
RAMPS



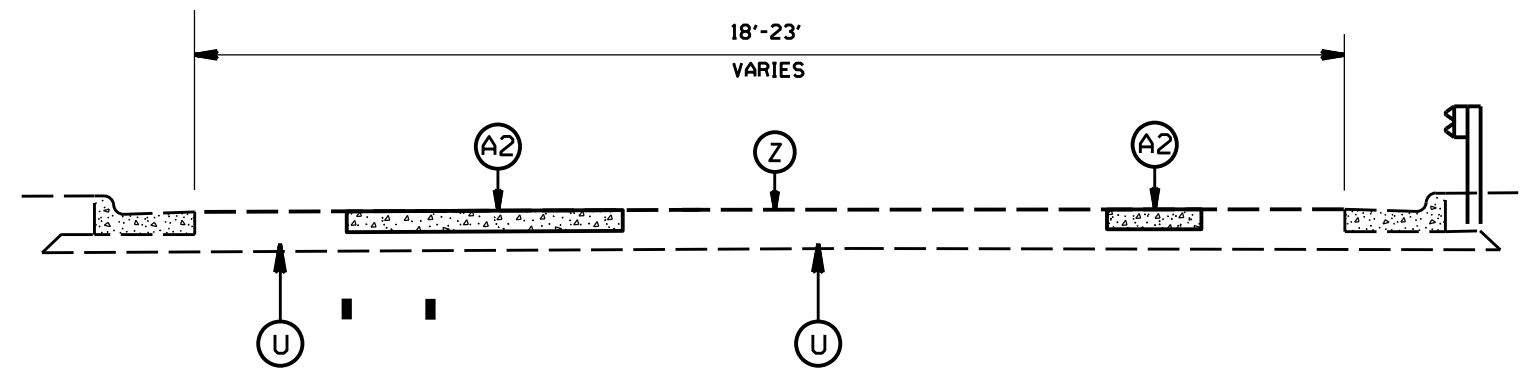
TYPICAL SECTION NO.11
RAMP AND STREET

I-5746 C INTERSTATE I-277
PAVEMENT REHABILITATION
MECKLENBURG COUNTY

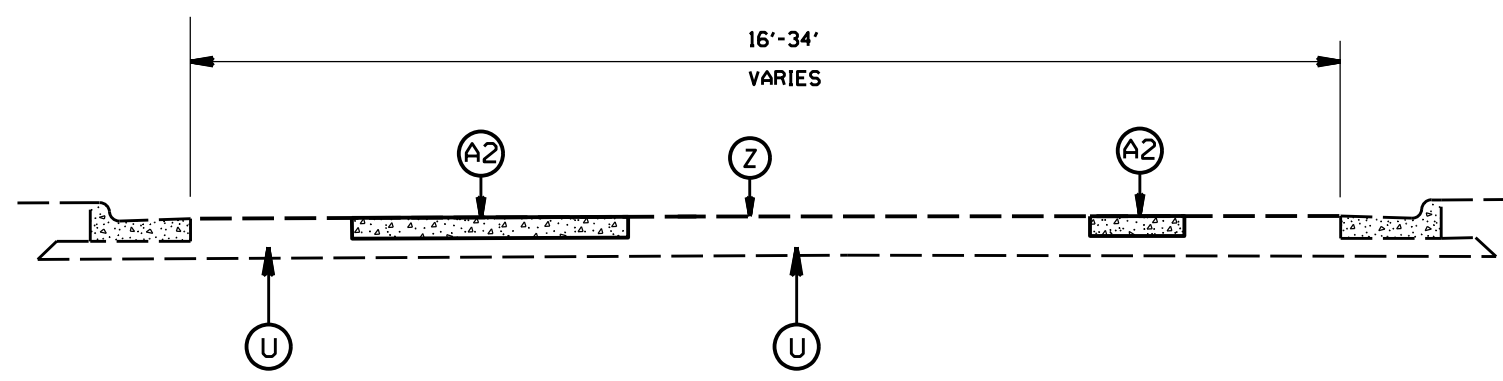
SCALE	-HA-		REVISIONS	
DATE	4/18		8/10/21	
DWG. BY	JME			
DESIGN BY	JME			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5746 C		
WBS NO. 52024.3.4.			

PAVEMENT SCHEDULE	
A1	APPROX. 12" PCC SLAB REPAIR IN VARIOUS LOCATIONS
A2	PATCHING CONCRETE PAVEMENT SPALLS IN VARIOUS LOCATIONS
C1	APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
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U	EXISTING PAVEMENT
V1	FINE MILLING 5/8" DEPTH
V2	MILLING 1.5" DEPTH
Y	MILLED RUMBLE STRIPS
Z	JOINT CONSTRUCTION REPAIR AND SEALING



TYPICAL SECTION NO.12




TYPICAL SECTION NO.13

CONSTRUCTION NOTE:

REFER TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROCEDURES MANUAL FOR PARTIAL AND FULL DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT.

I-5746 C INTERSTATE I-277 PAVEMENT REHABILITATION MECKLENBURG COUNTY		
SCALE	-NA-	REVISIONS
DATE	4/18	8/10/21
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		



PROJECT NO.	SHEET NO.	TOTAL NO.
I-5746C	13	
52024.3.4		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		1891000000-E	1297000000-E	1523000000-E	1575000000-E	1577000000-E	1735000000-E	1736000000-E	1737000000-E	1839140000-E	1840000000-E	1881000000-E	1882000000-E	2845000000-N	
										MI	FT	5/8" FINE MILLING	1.5" MILLING	SURFACE COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	REPAIR OF JOINTED CONCRETE PAVEMENT SLABS	SELECT MATERIAL, CLASS IV	PATCHING CONCRETE PAVEMENT SPALLS	ULTRA-THIN BONDED WEARING COURSE	MILLED RUMBLE STRIPS	JOINT CONSTRUCTION, REPAIR & SEALING	STRUCTURAL FOAM FILL STABILIZATION	ADJ. OF METER OR VALVE BOX	
52024.3.4	Mecklenburg	1	I-277 WB BROOKSHIRE FRWY	FROM 10TH ST. TO JOHNSON ST (MP 2.72 TO MP 4.04)	1,2,3,4,7	3		NO	NO	1.32	42	22,578	5,079	517	31	48	400	810	164	956	8,395	48,893	100		
TOTAL FOR MAP NO. 1										1.32		22,578	5,079	517	31	48	400	810	164	956	8,395	48,893	100		
52024.3.4	Mecklenburg	2	I-277 EB BROOKSHIRE FRWY	FROM JOHNSON ST BRIDGE TO 10TH ST BRIDGE (MP 0.38 TO MP 1.69)	1,2,3,4,7	3		NO	NO	1.32	42	21,013	4,272	435	26	45	400	810	164	890	7,257	48,893	100		
TOTAL FOR MAP NO. 2										1.32		21,013	4,272	435	26	45	400	810	164	890	7,257	48,893	100		
52024.3.4	Mecklenburg	33	WB LOOP ON RAMP	FROM PAVEMENT JOINT AT GRAHAM ST TO CONCRETE PAVEMENT JOINT	6,11	1		NO	NO	0.065	17		648	66	4		121	246				1,767			
TOTAL FOR MAP NO. 33										0.065			648	66	4		121	246	0			1,767	0		
52024.3.4	Mecklenburg	34	WB ON RAMP	FROM CROSSWALK AT 12TH ST TO ASPHALT PAVEMENT JOINT	5,6,10	1		NO	NO	0.08	16		187	19	2		64	129				1,223			
TOTAL FOR MAP NO. 34										0.08			187	19	2		64	129	0			1,223	0		
52024.3.4	Mecklenburg	35	WB OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO BRIDGE DECK OVER N. TRYON ST	5,6	1		NO	NO	0.048	16						80	153				830			
TOTAL FOR MAP NO. 35										0.048							80	153	0			830	0		
52024.3.4	Mecklenburg	36	WB ON RAMP	FROM CONCRETE JOINT AT N. CADWELL ST TO BEGINNING OF PHYSICAL GORE	6,12,13	1		NO	NO	0.057	16						40	81	163			955			
TOTAL FOR MAP NO. 36										0.057							40	81	163			955	0		
52024.3.4	Mecklenburg	37	WB OFF RAMP	FROM END PHYSICAL GORE TO ASPHALT PAVEMENT JOINT AT 12TH ST	5,6,12,13	1		NO	NO	0.12	16								180			2,100			
TOTAL FOR MAP NO. 37										0.12									180			2,100	0		
52024.3.4	Mecklenburg	38	EB ON RAMP	FROM BEGINNING OF PHYSICAL GORE AT N. DAVIDSON ST TO ASPHALT PAVEMENT JOINT AT BOTTOM OF RAMP	6,8	1		NO	NO	0.169	16						250	510				2,926	100		
TOTAL FOR MAP NO. 38										0.169							250	510	0			2,926	100		
52024.3.4	Mecklenburg	39	EB ON RAMP	FROM PHYSICAL GORE AT N. BREVARD ST TO ASPHALT PAVEMENT JOINT AT TOP OF RAMP	5	1		NO	NO	0.041	16						350	705				677			
TOTAL FOR MAP NO. 39										0.041							350	705	0			677	0		
52024.3.4	Mecklenburg	40	EB OFF RAMP	FROM ASPHALT PAVEMENT JOINT AT TOP OF RAMP TO N. COLLEGE ST	6,9,10	1		NO	NO	0.055	17		345	35	2		310	633				927	100		
TOTAL FOR MAP NO. 40										0.055			345	35	2		310	633	0			927	100		
52024.3.4	Mecklenburg	41	EB OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO N CHURCH ST	6,10,12,13	1		NO	NO	0.083	21		77	8	1		80	165	329			2,073		1	
TOTAL FOR MAP NO. 41										0.083			77	8	1		80	165	329			2,073	0	1	
52024.3.4	Mecklenburg	42	EB LOOP OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO ASPHALT PAVEMENT JOINT AT 10TH ST.	6	1		NO	NO	0.094	25						115	231				2,280			
TOTAL FOR MAP NO. 42										0.094							115	231	0			2,280			
52024.3.4	Mecklenburg	43	NONE INTERSTATE STREETS	ALL UNDER PASS STREETS		2		NO	NO	0.25	44														
TOTAL FOR MAP NO. 43										0.25															
TOTAL FOR PROJ NO. 52024.3.4										3.702			43,591	10,608	1,080	66	93	2,210	4,473	1,000	1,846	15,652	113,544	400	1
GRAND TOTAL										3.702			43,591	10,608	1,080	66	93	2,210	4,473	1,000	1,846	15,652	113,544	400	1

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5746C	15	
52024.3.4		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4400000000-E	4424000000-N	4434000000-N	4455000000-N	4510000000-N	4695000000-E	4725000000-E			4815000000-E		4820000000-E	4825000000-E	4835000000-E	4840000000-N	4845000000-N			4890000000-E		4890000000-E	4890000000-E	4891000000-E	4720000000-E	4895000000-N						
										STATIONARY WORK ZONE SIGN	WORK ZONE PRESENCE LIGHTING	SEQUENTIAL FLASHING WARNING LIGHTS	FLAGGER	LAW ENFORCEMENT	THERMOPLASTIC PAVEMENT MARKING LINES WHITE (8", 90 MILS)	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR & LT ARROW 90 M	6" WHITE PAINT	6" YELLOW PAINT	8" WHITE PAINT	12" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT RT ARROW	PAINT LT ARROW	PAINT STR & LT ARROW	POLYUREA PAVEMENT MARKING LINES WHITE (6", 30 MILS) STANDARD GLASS BEADS	POLYUREA PAVEMENT MARKING LINES YELLOW (6", 30 MILS) STANDARD GLASS BEADS	POLYUREA PAVEMENT MARKING LINES WHITE (12", 30 MILS) STANDARD GLASS BEADS	CONTRAST COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (9")	THERMOPLASTIC PAVEMENT MARKING LINES WHITE (24", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	NON-CAST IRON SNOWPLOWABLE MARKERS						
MI	FT	SF	EA	EA	DAY	HR	LF	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA						
52024.3.4	Mecklenburg	1	I-277 WB BROOKSHIRE FRWY	FROM WEST OF BRIDGE DECK OVER 10TH ST. TO WEST OF BRIDGE DECK OVER JOHNSON ST (MP 2.72 TO MP 4.04)	1,2,3,4,7	3		1.32	42	296	4	18		2,448		1			35,181	21,036		6,699		12	3			10,217	7,012	2,233	1,510		4	420						
TOTAL FOR MAP NO. 1									1.32	296	4	18	2,448		1			35,181	21,036		6,699		12	3			10,217	7,012	2,233	1,510		4	420							
52024.3.4	Mecklenburg	2	I-277 EB BROOKSHIRE FRWY	FROM WEST OF BRIDGE DECK OVER JOHNSON ST TO WEST OF BRIDGE DECK OVER 10TH ST (MP 0.38 TO MP 1.69)	1,2,3,4,7	3		1.32	42	296	4	18		2,448		3	3	32,604	20,913		8,232		24		9	9	9,505	6,971	2,744	1,363		8	385							
TOTAL FOR MAP NO. 2									1.32	296	4	18	2,448		3	3	32,604	20,913		8,232		24		9	9	9,505	6,971	2,744	1,363		8	385								
52024.3.4	Mecklenburg	33	WB LOOP ON RAMP	FROM PAVEMENT JOINT AT GRAHAM ST TO CONCRETE PAVEMENT JOINT	6,11	1		0.065	17	44				72																										
TOTAL FOR MAP NO. 33									0.065	44			72																											
52024.3.4	Mecklenburg	34	WB ON RAMP	FROM CROSSWALK AT 12TH ST TO ASPHALT PAVEMENT JOINT	5,6,10	1		0.08	16	44				72																										
TOTAL FOR MAP NO. 34									0.08	44			72																											
52024.3.4	Mecklenburg	35	WB OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO BRIDGE DECK OVER N. TRYON ST	5,6	1		0.048	16	16				72																										
TOTAL FOR MAP NO. 35									0.048	16			72																											
52024.3.4	Mecklenburg	36	WB ON RAMP	FROM ASPHALT JOINT AT N. CADWELL ST TO BEGIN OF PHYSICAL GORE	6	1		0.057	16	44				72																										
TOTAL FOR MAP NO. 36									0.057	44			72																											
52024.3.4	Mecklenburg	37	WB OFF RAMP	FROM END OF PHYSICAL GORE TO ASPHALT PAVEMENT JOINT AT 12TH ST	5,6	1		0.12	16	16				80																										
TOTAL FOR MAP NO. 37									0.12	16			80																											
52024.3.4	Mecklenburg	38	EB ON RAMP	FROM BEGIN OF PHYSICAL GORE AT N. DAVIDSON ST TO ASPHALT PAVEMENT JOINT AT BOTTOM OF RAMP	6,8	1		0.169	16	44				80																										
TOTAL FOR MAP NO. 38									0.169	44			80																											
52024.3.4	Mecklenburg	39	EB ON RAMP	FROM N. BREVARD ST TO ASPHALT PAVEMENT JOINT AT TOP OF RAMP	5	1		0.041	16	44				160																										
TOTAL FOR MAP NO. 39									0.041	44			160																											
52024.3.4	Mecklenburg	40	EB OFF RAMP	FROM ASPHALT PAVEMENT JOINT AT TOP OF RAMP TO N. COLLEGE ST	6,9,10	1		0.055	17	16				160	180																									
TOTAL FOR MAP NO. 40									0.055	16			160	180																										
52024.3.4	Mecklenburg	41	EB OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO N. CHURCH ST	6,10	1		0.083	21	16				72																										
TOTAL FOR MAP NO. 41									0.083	16			72																											
52024.3.4	Mecklenburg	42	EB LOOP OFF RAMP	FROM ASPHALT PAVEMENT JOINT TO ASPHALT PAVEMENT JOINT AT 10TH ST	6	1		0.094	25	16				120																										
TOTAL FOR MAP NO. 42									0.094	16			120																											
52024.3.4	Mecklenburg	43	NONE INTERSTATE STREETS	ALL UNDER PASS STREETS		2		0.25	44	288				8																										
TOTAL FOR MAP NO. 43									0.25	288			8																											
TOTAL FOR PROJ NO. 52024.3.4									3.702	1,180	8	36	8	5,856	180	1	3	3	67,785	41,949	180	14,931	45	36	3	9	9	19,722	13,983	4,977	2,873	45	12	805						
GRAND TOTAL									3.702	1,180	8	36	8	5,856	180	1	3	3	67,785	41,949	180	14,931	45	36	3	9	9	19,722	13,983	4,977	2,873	45	12	805						