

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBs (IA-21).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

- 1. RRFB INDICATIONS
A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.
D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.
F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
G. AN LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, CONT'D.

H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS

- A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.

3. CONTROL CIRCUIT

- A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

4. BATTERY AND SOLAR PANELS

- A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.
B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

5. WIRELESS RADIO

- A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON

- A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
B. PUSHBUTTON SHALL BE ADA COMPLIANT.

7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, CONT'D.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT -

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT -

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA.

USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

DECORATIVE LIGHT POLES REMOVED AND REERECT
DECORATIVE LIGHT POLES LOCATED ALONG HERITAGE DRIVE THAT ARE CALLED OUT ON THE PLANS TO BE RELOCATED ARE OWNED BY THE PROPERTY OWNERS. CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNERS TO REMOVE THE EXISTING POLE AND REERECT IT AT A NEW LOCATION OUTSIDE OF THE CONSTRUCTION AREA. CONTRACTOR TO INSTALL THE DECORATIVE LIGHT POLE, REWIRE IT AND PROVIDE TO THE PROPERTY OWNER PROOF THAT IT IS FUNCTIONING PROPERLY.
PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR ITEM 625 - LIGHT POLE, AESTHETIC, AS PER PLAN.

PEDESTRIAN DETOUR

CONTRACTOR TO PROVIDE A PEDESTRIAN DETOUR PER SCD MT-110.10 WITH SAFE, CONVENIENT TRAVEL PATH THAT REPLICATES AS NEARLY AS POSSIBLE THE MOST DESIRABLE CHARACTERISTICS OF EXISTING SIDEWALKS OR FOOTPATHS. PEDESTRIANS SHALL NOT BE LED INTO CONFLICTS WITH WORK AREAS, CONSTRUCTION VEHICLES, EQUIPMENT, OR OPERATIONS.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR ITEM 614 - DETOUR SIGNING.

POLE AND FOUNDATION REMOVAL

CONTRACTOR TO REMOVE EXISTING METAL POLE AND THE CONCRETE FOUNDATION IT'S ATTACHED TO, AT THE LOCATION AS SHOWN ON SHEET 14.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR ITEM 202 - REMOVAL MISC.: EXISTING METAL POLE AND FOUNDATION

WATER SERVICE BOX PREVIOUS PROJECT

PRIOR TO THIS PROJECT, A WATER LINE PROJECT FOR THE VILLAGE (CHERRY ST WATER MAIN & STORM SEWER) WILL BE CONSTRUCTED IN THE AREA OF THIS PROJECTS PROPOSED SIDEWALK. CONTRACTOR WILL NEED TO ADJUST TO GRADE ANY SERVICE BOXES WITHIN THE SIDEWALK LIMITS.

A QUANTITY OF 10 SERVICE BOXES ADJUSTED TO GRADE HAS BEEN CARRIED TO THE GENERAL SUMMARY.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR IS HEREBY ADVISED THAT PROJECT CHERRY ST WATER MAIN & STORM SEWER T10-11077 MAY BE UNDER CONSTRUCTION DURING THE SAME PERIOD THIS PROJECT IS BEING CONSTRUCTED. UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OTHER CONTRACTORS OF THE EFFECTS OF THIS CONTRACT UPON THE CHERRY ST WATER MAIN & STORM SEWER T10-11077 PROJECT. THE CONTRACTORS SHALL COOPERATE WITH THE OTHER CONTRACTORS IN ACCORDANCE WITH SEC. 105.08 AND ARRANGE A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY CONFLICTS BETWEEN THE CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREAS OR COOPERATION WILL BE RESOLVED BY THE ENGINEER.

Table with project details: DESIGN AGENCY (THE THRASHER GROUP), DESIGNER (NCT), REVIEWER (CID 12/16/24), PROJECT ID (117393), SHEET (P.05), TOTAL (140)



**TUS-HERITAGE DRIVE SIDEWALKS**

MODEL: Sheet\_SurvFI\_PAPER SIZE: 34x22 (in.) DATE: 3/19/2025 TIME: 9:22:41 AM USER: rthompson  
 R:\0801780-1038.00 - Village of Tuscarawas - Tus-Heritage Sidewalks\117393\400-Engineering\Roadway\Sheets\117393\_GS001.dgn

REF. NO.	SHEET NO.	STATION		SIDE	202	202	202	608	608	608	611	611	611	611	611	611	625	638	638	638	638	690	
		FROM	TO		WALK REMOVED SF	PIPE REMOVED, 24" AND UNDER FT	CATCH BASIN REMOVED EA	4" CONCRETE WALK SF	6" CONCRETE WALK SF	CURB RAMP SF	4" CONDUIT, TYPE C FT	12" CONDUIT, TYPE C FT	15" CONDUIT, TYPE C FT	18" CONDUIT, TYPE C FT	CATCH BASIN, NO. 2-2B EACH	MANHOLE, NO.3 EACH	LIGHT POLE, AESTHETIC, AS PER PLAN EACH	FIRE HYDRANT REMOVED AND RESET EACH	VALVE BOX ADJUSTED TO GRADE EACH	SERVICE VALVE BOX ADJUSTED TO GRADE EACH	WATER MANHOLE ADJUSTED TO GRADE EACH	SPECIAL - MAILBOX REMOVED AND RESET EACH	
R-1	14	191+84.91	192+13.28	LT	165																		
R-2	14	192+46.10	193+51.64	LT	566																		
R-3	15	196+51.33	196+61.24	LT	48																		
R-4	15	196+95.12	197+64.08	LT	329																		
R-5	16	199+64.75	200+98.29	LT	748																		
R-6	16,17	201+39.78	205+30.68	LT	1868																		
R-7	17,21,22	205+71.89	207+47.20	LT	934																		
R-8	17,21	208+06.59	208+18.63	RT	103																		
R-9	17,21,22	30+31.16	31+88.31	LT	595																		
R-10	22,23,24	32+86.39	37+74.58	LT	1928																		
R-11	23,24	38+24.42	38+28.01	LT	19																		
R-12	24	170+40.70	172+26.17	RT	922																		
R-13	24	169+31.62	170+16.00	RT	174																		
R-14	17	208+36.85	208+43.60	LT		14	1																
R-15	18	210+26.25	210+39.88	LT		30	1																
R-16	18	212+08.10	212+21.90	LT		25	1																
SW-1	14	190+41.21	191+21.60	LT				400															
SW-2	14	192+76.20	192+90.64	LT				74															
SW-3	14	193+06.57	192+51.64	LT				220															
SW-4	15	197+05.10	198+85.45	LT				910															
SW-5	16	199+00.45	200+89.15	LT				953															
SW-6	16,17	201+41.10	205+28.34	LT				1973															
SW-7	17	205+90.75	206+31.54	LT				235															
SW-8	17,21,22	206+40.54	207+54.53	LT				569															
SW-9	17,18,21,22	208+37.63	209+48.43	LT				565															
SW-10	18	210+16.69	213+96.90	LT				2282															
SW-11	19	214+43.86	215+38.65	LT				474															
SW-12	19	215+78.30	216+75.70	LT				487															
SW-13	20	20+37.43	22+48.70	RT				1037															
SW-14	20,21	22+84.05	24+29.01	RT				734															
SW-15	21	24+39.50	24+56.74	RT				79															
SW-16	17,21	24+76.17	26+29.31	RT				810															
SW-17	17,21	25+58.89	26+17.91	LT				293															
SW-18	17,21,22	30+26.35	31+10.47	LT				420															
SW-19	22	31+20.50	31+26.50	LT				31															
SW-20	22	31+45.38	31+51.53	LT				31															
SW-21	22	33+02.28	33+28.82	LT				132															
SW-22	22,23	33+50.14	34+71.53	LT				607															
SW-23	23	34+81.58	35+95.20	LT				568															
SW-24	23	36+04.17	36+94.36	LT				451															
SW-25	23,24	37+19.83	37+69.83	LT				250															
SW-26	23,24	38+35.08	35+27.57	LT				17															
SW-27	23,24	170+47.03	172+17.13	RT				850															
SW-28	24	169+78.84	170+06.89	RT				152															
SW-29	24,25	180+29.16	182+28.31	LT				996															
SW-30	25	182+44.56	183+35.33	LT				454															
SW-31	25	183+44.91	184+07.06	LT				312															
SW-32	26	59+61.97	59+79.47	LT				112															
SW-33	26	59+55.59		LT & RT				111															
SW-34	26	59+67.81	59+75.12	RT				39															
<b>TOTALS CARRIED TO SHEET 10</b>					8399	69	3	15346	2282	0	0	0	0	0	0	0	0	0	0	0	0	0	

<b>ROADWAY SUBSUMMARY</b>	
DESIGN AGENCY	THE THRASHER GROUP
DESIGNER	NCT
REVIEWER	CJD 12/16/24
PROJECT ID	117393
SHEET TOTAL	P.07   140

**TUS-HERITAGE DRIVE SIDEWALKS**

MODEL: Sheet\_SurvFl\_PAPER SIZE: 34x22 (in.) DATE: 3/19/2025 TIME: 9:22:42 AM USER: rthompson  
 R:\0801\T80-1038.00 - Village of Tuscarawas - Tus-Heritage Sidewalks\117393\400-Engineering\Roadway\Sheets\117393\_GS002.dgn

REF. NO.	SHEET NO.	STATION		SIDE	202	202	202	608	608	608	611	611	611	611	611	611	625	638	638	638	638	690	
		FROM	TO		WALK REMOVED SF	PIPE REMOVED, 24" AND UNDER FT	CATCH BASIN REMOVED EA	4" CONCRETE WALK SF	6" CONCRETE WALK SF	CURB RAMP SF	4" CONDUIT, TYPE C FT	12" CONDUIT, TYPE C FT	15" CONDUIT, TYPE C FT	18" CONDUIT, TYPE C FT	CATCH BASIN, NO. 2-2B EACH	MANHOLE, NO.3 EACH	LIGHT POLE, AESTHETIC, AS PER PLAN EACH	FIRE HYDRANT REMOVED AND RESET EACH	VALVE BOX ADJUSTED TO GRADE EACH	SERVICE VALVE BOX ADJUSTED TO GRADE EACH	WATER MANHOLE ADJUSTED TO GRADE EACH	SPECIAL - MAILBOX REMOVED AND RESET EACH	
SW-35	26	59+88.56	60+87.07	RT				519															
SW-36	26	61+05.03	61+79.34	RT				372															
SW-37	26	61+97.24	62+45.12	RT				239															
SW-38	26	62+63.11	63+81.59	RT				604															
SW-39	27	64+00.72	64+40.32	RT				202															
SW-40	27	64+60.92	65+93.42	RT				645															
SW-41	27	66+11.86	66+35.16	RT				116															
SW-42	27	66+54.20	67+63.65	RT				547															
SW-43	27	67+81.48	68+59.79	RT				392															
SW-44	27,28	68+81.10	70+52.47	RT				857															
SW-45	28	70+66.98	71+03.29	RT				182															
SW-46	20,28	71+24.67	73+56.10	RT				1190															
SW-47	20,28	73+02.49	73+66.10	LT				318															
SW-48	28	71+20.13	72+81.49	LT				807															
SW-49	28	70+42.81	71+03.20	LT				302															
SW-50	27,28	68+79.93	70+26.10	LT				731															
SW-51	27	67+81.94	68+64.97	LT				415															
SW-52	27	66+99.91	67+64.29	LT				321															
SW-53	27	66+11.21	66+82.27	LT				355															
SW-54	27	64+83.12	65+91.04	LT				552															
SW-55	27	63+99.62	64+58.13	LT				290															
SW-56	26	63+04.59	63+78.52	LT				359															
SW-57	26	62+10.53	62+80.86	LT				352															
SW-58	26	61+10.90	61+93.34	LT				412															
SW-59	26	60+00.98	60+93.67	LT				503															
CR-1	14	192+10.12	192+19.51	LT					46														
CR-2	14	192+34.11	192+46.33	LT					49														
CR-3	15	196+51.23	196+61.23	LT					48														
CR-4	15	196+90.91	197+05.10	LT					63														
CR-5	16	200+89.16	201+03.34	LT					61														
CR-6	16	201+28.39	201+41.10	LT					59														
CR-7	17	205+28.33	205+40.80	LT					59														
CR-8	17	205+71.73	205+84.74	LT					58														
CR-9	17,21,22	207+54.54	207+62.52	LT					48														
CR-10	17,21,22	208+18.34	208+37.63	LT					75														
CR-11	17,21	208+12.93	208+18.08	RT					32														
CR-12	17,21	207+91.40	208+02.38	RT					44														
CR-13	17,21	207+52.27	207+58.20	RT					64														
CR-14	18	209+48.43	209+63.48	LT					64														
CR-15	18	209+98.29	210+16.69	LT					87														
CR-16	18	212+27.92	212+33.73	LT					32														
CR-17	18	212+28.17	212+33.14	RT					30														
CR-18	18,19	213+96.92	214+10.59	LT					72														
CR-19	19	214+29.19	214+43.84	LT					64														
CR-20	19	215+38.64	215+52.96	LT					63														
CR-21	19	215+66.99	215+78.30	LT					58														
CR-22	19	216+75.70	2126+89.28	LT					61														
CR-23	19	217+26.86	217+40.27	LT					60														
CR-24	20	20+82.49	20+90.81	LT					42														
CR-25	20	21+14.86	21+18.50	LT					17														
<b>TOTALS CARRIED TO SHEET 10</b>					0	0	0	11582	0	1356	0	0	0	0	0	0	0	0	0	0	0	0	0

**ROADWAY SUBSUMMARY**

DESIGN AGENCY	THE THRASHER GROUP
DESIGNER	NCT
REVIEWER	CJD 12/16/24
PROJECT ID	117393
SHEET TOTAL	P.08   140

**TUS-HERITAGE DRIVE SIDEWALKS**

MODEL: Sheet\_SurvFI\_PAPER SIZE: 34x22 (in.) DATE: 3/19/2025 TIME: 9:22:42 AM USER: nhtompson  
 R:\0801780-1038.00 - Village of Tuscarawas - TUS-Heritage Sidewalks\117393\400-Engineering\Roadway\Sheets\117393\_GS003.dgn

REF. NO.	SHEET NO.	STATION		SIDE	202	202	202	608	608	608	611	611	611	611	611	611	625	638	638	638	638	690		
		FROM	TO		WALK REMOVED SF	PIPE REMOVED, 24" AND UNDER FT	CATCH BASIN REMOVED EA	4" CONCRETE WALK SF	6" CONCRETE WALK SF	CURB RAMP SF	4" CONDUIT, TYPE C FT	12" CONDUIT, TYPE C FT	15" CONDUIT, TYPE C FT	18" CONDUIT, TYPE C FT	CATCH BASIN, NO. 2-2B EACH	MANHOLE, NO.3 EACH	LIGHT POLE, AESTHETIC, AS PER PLAN EACH	FIRE HYDRANT REMOVED AND RESET EACH	VALVE BOX ADJUSTED TO GRADE EACH	SERVICE VALVE BOX ADJUSTED TO GRADE EACH	WATER MANHOLE ADJUSTED TO GRADE EACH	SPECIAL - MAILBOX REMOVED AND RESET EACH		
CR-26	20	21+18.50	21+23.56	LT						33														
CR-27	20	21+18.49	21+23.47	RT						31														
CR-28	23,24	37+69.80	37+80.83	LT						69														
CR-29	23,24	38+12.42	38+24.40	LT						54														
CR-30	24	170+36.89	170+46.87	LT						50														
CR-31	24	170+06.56	170+16.57	LT						50														
CR-32	24	169+78.68	169+83.70	LT						50														
CR-33	24	169+76.97	169+83.97	RT						83														
CR-34	24	170+09.11	170+15.97	RT						30														
D-1	17	208+36.85	208+43.60	LT								10				1								
D-2	17	208+36.85	208+43.60	LT							6				1									
D-3	18	210+32.51	210+32.96	LT							15				1									
D-4	18	210+32.96		LT							5	10				1								
D-5	18	212+15.00	215+15.01	LT							5	10			1									
D-6	18	212+15.01		LT									10			1								
FH-1	19	215+37.29		LT													1							
FH-2	26	60+28.93		LT													1							
MB-1	26	59+61.23		LT																			1	
MB-2	26	59+94.70		RT																			1	
MB-3	26	60+07.70		LT																			1	
MB-4	26	62+41.13		RT																			1	
MB-5	26	63+07.44		LT																			1	
MB-6	26	63+80.17		RT																			1	
MB-7	27	64+70.06		RT																			1	
MB-8	27	64+87.59		LT																			1	
MB-9	27	65+88.51		RT																			1	
MB-10	27	66+16.84		LT																			1	
MB-11	27	66+31.88		RT																			1	
MB-12	27	66+78.17		LT																			1	
MB-13	27	67+82.79		RT																			1	
MB-14	27	68+93.54		RT																			1	
MB-15	28	70+07.64		LT																			1	
MB-16	28	70+35.43		RT																			1	
LP-1	27	66+74.96		LT													1							
LP-2	28	70+43.93		RT													1							
LP-3	28	71+32.57		RT													1							
ATG-1	14	192+43.87		LT																			1	
ATG-2	14	193+02.35		LT																			1	
ATG-3	19	215+50.83		LT																			1	
ATG-4	19	215+89.45		LT																			1	
ATG-5	20	21+15.27		RT																			1	
ATG-6	26	59+53.71		RT																			1	
ATG-7	26	59+65.65		LT																			1	
ATG-8	26	63+21.26		LT																			1	
ATG-9	26	63+23.24		LT																			1	
ATG-10	27	67+26.32		LT																			1	
ATG-11	27	67+28.11		LT																			1	
ATG-12	28	73+56.55		LT																			1	
<b>TOTALS CARRIED TO SHEET 10</b>					0	0	0	0	0	450	5	36	20	10	3	3	3	2	7	4	1	16		

**ROADWAY SUBSUMMARY**

DESIGN AGENCY	THE THRASHER GROUP
DESIGNER	NCT
REVIEWER	CJD 12/16/24
PROJECT ID	117393
SHEET TOTAL	P.09   140

