

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

# HUR-20-10.76

CITY OF NORWALK  
RIDGEFIELD TOWNSHIP  
NORWALK TOWNSHIP  
HURON COUNTY

**PROJECT DESCRIPTION**

THIS PROJECT WILL INCLUDE RESURFACING MAINLINE PAVEMENT, PAVED SHOULDERS, AND RAMPS; PAVEMENT REPAIRS; FULL DEPTH PAVING OF ONE RAMP; MINOR STRUCTURE WORK, AND PAVEMENT MARKINGS.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)  
NOTICE OF INTENT EARTH DISTURBED AREA: N/A  
(MAINTENANCE PROJECT)


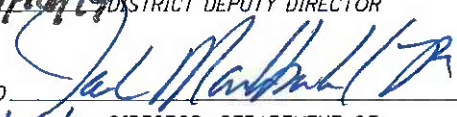
**LIMITED ACCESS**

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.

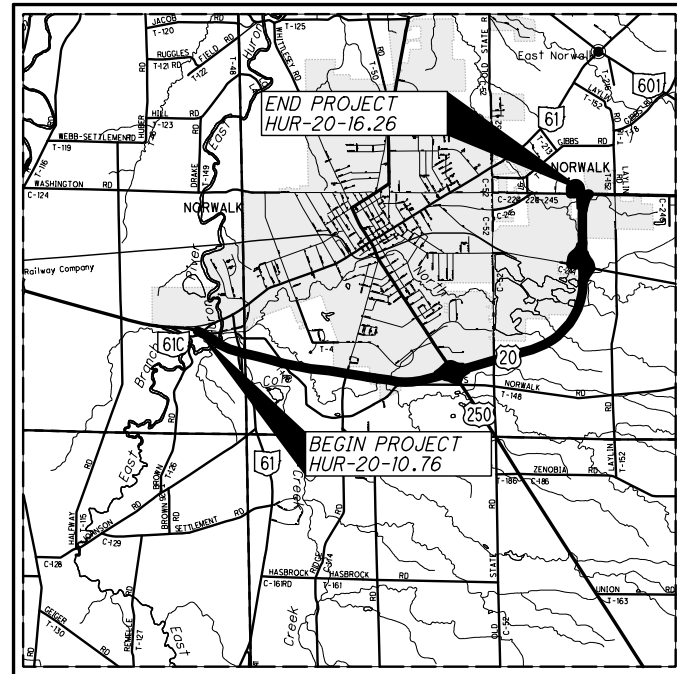
**2019 SPECIFICATIONS**

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 REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 12.

APPROVED:   
DATE: 07/16/19 DISTRICT DEPUTY DIRECTOR  
APPROVED:   
DATE: 3/17/20 DIRECTOR, DEPARTMENT OF TRANSPORTATION

PLANS PREPARED BY:  
 OHIO DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE ENGINEERING



LOCATION MAP

LATITUDE: 41° 13' 20" LONGITUDE: 82° 35' 55"



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

**DESIGN DESIGNATION**

SEE SHEET 3

**DESIGN EXCEPTIONS**

NONE REQUIRED

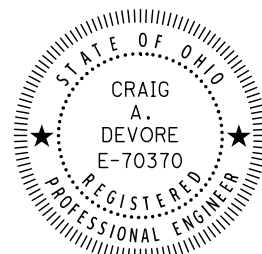

**INDEX OF SHEETS**

TITLE SHEET	1	STRUCTURE DETAILS	
SCHEMATIC	2 - 3	STRUCTURE NOTES & SUMMARY	29 - 31
TYPICAL SECTIONS	4 - 6	GENERAL DETAILS	32 - 33
GENERAL NOTES	7 - 8	STRUCTURE HUR-20-1076 L/R	34 - 36
MAINTENANCE OF TRAFFIC	9 - 11	STRUCTURE HUR-20-1097 L/R	37 - 39
DETOUR DETAILS	12	STRUCTURE HUR-20-1123 L/R	40 - 42
GENERAL SUMMARY	13	STRUCTURE HUR-20-1170	43
PAVEMENT AND SHOULDER DATA	18	STRUCTURE HUR-20-1236	44 - 45
PAVEMENT MARKING AND RPMS	19	STRUCTURE HUR-250-0492	46
FULL DEPTH RECONSTRUCTION DETAIL	20	STRUCTURE HUR-20-1393	47 - 48
PROFILE DETAIL UNDER HUR-250-0492	21	STRUCTURE HUR-20-1519 L/R	49 - 51
GUARDRAIL DETAILS	22 - 28	STRUCTURE HUR-18-1523	52 - 53
		STRUCTURE HUR-20-1619 L	54 - 55
		PLAN INSERT SHEET GR-1.1	56 - 58
		PLAN INSERT SHEET GR-2.1	59 - 60
		PLAN INSERT SHEET GR-3.1	61
		PLAN INSERT SHEET GR-3.2	62
		PLAN INSERT SHEET GR-4.2	63 - 64
		PLAN INSERT SHEET GR-5.2	65

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



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

ENGINEERS SEAL	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS			
 SIGNED:  DATE: 2019.0916	AS-1-15	7/17/15	MT-95.30	7/19/19	MT-101.90	7/21/17	800.2019	1/17/20
	AS-2-15	1/18/19	MT-95.45	1/17/20	MT-102.20	4/19/19	807	4/17/20
			MT-95.50	7/21/17	MT-102.30	10/16/15	832	10/18/19
	BP-2.1	7/17/15	MT-96.11	1/17/21	MT-104.10	10/16/15	843	10/19/18
	BP-2.2	7/18/08	MT-96.20	7/15/16	MT-105.10	1/17/20	850	4/17/20
	BP-8.2	1/18/19	MT-96.26	1/18/19				
	BP-3.1	1/17/20	MT-98.10	1/17/20	TC-42.10	10/18/13		
	BP-3.2	1/18/19	MT-98.11	1/17/20	TC-42.20	10/18/13		
			MT-98.20	4/19/19	TC-61.30	7/19/19		
	DM-4.3	1/15/16	MT-98.22	1/17/20	TC-64.10	1/17/20		
	DM-4.4	1/15/16	MT-98.28	1/17/20	TC-65.10	1/17/14		
			MT-98.29	1/17/20	TC-65.11	7/21/17		
			MT-99.20	4/19/19	TC-72.20	7/20/18		
			MT-99.30	1/17/20				
			MT-99.50	1/17/20				
			MT-101.60	1/17/20				

HUR - US 20-10.76  
200320 PID - 77529  
Dist 3 6/4/2020

Contract Proposal Available @  
www.contracts.dot.state.oh.us/home

I:\ProjectData\77529\Design\Roadway\Sheets\77529\_1\T001.dgn

FEDERAL PROJECT NO. E040756  
PID NO. 77529  
CONSTRUCTION PROJECT NO. 1  
RAILROAD INVOLVEMENT WHEELING & LAKE ERIE  
HUR-20-10.76  
1/65





SHEET NUM.									PART.			ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
8	9	10	11	18	19	21	22	31	01/NHS/PV	02/NHS/BR	(X)		EXT	TOTAL		SHEET		
								134		134		202	22901	134	SY	<b>STRUCTURE REPAIR (HUR-20-1076 R)</b>	29	
								83		83		202	23000	83	SY	APPROACH SLAB REMOVED, AS PER PLAN		
								222		222		202	23500	222	SY	PAVEMENT REMOVED		
								321		321		202	98200	321	FT	WEARING COURSE REMOVED		
								37		37		203	10000	37	CY	REMOVAL MISC.: DECK OVERHANG	30	
																EXCAVATION		
								222		222		204	10000	222	SY	SUBGRADE COMPACTION		
								37		37		304	20000	37	CY	AGGREGATE BASE		
								335		335		509	10001	335	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30	
								100		100		509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL		
								321		321		511	81100	321	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30	
								212		212		512	10100	212	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
								765		765		512	73500	765	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
								164		164		512	74000	164	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		
								270		270	SPECIAL	51900100	270	SF	COMPOSITE FIBER WRAP SYSTEM	29		
								55		55		519	10000	55	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE		
								100		100		519	11100	100	SF	PATCHING CONCRETE STRUCTURE		
								222		222		526	25001	222	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	29	
																<b>STRUCTURE REPAIR (HUR-20-1097 L)</b>		
								183		183		202	22901	183	SY	APPROACH SLAB REMOVED, AS PER PLAN	29	
								122		122		202	32600	122	FT	GUTTER REMOVED		
								293		293		202	98200	293	FT	REMOVAL MISC.: DECK OVERHANG	30	
								31		31		203	10000	31	CY	EXCAVATION		
								183		183		204	10000	183	SY	SUBGRADE COMPACTION		
								31		31		304	20000	31	CY	AGGREGATE BASE		
								306		306		509	10001	306	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30	
								100		100		509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL		
																<b>STRUCTURE REPAIR (HUR-20-1097 L)</b>		
								293		293		511	81100	293	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30	
								229		229		512	10100	229	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
								828		828		512	73500	828	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
								186		186		512	74000	186	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		
								154		154		519	10000	154	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE		
								79		79		519	11100	79	SF	PATCHING CONCRETE STRUCTURE		
								183		183		526	25001	183	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	29	
								54		54		601	27000	54	CY	DUMPED ROCK FILL, TYPE C		
																<b>STRUCTURE REPAIR (HUR-20-1097 R)</b>		
								183		183		202	22901	183	SY	APPROACH SLAB REMOVED, AS PER PLAN	29	
								122		122		202	32600	122	FT	GUTTER REMOVED		
								428		428		202	98200	428	FT	REMOVAL MISC.: DECK OVERHANG	30	
								31		31		203	10000	31	CY	EXCAVATION		
								183		183		204	10000	183	SY	SUBGRADE COMPACTION		
								31		31		304	20000	31	CY	AGGREGATE BASE		
								446		446		509	10001	446	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30	
								100		100		509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL		
								428		428		511	81100	428	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30	
								249		249		512	10100	249	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
								828		828		512	73500	828	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
								186		186		512	74000	186	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		
								119		119		519	10000	119	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE		
								69		69		519	11100	69	SF	PATCHING CONCRETE STRUCTURE		
								183		183		526	25001	183	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	29	
								54		54		601	27000	54	CY	DUMPED ROCK FILL, TYPE C		

**GENERAL SUMMARY**

**HUR - 20 - 10.76**

CALCULATED  
MAE  
CHECKED  
CAD

I:\ProjectData\7529\Design\Roadway\Sheets\7529\_G000.dgn



SHEET NUM.									PART.			ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CHECKED	M.A.E.	CAD
8	9	10	11	18	19	21	22	31	01/NHS/PV	02/NHS/BR		(X)	ITEM	EXT	TOTAL						
																	<b>STRUCTURE REPAIR (HUR-20-1123 L)</b>				
								183		183			202	22901	183	SY	APPROACH SLAB REMOVED, AS PER PLAN	29			
								183		183			202	23500	183	SY	WEARING COURSE REMOVED				
								80		80			202	32600	80	FT	GUTTER REMOVED				
								357		357			202	98200	357	FT	REMOVAL MISC.: DECK OVERHANG	30			
								31		31			203	10000	31	CY	EXCAVATION				
								183		183			204	10000	183	SY	SUBGRADE COMPACTION				
								31		31			304	20000	31	CY	AGGREGATE BASE				
								372		372			509	10001	372	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30			
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL				
								357		357			511	81100	357	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30			
								309		309			512	10100	309	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				
								1,045		1,045			512	73500	1,045	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				
								256		256			512	74000	256	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES				
								240		240		SPECIAL	51900100	240	SF	COMPOSITE FIBER WRAP SYSTEM	29				
								159		159			519	10000	159	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE				
								262		262			519	11100	262	SF	PATCHING CONCRETE STRUCTURE				
								183		183			526	25001	183	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	29			
								36		36			601	27000	36	CY	DUMPED ROCK FILL, TYPE C				
																	<b>STRUCTURE REPAIR (HUR-20-1123 R)</b>				
								183		183			202	22901	183	SY	APPROACH SLAB REMOVED, AS PER PLAN	29			
								183		183			202	23500	183	SY	WEARING COURSE REMOVED				
								80		80			202	32600	80	FT	GUTTER REMOVED				
								513		513			202	98200	513	FT	REMOVAL MISC.: DECK OVERHANG	30			
								31		31			203	10000	31	CY	EXCAVATION				
								183		183			204	10000	183	SY	SUBGRADE COMPACTION				
								31		31			304	20000	31	CY	AGGREGATE BASE				
								535		535			509	10001	535	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30			
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL				
								513		513			511	81100	513	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30			
								333		333			512	10100	333	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				
								1,045		1,045			512	73500	1,045	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				
								257		257			512	74000	257	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES				
								240		240		SPECIAL	51900100	240	SF	COMPOSITE FIBER WRAP SYSTEM	29				
								235		235			519	10000	235	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE				
								96		96			519	11100	96	SF	PATCHING CONCRETE STRUCTURE				
								183		183			526	25001	183	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	29			
								36		36			601	27000	36	CY	DUMPED ROCK FILL, TYPE C				
								704		704			202	98200	704	FT	REMOVAL MISC.: DECK OVERHANG	30			
								734		734			509	10001	734	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30			
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL				
								704		704			511	81100	704	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30			
								104		104			512	10100	104	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				
								744		744		SPECIAL	51900100	744	SF	COMPOSITE FIBER WRAP SYSTEM	29				
								402		402			601	20000	402	SY	CRUSHED AGGREGATE SLOPE PROTECTION				
								70		70			202	98200	70	FT	REMOVAL MISC.: JOINT SEAL	29			
								396		396			202	98200	396	FT	REMOVAL MISC.: DECK OVERHANG	30			
								151		151			254	01000	151	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"				
								5		5			442	20000	5	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)				
								413		413			509	10001	413	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30			
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL				
								396		396			511	81100	396	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30			
								59		59			512	10100	59	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				
								765		765			512	73500	765	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				
								70		70			516	31000	70	FT	JOINT SEALER				

I:\Project Data\7524\Design\Roadway\Sheets\7529\_0600.dgn

**GENERAL SUMMARY**

**HUR - 20 - 10 . 76**

SHEET NUM.									PART.			ALT (X)	ITEM ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	9	10	11	18	19	21	22	31	01/NHS/PV	02/NHS/BR								
								516		516			SPECIAL	51900100	516	SF	COMPOSITE FIBER WRAP SYSTEM	29
								74		74			519	11100	74	SF	PATCHING CONCRETE STRUCTURE	
								23		23			SPECIAL	51912510	23	SY	PATCHING CONCRETE BRIDGE DECK (TYPE B)	29
																	<b>STRUCTURE REPAIR (HUR-250-492)</b>	
								456		456			202	98200	456	FT	REMOVAL MISC.: DECK OVERHANG	30
								476		476			509	10001	476	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	
								456		456			511	81100	456	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30
								68		68			512	10100	68	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								480		480			SPECIAL	51900100	480	SF	COMPOSITE FIBER WRAP SYSTEM	29
																	<b>STRUCTURE REPAIR (HUR-20-1393)</b>	
								76		76			202	32600	76	FT	GUTTER REMOVED	
								66		66			202	98200	66	FT	REMOVAL MISC.: JOINT SEALER	29
								436		436			202	98200	436	FT	REMOVAL MISC.: DECK OVERHANG	30
								138		138			254	01000	138	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
								5		5			442	20000	5	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	
								455		455			509	10001	455	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	
								436		436			511	81100	436	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30
								65		65			512	10100	65	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								764		764			512	73500	764	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
								66		66			516	31000	66	FT	JOINT SEALER	
								480		480			SPECIAL	51900100	480	SF	COMPOSITE FIBER WRAP SYSTEM	29
								59		59			519	11100	59	SF	PATCHING CONCRETE STRUCTURE	
								21		21			SPECIAL	51912510	21	SY	PATCHING CONCRETE BRIDGE DECK (TYPE B)	29
								34		34			601	27000	34	CY	DUMPED ROCK FILL, TYPE C	
																	<b>STRUCTURE REPAIR (HUR-20-1519 L)</b>	
								84		84			202	98200	84	FT	REMOVAL MISC.: JOINT SEALER	29
								1,167		1,167			512	10100	1,167	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								703		703			512	73500	703	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
								1,167		1,167			512	74000	1,167	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
								84		84			516	31000	84	FT	JOINT SEALER	
																	<b>STRUCTURE REPAIR (HUR-20-1519 L)</b>	
								92		92			519	10000	92	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
								99		99			519	11100	99	SF	PATCHING CONCRETE STRUCTURE	
								27		27			SPECIAL	51912510	27	SY	PATCHING CONCRETE BRIDGE DECK (TYPE B)	29
																	<b>STRUCTURE REPAIR (HUR-20-1519 R)</b>	
								106		106			202	98200	106	FT	REMOVAL MISC.: JOINT SEALER	29
								1,167		1,167			512	10100	1,167	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								879		879			512	73500	879	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
								1,167		1,167			512	74000	1,167	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
								106		106			516	31000	106	FT	JOINT SEALER	
								86		86			519	10000	86	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
								187		187			519	11100	187	SF	PATCHING CONCRETE STRUCTURE	
								33		33			SPECIAL	51912510	33	SY	PATCHING CONCRETE BRIDGE DECK (TYPE B)	29
																	<b>STRUCTURE REPAIR (HUR-18-1523)</b>	
								200		200			202	32600	200	FT	GUTTER REMOVED	
								406		406			202	98200	406	FT	REMOVAL MISC.: DECK OVERHANG	30
								423		423			509	10001	423	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30
								100		100			509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	
								406		406			511	81100	406	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30
								60		60			512	10100	60	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								588		588			SPECIAL	51900100	588	SF	COMPOSITE FIBER WRAP SYSTEM	29
								11		11			519	11100	11	SF	PATCHING CONCRETE STRUCTURE	
								89		89			601	27000	89	CY	DUMPED ROCK FILL, TYPE C	

I:\ProjectData\7529\Design\Roadway\Sheets\7529\_G000.dgn

GENERAL SUMMARY

HUR - 20 - 10 - 76

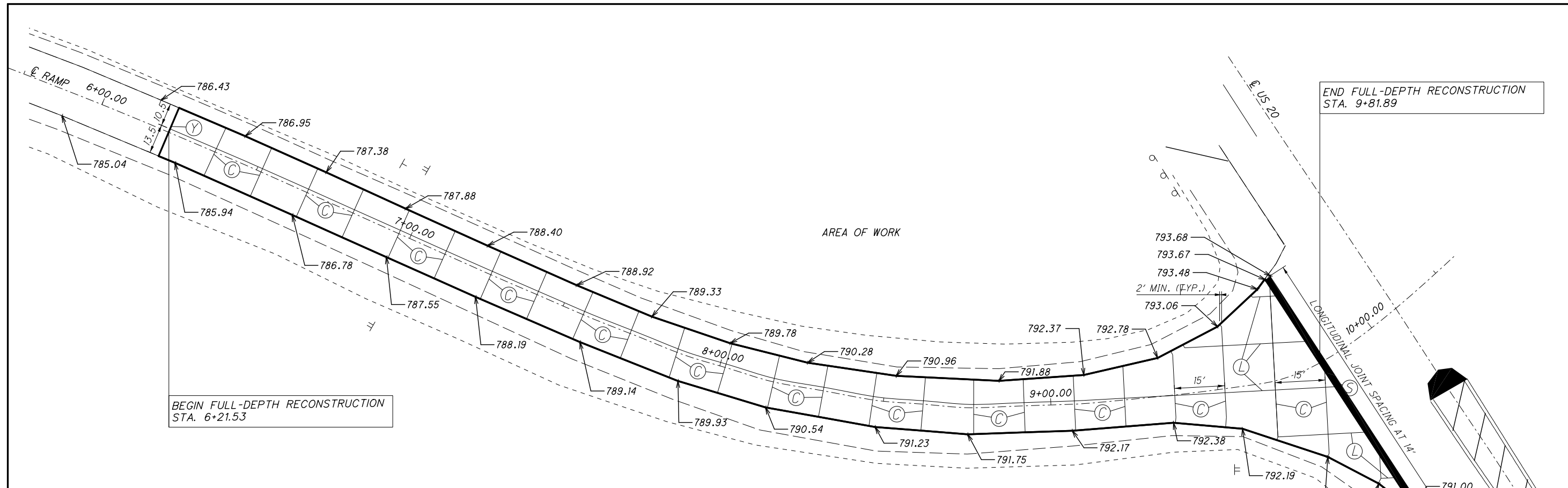
SHEET NUM.										PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED MAE	CHECKED CAD
8	9	10	11	18	19	21	22	31	01/NHS/PV	02/NHS/BR	(X)		EXT	TOTAL						
<b>STRUCTURE REPAIR (HUR-20-1619 LEFT)</b>																				
								220		220		202	32600	220	FT	GUTTER REMOVED				
								114		114		202	98200	114	FT	REMOVAL MISC.: JOINT SEALER	29			
								290		290		202	98200	290	FT	REMOVAL MISC.: DECK OVERHANG	30			
								302		302		509	10001	302	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	30			
								100		100		509	20000	100	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL				
								290		290		511	81100	290	FT	CONCRETE, MISC.: CLASS QC SCC CONCRETE, BRIDGE DECK, DECK OVERHANG	30			
								355		355		512	10100	355	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				
								1,270		1,270		512	73500	1,270	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				
								312		312		512	74000	312	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES				
								114		114		516	31000	114	FT	JOINT SEALER				
								384		384		SPECIAL	51900100	384	SF	COMPOSITE FIBER WRAP SYSTEM	29			
								73		73		519	10000	73	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE				
								80		80		519	11100	80	SF	PATCHING CONCRETE STRUCTURE				
								38		38		SPECIAL	51912510	38	SY	PATCHING CONCRETE BRIDGE DECK (TYPE B)	29			
								98		98		601	27000	98	CY	DUMPED ROCK FILL, TYPE C				
<b>INCIDENTALS</b>																				
								LS	LS			614	11000	LS		MAINTAINING TRAFFIC				
								7	2			619	16010	9	MNTH	FIELD OFFICE, TYPE B				
								LS	LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING				
								LS	LS			624	10000	LS		MOBILIZATION				

**GENERAL SUMMARY**

**HUR - 20 - 10.76**

17a  
65

I:\ProjectData\77529\Design\Roadway\Sheets\77529\_G000.dgn



PLAN VIEW  
RAMP FROM US 20 EB TO US 250 EB

LEFT EDGE OF PAVEMENT ELEVATIONS	
STATION	ELEVATION
6+15.65	786.43
6+42.35	786.95
6+68.59	787.38
6+94.56	787.88
7+21.30	788.40
7+51.18	788.92
7+75.59	789.33
8+00.92	789.78
8+25.93	790.28
8+53.32	790.96
8+84.94	791.88
9+10.46	792.37
9+32.97	792.78
9+52.84	793.06
9+67.75	793.48
9+81.89	793.67
9+83.82	793.68

RIGHT EDGE OF PAVEMENT ELEVATIONS	
STATION	ELEVATION
5+90.69	785.04
6+27.33	785.94
6+65.69	786.78
6+96.73	787.55
7+25.72	788.19
7+59.37	789.14
7+89.57	789.93
8+15.73	790.54
8+48.4	791.23
8+76.01	791.75
9+5.89	792.17
9+36.03	792.38
9+55.4	792.19
9+75.81	791.62
9+81.86	791.23
9+81.94	791.02
9+83.82	791.00

- LEGEND**
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
  - (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
  - (C) CONTRACTION JOINT AS PER BP 2.2
  - (Y) BUTT JOINT BETWEEN EXISTING PAVEMENT AND PROPOSED PAVEMENT, A DOWELLED TYPE Y JOINT AS PER BP- 2.5 SHALL BE PER SPECIFICATION 255 AND BP-2.5 EXCEPT THE REQUIREMENT THAT THE DRILLING DEVICE SHALL BE CAPABLE OF DRILLING THREE HOLES AT TIME SHALL BE WAIVED

NOTE: WORK IS TO BEGIN 360' BACK FROM STOP BAR, AND CONTINUE TO THE STOP BAR, AS SHOWN IN THE PLAN VIEW.

STATIONING SHOWN IS ALONG THE PHYSICAL CENTERLINE OF RAMP. THE END OF THE PHYSICAL GORE BETWEEN THE RAMP AND US 20 IS LOCATED AT 100+00, 16.04' R.

RAMP	LOG POINT TO LOG POINT	STATION	LENGTH		AVERAGE WIDTH INSIDE SHOULDER	AVERAGE WIDTH LINES	AVERAGE WIDTH OUTSIDE SHOULDER	TYPICAL NUMBER	PAVEMENT AREA INSIDE SHOULDER	PAVEMENT AREA LINES	PAVEMENT AREA OUTSIDE SHOULDER	254		202		203		204		304		452		AGGREGATE SHOULDER WIDTH		AGGREGATE SHOULDER AREA		408		209		617		617	
			MILES	FEET								PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (1.5")	PAVEMENT REMOVED	EXCAVATION	SUBGRADE COMPACTION	AGGREGATE BASE (10.75")	NON-REINFORCED CONCRETE PAVEMENT, CLASS OCl (10")	LEFT	RIGHT	AGGREGATE SHOULDER AREA	PRIME COAT (0.4 GAL/SY)	LINEAR GRADING	SHOULDER PREPARATION	COMPACTED AGGREGATE											
			FT									SY	SY	CY	SY	CY	SY	FT	FT	SY	GAL	MILE	SY	CY											
			FT									SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY								
US 20 TO US 250	0+93	6+21	0.10	528	3	15	6	3	176	880	352	1408											2	2	235	94	0.20	235	14						
US 20 TO US 250	6+21	9+81	0.07	360	3	15	6	5	120	600	240		960	160	960	287	960	2	2	160	64	0.14	160	9											
TOTALS CARRIED TO GENERAL SUMMARY												1408	960	160	960	287	960						158	0.34	395	23									

I:\ProjectData\77529\Design\Roadway\Sheets\77529\_GP001.dgn