

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
D07-SIGN-FY20
DISTRICT 7

PROJECT DESCRIPTION

DISTRICT-WIDE SIGN REPLACEMENT CONTRACT FOR FY20. REMOVAL AND REPLACEMENT OF DEFICIENT GUIDE SIGNS AND SUPPORTS AND PLACE "WRONG WAY" SIGNS, WITHIN DISTRICT 7.

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

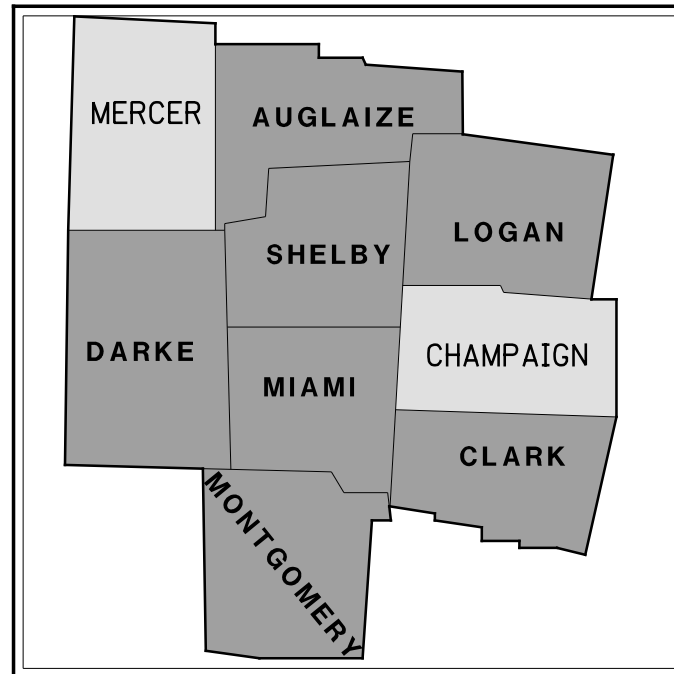
2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS 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 11-31, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED *[Signature]* PE, PS.
DATE 12-31-19 DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: 40°17'49" N LONGITUDE: 84°09'40" W



DESIGN DESIGNATION

BENCHWOOD RD	MAJOR COLLECTOR
3rd ST	MINOR ARTERIAL
COUNTY LINE RD	MAJOR COLLECTOR
GETTYSBURG AVE	MINOR ARTERIAL
HARSHMAN RD	PRINCIPAL ARTERIAL
JAMES H McGEE BLVD	MINOR ARTERIAL
KEOWEE ST	MINOR ARTERIAL
STANLEY AVE	MINOR ARTERIAL
WEBSTER ST	MAJOR COLLECTOR
CR 315	MINOR ARTERIAL
SR 369	MAJOR COLLECTOR
SR 4	FREEWAY/EXPRESSWAY/PRINCIPAL ARTERIAL
SR 41	MINOR ARTERIAL/MAJOR COLLECTOR
ST 444	PRINCIPAL ARTERIAL
SR 49	PRINCIPAL ARTERIAL
SR 54	MAJOR COLLECTOR
SR 55	MINOR ARTERIAL
US 35	FREEWAY/EXPRESSWAY/PRINCIPAL ARTERIAL
US 40	PRINCIPAL ARTERIAL/MINOR ARTERIAL
US 68	FREEWAY/EXPRESSWAY
I-70	INTERSTATE
I-75	INTERSTATE
I-675	INTERSTATE

DESIGN EXCEPTIONS

NONE



PLANS PREPARED BY:



CRAWFORD, MURPHY & TILLY, INC.
84 REMICK BOULEVARD
SPRINGBORO, OHIO 45066
PH (937)701-2193
www.cmtengr.com

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAPS	2 -4
GENERAL NOTES	5 -6
MAINTENANCE OF TRAFFIC	7 -60,60A
GENERAL SUMMARY	61
GENERAL SUBSUMMARY	62 -67
SIGNING ESTIMATED QUANTITIES	68 -76
ELEVATION PLANS	77 -86 ,86A
WRONG WAY TRAFFIC CONTROL	87 -152

ENGINEERS SEAL:



SIGNED: *[Signature]*
DATE: 12/16/2019

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MGS-1.1	1/19/18	MT-98.30	7/19/19	TC-41.20	10/18/13	800-2019 1/17/20	
MGS-2.1	1/19/18	MT-99.60	7/15/16	TC-41.30	10/18/13	808 1/18/19	
MGS-4.2	7/19/13	MT-101.60	1/20/17	TC-41.40	10/18/13	821 4/20/12	
MGS-5.3	7/15/16	MT-102.20	4/19/19	TC-41.41	7/19/19	832 10/19/18	
		MT-105.10	7/19/13	TC-41.50	10/18/13	921 4/20/12	
MT-95.30	7/19/19			TC-42.10	10/18/13		
MT-95.31	7/19/19	TC-7.65	7/20/18	TC-42.20	10/18/13		
MT-95.32	4/19/19	TC-9.10	1/19/18	TC-51.11	1/15/16		
MT-95.45	4/19/19	TC-9.30	1/19/18	TC-52.10	10/18/13		
MT-95.50	7/21/17	TC-12.30	1/19/18	TC-52.20	7/20/18		
MT-95.61	4/19/19	TC-15.115	7/20/18	TC-61.30	7/19/19		
MT-97.10	4/19/19	TC-21.10	7/19/19	TC-73.20	7/21/17		
MT-98.20	4/19/19	TC-21.20	7/20/18				
MT-98.22	1/20/17	TC-22.10	10/18/13				
MT-98.28	1/20/17	TC-22.20	1/17/14				
MT-98.29	7/19/19	TC-41.10	7/19/13				

FEDERAL PROJECT NO. E180436

PID NO. 108054

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

D07-SIGN-FY20

L:\VODOT\18068307-00_VAR-D07SignUpgrades\108054\Roadway\Sheets\108054GT001.dgn 2/21/2020 5:25:08 AM lwilson

WORK ZONE SPEED ZONES (WZSZS) (CONTINUED)
AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME. C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN ODOTC PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION.

WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED SPEED LIMIT	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY 3 SIGN MNTH
[ASSUMING 1 DSL SIGN ASSEMBLY(IES) FOR 3 MONTH(S)]

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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 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 PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO 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.

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

EXTRA ADVANCE WARNING SIGNS

AN EXTRA ADVANCE WARNING SIGN GROUP CONSISTS OF TWO W20-1 (ROAD WORK AHEAD) SIGNS, TWO W20-5 (RIGHT /LEFT LANE CLOSED AHEAD) SIGNS WITH W16-3A DISTANCE PLATES, AND TWO W3-H7 (WATCH FOR STOPPED TRAFFIC) SIGNS AND REQUIRED WARNING LIGHTS.

WHERE SCD MT-95.50 IS SPECIFIED, THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN AND REMOVE EXTRA ADVANCE WARNING SIGN GROUPS AS SHOWN ON TRAFFIC SCD MT-95.50 AT 1 MILE AND 2 MILES IN ADVANCE OF THE LANE TAPERS WITH THE APPROPRIATE W16-3A DISTANCE PLATES.

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING EXTRA ADVANCE WARNING SIGN GROUPS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC.

PERMITTED LANE CLOSURE TIMES

LANES CLOSURES SHALL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S PERMITTED LANE CLOSURE WEB SITE WHICH IS LOCATED AT:

[HTTP://PLCM.DOT.STATE.OH.US/](http://plcm.dot.state.oh.us/)

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, 14 CALENDAR DAYS PRIOR TO THE BID LETTING DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO WORK WITHIN ACTIVE TRAVEL LANES OR WHICH WILL SLOW TRAFFIC IS PERMITTED AT ANY OTHER TIMES.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS SHOWN IN THE LANE VALUE CONTRACT TABLE FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

LANE VALUE CONTRACT TABLE

DESCRIPTION OF ROUTE	DISINCENTIVE
IR-70, PRE/MOT CO. LINE (17.67) TO SR 49 NORTH (24.20)	\$250 / MINUTE
IR-70, AIRPORT ACCESS RD (32.07) TO 0.7MI EAST OF AIRPORT ACCESS RD (32.77)(EASTBOUND)	\$380 / MINUTE
IR-70, AIRPORT ACCESS RD (32.07) TO IR 75 INTERCHANGE (33.30) (WESTBOUND)	\$250 / MINUTE
IR-70, AIRPORT ACCESS RD (32.78) TO IR 75 INTERCHANGE (33.24) (EASTBOUND)	\$250 / MINUTE
IR-70, WITHIN IR 75 INTERCHANGE (33.25 TO 34.52) (EASTBOUND)	\$380 / MINUTE
IR-70, WITHIN IR 75 INTERCHANGE (33.31 TO 34.38) (WESTBOUND)	\$380 / MINUTE
IR-70, IR 75 INTERCHANGE (34.39) TO SR 202 (36.66) (WESTBOUND)	\$230 / MINUTE
IR-70, IR 75 INTERCHANGE (34.53) TO SR 202 (36.66) (EASTBOUND)	\$230 / MINUTE
IR-70, IR 675 (44.31) TO SR 4 NORTH (46.74)	\$200 / MINUTE
IR-70, SR 4 NORTH (46.74) TO REBERT PK (51.61)	\$205 / MINUTE
IR-75, SR 48 (54.21) TO IR 70 (61.37)	\$345 / MINUTE
IR-75, IR 70 (61.37) TO NORTHWOODS BLVD (63.84)	\$260 / MINUTE
IR-75, CR-25A (4.401) TO SR-55 (7.845)	\$210 / MINUTE
IR-75, SR 55 (73.185) TO SR41(75.045)	\$200 / MINUTE
IR-75, SR 41(75.045) TO END 6 LANES (76.080)	\$170 / MINUTE
SR-4, IR 75 (13.41) TO MOT/GRE CO LINE (22.37)	\$120 / MINUTE
SR-4, IR 70 (5.56) TO US 40 (11.30)	\$90 / MINUTE
US-35, SR 49/THIRD ST (30.22) TO 0.28 MILES W OF LISCUM DR	\$80 / MINUTE
US-35, 0.28 MILES W OF LISCUM DR TO JAMES H MCGEE BLVD	\$90 / MINUTE
US-35, JAMES H MCGEE BLVD TO BROADWAY ST	\$90 / MINUTE
US-35, BROADWAY ST TO EDWIN C MOSES BLVD	\$270 / MINUTE
US-35, EDWIN C MOSES BLVD TO LIVINGSTON AVE	\$195 / MINUTE
IR-675, GRE/CLA COUNTY LINE (25.11) TO IR 70 (26.60)	\$195 / MINUTE
US-68, IR 70 (5.34) TO CLA/CHP COUNTY LINE (15.17)	\$100 / MINUTE

LANE CLOSURE TAPER RATES

WHERE ONE OR MORE LANES ARE SCHEDULED FOR CLOSURE TO PERFORM THE WORK, THE TAPER RATE FOR THE LEADING EDGE LANE CLOSURE SHALL BE AT THE RATE DEFINED FOR THE UNADJUSTED LEGAL SPEED OF THE ROADWAY.

MOT SIGNAGE

CONTRACTOR SHALL PLACE SIGNAGE FOR LANE/ROAD/RAMP CLOSURES AS INDICATED ON THE STANDARD DRAWINGS. SIGNS SHOWN ON THE DETOUR PLANS AND PHASING PLANS SHALL SUPPLEMENT THE SIGNAGE REQUIRED BY THE STANDARD DRAWINGS.

ROAD AND RAMP CLOSURES

ROAD AND RAMP CLOSURES, WHERE SPECIFIED, SHALL ONLY BE IN PLACE DURING NIGHT TIME HOURS (10:00 PM TO 6:00 AM). THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE FOR EACH MINUTE THE ROAD/RAMP CLOSURE RESTRICTIONS ARE VIOLATED PER THE LANE VALUE CONTRACT TABLE.

L:\ODOT\18068307-00_VAR-D07SignUpgrades\108054\Roadway\Sheets\108054\MN001.dgn 2/14/2020 6:52:07 AM Iwilson

CALCULATED
LDW
CHECKED
JWB

GENERAL NOTES

D07 - SIGN - FY 20

L:\ODOT\18068307-00-VAR-D07SignUpgrades\108054\Roadway\Sheets\108054\MN003.dgn 2/14/2020 6:52:10 AM lwilson

ROUTE	SIGN ID	LOG POINT	DETOUR PLAN	PHASING PLAN	STANDARD DRAWINGS	SEE SHEET NO.	SIGN DESCRIPTION
I-75	191634.1	11.378			MT-98.11		Exit 51
I-75	191522.0	13.693		X	MT-95.30	48	South/I75/SR4
I-75	191098.0	13.693			MT-98.29		Third St/Salem Ave/ 1 MILE/ 2 Down Arrows
I-75	191305.0	13.391			MT-95.30 MT-95.50		South/I75/South/SR4/ Cincinnati Left 3 Lanes
I-75	279492.0	14.913	X		MT-98.29	26	Stanley Avenue
I-75	279492.0	14.913					Exit 56
I-75	279454.0	17.908			MT-95.30		I-70 Indianapolis Columbus 2 Miles
I-75	279508.0	17.908			MT-95.50		Exit 61
I-75	279456.0	17.908			MT-95.30		Benchwood Rd Wyse Rd 1/2 Mile
I-75	279455.0	17.908			MT-95.50		Exit 59
I-75	280488.0	18.693			MT-95.50	60A	I-75 North / Toledo Left 3 Lanes
I-75	280593.0	18.693					Airport Symbol
I-75	280601.0	18.693			MT-95.30		I-70 West / Airport
I-75	280529.0	18.693			MT-95.50		Exit 61
I-75	280530.0	18.693			MT-98.20		I-70/Indianapolis/Columbus /1 mile+Exit Only/arrows
I-75	280047.0	19.103		X	MT-95.30 MT-95.50	52	Wyse Rd / Benchwood Rd / Exit Only/arrows
I-75	279975.0	19.103			MT-98.20		Exit 59
I-75	280078.0	19.103		X	MT-95.30 MT-95.50	51	I-75 / Indianapolis
I-75	280136.0	19.103		X	MT-95.30 MT-95.50 MT-98.20	50	Right Lane Ends/1/4Mile
I-75	280109.0	19.468		X	MT-95.30	53	I70 / Indianapolis / Columbus / 1/2 Mile / Exit Only
I-75	280022.0	19.468			MT-95.50		Exit 61
I-75	280024.0	19.468			MT-95.30	60A	I-75 North / Toledo / Left 3 lanes
I-75	280077.0	19.605		X	MT-95.30	56	Wyse Rd/Benchwood Rd/1/2 Mile/(arrow)Exit Only
I-75	279974.0	19.605			MT-95.50		Exit 59
I-75	280011.0	19.605		X	MT-95.30 MT-95.50	58	I-75 South / Dayton
I-75	280110.1	19.750					Airport Symbol
I-75	280110.0	19.750		X	MT-95.50	60A	I70 East/Columbus/Indianapolis/1/4 MILE
I-75	279922.0	19.750			MT-98.29		Exit 61
I-75	280112.0	19.750					I70/Indianapolis/Columbus/1/4 Mile/Exit Only(3 arws)
I-75	279988.0	19.750			MT-95.30 MT-95.50		Interstate 75 North / Toledo / Left 3 Lanes
I-75	279987.1	19.927					Airport Symbol
I-75	279987.0	19.927					I70 West / Indianapolis / Exit Only (2 arrows to 1 arrow)
I-75	279897.0	19.927			MT-95.30	60	Exit 61
I-75	280030.0	19.927		X	MT-95.50		Interstate 70 East/Columbus/Exit Only(2 to 1 arrow)
I-75	279924.0	19.927			MT-98.20		Exit 61
I-75	280030.1	19.927					I-70 East/Indianapolis/Columbus/Exit Only (1 arrow)
I-75	279924.0	19.927					Exit 61
I-75	279946.0	20.852					I70 East / Columbus / Exit Only (with arrow)
I-75	280049.0	20.852					Exit 61
I-75	280135.0	20.852		X	MT-99.50	27	I-75 South / Dayton / (3 Arrows)
I-75	280010.0	20.852					Exit 61 (west)
I-75	279947.0	20.852					Airport Symbol
I-75	279947.0	20.852					I-70 West / Indianapolis / Exit Only (with arrows)
I-75	280048.0	21.233			MT-95.30 MT-95.50		I-75 South/Dayton/(arrows to Left 3 Lanes)
I-75	280009.0	21.233					I-70 / Indianapolis 1/2 mile/ exit only arrow
I-75	280009.1	21.233			MT-95.30		Exit 61
I-75	280009.2	21.233			MT-95.50		Airport Symbol
I-75	280008.0	21.233					I-70 East/Columbus/1/2 Mile (with arrow) and exit
I75NB-170	192180.0	0.281					IR-70 West/ Indianapolis (with 2 arrows)
I75NB-170	192277.0	0.281		X	MT-95.30	28	IR-70 East/ Columbus (with 2 arrows)
I75NB-170	281157.0	0.281			MT-98.29		Airport Symbol
I75SB-170WB	191358.0	0.059			MT-95.30		I-70 West/Indianapolis
I75SB-170WB	191618.0	0.059		X	MT-98.29	29	I-70 East / Columbus
I75SB-170WB	281241.0	0.059					Airport Symbol

ROUTE	SIGN ID	LOG POINT	DETOUR PLAN	PHASING PLAN	STANDARD DRAWINGS	SEE SHEET NO.	SIGN DESCRIPTION
I70WB-175	281303.0	0.372	X		MT-98.29	31	I-75 North/Toledo (with arrow)
I70WB-175NB	281401.0	0.372	X		MT-95.30 MT-98.29 MT-102.20	30	I-75 South/Dayton (with 2 arrows)
SR-4	191517.0	17.759	X		MT-95.30 MT-98.20 MT-99.50	18	South I75 SR4/ TO SR48/2 Down Arrows
SR-49	280283.0	0.189			MT-95.30		35 West/ Eaton/ Next Right
SR-49	280255.0	0.189					35 East/ Dayton
SR-49	191673.0	5.234					49 North Phillipsburg/Greenville/ WAS NORTH 49
SR-49	191694.0	5.234					Salem Ave down arrow. WAS TO 70 LEFT ARROW
SR-50	191694.1	5.234	X			25	Shiloh Springs Rd/ NEXT SIGNAL
SR-49	191551.0	5.234					Left Turn Arrow/Only
SR-49	191190.0	5.234					Left Turn Arrow/Only
SR-49	191190.0	5.234					Left Only/Left Only/ Right Only
US-35	191524.0	10.530			MT-95.30		35 West/Eaton/Keep Left
US-35	191109.0	10.530			MT-95.30		49 North/Greenville
US-35	191118.0	14.862		X	MT-95.30 MT-95.50	34	75 South/ Cincinnati/ Exit Only (with arrow)
US-35	191527.0	14.862			MT-98.10 MT-98.20		75 North/Toledo/Exit Only (with arrow)
US-35	191667.0	14.862		X	MT-95.30 MT-95.50 MT-98.20	36	35 East/ Xenia
US-35	192099.0	15.130		X	MT-95.30 MT-95.50	20 37	IR-75 South/ Cincinnati
US-35	191845.0	15.130		X	MT-95.30 MT-95.50 MT-98.11 MT-102.20	20 38	IR-75 North/ SR 4 North
US-35	191530.0	15.706		X	MT-95.30 MT-95.50	39	I75 South/Cincinnati/Exit Only (with arrow)
US-35	191122.0	15.706			MT-98.10 MT-98.20		North 75 North 4/Toledo/Exit Only (with arrow)
US-35	181937.0	15.706		X	MT-95.30 MT-95.50 MT-98.20	40	US 35 West/Eaton (with 2 arrows)
US-35	191539.0	15.529	X		MT-95.30 MT-95.50 MT-98.29	22	75 South Cincinnati/ 40 MPH (with arrow)
US-35	191155.0	15.529	X		MT-95.30 MT-95.50 MT-98.29	23	75 North/Toledo/30 MPH (with arrow)
US-35	191543.0	15.915	X		MT-95.30	24	75 South/ Cincinnati/ Exit Only (with arrow)
US-35	191179.0	15.915			MT-95.50		North 75 North 4/Toledo/Exit Only (with arrow)
US-35	192105.0	15.915			MT-95.30 MT-95.50 MT-98.20		US 35 West/ Eaton (with 2 arrows)
W 3RD	191831.0	0.001			MT-95.32		US 35 East/Dayton (left arrow)
W 3RD	192086.0	0.001					US 35 West/Eaton
W 3RD	192259.0	0.001			MT-95.31		SR 49/North Greenville (right arrow)
I-70	191195.0	5.754					EXIT 24
I-70	191554.0	5.754			MT-95.45		EXIT 26
I-70	191857.0	5.754			MT-99.60		SR 49 South Clayton Trotwood 2 1/4 Miles
I-70	192111.0	5.754					To SR 49 North Phillipsburg Greenville

CALCULATED	LDW	CHECKED	JWB
MAINTENANCE OF TRAFFIC NOTES			
D07 - SIGN - FY 20			
10			
152			

SHEET NUM.						PART.								ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
62	63	64	65	66	67	01/IMS/OT	02/NHS/OT	03/STR/OT	04/SC2/OT	05/S2/OT	06/NHS/OT	07/NHS/OT	08/S2/OT						
TRAFFIC CONTROL																			
				199	183	293	89								620	11000	382	EACH	DELINEATOR, BRACKET MOUNTED
				947	41	429	522	37							621	00100	988	EACH	RPM
2	5					5			2						625	32000	7	EACH	GROUND ROD
			549	1,989	559	1,514	1,220	28	159	32			84		630	03100	3,097	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
		170				64				106					630	06400	170	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7
		180				35		42	33	38	32				630	06500	180	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9
		67					67								630	07000	67	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18
		315				41	80	42	80		37		35		630	07500	315	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22
		188								43	93	52			630	07600	188	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12
		207					207								630	08000	207	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30
				394	108	306	172	24							630	08601	502	EACH	SIGN POST REFLECTOR, AS PER PLAN
		50				8	14	4	4	10	6	2	2		630	09000	50	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION
	3					1			2						630	20600	3	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6
	1					1									630	20900	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 9
	1					1									630	21000	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 10
1						1									630	45500	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8
305	213	3				314	54		13	61	71		8		630	75000	521	EACH	SIGN ATTACHMENT ASSEMBLY
	3		1	43	17	56	4	2	1	1					630	79500	64	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
97	27	42	75	2,818	912	2,150	1,648	110	55	8					630	80100	3,971	SF	SIGN, FLAT SHEET
		5,640	450			1,453	1,802	358	386	624	815	524	128		630	80200	6,090	SF	SIGN, GROUND MOUNTED EXTRUSHEET
12,870	6,132					12,015	1,772		224	1,298	3,469		224		630	80224	19,002	SF	SIGN, OVERHEAD EXTRUSHEET
						8	3								630	82000	11	EACH	SIGN BACKING ASSEMBLY
		48				8	12	4	4	10	6	2	2		630	84500	48	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION
2	5					5			2						630	84510	7	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION
		17	28			4	16	1	17	4			3		630	84900	45	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
		83				17	19	7	8	14	12	4	2		630	85400	83	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL
			30				9	2	12	2			5		630	86002	30	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
		48				8	12	4	4	10	6	2	2		630	86102	48	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL
			3			3									630	86310	3	EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL
114	66					110	21		4	21	22		2		630	87400	180	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL
	1		1			1				1					630	87500	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL
															630	89702	7	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL
1	7					3			2				2		630	89802	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65
57	46					54	18		4	17	8		2		631	94490	103	EACH	REMOVAL, MISC.: REMOVAL OF SIGN SERVICE AND DISPOSAL
				500	25	250	250	25							644	00900	525	SF	ISLAND MARKING
				115	52	119	40	8							644	01360	167	EACH	WRONG WAY ARROW
				1,500	70	880	600	90							644	01500	1,570	FT	DOTTED LINE, 4"
MAINTENANCE OF TRAFFIC																			
						450									614	1110	450	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
						12									614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
						3									808	18700	3	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
INCIDENTALS																			
						LS									614	11000	LS		MAINTAINING TRAFFIC
						LS									623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING
						LS									624	10000	LS		MOBILIZATION

L:\ODOT\18068307-00_VAR-D07SignUpgrades\108054\Roadway\Sheets\108054\G001.dgn 3/20/2020 10:49:39 AM ghansel

CALCULATED LDW CHECKED JWB

GENERAL SUMMARY

D07 - SIGN - FY 20

61
152

L:\ODOT\18068307-00_VAR-D07SignUpgrades\108054\Roadway\Sheets\108054GS001.dgn 2/14/2020 7:04:58 AM lwilson

REF NO.	SHEET NO.	STATION TO STATION			625	630	630	630	630	630	630	630	630	630	630	630	630	631	630	630	606	606	606
					GROUND ROD	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8	SIGN, FLAT SHEET	SIGN ATTACHMENT ASSEMBLY	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	SIGN, OVERHEAD EXTRUSHEET	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-15.115	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-18.24	SIGNING, MISC.: MAINTENANCE OF SIGN SUPPORT	REMOVAL, MISC.: REMOVAL OF SIGN SERVICE AND DISPOSAL	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTON	SIGN BACKING ASSEMBLY	ANCHOR ASSEMBLY, MGS TYPE T	ANCHOR ASSEMBLY, MGS TYPE E
VAR			TO		EACH	EACH	SF	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT
68		0.00	TO	20.59	2	1		129		25.0	4819.0	2		50	1					24		3	
69		0.00	TO	CR-17				124		38.0	5592.0			44						28		5	
70		0.00	TO	CR-95				52		34.0	2459.0			20						7		3	
TOTALS CARRIED TO GENERAL SUMMARY					2	1		305		97.0	12870.0	2		114	1					59		11	

CALCULATED LDW	CHECKED JWB	SUBSUMMARY TRUSS SIGNS

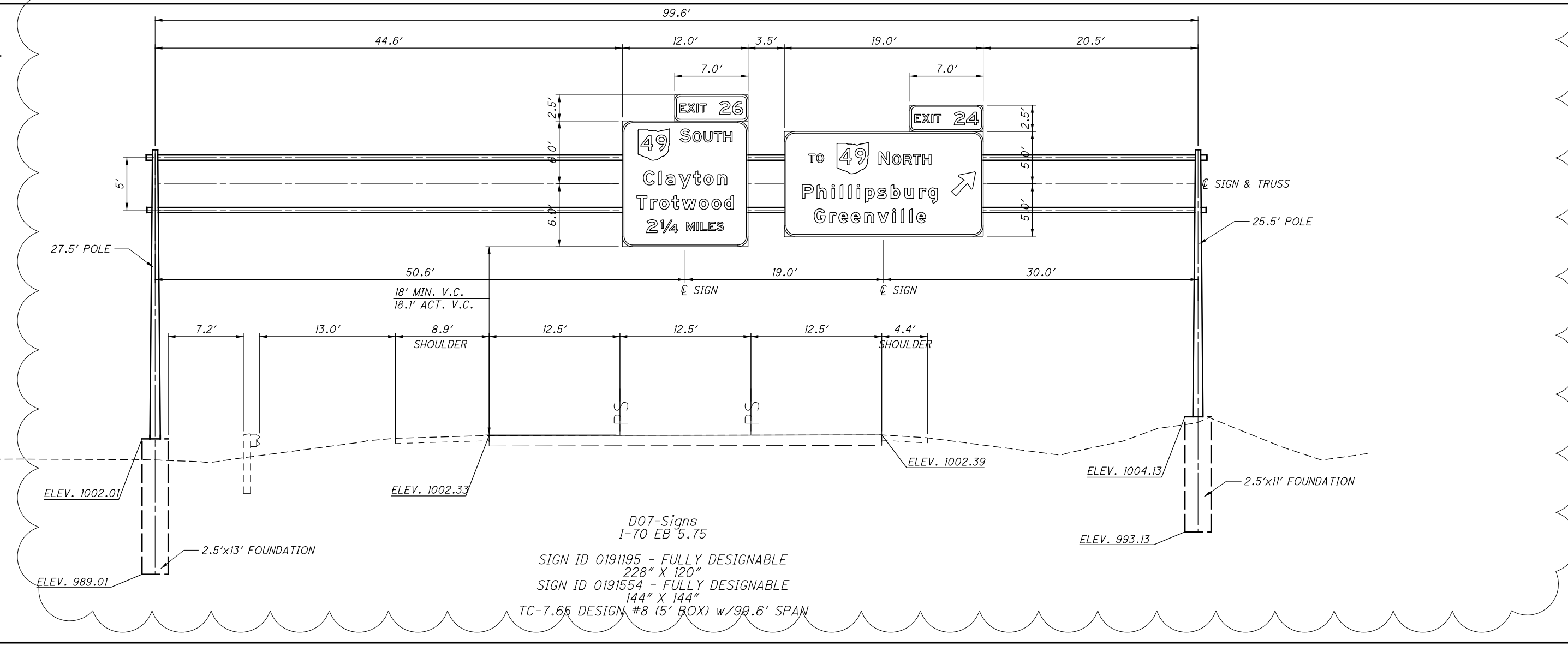
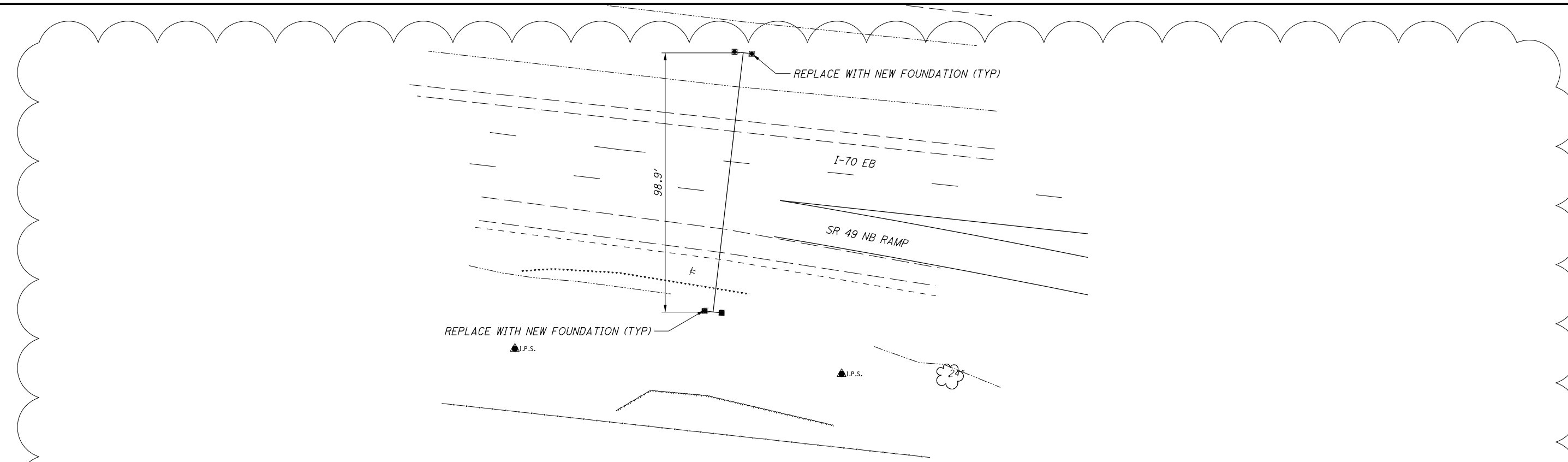
L:\ODS\T18068307-00_VAR-D07SignUpgrades\108054-Roadway_Sheets\108054T0001.dgn 2/14/2020 7:05:03 AM lwilson

Main data table with columns: ROUTE, SIGN ID, COUNTY, LOG POINT, LATITUDE, LONGITUDE, SIDE, DIRECTION OF TRAVEL, MUTCD CODE, SIZE (INCHES), GROUND ROD, OVERHEAD SIGN SUPPORT, RIGID OVERHEAD SIGN SUPPORT FOUNDATION, REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL, REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL, REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, SIGNING, MISC.: MAINTENANCE OF SIGN SUPPORT, REMOVAL, MISC.-REMOVAL OF SIGN SERVICE AND DISPOSAL, SIGN BACKING ASSEMBLY, ANCHOR ASSEMBLY, MGS TYPE T, ANCHOR ASSEMBLY, MGS TYPE E, GUARDRAIL, TYPE MGS, and REMARKS.

Summary table with columns: CALCULATED (LDW), CHECKED (JWB), ESTIMATED QUANTITIES (TRUSS SIGNS), and D07 - SIGN - FY 20 (68, 152).

TOTALS CARRIED TO SUBSUMMARY - SHEET 62

L:\ODOT\18068307-00_VAR-D07\Sign\Upgrades\108054\Roadway\Sheets\108054\TE005.dgn 2/14/2020 7:05:40 AM lwilson



D07-Signs
I-70 EB 5.75
SIGN ID 0191195 - FULLY DESIGNABLE
228" X 120"
SIGN ID 0191554 - FULLY DESIGNABLE
144" X 144"
TC-7.65 DESIGN #8 (5' BOX) w/99.6' SPAN