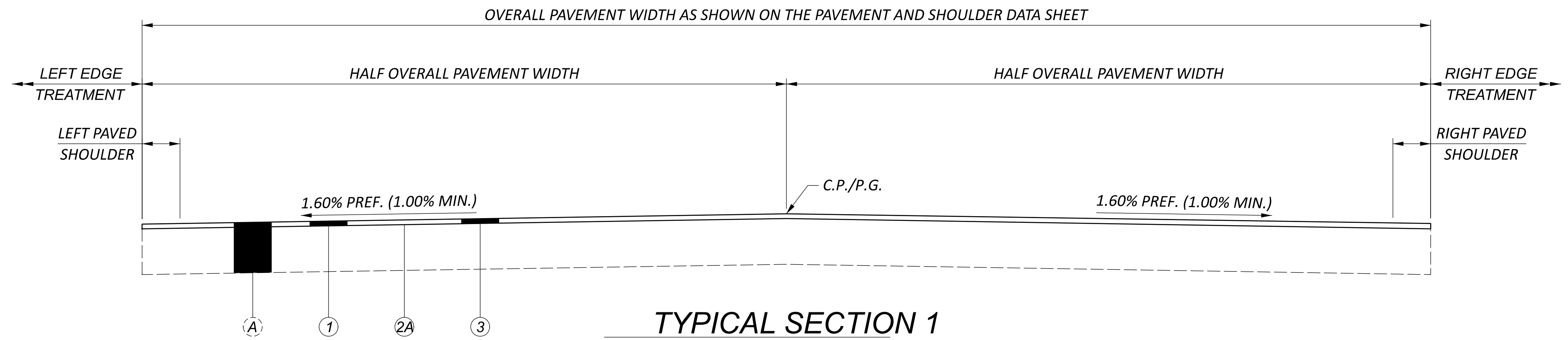


SECTION APPLICABILITY TABLE

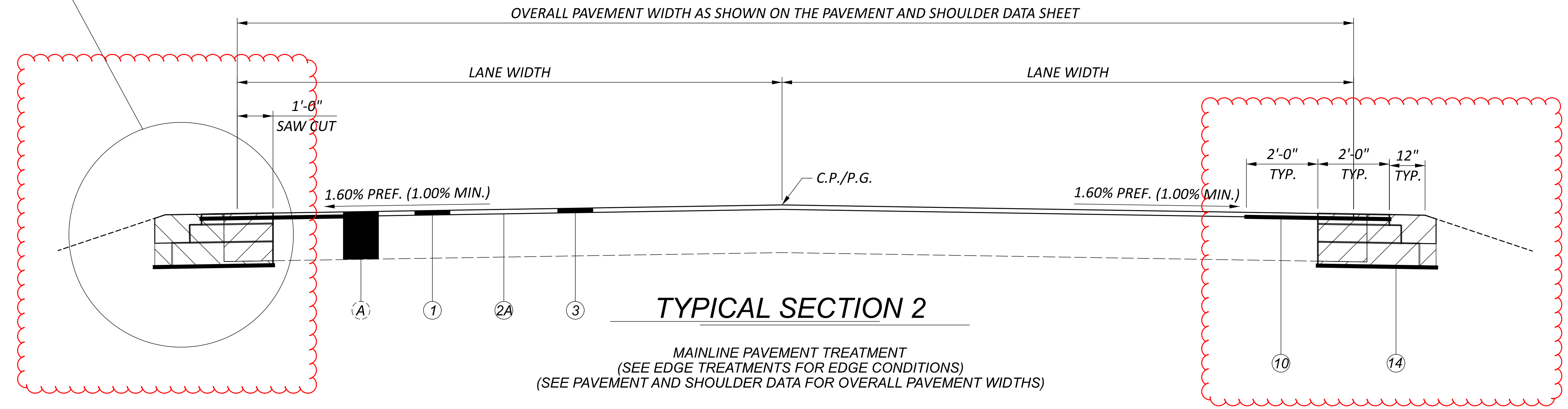
SLM BEGIN	SLM END	LEFT EDGE CONDITION	MAINLINE TYPICAL SECTION	RIGHT EDGE CONDITION
0.00	1.13	LEFT 1	TYPICAL 1	RIGHT 1
1.13	1.15	SUSPEND FOR SFN: 3903222		
1.15	4.60	LEFT 1	TYPICAL 1	RIGHT 1
4.60	6.48	SUSPEND FOR WILLARD CITY LIMITS		
6.48	7.60	LEFT 1	TYPICAL 1	RIGHT 1
7.60	7.64	SUSPEND FOR ASHLAND RR		
7.64	7.75	LEFT 1	TYPICAL 1	RIGHT 1
7.75	7.78	SUSPEND FOR SFN:3903257		
7.78	8.27	LEFT 1	TYPICAL 1	RIGHT 1
8.27	8.42	LEFT 2	TYPICAL 1	RIGHT 2
8.42	8.53	LEFT 1	TYPICAL 1	RIGHT 1
8.53	8.56		TYPICAL 1	
8.56	8.58	SUSPEND FOR SFN: 3903281		
8.58	8.64		TYPICAL 1	
8.64	12.22	LEFT 1	TYPICAL 1	RIGHT 1
12.22	15.51	TYPICAL 2	TYPICAL 2	TYPICAL 2
15.51	15.53	LEFT 1	TYPICAL 1	RIGHT 1
15.51	15.55		TYPICAL 1	
15.55	15.66	TYPICAL 2	TYPICAL 2	TYPICAL 2
15.66	15.68	SUSPEND FOR WHEELING & LAKE ERIE RR		
15.68	15.81	TYPICAL 2	TYPICAL 2	TYPICAL 2
15.81	15.82		TYPICAL 1	
15.82	15.84	SUSPEND FOR SFN: 3903362		
15.84	15.86		TYPICAL 1	
15.86	16.50	TYPICAL 2	TYPICAL 2	TYPICAL 2
16.50	16.86	LEFT 2	TYPICAL 1	RIGHT 2
16.86	16.89	SUSPEND FOR CSX RR		
16.89	17.08	LEFT 2	TYPICAL 1	RIGHT 2
17.08	17.09	SUSPEND FOR SFN: 3903397		
17.09	17.36	LEFT 2	TYPICAL 1	RIGHT 2
17.36	18.26	TYPICAL 2	TYPICAL 2	TYPICAL 2
18.26	18.31		TYPICAL 1	
18.31	18.60	TYPICAL 2	TYPICAL 2	TYPICAL 2
18.60	18.62	LEFT 1	TYPICAL 1	RIGHT 1
18.62	18.64	SUSPEND FOR SR 13 (JOINT TO JOINT)		
18.64	18.68	LEFT 1	TYPICAL 1	RIGHT 2
18.68	20.15	TYPICAL 2	TYPICAL 2	TYPICAL 2
20.15	20.26		TYPICAL 1	
20.22	21.27	TYPICAL 2	TYPICAL 2	TYPICAL 2

SEE PLAN NOTE FOR PAVING OVER STRUCTURES:
 3903346, 3903427, 3903478



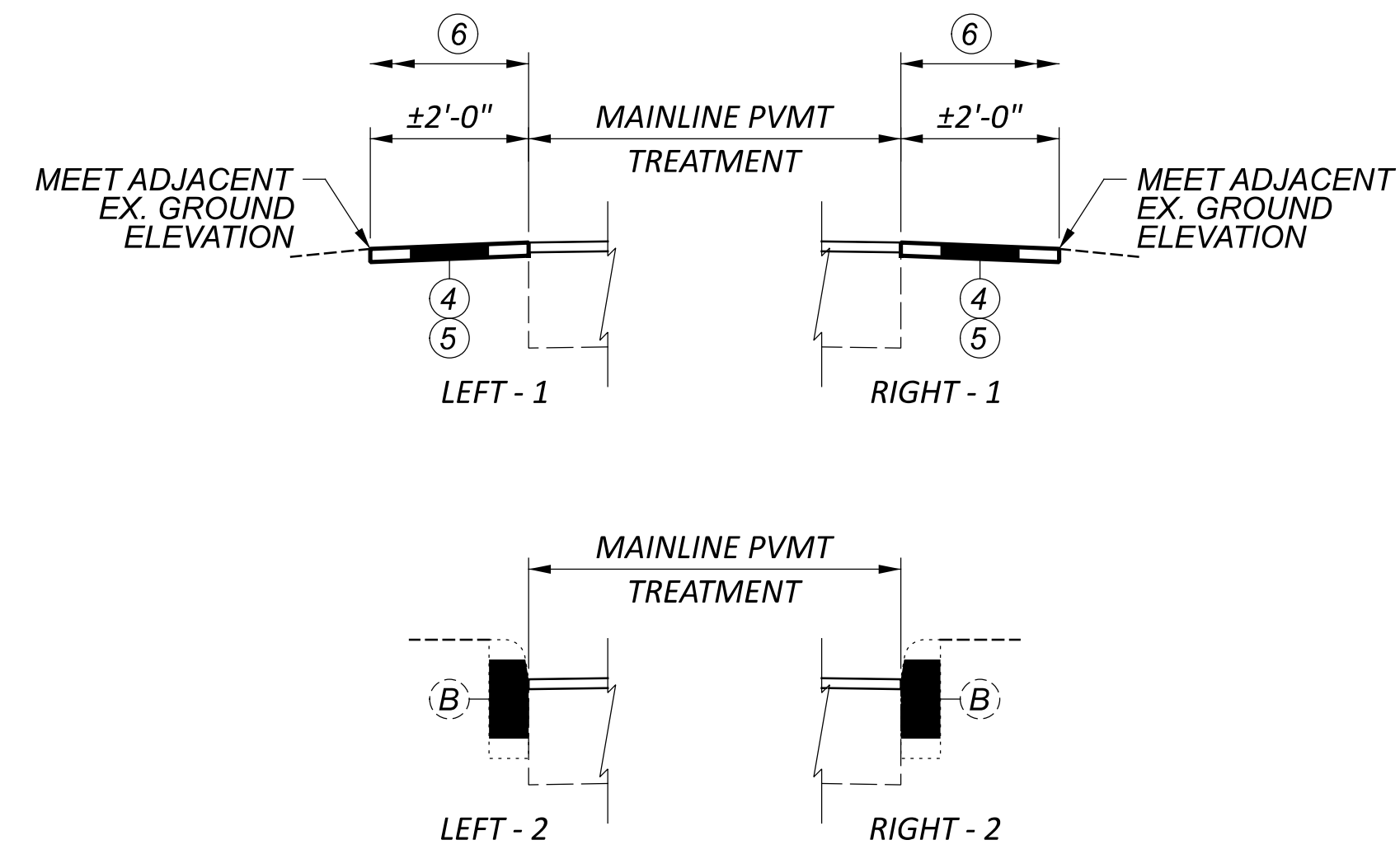
TYPICAL SECTION 1

MAINLINE PAVEMENT TREATMENT
 (SEE EDGE TREATMENTS FOR EDGE CONDITIONS)
 (SEE PAVEMENT AND SHOULDER DATA FOR OVERALL PAVEMENT WIDTHS)



TYPICAL SECTION 2

MAINLINE PAVEMENT TREATMENT
 (SEE EDGE TREATMENTS FOR EDGE CONDITIONS)
 (SEE PAVEMENT AND SHOULDER DATA FOR OVERALL PAVEMENT WIDTHS)



EDGE TREATMENTS

PROPOSED LEGEND

- 1 - ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1.50")
- 2 - ITEM 407 - TACK COAT (0.05 GAL/SY)
- 2A - ITEM 407 - TACK COAT (0.09 GAL/SY)
- 3 - ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) (1.50")
- 4 - ITEM 617 - COMPACTED AGGREGATE
- 5 - ITEM 409 - PRIME COAT, AS PER PLAN (0.40 GAL/SY)
- 6 - ITEM 209 - LINEAR GRADING, AS PER PLAN
- 7 - ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) (2.00")
- 8 - ITEM 301 - ASPHALT CONCRETE BASE COURSE (6.00")
- 9 - ITEM 304 - AGGREGATE BASE (8.00")
- 10 - ITEM 690 - SPECIAL - PAVEMENT OVERLAY FABRIC COMPOSITE
- 11 - ITEM 204 - SUBGRADE COMPACTION
- 12 - ITEM 255 - FULL DEPTH PAVEMENT SAWING
- 13 - ITEM 203 - EMBANKMENT

- ITEM 202 - PAVEMENT REMOVED
- ITEM 203 - EXCAVATION

EXISTING LEGEND

- A - EXISTING PAVEMENT (SEE CORING INFORMATION FOR DETAILS)
- B - EXISTING CURB

GENERAL

UTILITIES (G102A)

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC
AEP OHIO
2552 QUAKER ROAD
BUCYRUS, OH 44820
419.563.1509

GAS
COLUMBIA GAS OF OHIO
1800 BROAD AVENUE
FINDLAY, OH 45840
419.427.3225

GAS
ENERGY TRANSFER
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
610.670.3279

COMMUNICATION
EVERSTREAM SOLUTIONS
800 W ST CLAIR, 2ND FLOOR
CLEVELAND, OH 44113
216.581.7972

ELECTRIC
FIRELANDS ELECTRIC
1 ENERGY PLACE
NEW LONDON, OH 44851
419.929.1571

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

COUNTY
HURON COUNTY ENGINEER DEPT.
150 JEFFERSON STREET
NORWALK, OH 44857
419.668.1997

ELECTRIC
NORTH-CENTRAL ELECTRIC CO-OP
13978 E C.R. 56
ATTICA, OH 44807
419.426.3072

WATER
NORTHERN OHIO RURAL WATER
P.O. BOX 96
COLLINS, OH 44826
419.668.7213

CITY
CITY OF WILLARD
224 WEST JACKSON STREET
WILLARD, OH 44890
419.933.2591

CITY
WILLARD BOARD OF EDUCATION
110 MYRTLE AVENUE
WILLARD, OH 44890
419.935.1541

CABLE
ARMSTRONG UTILITIES
1215 CLAREMONT AVENUE
ASHLAND, OH 44805
419.289.0161

CABLE
CHARTER COMMUNICATIONS
5520 WHIPPLE AVENUE NW
NORTH CANTON, OH 44720
330.494.9200

VILLAGE
VILLAGE OF GREENWICH
47 MAIN STREET
GREENWICH, OH 44837
419.752.4725

GAS
KINDER MORGAN
605 WESTLAKE DRIVE
ASHLAND, OH 44805
714.560.4967

COMMUNICATION
LEVEL 3 COMMUNICATIONS
106 SOUTH ARLINGTON STREET
AKRON, OH 44306
740.275.1133

COMMUNICATION
VERIZON BUSINESS
120 RAVINE STREET
AKRON, OH 44303
330.253.8267

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

EXISTING PLANS (G103)

EXISTING PLANS ENTITLED D03-25672-HUR-00224-18.28-2008-00, DATED 4/23/2008, MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND.

SURVEYING PARAMETERS (G105)

THE FOLLOWING MONUMENT VERIFICATION REPORT(S) WILL BE REQUIRED:
623.04b – POST CONSTRUCTION MONUMENT VERIFICATION
*SUBJECT TO CHANGE BY PROJECT

DISTURBANCE NOTIFICATION

ON THE NORTHEAST CORNER OF THE INTERSECTION OF US 224 AND SECTION LINE 30 ROAD SLM: 2.575, THERE IS A FIRELANDS MONUMENT THAT IS NOT TO BE DISTURBED. IN THE EVENT THAT THIS MOMUMENT MUST BE DISTURBED, OR IS INADVERTANTLY DISURBED, CONTACT SCOTT HAWKINS AT ODOT DISTRICT 3 SURVEYING.

SCOTT HAWKINS:
EMAIL: SCOTT.HAWKINS@DOT.OHIO.GOV
PHONE: 419.207.2823

WORK LIMITS (G106)

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COORDINATION OF WORK BETWEEN CONTRACTORS

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. 105594 (DO3-BH-FY2024 A) IS A BRIDGE REPAIR CONTRACT AND IS SCHEDULED TO BEGIN WORK IN THE 2024 CONSTRUCTION SEASON. OVERLAPPING WORK INCLUDES A BRIDGE DECK OVERLAY ON STRUCTURE HUR-224-15.82. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. 101386 IS A MAJOR REHAB CONTRACT AND IS SCHEDULED TO BEGIN WORK IN THE 2024 CONSTRUCTION SEASON. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROGRESSION OF WORK

WIDENING SHALL BE DONE PRIOR TO RESURFACING. GUARDRAIL SHALL BE REMOVED PRIOR TO ANY EMBANKMENT WORK AT THE GUARDRAIL RUN. GUARDRAIL WORK SHALL BE DONE AFTER WIDENING, RESURFACING, AND BERM WORK SO AS TO ESTABLISH PROPER GRADES FROM WHICH TO CONSTRUCT THE RAIL.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

PRECONSTRUCTION PEDESTRIAN FACILITY LAYOUT INSPECTION

THE PROPOSED LAYOUT OF THE PEDESTRIAN FACILITIES INCLUDED IN THESE PLANS IS TO BE FIELD REVIEWED AND VERIFIED FOR COMPLIANCE WITH THE PLANS AND APPROPRIATE STANDARDS PRIOR TO PERFORMING ANY ASSOCIATED REMOVAL OR CONSTRUCTION. THIS MEETING IS INTENDED TO REVIEW PROPOSED WORK AS LAID OUT BY THE CONTRACTOR PRIOR TO THE MEETING; THIS MEETING IS NOT INTENDED TO LAYOUT ALL LOCATIONS IN CONJUNCTION WITH THE CONTRACTOR. THE CONTRACTOR SHOULD ADHERE TO THE PROJECT PLANS ON INITIAL LAYOUT PRIOR TO THIS MEETING, DETERMINE IF THERE ARE QUESTIONS, CONCERNS, OR CONTRACTOR-PROPOSED MODIFICATIONS TO THE DESIGN AT EACH LOCATION, AND BE PREPARED TO DISCUSS ANY SUCH LOCATIONS.

THE MEETING PARTICIPANTS WILL REVIEW EACH LOCATION AS REQUESTED BY THE CONTRACTOR, ADHERING TO THE ABOVE DETAILS. ADDITIONAL LOCATIONS WILL BE VERIFIED BY DISTRICT PERSONNEL FOR ADHERENCE TO THE PLANS AND SPECIFICATIONS.

COORDINATE WITH THE PROJECT ENGINEER TO SCHEDULE THE MEETING WITH ALL APPROPRIATE STAKEHOLDERS IN ORDER TO PROVIDE A MINIMUM OF 14 CALENDAR DAY NOTICE TO ALL MEETING ATTENDEES. THE REQUIRED STAKEHOLDERS ARE THE DISTRICT ADA ENGINEER, DISTRICT ADA COORDINATOR, MUNICIPAL REPRESENTATIVE (IF APPLICABLE), PROJECT ENGINEER, AND CONTRACTOR REPRESENTATIVE. THE ENGINEER OF RECORD, ODOT PROJECT MANAGER, ODOT DESIGNERS, AND CONSTRUCTION AREA ENGINEER SHOULD BE INVITED AS OPTIONAL ATTENDEES.

ALL MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS NEEDED TO COMPLETE THIS MEETING ARE TO BE INCLUDED IN THE CONTRACT BID PRICE FOR THE APPROPRIATE PEDESTRIAN FACILITY ASSOCIATED WITH THIS WORK.

GENERAL NOTES

HUR-224-0.00

MODEL: GENERAL NOTES SHEET1 PAPER: 34x22 (in.) DATE: 9/19/2023 TIME: 2:20:01 PM USER: ecaudill
pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 03\Huron\98447\400-Engineering\Roadway\Sheets\98447_GN001.dgn

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
ERC

REVIEWER
KCK 2023-06

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ROADWAY

ITEM 209 – LINEAR GRADING

THE CONTRACTOR IS REQUIRED TO PERFORM LINEAR GRADING ON THE GRADED SHOULDER. IT IS ANTICIPATED THAT THERE ARE AREAS WHERE THE GRADED SHOULDER IS AT A HIGHER ELEVATION THAN THE ADJACENT PROPOSED PAVEMENT. A 10:1 SLOPE SHALL BE ESTABLISHED, OR AS DIRECTED BY THE ENGINEER, WHEN PERFORMING ITEM 209 LINEAR GRADING. THE INTENT IS TO PROVIDE AN UNOBSTRUCTED AND POSITIVE FLOW OF STORM WATER FROM THE PAVEMENT TO THE DITCH. THE LINEAR GRADING SHALL BE PERFORMED AFTER THE INTERMEDIATE COURSE HAS BEEN COMPLETED AND BEFORE THE SURFACE COURSE IS PLACED. ALL LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER MILE FOR ITEM 209 - LINEAR GRADING.

MAILBOX APPROACHES

THE MAILBOX APPROACHES SHALL BE PAVED WITH [RESURFACING TREATMENT]. THEY SHALL CONFORM AS MUCH AS PRACTICAL TO STANDARD DRAWING BP-4.1 OR AS DIRECTED BY THE ENGINEER.

GRADING SHALL BE PERFORMED IN THESE AREAS TO OBTAIN A BASE WHICH WILL ALLOW THE FINISHED GRADE TO BE FLUSH WITH THE ADJACENT PAVEMENT. A QUANTITY OF ITEM 617 COMPACTED AGGREGATE HAS BEEN PROVIDED FOR AREAS WHERE THE SHOULDER IS LOW PRIOR TO GRADING AND/OR LOW AREAS CAUSED BY THE REMOVAL OF UNSUITABLE MATERIAL. QUANTITIES TO PERFORM THIS WORK HAVE BEEN INCLUDED IN THE GENERAL SUMMARY AND ARE ESTIMATED AS FOLLOWS:

ITEM 209 – GRADING MAILBOX APPROACHES	232 EACH
ITEM 617 – COMPACTED AGGREGATE	2320 CUBIC YARD

ITEM 203 – EMBANKMENT, AS PER PLAN

THIS ITEM CONSISTS OF PLACING EMBANKMENT AT THE SPECIFIED LOCATIONS IN PLACE OF CURB RAMPS, WALKS, OR OTHER PEDESTRIAN FACILITIES OR PORTIONS OF PEDESTRIAN FACILITIES TO BE REMOVED.

PLACE CLEAN TOPSOIL IN THE VOIDS LEFT BY ANY REMOVED SECTIONS OF PEDESTRIAN FACILITIES TO FINISH FLUSH WITH THE SURROUNDING GROUND AND/OR PROPOSED OR REMAINING PEDESTRIAN FACILITY AND/OR ROADWAY. AFTER THIS TOPSOIL HAS BEEN PLACED, SEED AND MULCH THE AREAS ACCORDING TO ITEM 659. THE COST FOR THIS SEEDING AND MULCHING IS TO BE CONSIDERED INCIDENTAL TO THIS EMBANKMENT, AS PER PLAN ITEM.

THE METHOD OF MEASUREMENT FOR EMBANKMENT MATERIAL IS TO BE THE NUMBER OF LOOSE CUBIC YARDS DELIVERED, PLACED, AND ACCEPTED IN LIEU OF THE REQUIREMENTS OF 203.09. PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT BID PRICE PER CUBIC YARD FOR ITEM 203 – EMBANKMENT, AS PER PLAN, WHICH IS TO INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK.

ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR ITEM 253 – PAVEMENT REPAIR

THESE ITEMS OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE

PAVEMENT REPAIR SHALL BE PERFORMED FOLLOWING PAVEMENT PLANING. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT

REPLACEMENT MATERIAL SHALL BE ITEM 301 AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE

FOR ITEM 253 – PAVEMENT REPAIR, PLACE AT LEAST ONE LIFT OF 301 BASE OVER THE ENTIRE AREA OF THE REPAIR BY THE END OF THE WORK SHIFT, NOT ALLOWING A FULL DEPTH REMOVAL AREA WHEN WORK IS NOT TAKING PLACE. PAYMENT SHALL INCLUDE ALL LABOR MATERIAL EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE WORK. FOR PAYMENT AND ESTIMATING PURPOSES, ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR IS TO BE A MAXIMUM OF 4" DEEP AS MEASURED FROM THE EXISTING PAVEMENT SURFACE. ITEM 253 – PAVEMENT REPAIR IS CONSIDERED FOR ANY REPAIRS DEEPER THAN 4" FROM THE EXISTING PAVEMENT SURFACE. PAYMENT WILL BE MADE AT UNIT BID PRICE PER CUBIC YARD, B TICKET WEIGHT CONVERSION OF ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR OR ITEM 253 – PAVEMENT REPAIR.

IN AREAS OF COMPOSITE PAVEMENT WHERE ITEM 253 – PAVEMENT REPAIR IS USED, CEASE EXCAVATION WHEN CONCRETE PAVEMENT IS REACHED. CORING DATA IS AVAILABLE IN THE CORING DATA TABLE IN THE GENERAL NOTES.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. INCLUDED IN THE ITEM 253 – PAVEMENT REPAIR QUANTITY IS TO REPAIR THE SHOULDER THAT BUTTS UP TO THE CONCRETE DRIVE ENTRANCE TO DUTCH MAID LOGISTICS TO THE EXISTING ROAD STRUCTURE.

ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR	
(TRANSVERSE)	291 CY
(LONGITUDINAL)	2618 CY
ITEM 253 – PAVEMENT REPAIR	279 CY
ITEM 253 – PAVEMENT REPAIR (DUTCH MAID)	12 CY

LOCATION NOTE: CURB RAMP CODES A1, A2, AND A3

THE CURB RAMP LOCATIONS AT THE INTERSECTION OF US 224 AND SR 61 IN NEW HAVEN ARE BEING REMOVED DUE TO LACK OF USE. THE REMOVAL OF THE PEDESTRIAN FACILITIES HAS BEEN APPROVED BY THE VILLAGE COUNCIL.

ADA WAIVERS:

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.


LOCATION CODE:	FEATURE	RAMP ID #:	APPROVAL DATE:	SUBSET #:
B2	RAMP	RMP0018052	6/1/23	4
F2	RAMP	RMP0018081	6/1/23	14
F3	RAMP	RMP0018080	6/1/23	14
H1	RAMP	RMP0018077	6/1/23	16
H2	RAMP	RMP0018078	6/1/23	16
I1	RAMP	RMP0018074	6/1/23	17
I2	RAMP	RMP0018248	6/1/23	17
I4	RAMP	RMP0018075	6/1/23	17
I5	RAMP	RMP0018249	6/1/23	17
I6	RAMP	RMP0018250	6/1/23	17
J1	RAMP	RMP0018072	6/1/23	19
K1	RAMP	RMP0018247	6/1/23	20
K2	RAMP	RMP0018246	6/1/23	20

GENERAL NOTES

HUR-224-0.00

MODEL: GENERAL NOTES SHEET 2 PAPER SIZE: 34x22 (in.) DATE: 9/19/2023 TIME: 2:20:32 PM USER: ecauallil pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 03\Huron\98447\400-Engineering\Roadway\Sheets\98447_GN001.dgn

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
ERC

REVIEWER
KCK 2023-06

PROJECT ID
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CORING DATA TABLE

COUNTY	ROUTE	SLM	ASPHALT (IN)	CONCRETE (IN)	BRICK (IN)	LOCATION	DIRECTION	YEAR CORED
HUR	US 224	0.024	16	0	0	LWP	EB	2022
HUR	US 224	0.025	15	0	0	RWP	EB	2022
HUR	US 224	0.025	8	0	0	Edge Line	EB	2022
HUR	US 224	0.685	10	0	0	LWP	EB	2022
HUR	US 224	0.684	21	0	0	RWP	EB	2022
HUR	US 224	0.684	9	0	0	Edge Line	EB	2022
HUR	US 224	1.087	21	0	0	LWP	EB	2022
HUR	US 224	1.088	17	0	0	RWP	EB	2022
HUR	US 224	1.088	8.5	0	0	Edge Line	EB	2022
HUR	US 224	1.611	15.5	0	0	LWP	EB	2022
HUR	US 224	1.611	17	0	0	RWP	EB	2022
HUR	US 224	1.611	10	0	0	Edge Line	EB	2022
HUR	US 224	2.005	15.5	0	0	LWP	EB	2022
HUR	US 224	2.002	20	0	0	RWP	EB	2022
HUR	US 224	2.002	15	0	0	Edge Line	EB	2022
HUR	US 224	2.529	19	0	0	LWP	EB	2022
HUR	US 224	2.528	17.5	0	0	RWP	EB	2022
HUR	US 224	2.528	12.5	0	0	Edge Line	EB	2022
HUR	US 224	2.986	21	0	0	LWP	EB	2022
HUR	US 224	2.986	15	0	0	RWP	EB	2022
HUR	US 224	2.985	11.5	0	0	Edge Line	EB	2022
HUR	US 224	3.703	17	0	0	LWP	EB	2022
HUR	US 224	3.703	18	0	0	RWP	EB	2022
HUR	US 224	3.703	0	0	0	Edge Line	EB	2022
HUR	US 224	6.893	11.5	7.5	0	LWP	EB	2022
HUR	US 224	6.893	11.5	8	0	RWP	EB	2022
HUR	US 224	6.894	12	0	0	Edge Line	EB	2022
HUR	US 224	7.695	11.5	7.5	0	LWP	EB	2022
HUR	US 224	7.694	12	8	0	RWP	EB	2022
HUR	US 224	7.695	12.5	0	0	Edge Line	EB	2022
HUR	US 224	8.043	12	7.5	0	LWP	EB	2022
HUR	US 224	8.042	12	9.5	0	RWP	EB	2022
HUR	US 224	8.042	8	0	0	Edge Line	EB	2022
HUR	US 224	8.674	10	9	0	null	null	2022
HUR	US 224	8.673	10	9	0	RWP	EB	2022
HUR	US 224	8.671	9.5	0	0	Edge Line	EB	2022
HUR	US 224	9.002	10	9	0	null	null	2022
HUR	US 224	9.002	10	9.5	0	RWP	EB	2022
HUR	US 224	9.002	7	0	0	Edge Line	EB	2022

HUR	US 224	9.565	10	9.5	0	LWP	EB	2022
HUR	US 224	9.565	10.5	8.5	0	RWP	EB	2022
HUR	US 224	9.564	9.5	9	0	Edge Line	EB	2022
HUR	US 224	9.982	11	9.5	0	LWP	EB	2022
HUR	US 224	9.983	11.5	7	0	RWP	EB	2022
HUR	US 224	9.983	10	7	0	Edge Line	EB	2022
HUR	US 224	10.614	10.5	7	0	LWP	EB	2022
HUR	US 224	10.614	10	9	0	RWP	EB	2022
HUR	US 224	10.614	7	0	0	Shoulder	EB	2022
HUR	US 224	10.998	11	9	0	LWP	EB	2022
HUR	US 224	10.998	10.5	6	0	RWP	EB	2022
HUR	US 224	10.998	10.5	0	0	Edge Line	EB	2022
HUR	US 224	11.541	11	8.5	0	LWP	EB	2022
HUR	US 224	11.539	11.5	8	0	RWP	EB	2022
HUR	US 224	11.539	9	6	0	Edge Line	EB	2022
HUR	US 224	12.037	10	9	0	LWP	EB	2022
HUR	US 224	12.035	10	8	0	RWP	EB	2022
HUR	US 224	12.035	9.5	0	0	Edge Line	EB	2022
HUR	US 224	12.556	11.5	8	0	LWP	EB	2022
HUR	US 224	12.554	19.5	0	0	RWP	EB	2022
HUR	US 224	12.555	11	0	0	Edge Line	EB	2022
HUR	US 224	13.002	11.5	5	0	LWP	EB	2022
HUR	US 224	13.003	20	0	0	RWP	EB	2022
HUR	US 224	13.003	11.5	0	0	Edge Line	EB	2022
HUR	US 224	13.57	11	9	0	LWP	EB	2022
HUR	US 224	13.569	18.5	0	0	RWP	EB	2022
HUR	US 224	13.569	10.5	0	0	Edge Line	EB	2022
HUR	US 224	13.972	12	7	0	LWP	EB	2022
HUR	US 224	13.973	19	0	0	RWP	EB	2022
HUR	US 224	13.972	10.5	0	0	Edge Line	EB	2022
HUR	US 224	14.469	10	0	0	LWP	EB	2022
HUR	US 224	14.468	11	0	0	RWP	EB	2022
HUR	US 224	14.469	0	0	0	Edge Line	EB	2022
HUR	US 224	15.005	10.5	8	0	LWP	EB	2022
HUR	US 224	15.006	10.5	0	0	RWP	EB	2022
HUR	US 224	15.005	9	0	0	Edge Line	EB	2022
HUR	US 224	15.739	11	7	0	LWP	EB	2022
HUR	US 224	15.74	19.5	0	0	RWP	EB	2022
HUR	US 224	15.74	8	0	0	Edge Line	EB	2022
HUR	US 224	16.083	10.5	8.5	0	LWP	EB	2022
HUR	US 224	16.082	7	0	0	RWP	EB	2022

HUR	US 224	16.083	12	0	0	Edge Line	EB	2022
HUR	US 224	16.524	10.5	8.5	0	LWP	EB	2022
HUR	US 224	16.523	11.5	9	0	RWP	EB	2022
HUR	US 224	16.525	11	0	0	Edge Line	EB	2022
HUR	US 224	17.051	10	4.5	3.5	LWP	EB	2022
HUR	US 224	17.048	11	0	3.5	RWP	EB	2022
HUR	US 224	17.048	10	0	3.5	Edge Line	EB	2022
HUR	US 224	17.589	14.5	2.5	4	LWP	EB	2022
HUR	US 224	17.593	11	0	0	RWP	EB	2022
HUR	US 224	17.591	7	0	0	Edge Line	EB	2022
HUR	US 224	18.054	15	0	3.5	LWP	EB	2022
HUR	US 224	18.055	20	0	0	RWP	EB	2022
HUR	US 224	18.055	6	0	0	Edge Line	EB	2022
HUR	US 224	18.755	17	0	0	LWP	EB	2022
HUR	US 224	18.756	12.5	0	0	RWP	EB	2022
HUR	US 224	18.756	8	0	0	Edge Line	EB	2022
HUR	US 224	19.234	21	0	0	LWP	EB	2022
HUR	US 224	19.234	19.5	0	0	RWP	EB	2022
HUR	US 224	19.235	6	0	0	Edge Line	EB	2022
HUR	US 224	19.662	16.5	0	0	LWP	EB	2022
HUR	US 224	19.66	12	0	0	RWP	EB	2022
HUR	US 224	19.66	6	0	0	Edge Line	EB	2022
HUR	US 224	20.079	19.5	0	0	LWP	EB	2022
HUR	US 224	20.079	20	0	0	RWP	EB	2022
HUR	US 224	20.079	9	0	0	Edge Line	EB	2022
HUR	US 224	20.534	18	0	0	LWP	EB	2022
HUR	US 224	20.535	19.5	0	0	RWP	EB	2022
HUR	US 224	20.535	7	0	0	Edge Line	EB	2022
HUR	US 224	20.969	20	0	0	LWP	EB	2022
HUR	US 224	20.97	19	0	0	RWP	EB	2022
HUR	US 224	20.969	11	0	0	Edge Line	EB	2022
HUR	US 224	21.205	19	0	0	LWP	EB	2022
HUR	US 224	21.203	17	0	0	RWP	EB	2022
HUR	US 224	21.204	11	0	0	Edge Line	EB	2022

GENERAL NOTES

**ITEM 614 – MAINTAINING TRAFFIC (GENERAL)
(TEM 642-2)**

MAINTAIN A MINIMUM OF ONE 10' LANE OF BIDIRECTIONAL TRAFFIC AT ALL TIMES UTILIZING FLAGGERS. REFERENCE SCD MT-97.10, MT-97.12, AND MT-97.20. UTILIZE ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE AT LOCATIONS INDICATED IN THIS PLAN.

FOR TRENCH WIDENING SECTIONS, DO NOT REMOVE MORE MATERIAL THAN CAN BE REPLACED IN THE SAME WORKING DAY. DO NOT LEAVE A TRENCH OPEN WHEN NOT INCLUDED IN AN ACTIVE WORK ZONE. REFERENCE SCD MT-101.90.

ENSURE DRIVE AND INTERSECTING ROAD ACCESS AT ALL TIMES EXCEPT AS NECESSARY FOR WORK IN THE IMMEDIATE VICINITY AS COORDINATED AND APPROVED BY THE ENGINEER. UTILIZE ITEM 410 - TRAFFIC COMPACTED SURFACE, TYPE A FOR MAINTENANCE OF DRIVES THROUGH TRENCHED AREAS AS NEEDED.

WORK ZONE LENGTH IS TO BE AT THE APPROVAL OF THE ENGINEER PRIOR TO IMPLEMENTATION.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

**ITEM 614 – MAINTAINING TRAFFIC (CLOSING PARAGRAPH FOR NOTE)
(TEM 642-12)**

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION WITH THE LATEST REVISIONS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

BUTT JOINTS

DO NOT CUT BUTT JOINTS AND ALLOW THEM TO BE LEFT OPEN TO TRAFFIC. FILL THE BUTT JOINTS WITH A TEMPORARY ASPHALT CONCRETE WEDGE USING ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC IN ACCORDANCE WITH THE TAPER RATES SET FORTH IN SCD BP-3.1.

ERECT AND MAINTAIN CONSTRUCTION "BUMP" (W8-1-36) AND "ADVISORY SPEED" (W13-1-24) SIGNS DURING THE PERIOD THE BUTT JOINT IS LEFT OPEN. PAYMENT FOR THESE SIGNS WILL BE MADE UNDER THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

**ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)
(TEM 642-6)**

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY	GREENWICH
NEW YEARS DAY	LABOR DAY	FIREMAN'S FESTIVAL
MEMORIAL DAY	THANKSGIVING	WILLARD'S FESTIVAL IN THE PARK

THE PERIOD OF TIME THAT LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

**ITEM 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED)
(TEM 642-7)**

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

**ITEM 614 – MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)
(TEM 642-9)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR MAINTENANCE OF TRAFFIC. INCLUDE THE COST FOR THE REMOVAL OF ALL MAINTENANCE OF TRAFFIC MATERIALS IN THE CONTRACT BID PRICE FOR EACH ITEM BELOW. REMOVE THE MATERIALS AT THE DIRECTION OF THE ENGINEER WHEN NO LONGER OPERATIONALLY NEEDED.

ITEM 614 – ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 50 CU YD

TEMPORARY PAVEMENT WEDGES

PROVIDE TEMPORARY PAVEMENT WEDGES AT ALL TIMES WHERE TRAFFIC IS REQUIRED TO TRAVEL FROM OR ONTO A SURFACE OF A DIFFERENT ELEVATION IN THE DIRECTION OF TRAVEL (JOINTS, MANHOLES, CATCH BASINS, VALVE BOXES, MONUMENT BOXES, ETC.). THE TAPER RATE OF THE TEMPORARY PAVEMENT WEDGES SHALL BE AS PER THE REQUIREMENTS IN THE CHART BELOW. REMOVE THE TEMPORARY PAVEMENT WEDGES PRIOR TO PLACING EACH PROPOSED PAVEMENT COURSE. CONSIDER PAYMENT FOR THIS WORK, INCLUDING ALL MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK, AS INCIDENTAL TO ITEM 614 – ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

SPEED		DURATION	
		7 DAYS OR LESS	MORE THAN 7 DAYS
45 MPH OR GREATER	LESS THAN 45 MPH	36H:1V	60H:1V
	45 MPH OR GREATER	60H:1V	120H:1V

**PLACEMENT OF ASPHALT CONCRETE
(TEM 642-13)**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**TRENCH WIDENING
(TEM 642-14)**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING
(TEM 642-15)**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3.5 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY, AND ON ONLY ONE SIDE OF THE ROADWAY AT A TIME. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

**WORK ZONE MARKINGS AND SIGNS
(TEM 642-20)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11. MARKING QUANTITIES ARE AS LISTED ON THE RPM AND PAVEMENT MARKING SUBSUMMARY.

WORK ZONE MARKING SIGN: (W8-H12A-36) NO EDGE LINE	36 EACH
WORK ZONE MARKING SIGN: (R4-1-24) DO NOT PASS	22 EACH
WORK ZONE MARKING SIGN: (R4-2-24) PASS WITH CARE	22 EACH
TOTAL:	80 EACH

**ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN
(TEM 642-41)**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET(S) OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.


PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
2 SIGN MONTH
ASSUMING 2 PCMS SIGN(S) FOR 1 MONTH(S)

SHEET NUM.														PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	7	8	9	11	12	16	17	18	23	47	48	49	51	01/NHS/05	02/NHS/13	03/SAE/21						
ROADWAY																						
						18,436	167		77					18,680			202	23000	18,680	SY	PAVEMENT REMOVED	
									1,670					1,670			202	30000	1,670	SF	WALK REMOVED	
									97					97			202	32000	97	FT	CURB REMOVED	
						9,156	5							9,161			203	10000	9,161	CY	EXCAVATION	
						982	1	22						1,005			203	20000	1,005	CY	EMBANKMENT	
	10							6						16			203	20001	16	CY	EMBANKMENT, AS PER PLAN	7, 19
									18					18			203	20001	18	CY	EMBANKMENT, AS PER PLAN (CURB RAMPS) (6" AVERAGE DEPTH)	22
						30,677	26							30,703			204	10000	30,703	SY	SUBGRADE COMPACTION	
								3.5						3.5			209	15000	3.5	STA	RESHAPING UNDER GUARDRAIL	
						38.14								38.14			209	60501	38.14	MILE	LINEAR GRADING, AS PER PLAN	5
232								8						232			209	80000	232	EACH	GRADING MAILBOX APPROACHES	
									1,078					8			606	35150	8	EACH	BRIDGE TERMINAL ASSEMBLY REBUILT, TYPE 4	
									620					1,078			608	10000	1,078	SF	4" CONCRETE WALK	
														620			608	52000	620	SF	CURB RAMP	
EROSION CONTROL																						
														1,000			832	30000	1,000	EACH	EROSION CONTROL	
DRAINAGE																						
			31						1					32			611	98635	32	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	8
			4											4			611	99155	4	EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN	8
PAVEMENT																						
2,618														2,618			251	01030	2,618	CY	PARTIAL DEPTH PAVEMENT REPAIR (442) LONGITUDINAL	
291														291			251	01030	291	CY	PARTIAL DEPTH PAVEMENT REPAIR (442) TRANSVERSE	
291														291			253	02000	291	CY	PAVEMENT REPAIR	
									93					93			254	01000	93	SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS)	
						314,264								314,264			254	01000	314,264	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.50")	
						82,904								82,904			255	20000	82,904	FT	FULL DEPTH PAVEMENT SAWING	
						3,588	44							3,632			301	56000	3,632	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
						5,635								5,635			304	20000	5,635	CY	AGGREGATE BASE	
						1,842	17							1,859			407	10000	1,859	GAL	TACK COAT (0.05 GAL/SY)	
						19,621	15							19,636			407	10000	19,636	GAL	TACK COAT (0.09 GAL/SY)	
						14,515								14,515			408	10001	14,515	GAL	PRIME COAT, AS PER PLAN (0.4 GAL/SY)	15
						14,309	12							14,321			442	10000	14,321	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	15, 16
						1,028								1,028			442	10080	1,028	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
									59					59			609	25000	59	FT	CURB, TYPE 6	
2,320						6,898	3		5					9,226			617	10100	9,226	CY	COMPACTED AGGREGATE	
														9.18			618	41000	9.18	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
														16.37			618	43000	16.37	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
						36,856	45							36,901			SPECIAL	69012060	36,901	SY	PAVEMENT OVERLAY FABRIC COMPOSITE (4'-0" WIDTH)	15, 16

GENERAL SUMMARY

DESIGN AGENCY
DISTRICT 3



ENGINEERING
 TEAM ONE

DESIGNER
ERC

REVIEWER
KCK 2023-06

PROJECT ID
98447

SHEET TOTAL
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SHEET NUM.

PART.

ITEM

ITEM EXT

GRAND TOTAL

UNIT


DESCRIPTION

SEE SHEET NO.

5	7	8	9	11	12	16	17	18	23	47	48	49	51	01/NHS/05	02/NHS/13	03/SAE/21	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
STRUCTURE REPAIR 3903427																						
													81				409	30000	81	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
													101				517	75600	101	FT	DEEP BEAM BRIDGE RETROFIT RAILING	
STRUCTURE REPAIR 3903478																						
													82				409	30000	82	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
													76				517	75600	76	FT	DEEP BEAM BRIDGE RETROFIT RAILING	
MAINTENANCE OF TRAFFIC																						
					80								80				614	11110	80	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				22									22				614	12460	22	EACH	WORK ZONE MARKING SIGN(R4-1-24) DO NOT PASS	
				22									22				614	12460	22	EACH	WORK ZONE MARKING SIGN(R4-2-24) PASS WITH CARE	
				36									36				614	12460	36	EACH	WORK ZONE MARKING SIGN(W8-H12A-36) NO EDGE LINE	
				50									50				614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
				2									2				614	18601	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	10
											38.49		38.49				614	21550	38.49	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
											1,060		1,060				614	23680	1,060	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
											1,740		1,740				614	26200	1,740	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
INCIDENTALS																						
													LS	LS	LS		614	11000	LS		MAINTAINING TRAFFIC	
													5				619	16010	5	MNTH	FIELD OFFICE, TYPE B	
													LS	LS	LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	LS	LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
DISTRICT 3



ENGINEERING
 TEAM ONE

DESIGNER
ERC

REVIEWER
KCK 2023-06

PROJECT ID
98447

SHEET TOTAL
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HUR-224-0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/19/2023 TIME: 3:16:45 PM USER: ecauall p:\vohodo-pw-bentley.com\projects\District 03\Huron\98447\400-Engineering\Roadway\Sheets\98447_GS001.dgn

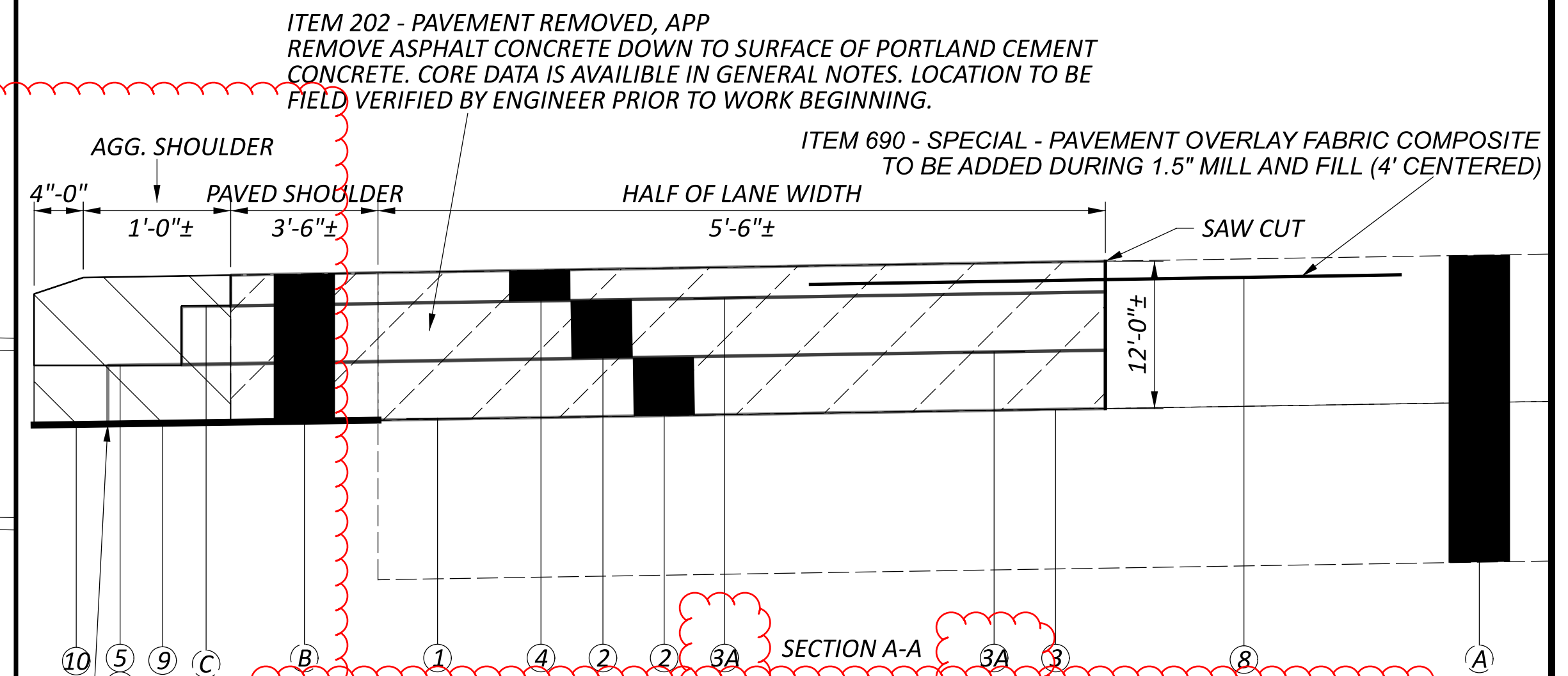
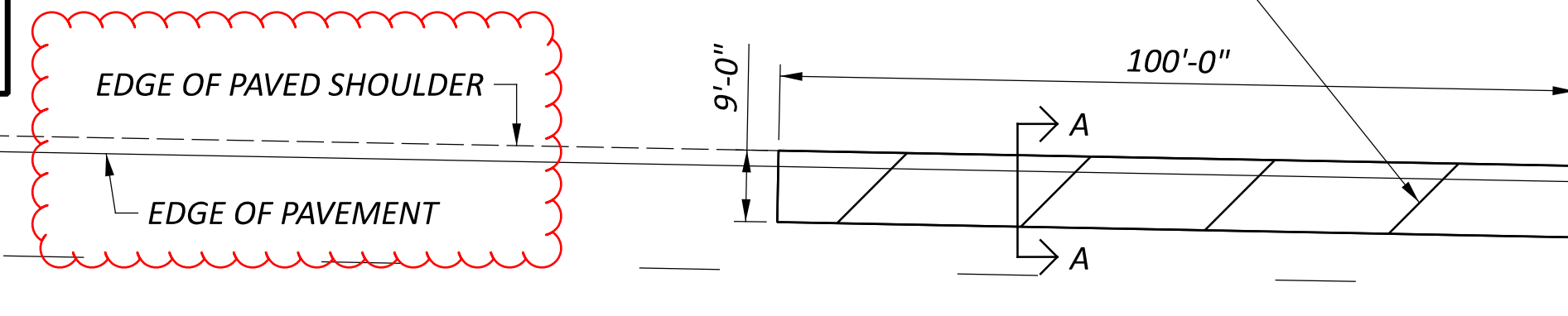
Main data table with columns for PLAN SPLIT, COUNTY, ROUTE, LOG POINT TO LOG POINT, LENGTH (MILE, FEET), EXISTING AVERAGE WIDTH, PROPOSED AVERAGE WIDTH, TYPICAL SECTION NUMBER, EXISTING PAVEMENT AREA, PROPOSED PAVEMENT AREA, and various material quantities (e.g., ASPHALT CONCRETE, SUBGRADE, etc.) in different units (SQ YD, GAL, INCHES, CU YD, MILE).

Summary section including '617' and '408' sub-totals, 'EXTRA AREA FOR INTERSECTIONS', 'EXTRA AREA FOR AGGREGATE DRIVES', 'EXTRA AREA FOR PAVED DRIVES', 'EXTRA AREA FOR EXISTING MAILBOX APPROACHES', 'EXTRA AREA FOR PROPOSED MAILBOX APPROACHES', 'EXTRA AREA SUBTOTAL', and 'GRAND TOTAL CARRIED TO GENERAL SUMMARY'. Includes a logo for 'ENGINEERING TEAM ONE' and 'ERC' with 'REVIEWER KCK 2023-06' and 'PROJECT ID 98447'.

PAVEMENT AND SHOULDER DATA QUANTITY SHEET

LOCATION INFORMATION:
US 224 SLM: 7.10
IN FRONT OF DUTCH MAID
TRUCK ENTRANCE

SEE SECTION A-A FOR FURTHER REPAIR DETAILS. ENSURE TO PROVIDE
PROPER NOTIFICATION CRITERIA AS STATED IN MOT NOTES. REMOVE
ASPHALT CONCRETE DOWN TO SURFACE OF PORTLAND CEMENT
CONCRETE. CORE DATA IS AVAILABLE IN GENERAL NOTES. LOCATION TO
BE FIELD VERIFIED BY ENGINEER PRIOR TO WORK BEGINNING.



ITEM 202 - PAVEMENT REMOVED, APP
REMOVE ASPHALT CONCRETE DOWN TO SURFACE OF PORTLAND CEMENT
CONCRETE. CORE DATA IS AVAILABLE IN GENERAL NOTES. LOCATION TO BE
FIELD VERIFIED BY ENGINEER PRIOR TO WORK BEGINNING.

ITEM 690 - SPECIAL - PAVEMENT OVERLAY FABRIC COMPOSITE
TO BE ADDED DURING 1.5" MILL AND FILL (4' CENTERED)

PAVEMENT DETAILS SUBSUMMARY DUTCH MAID LOCATION SLM: 7.10			
ITEM	DESCRIPTION	QUANTITY	UNIT
202	PAVEMENT REMOVED	12	DEPTH (IN)
		134	SY
203	EXCAVATION EMBANKMENT	5	VOL. (CY)
		1	VOL. (CY)
204	SUBGRADE COMPACTION	2'-4"	WIDTH (FT)
		26	SY
301	ASPHALT CONCRETE BASE, PG64- 22, (449)	9.5	DEPTH (IN)
		44	CY
407	TACK COAT	0.09	RATE GAL/SY
		15	VOL. (GAL)
407	TACK COAT	0.05	RATE GAL/SY
		17	VOL. (GAL)
442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	2.5	DEPTH (IN)
		12	CY
617	COMPACTED AGGREGATE	5.75	DEPTH (IN)
		3	CY
690	SPECIAL - PAVEMENT OVERLAY FABRIC COMPOSITE	4	WIDTH (FT)
		45	SY

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

QUANTITIES FOR:
ITEM 209 - LINEAR GRADING
ITEM 409 - PRIME COAT, AS PER PLAN (0.40 GAL/SY)
WILL BE SHOWN IN THE PAVEMENT AND SHOULDER
DATA SHEET

PROPOSED LEGEND

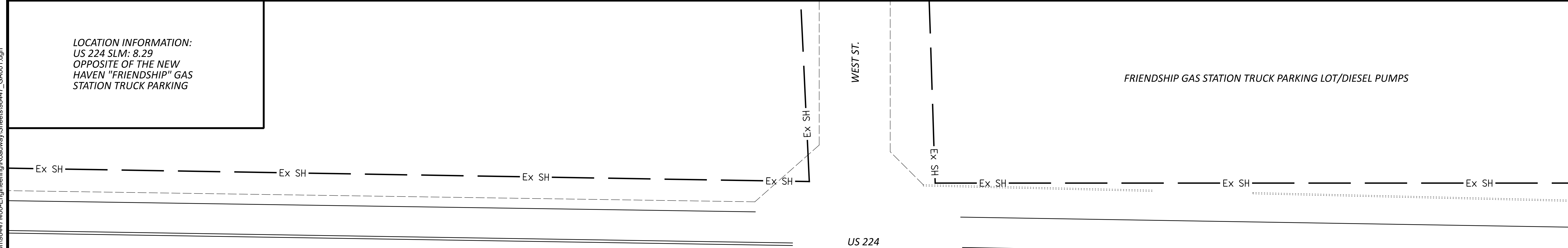
FOR MORE
INFORMATION
ON EDGE COURSE
DESIGN
REFERENCE
SIMILAR DESIGN
TYPICAL 2 ON
SECTIONS SHEET

- 1 - ITEM 202 - PAVEMENT REMOVED
- 2 - ITEM 301 - ASPHALT CONCRETE BASE COURSE (TWO LIFTS AT 4.50" EACH)
- 3 - ITEM 407 - TACK COAT (0.09 GAL/SY)
- 3A - ITEM 407 - TACK COAT (0.05 GAL/SY)
- 4 - ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) (TWO LIFTS AT 1.50" EACH)
- 5 - ITEM 209 - LINEAR GRADING
- 6 - ITEM 409 - PRIME COAT, AS PER PLAN (0.40 GAL/SY)
- 7 - ITEM 617 - COMPACTED AGGREGATE (4.75" AVERAGE)
- 8 - ITEM 690 - SPECIAL - PAVEMENT OVERLAY FABRIC COMPOSITE
- 9 - ITEM 203 - EXCAVATION
- 10 - ITEM 203 - EMBANKMENT

EXISTING LEGEND

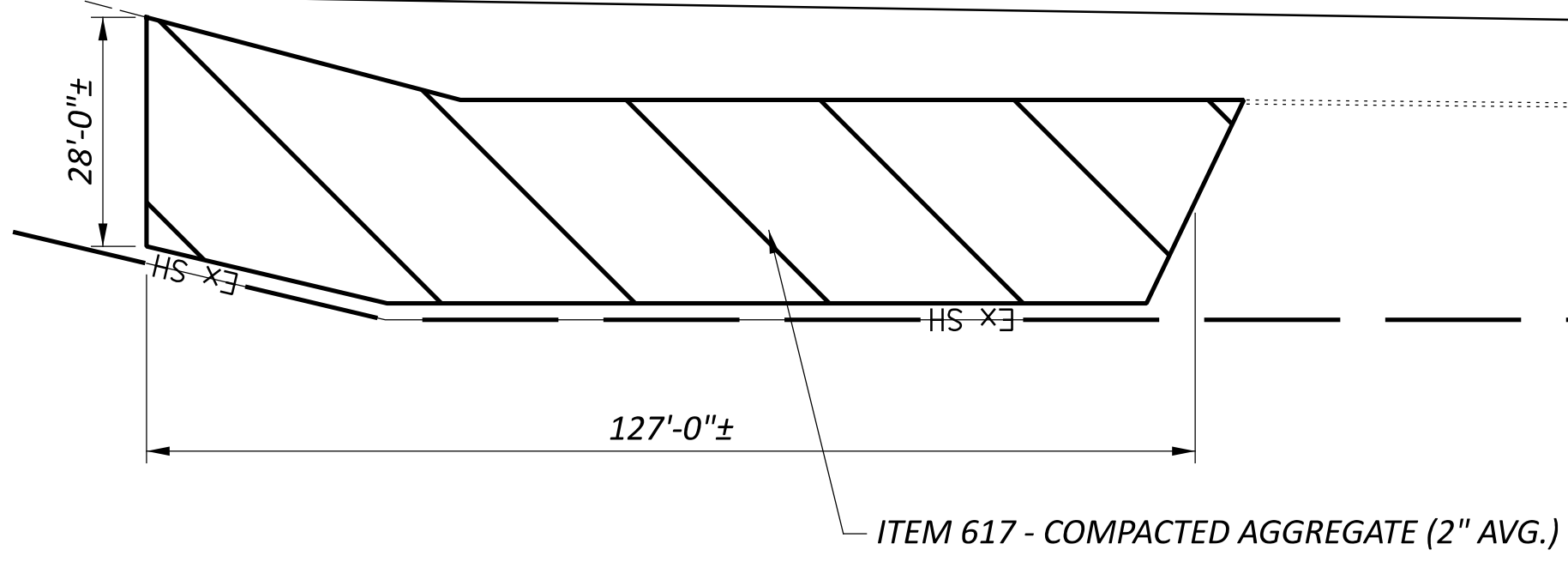
- A - EXISTING COMPOSITE PAVEMENT (25"±) (SEE CORING INFORMATION FOR DETAILS)
- B - EXISTING ASPHALT SHOULDER (12"±) (SEE CORING INFORMATION FOR DETAILS)
- C - EXISTING AGGREGATE SHOULDER

LOCATION INFORMATION:
US 224 SLM: 8.29
OPPOSITE OF THE NEW
HAVEN "FRIENDSHIP" GAS
STATION TRUCK PARKING



PAVEMENT DETAILS SUBSUMMARY NEW HAVEN LOCATION SLM: 8.29			
ITEM	DESCRIPTION	QUANTITY	UNIT
617	COMPACTED AGGREGATE	3288	SF
		21	CY

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



REPAIR DETAILS

HUR-224-0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/19/2023 TIME: 2:24:08 PM USER: ecaudill
pvc:\ohodoo-pw-bentley.com\ohodoo-pw-02\Documents\01 Active Projects\District 03\Huron\98447\400-Engineering\Roadway\Sheets\98447_GA001.dgn

DESIGN AGENCY
DISTRICT 3

ENGINEERING
TEAM ONE

DESIGNER
ERC

REVIEWER
KCK 2023-06

PROJECT ID
98447

SHEET TOTAL
P.17 | 58

