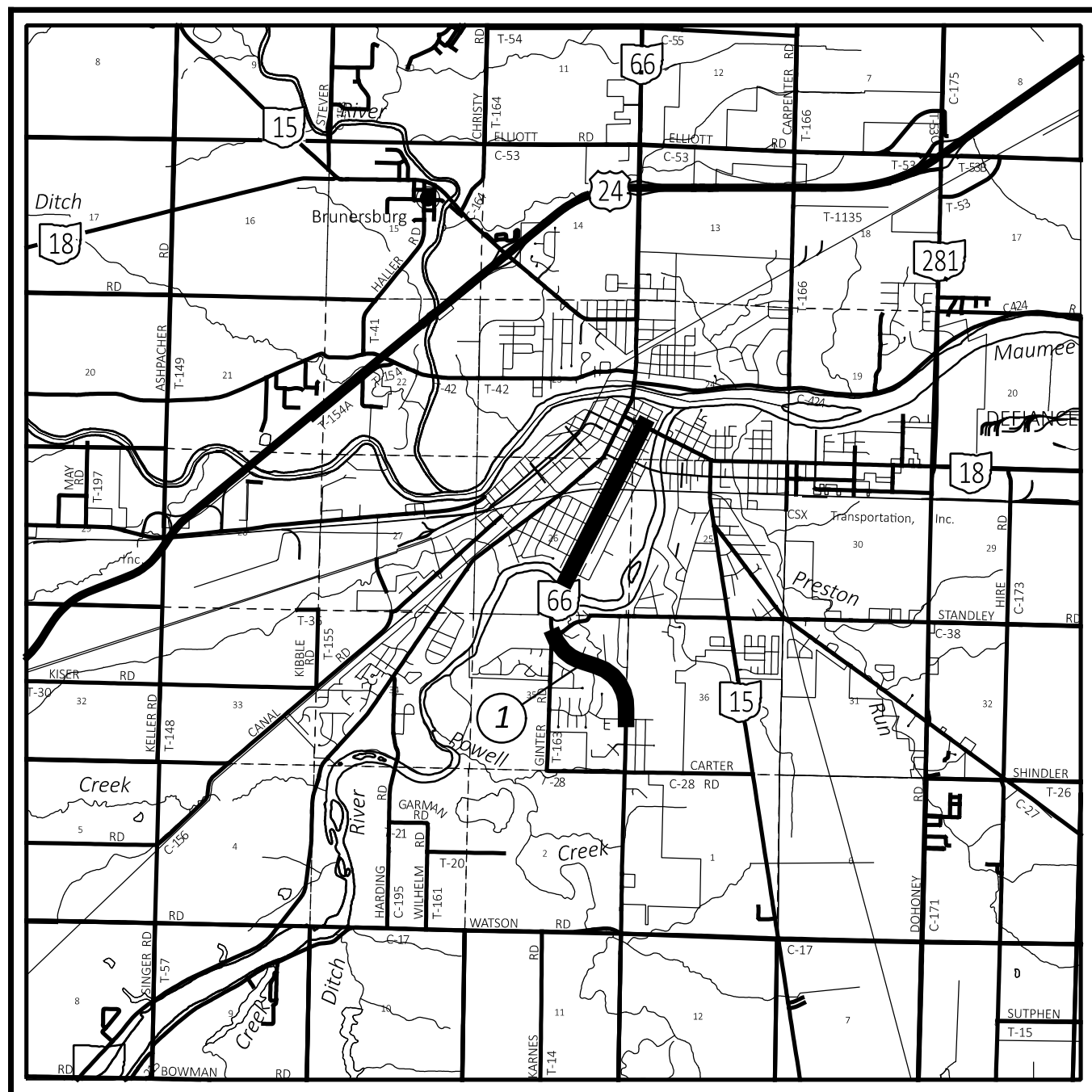


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## DEF-66-3.39

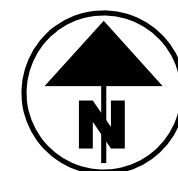
City of Defiance

Defiance County



**LOCATION MAP**

LATITUDE: N41°16'16" LONGITUDE: W84°22'8"



① DEF-66 3.39 to 5.67

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

**DESIGN DESIGNATION**

CURRENT ADT (2023)	9434
DESIGN YEAR ADT (2045)	9500
DESIGN HOURLY VOLUME (2045)	1300
DIRECTIONAL DISTRIBUTION	52.0
TRUCKS (24 HOUR B&C)	0.03
DESIGN SPEED	35 mph
LEGAL SPEED	35 mph
DESIGN FUNCTIONAL CLASSIFICATION:	
Minor Arterial	
NHS PROJECT	No

**DESIGN EXCEPTIONS**

None

**ADA DESIGN WAIVERS**

None

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:

District One  
Ohio Department of Transportation  
Lima, Ohio

**INDEX OF SHEETS:**

TITLE SHEET	1
GENERAL NOTES	2 - 3
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INTERSECTION SUB-SUMMARY	6
CURB RAMP SUB-SUMMARY	7
CURB RAMP DETAILS	8 - 12
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**FEDERAL PROJECT NUMBER**

E220(213)

**RAILROAD INVOLVEMENT**

CSX RR

**PROJECT DESCRIPTION**

REHABILITATION OF 1.72 MILES OF ROADWAY ON SR 66 IN DEFIANCE COUNTY. REHABILITATE BY MILLING AND RESURFACING AND PLACING PAVEMENT MARKINGS. ALSO CONSTRUCT CURB RAMPS IN THE CITY OF DEFIANCE.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	N/A *
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A *
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A *

\* - MAINTENANCE PROJECT

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

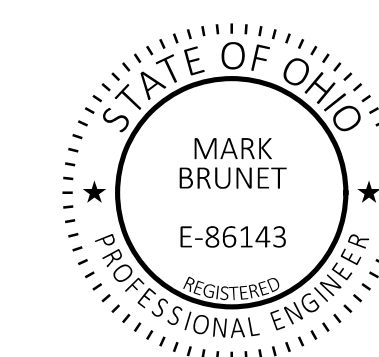
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Christopher A. Hughes, P.E.  
District 01 Deputy Director

Pamela Boratyn  
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	TC-74.10	7/21/23	800	1/17/25
BP-5.1	1/17/25			832	7/19/24
BP-7.1	1/17/25	DM-4.3	1/15/16	875	1/17/25
		DM-4.4	1/15/16		
MT-97.10	4/19/19				
MT-97.12	1/20/17				
MT-99.20	4/19/19				
MT-101.90	7/17/20				
MT-105.10	1/17/20				
MT-110.10	7/19/13				
TC-41.20	10/18/13				
TC-42.20	10/18/13				
TC-52.10	10/18/13				
TC-52.20	1/15/21				
TC-71.10	4/21/23				

ENGINEER'S SEAL



DEF-66-3.39

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2/18/2025 TIME: 9:14:01 AM USER: ginwin pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 01\Defiance\116154\400-Engineering\Roadway\Sheets\116154\_GTO01.dgn

TITLE SHEET

DESIGN AGENCY

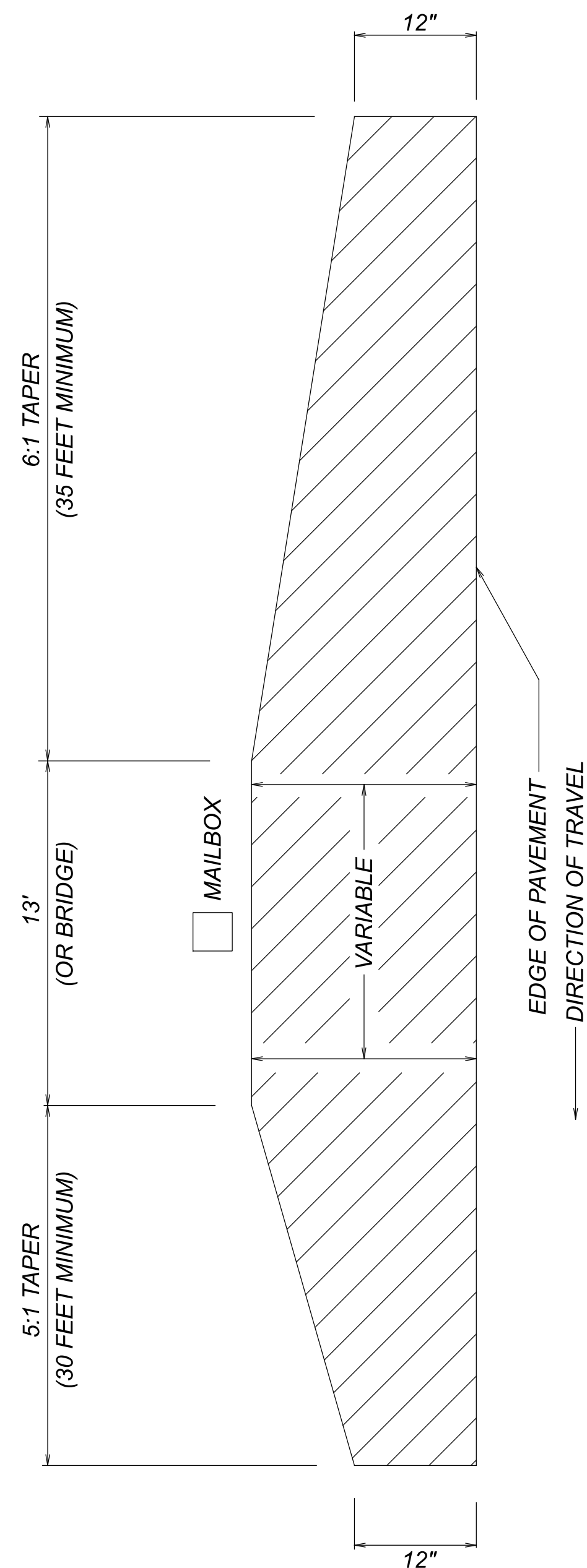


DESIGNER  
GLI

REVIEWER  
BK 10-25-24

PROJECT ID  
116154

SHEET	TOTAL
1	13



This note was moved.

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS.

659, TOPSOIL	2 CU. YD.
659, SEEDING AND MULCHING	35 SQ. YD.
659, COMMERCIAL FERTILIZER	0.12 TON
659, WATER	0.18 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT OF WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT OF WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**SINGLE MAILBOX TURNOUT & BRIDGE APPROACHES**

IF THERE IS A DISTANCE OF 100 FEET OR LESS BETWEEN MAIL-BOXES, APPROACHES SHALL BE PAVED THRU TO THE LAST MAIL-BOX.

IF THERE IS A DISTANCE OF 50 FEET OR LESS BETWEEN DRIVEWAY AND MAILBOX, APPROACHES SHALL BE PAVED THRU TO THE LAST MAILBOX. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION OF MATERIALS FROM ALL STONE DRIVEWAYS AND MAILBOX APPROACHES TO A DEPTH OF 2 INCHES BELOW EXISTING PAVEMENT. EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN RESPONSIBILITY OUTSIDE THE LIMITS OF THE HIGHWAY RIGHT OF WAY.

IF NEITHER OF THE ABOVE CONDITIONS APPLY AND PER THE DIRECTION OF THE PROJECT ENGINEER, A MAILBOX TURNOUT SHALL BE PROVIDED AS PER THE ADJACENT DETAIL.

FOR MAILBOX TURNOUTS, WHEN UNSTABLE MATERIAL IS ENCOUNTERED, EXCAVATION OF THIS MATERIAL SHALL BE TO A DEPTH OF 6 INCHES BELOW EXISTING PAVEMENT ELEVATION. AN ESTIMATED QUANTITY OF 304 AGGREGATE BASE HAS BEEN SET UP FOR BACKFILL OF THESE AREAS. EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN RESPONSIBILITY OUTSIDE THE LIMITS OF THE HIGHWAY RIGHT OF WAY.

AT BRIDGES WITH NO EXISTING BRIDGE APPROACHES AND PER THE DIRECTION OF THE PROJECT ENGINEER, BRIDGE APPROACHES SHALL BE PROVIDED PER THE ADJACENT DETAIL. THE AREA SHOWING THE LOCATION OF THE BRIDGE WILL HAVE VARIABLE LENGTH AND NO WORK IS NEEDED WITHIN THIS AREA UNLESS NOTED OTHERWISE IN THE PLANS.

FOR BRIDGE APPROACHES, THE BRIDGE APPROACHES SHALL BE EXCAVATED TO A DEPTH OF 9 INCHES BELOW EXISTING ADJACENT PAVEMENT ELEVATIONS. AN ESTIMATED QUANTITY OF 304 AGGREGATE BASE HAS BEEN SET UP FOR BACKFILL TO A DEPTH OF 6 INCHES FOR THESE AREAS, AND ESTIMATED QUANTITIES OF ASPHALT SURFACE COURSE AND TACK COAT HAVE BEEN SET UP FOR PLACEMENT OF TWO ASPHALT CONCRETE SURFACE COURSES, EACH COURSE BEING 1 1/2 INCHES THICK, FOR THESE AREAS. EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN RESPONSIBILITY OUTSIDE THE LIMITS OF THE HIGHWAY RIGHT OF WAY.

AN ADDITIONAL QUANTITY OF ASPHALT CONCRETE HAS BEEN SET UP TO BE USED IN THOSE AREAS EXCAVATED FOR DRIVEWAYS, MAILBOX AND BRIDGE APPROACHES.

ALL WORK, MATERIALS, EXCEPT ITEM 304, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE ABOVE DESCRIBED WORK SHALL BE INCIDENTAL TO THE PLACEMENT OF THE ASPHALT CONCRETE.

**COORDINATION OF CONTRACTORS**

WITH A SEPARATE CONTRACT, THE CITY OF DEFIANCE IS IMPROVING THEIR INFRASTRUCTURE (SANITARY SEWER, WATERLINES, SIDEWALKS AND INCIDENTALS) ALONG JEFFERSON AVE./SR 66 FROM DOWNS STREET TO 2ND STREET/SR 15. THIS PROJECTS ESTIMATED COMPLETION DATE IS JUNE 1, 2025. THE RESURFACING PROJECT ALONG DEF-SR 66 (DEF-66-3.39; PID 116154) CANNOT START WORK UNTIL THIS INFRASTRUCTURE IMPROVEMENT IS COMPLETED. THE CONTRACTOR SHALL COOPERATE WITH THE CONTRACTOR FOR THE INFRASTRUCTURE IMPROVEMENT PROJECT IN A MANNER TO NOT HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY EACH OTHER. THE TIMING OF THE TWO PROJECTS SHALL BE COORDINATED TO ALLOW FOR COMPLETION OF EACH PROJECTS WORK AS DEFINED IN THE CONSTRUCTION PLANS AND RELATED BID DOCUMENTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY AND HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)  
 ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY)  
 ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III APPROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

WORKERS MUST WEAR THE REQUIRED PPE AS DESCRIBED IN THE LATEST EDITION OF THE CSXT PUBLIC PROJECTS MANUAL, AT ALL TIMES WHILE WORKING WITHIN THE CSXT RIGHT OF WAY.

**ROLLER REQUIREMENTS WITHIN CORPORATION LIMITS**

WITHIN THE CORPORATION LIMITS OF THE CITY OF DEFIANCE, THE CONTRACTOR SHALL NOT USE THE VIBRATION MODE (VIBRATION SHALL BE TURNED OFF) ON VIBRATORY ROLLERS TO COMPACT THE ASPHALT CONCRETE. OSCILLATING ROLLERS CAN BE USED IN THE CITY OF DEFIANCE. 446 DENSITY REQUIREMENTS SHALL APPLY.

**RAILROAD VERTICAL CLEARANCE**

NO REDUCTION IN VERTICAL CLEARANCE IS PERMITTED UNDER CSX RAILROAD BRIDGES. CONTRACTOR SHALL TAKE PRE-CONSTRUCTION AND POST-CONSTRUCTION MEASUREMENTS OF THE MINIMUM VERTICAL CLEARANCES IN THE PRESENCE OF A CSXT REPRESENTATIVE AND REPORT THE MEASUREMENTS TO BRAD\_ARMSTRONG@CSX.COM, CFRANK@BENESCH.COM, AND GTORRES@BENESCH.COM. CLEARANCE SIGNS SHALL BE REPLACED IF/AS NECESSARY TO REFLECT ACTUAL CONDITIONS.

**RAILROAD NOTES**

1. IF ANY ISSUE OR INCIDENT OCCURS WITHIN CSXT ROW, PLEASE CONTACT THE CSXT PUBLIC SAFETY COORDINATION CENTER AT 800-232-0144.
2. ROADWAY FLAGGERS MUST BE PRESENT ON EACH SIDE OF THE RAILROAD CROSSING, ANYTIME TRAFFIC IS DIRECTED INTO OPPOSING TRAFFIC LANES AT THE RAILROAD CROSSING.
3. CHANNELIZATION/MOT DEVICES SHALL NOT BE PLACED WITHIN 15 FEET FROM CENTER LINE OF RAILROAD TRACKS.

**ENVIRONMENTAL COMMITMENTS**

1. NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS, OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO THE MAUMEE RIVER OR ANY TRIBUTARY WATER COURSES. ALL ASPHALT OR CONCRETE GRINDINGS, EXCESS ASPHALTIC OR CONCRETE MATERIALS OR ANY OTHER DEBRIS GENERATED DURING RESURFACING OR OTHER SIMILAR ACTIVITIES SHALL BE REMOVED AND DISPOSED OF AT AN APPROPRIATE FACILITY ABOVE THE FEMA 100 YEAR FLOOD ELEVATION AND NOT WITHIN 1000 FEET OF THE MAUMEE RIVER.

2. ANY AND ALL CONSTRUCTION DEBRIS, EARTHEN DEBRIS, EXCESS ASPHALT OR CONCRETE, WOOD DEBRIS FROM CLEARING, EXCESS FILL MATERIAL, AND TRASH SHOULD BE DISPOSED OF AT AN APPROVED UPLAND SITE OR LANDFILL ABOVE FEMA 100 YEAR FLOOD ELEVATIONS. DISPOSAL OF ANY SUCH MATERIALS WITHIN 1000 FEET OF THE MAUMEE RIVER IS PROHIBITED.

3. IN ACCORDANCE WITH ORC 3750.06, REPORTABLE SPILLS MUST BE REPORTED TO THE LOCAL FIRE DEPARTMENT AND THE OHIO SPILL LINE (1-800-282-9378).

4. THE CONTRACTOR SHALL KEEP ALL IDLE EQUIPMENT, FUELS, LUBRICANTS, AND ANY STORAGE FOR/OF POTENTIALLY TOXIC OR HAZARDOUS MATERIALS OUT OF THE FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA AND NOT WITHIN 1000 FEET OF THE MAUMEE RIVER.

**MANHOLE ADJUSTED TO GRADE, AS PER PLAN**

IN ADDITION TO CMS SPECIFICATION 611, THE CONTRACTOR SHALL ADJUST EXISTING MANHOLES, THAT NEED TO BE ADJUSTED, TO GRADE AND PLACE 12" WIDE CIRCULAR CONCRETE COLLARS UP TO THE TOP OF THE FINAL SURFACE. THE CONCRETE COLLARS SHALL BE COLORED TO MATCH THE SURROUNDING ASPHALT CONCRETE.

PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN. THE QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN = 10 EACH

**VALVE BOX ADJUSTED TO GRADE, AS PER PLAN**

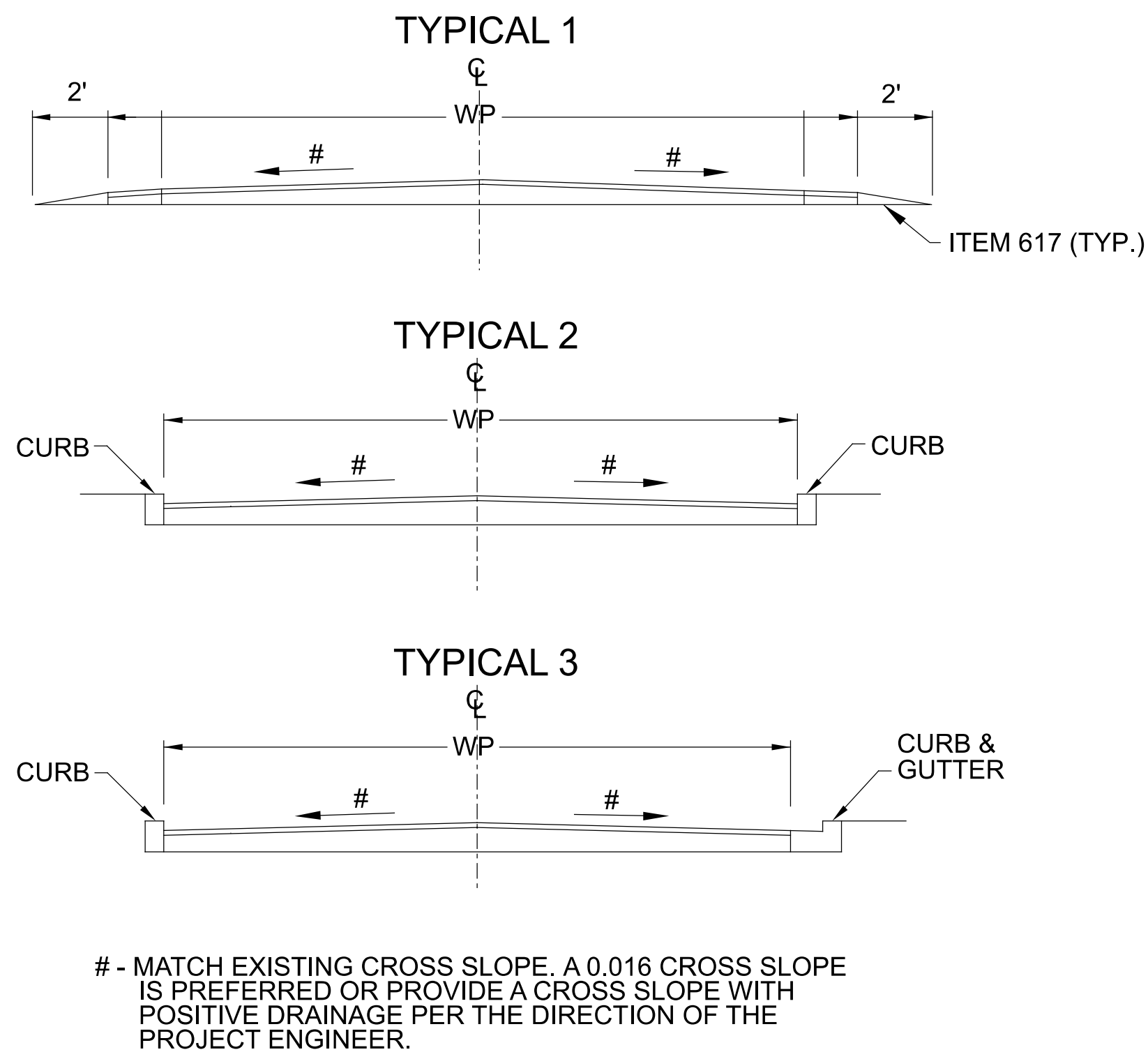
IN ADDITION TO CMS SPECIFICATION 638, THE CONTRACTOR SHALL ADJUST EXISTING VALVE BOXES, THAT NEED TO BE ADJUSTED, TO TO GRADE USING ADJUSTING RINGS PROVIDED BY THE CITY OF DEFIANCE.

PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN. THE QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 638 VALVE BOX ADJUSTED TO GRADE, AS PER PLAN = 10 EACH

These notes were added.

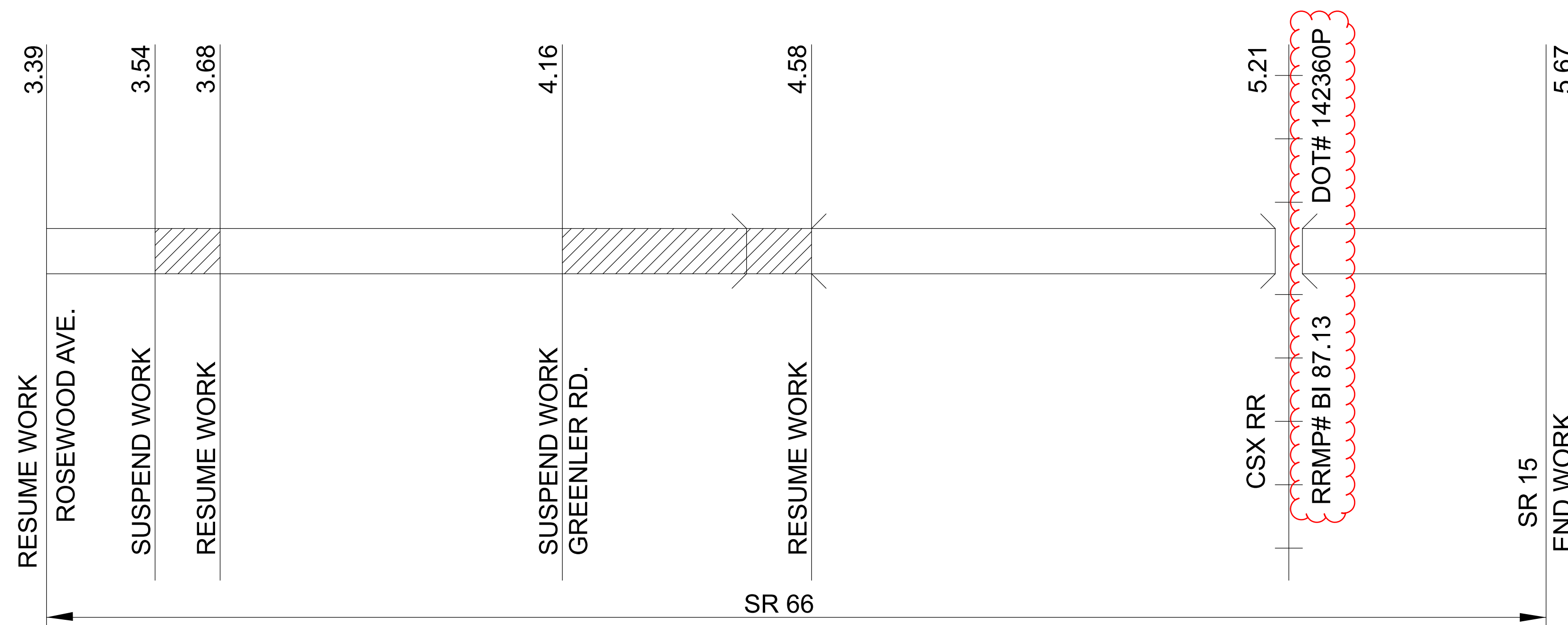




NOTE: DRAWINGS NOT TO SCALE

NOTE: ALL TOTALS CARRIED TO GENERAL SUMMARY

NOTE: MAILBOX AND DRIVE QUANTITIES ARE INCLUDED IN THE EXTRA AREAS



PAVEMENT DATA

ROUTE	FROM	TO	PLAN SPLITS	DISTANCE		PAVT WIDTH	TYPICAL SECTION	PAVT AREA	202	407	441		254		617	875
				WEARING COURSE REMOVED	NON-TRACKING TACK COAT				ASPHALT CONCRETE SURFACE COURSE TYPE 1 (446)	ASPHALT CONCRETE SURFACE COURSE TYPE 1 (448)	PAVEMENT PLANING, ASPHALT CONCRETE	PATCHING PLANED SURFACES	COMPACTED AGGREGATE	LONGITUDINAL JOINT ADHESIVE		
	SLM	SLM		MILES	FEET	FEET		SY	GAL	THICKNESS 1 1/4"	THICKNESS 1 1/4"	THICKNESS 1 1/4"	2% PLANED AREA	2 INCH AVG. TH.	1 LB. PER 5 FT. (1 1/4" PAVE)	
								SY		CY	CY	SY	SY	CY	LB	
SR 66	3.39	3.45	01/S5K/05	0.06	317	36	1	1267		108	44		1267	25	8	63
SR 66	3.45	3.54	01/S5K/05	0.09	475	48	1	2534		215	88		2534	51	12	95
SR 66	3.54	3.68	roundabout				no work									
SR 66	3.68	4.02	01/S5K/05	0.34	1795	48	1	9574		814	332		9574	191	44	359
SR 66	4.02	4.16	01/S5K/05	0.14	739	58	1	4764		405	165		4764	95	18	148
SR 66	4.16	4.44					no work									
SR 66	4.44	4.58	bridge				no work									
SR 66	4.58	4.75	01/S5K/05	0.17	898	38	2	3790		322	132		3790	76		180
SR 66	4.75	5.15	01/S5K/05	0.40	2112	22	3	5163		439	179		5163	103		422
SR 66	5.15	5.22	01/S5K/05	0.07	370	24	2	986		84	34		986	20		74
SR 66	5.22	5.39	01/S5K/05	0.17	898	31	2	3092		263	107		3092	62		180
SR 66	5.39	5.48	01/S5K/05	0.09	475	42	2	2218		188	77		2218	44		95
SR 66	5.48	5.59	01/S5K/05	0.11	581	33	2	2130		181	74		2130	43		116
SR 66	5.59	5.67	01/S5K/05	0.08	422	39	2	1830		156	64		1830	37		84
Extra Areas								176		15		6				
Intersections								2529		215		88				
<b>Totals</b>								<b>2705</b>		<b>3405</b>	<b>1296</b>	<b>94</b>	<b>37348</b>	<b>747</b>	<b>82</b>	<b>1816</b>

ASPHALT CONCRETE

DESIGN AGENCY



DESIGNER  
GLI  
 REVIEWER  
BK 10-25-24  
 PROJECT ID  
116154  
 SHEET TOTAL  
4 | 13