WAY - SR 585

# STATE OF OHIO

# DEPARTMENT OF TRANSPORTATION

# SUM/WAY-21/585-0.00/VAR PART

CITY OF NORTON, CHIPPEWA TOWNSHIP

SUMMIT, WAYNE COUNTY FOR PART 2, SEE SUM/WAY-585-0.00/18.47 PART 2

# LOCATION MAP

LATITUDE: N41°1'23" LONGITUDE: W81°39'56"





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

### DESIGN DESIGNATION

DESIGN FUNCTIONAL CLASSIFICATION: SR 21 - URBAN FREEWAY AND EXPRESSWAY / NHS: YES IR 76 - URBAN FREEWAY AND EXPRESSWAY/ NHS: YES SR 261 - URBAN MINOR ARTERIAL / NHS: NO SR 585 - URBAN FREEWAY AND EXPRESSWAY / NHS: NO

# DESIGN EXCEPTIONS

NONE

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# PROJECT DESCRIPTION

RESURFACING SUM STATE ROUTE 21 FROM 0.00 TO 5.14 AND SUM STATE ROUTE 585 FROM 0.13 TO 1.28 INCLUDING RAMPS AT THE SR 21/585 INTERCHANGE. ALSO INCLUDES MINOR BRIDGE WORK TO SEVERAL STRUCTURES

## EARTH DISTURBED AREAS

PROJECT EDA: N/A (MAINTENANCE PROJECT) ESTIMATED CONTRACTOR EDA: N/A (MAINTENANCE PROJECT) NOTICE OF INTENT EDA: N/A (MAINTENANCE PROJECT)

# LIMITED ACCESS (SR-21,I-76)

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

# 2019 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 9-15, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

# UNDERGROUND UTILITIES Contact Two Working Days Before You Dig

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

PLAN PREPARED BY: ODOT DISTRICT 4 PLANNING & ENGINEERING 2088 SOUTH ARLINGTON RD AKRON, OH 44306

		Γ.	STANDARD	CONSTRUCTION DRA	AWINGS (F	PART I AN	D PART 2)	•		SUPPLEMENTAL SPECIFICATIONS	SPE: PROVI	
	BP-3.1	7/18/14	MGS-1.1	1/19/18 MT-98.10	1/20/17	TC-41.20	10/18/13	HL-30.21	1/17/14	800-2019 10/18/19	WPC	2/21/20
	BP-4.1	7/19/13	MGS-2.1	1/19/18 MT-98.11	4/19/19	TC-41.50	10/18/13	HL-30.22	1/17/14	808 1/18/19		
	BP-6.1	7/19/13	MGS-3.1	1/19/18 MT-98.20	4/19/19	TC-42.10	10/18/13	HL-40.20	7/19/19	821 4/20/12		
ENGINEERS SEAL:	BP-9.1	1/18/19	MGS-3.2	1/18/13 MT-98.22	1/20/17	TC-42.20	10/18/13	HL-50.11	1/16/15	832 10/19/18		
ENGINEERS SEAL:			MG5-4.2	7/19/13 MT-98.28	1/20/17	TC-52.10	10/18/13	HL-60.11	7/21/17	872 7/19/19		
ALIENTEN PROPERTY.	HW-1.1	7/20/18	MGS-4.3	1/18/13 MT-98.29	1/20/17	TC-52.20	7/20/18	HL-60.12	7/15/16	908 10/20/17		
THE OF OFFIE	H₩-2.2	7/20/18	MGS-5.2	7/15/16 MT-98.30	7/21/17	TC-65.10	1/17/14	HL-60.31	1/18/19	921 4/20/12		
MARK			MGS-5.3	7/15/16 MT-99.20	4/19/19	TC-65.II	7/21/17			875 1/18/19		
	DM-1.1	7/21/17		MT-101.60	1/20/17	TC-71.10	1/19/18	TC-41.10	7/19/13	813 10/19/18		
另 E-80194 近	DM-4.3	1/15/16	EXJ-2-81	7/19/02 MT-101.70	7/20/18	TC-72.20	7/20/18			825 1/18/19		
2027	DM-4.4	1/15/16		MT-101.75	7/15/16					913 4/21/17		
G/STER GI			MT-95.30	4/19/19 MT-101.90	7/21/17	HL-10.11	7/19/19					
ONAL ESTA	F-2.1	7/20/18	MT-95.40	1/20/17 MT-102.20	4/19/19	HL-10.12	1/20/17	(Contract of the Contract of t				
20 01.0	F-3.3	7/19/13	MT-95.45	4/19/19 MT-104.10	10/16/15	HL-10.13	7/20/18					
SIGNED: M. O.	F-3.4	7/19/13	MT-95.50	7/21/17 MT-105.10	7/19/13	HL-20.11	4/21/17					
DATE: 11/19/19			MT-97.10	4/19/19		HL-30.11	7/19/19					

DISTRICT DEPUTY DIRECTOR

APPROVED. DATE\_

DIRECTOR, DEPARTMENT OF TRANSPORTATION

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#### MAINTENANCE OF TRAFFIC

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THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

- 1. A MINIMUM OF ONE TWELVE FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
- 2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208. EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
- 3. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.
- 4. ALL FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SHALL BE COMPLETED THE SAME DAY THE EXCA-VATION IS MADE. IF THE CONTRACTOR CANNOT COMPLETE THE WORK, THE EXCAVATION SHALL BE BACKFILLED OR PRO-TECTED AS PER STANDARD CONSTRUCTION DRAWING MT-101.90.
- 6. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.
- 7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS ONE [1] MILE .
- 8. FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION
- 9. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.
- 10. A QUANTITY OF 15 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
- 11. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

12. THE CONTRACTOR SHALL PLACE THE SIGNS: W8-1 [BUMP] PER OMUTCD 2C.28; W8-11 [UNEVEN LANES] PER OMUCTD 6F.45; AND W6-3 [TWO-WAY TRAFFIC] PER OMUTCD 6F.32. PAYMENT FOR THESE SIGNS SHALL BE INCIDENTAL TO THE LUMP SUM ITEM 614-MAINTAINING TRAFFIC. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS PER CMS 614.04.

13. THE CONTRACTOR SHALL SET A WORK ZONE AT THE REQUEST OF THE ENGINEER TO ALLOW THE LAYOUT OF THE PARTIAL/FULL DEPTH PAVEMENT REPAIR AREAS. THIS WORK IS INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAIN-TENANCE OF TRAFFIC ON THIS PROJECT:

PHASE I - PLANED SURFACE

614, WORK ZONE CENTER LINE, CLASS I, 0.06 MILE 614, WORK ZONE LANE LINE, CLASS I, 6", 12.77 MILE

614. WORK ZONE STOP LINE, CLASS 1, 263 FT

614, WORK ZONE CHANNELIZING LINE, 12", CLASS 1, 9480 FT 614, WORK ZONE MARKING SIGN, 60 EACH (ALL PHASES)

PHASE II - SURFACE COURSE

614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT 0.06 MILE 614, WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT 12.77 MILE 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 263 FT 614, WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT 9480 FT

TO BE USED AS DIRECTED BY THE ENGINEER 614, WORK ZONE EDGE LINE, CLASS III, 642 PAINT, 30.76 MILE

#### TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REP-RESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISS-ING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL SHALL HAVE NO OTHER CONSTRUCTION RELATED DUTIES. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

#### ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

#### TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 7 CONSECUTIVE CALENDAR DAYS. SHOULD PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO SHALL BE ASSSESSED A DISINCENTIVE IN THE AMOUNT OF \$3,000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMT.

#### LANE CLOSURES (SR-21, IR-76)

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMIT-TED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT: http://plcm.dot.state.oh.us

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIRE-MENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF \$3000 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

## TEMPORARY PAVEMENT WEDGES

TEMPORARY PAVEMENT WEDGES SHALL BE PROVIDED 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. TEMPORARY PAVEMENT WEDGES SHALL BE REMOVED PRIOR TO PLACING THE SPECIFIED PAVEMENT COURSE. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID ITEM FOR ITEM 614 - MAINTAINING TRAFFIC.

		DURA	ATION
		7 DAYS OR LESS	MORE THAN 7 DAYS
SPEED	LESS THAN 45 MPH	36:1	60:1
SPEED	45 MPH OR GREATER	60:1	120:1

#### NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO. ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

	NOTIFICATIO	ON TIME TABLE					
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO					
ROAD & RAMP	>= 2WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE					
CLOSURES	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE					
CLUSURES	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE					
	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE					
RESTRICTIONS	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE					
	•						
START OF							
CONSTRUCTION &	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION					
TRAFFIC PATTERNS	IN/A	14 CALENDAR DATS PRIOR TO IMPLEIVENTATIO					
CHANGES							

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

#### ITS MESSAGE BOARDS

THE EXISTING ITS MESSAGE BOARDS IN THE VICINITY OF THE PROJECT WILL BE UTILIZED TO PROVIDE SUPPLEMENTAL INFORMATION TO THE TRAVELING PUBLIC. THE CONTRACTOR WILL NOTIFY THE PROJECT ENGINEER ONE [1] WEEK IN ADVANCE OF ANY PHASE CHANGE ON SR 21 OR IR 76 . THE PROJECT ENGINEER WILL COORDINATE WITH RAY MARSCH AT 330-786-2208 TO GET THE ITS MESSAGE BOARDS ADJUSTED.

BRIDGE NUMBER	SFN	FEATURE INTERSECTED	DECK SEALING	DECK PATCHING (CONCRETE)	CONCRETE PATCHING (NON-DECK)	EPOXY URETHANE SEALING OF CONCRETE SURFACES	APPROACH GUARDRAIL WORK	EROSION / SCOUR / SLOPE PROTECTION REPAIR	FIELD PAVING PIPE INVERT	APPROACH ASPHALT RESURFACING	CLEARING & GRUBBING	NEW STRUCTURE ID SIGNS	OTHER WORK
SUM-21-0028L	7701055	OVER SUM SR-585	Х		SUB	SUB; PARA					Х	Х	
SUM-21-0030R	7701144	OVER SUM SR-585	Х		SUB	SUB; PARA	FR				Х	Х	
SUM-21-0181L	7701209	OVER DOROTHY ST & ABC RR	Х	X	SUB	SUB; PARA	RL				Х	Х	EXP JNT
SUM-21-0181R	7701233	OVER DOROTHY ST & ABC RR	Х	X	SUB; PARA	SUB; PARA	FR				Х	Х	
SUM-21-0207	7701268	UT TO HUDSON CREEK						Х	Х		X	Х	
SUM-21-0274	7701322	HUDSON CREEK							Х		Х	Х	CHANNEL
SUM-21-0814	7701713	PIGEON CREEK						Х			Х	Х	
SUM-21-0863	7701748	UNDER RIDGEWOOD RD				SUB; PARA; ABUT; PIER					Х		
SUM-76-0010	7704860	UNDER MEDIANA LINE ROAD	Х	X			RR, RL				Х	Х	
SUM-76-0109	7704925	UNDER HAMETOWN ROAD					F,R			Х	Х	Х	SPALL
SUM-76-0128	7705018	OVER SUM SR-21	Х								Х	Х	
SUM-76-0263	7705078	UNDER CLEVE-MASS ROAD	Х								Х	Х	
SUM-76-0416	7705132	OVER BARBER ROAD	Х								Х	Х	
SUM-76-0427	7705191	OVER WOLF CREEK	Х								Х	Х	
SUM-261-0135	7708467	OVER SUM SR-21	Х							X	Х	Х	
SUM-585-0062	7710895	UNDER HAMETOWN ROAD	Х	X							Х	Х	
SUM-585-0107	7710992	RAMP A OVER WOOSTER ROAD	Х	X	SUB; PARA	SUB; PARA	FR, FL, RL				X	X	

#### DECK SEALING

- SEAL EXISTING WEARING SURFACE AND APPROACH SLABS WITH GRAVITY FED RESIN CONCRETE TREATMENT.

## DECK PATCHING (CONCRETE)

- REPAIR VISIBLY UNSOUND OR PREVIOUSLY PATCHED AREAS OF THE EXISTING DECK AND APPROACH SLAB.

#### CONCRETE PATCHING (NON-DECK)

- PATCH ALL UNSOUND AREAS AT THE LOCATIONS NOTED IN THE STRUCTURE PROPOSED WORK TABLE.
- SEAL ALL REPAIRED AREAS WITH EPOXY URETHANE.

SUB - SUBSTRUCTURE PARA - PARAPETS ABUT - ABUTMENTS WW - WINGWALL

PIER - PIERS

# EPOXY SEALING OF CONCRETE

- REMOVE EXISTING SEALER IF PRESENT AND SEAL THE EXPOSED CONCRETE SURFACES WITH WITH EPOXY URETHANE CONCRETE SEALER. SEE SHEETS 7/9 FOR DETAILS.

## APPROACH GUARDRAIL WORK

- REPAIR DAMAGED APPROACH GUARDRAIL AT THE LOCATIONS DESCRIBED IN THE STRUCTURE PROPOSED WORK TABLE

F - FORWARD

FR - FORWARD RIGHT

FL - FORWARD LEFT

R - REAR

RR - REAR RIGHT

RL - REAR LEFT

EROSION/SCOUR/SLOPE PROTECTION REPAIR

- REPAIR ERROSION AT THE LOCATION DESCRIBED IN THE STRUCTURE PROPOSED WORK TABLE AND IN THE EROSION REPAIR NOTE ON SHEET 2/9

FIELD PAVING PIPE INVERT
-PAVE EXISTING INVERT WITH CONCRETE

APPROACH ASPHALT RESURFACING

-RESURFACE 50' (SUM-76-0109) / 160' SUM-261-0135 OF THE FORWARD AND REAR APPROACH ASPHALT CONCRETE (SEE SHEET 18/30)

CLEARING AND GRUBBING

-CLEARING AND GRUBBING 15' AROUND THE STRUCTURE TO REMOVE VEGETATION.

NEW STRUCTURE ID SIGNS

-PROVIDE NEW AND CORRECT STRUCTURE IDENTIFICATION SIGNS

OTHER WORK: SUM-21-0181L

-REMOVE AND REPLACE THE EXISTING FORWARD AND REAR EXPANSION JOINT GLAND.

SUM-21-0274 -CHANNEL CLEANOUT

SUM-76-0109
-REMOVE ALL SPALLED AREAS OF THE DECK FLOOR AND SEAL WITH EPOXY URETHANE.

#### STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):
EXJ-2-81 DATED (REVISED) 7/19/02

#### DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION, INCLUDING THE 2002 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

#### EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

#### CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY
MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A
LUMP SUM QUANTITY IS INCLUDED IN THE ESTIMATED QUANTITIES
FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS
AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE
INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201,
CLEARING AND GRUBBING.

--- DISTRICT 4 AND ENGINEERING

												CALC: BF	R DATE:	9/5/2019
										ESTIM	ATED Q	UANTITIES		
		BR	IDGE NO.	/ STRUCT	URE FILE	NO.								
SUM-21-0028L 7701055 03/NHS/BR	SUM-21-0030R 7701144 03/NHS/BR	SUM-21-0181L 7701209 03/NHS/BR	SUM-21-0181R 7701233 03/NHS/BR	SUM-21-0207 7701268 03/NHS/BR	SUM-21-0274 7701322 03/NHS/BR	SUM-21-0814 7701713 04/NHS/BR	SUM-21-0863 7701748 03/NHS/BR	SUM-76-0010 7704860 01/IMS/BR	ITEM	EXTENSION	UNIT	DESCRIPTION		SEE SHEET
LS	LS	LS	LS	LS	LS	LS	LS	LS	201	11000		CLEARING AND GRUBBING		
	62.5	125	125					50	202	38000	FT	GUARDRAIL REMOVED		
				584	452				SPECIAL	20270130	FT	PIPE CLEANOUT OVER 48"		2
					LS				202	98000		REMOVAL MISC.:CHANNEL CLEANOUT	_	2
						10			203	40000	CY	BORROW		
				LS	LS		1.10		503 512	11100	CV	COFFERDAMS AND EXCAVATION BRACING		
268	268	252	323				146 1102		512	10050 10100	SY SY	SEALING OF CONCRETE SURFACES (NON-EPOXY) SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
1800	1400	1028	1349				1102	1042	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
243	243	232	283				1248	1012	512	74000	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		
		71							516	10901	FT	ELASTOMERIC COMPRESSION SEAL, AS PER PLAN		2
200	200	150	300						519	11101	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		2
		6	8					6	519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C		
				15		20			601	22400	OV	DOOK CHANNEL PROTECTION TYPE B WITH FILTER		
	62.5	125	125	15		20		50	601 606	32100 15100	CY FT	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER GUARDRAIL, TYPE MGS WITH LONG POSTS		
	02.3	125	125	584				30	611	96550	FT	FIELD PAVING OF EXISTING PIPE (TWIN 12' CMP)		
					452				611	96550	FT	FIELD PAVING OF EXISTING PIPE (15'-10"X9'-10" CMP ARCH)		
				5	5				613	41200	CY	LOW STRENGTH MORTAR BACKFILL		
21	21	21	21	14	14	14		42	630	02100	FT	GROUND MOUNTED SUPPORT, NO. 2 POST		
6	6	6	6					12	630	80100	SF	SIGN, FLAT SHEET		
1	1	1	1	2	2	2		2	630 630	80100 84900	SF	SIGN, FLAT SHEET, 730.20 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
2	3 2	3	3 2	2 2	2	2		6 4	630	86002	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL  REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
								<del>                                     </del>	000	00002	L/ (OIT	TREMOVAL OF STROUBLE MOSIVIED FOOT SOLF STREET BIG SOME		
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SUM/WAY-21/585-0.00/VAR PART 1 PID No. 94123

STRUCTURE ESTIMATED QUANTITIES
SUM SR-21: 0028L, 0030R, 0181L&R, 0207, 0274, 0814 SUM IR-76: 0010, 0109, 0128, SUM IR-76: 0263, 0416, 0427 SUM-261-0135, SUM SR-585: 0062, 0107

# STRUCTURE SUM-21-0207 SITE PLAN

SHOWN. CURRENT PATH OF UT TO HUDSON CREEK









