

PAVEMENT

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)

THIS ITEM 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 AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE SURFACE COURSE. THE DEPTH OF REMOVAL SHALL BE AS DIRECTED BY THE ENGINEER WITH A MAXIMUM DEPTH OF 4". THE MINIMUM WIDTH OF REPAIR SHALL BE 4FT.

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

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR IS TO BE A MAXIMUM OF 4" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ROUTE: 61C	PLAN SPLIT: 03/S5K/05	QUANTITY: 108 CY
61	03/S5K/05	494 CY
250	01/S<2/05	101 CY
250	03/S5K/05	552 CY

ITEM 253 - PAVEMENT REPAIR

THIS ITEM 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 AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE SURFACE COURSE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 10" AND A MINIMUM WIDTH OF 4FT. FOR FULL DEPTH REPAIRS WHERE CONCRETE IS UNDERLYING ASPHALT BUT CONCRETE IS NOT BEING REPLACED AS PART OF THE REPAIR, REMOVE ALL ASPHALT TO THE TOP OF CONCRETE THEN COMPLETE FLEXIBLE REPAIR ON TOP OF EXISTING CONCRETE.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE AND MAY BE PLACED IN MULTIPLE LIFTS IF NECESSARY, AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 253 PAVEMENT REPAIR IS TO BE A MAXIMUM OF 10" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ROUTE: 61C	PLAN SPLIT: 03/S5K/05	QUANTITY: 11 CY
61	03/S5K/05	49 CY
250	01/S<2/05	10 CY
250	03/S5K/05	55 CY

PAVEMENT REPAIR (GENERAL AWARENESS)

PREVIOUS PLANS AND EXPERIENCE IN THE AREA INDICATE THAT BURIED STREETCAR TRACKS MAY EXIST UNDER THE EXISTING SURFACE ON STATE ROUTE 61. THE EXACT LOCATION AND DEPTH OF THESE TRACKS HAS NOT BEEN ABLE TO BE VERIFIED BY CONVENTIONAL AND REASONABLE METHODS. IF THESE TRACKS ARE EXPOSED AND ARE ANTICIPATED TO DETRIMENTALLY EFFECT THE QUALITY OF THE PROPOSED PAVEMENT, IMMEDIATELY CEASE PAVEMENT OPERATIONS IN THE AFFECTED AREA AND CONTACT THE DISTRICT THREE PAVEMENT ENGINEER, MARK STROHM, PE, AT MARK.STROHM@DOT.OHIO.GOV OR 419-207-7177. PROCEED AFTER RECEIVING FEEDBACK FROM THE PAVEMENT ENGINEER, COMPLYING WITH ANY REQUESTS. ANY CHANGES NEEDED TO THE PAVEMENT TREATMENT AS A RESULT OF THESE FINDINGS AND RECOMMENDATIONS WILL BE INCLUDED IN THE PROJECT VIA OWNER REQUESTED CHANGE ORDER ENCOMPASSING THE APPROPRIATE ITEMS.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PREVIOUS CONSTRUCTION PLANS SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 3 OFFICE. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

ITEM 254 - PATCHING PLANED SURFACE

AN ESTIMATED QUANTITY OF ITEM 254 - PATCHING PLANED SURFACE HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER AS DESCRIBED IN CMS 254.04. THE LIMIT OF THE PATCHING DEPTH IS 0 TO 2 IN.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PATCHING PLANED SURFACE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 – PATCHING PLANED SURFACE.

ROUTE 61C	PLAN SPLIT 02/S<2/05	QUANTITY: 113 SY
61	02/S<2/05	283 SY
250	01/S<2/05	104 SY
250	02/S<2/05	372 SY

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (UNCURBED SECTIONS)

THE INTENT OF THE PLANING IS TO MILL THE SPECIFIED DEPTH AT THE CENTER OF PAVEMENT AT NON-CURBED AREAS. THE PAVEMENT SLOPE SHALL BE 0.010 MINIMUM AND 0.016 PREFERRED, CONTINUOUS BETWEEN THE CROWN AND THE PROPOSED EDGELINE/SHOULDER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CENTER OF PAVEMENT IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN SEVEN (7) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 7 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$3500 PER DAY.

AS PART OF THIS ITEM, DELIVER ALL OF THE REMOVED MILLINGS TO THE CITY OF NORWALK. COORDINATE THIS DELIVERY, AS TO THE TIME AND PLACE, WITH THE CITY OF NORWALK. MILLINGS SHOULD BE DELIVERED TO THE CITY OF NORWALK GENERAL SERVICES DEPARTMENT AT 42 WOODLAWN AVE. CONTACT THE CITY PUBLIC WORKS DIRECTOR, AARON OSBORN, AT PUBLICWORKSDIRECTOR@NORWALKOH.COM.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (CURBED SECTION)

THE INTENT OF THE PLANING IS TO MILL THE SPECIFIED DEPTH ALONG THE CURB CONTINGENT ON THE FOLLOWING: THE MAXIMUM CROSS SLOPE SHALL BE 0.02 WHILE THE MINIMUM CROSS SLOPE SHALL BE 0.01. THE PREFERRED CROSS SLOPE IS 0.016. THE CROWN OF THE PAVEMENT SHALL BE LOCATED BETWEEN THE TRAVELED LANES, OR AS DIRECTED BY THE ENGINEER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 14 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$3500.

AS PART OF THIS ITEM, DELIVER ALL OF THE REMOVED MILLINGS TO THE CITY OF NORWALK. COORDINATE THIS DELIVERY, AS TO THE TIME AND PLACE, WITH THE CITY OF NORWALK. MILLINGS SHOULD BE DELIVERED TO THE CITY OF NORWALK GENERAL SERVICES DEPARTMENT AT 42 WOODLAWN AVE. CONTACT THE CITY PUBLIC WORKS DIRECTOR, AARON OSBORN, AT PUBLICWORKSDIRECTOR@NORWALKOH.COM.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE.

ITEM 408 - PRIME COAT, AS PER PLAN

THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER SECTION 702) AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER (ITEM 617) AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF PAVEMENT OR EDGE LINE. THE CONTRACTOR SHALL APPLY THE PRIME COAT TO THE AGGREGATE SHOULDER WITHIN 7 (SEVEN) CALENDAR DAYS OF THE INSTALLATION OF ITEM 617 ON THE SHOULDER. PRIOR TO APPLYING THE PRIME COAT LAYER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CORRECT ANY DAMAGES TO AGGREGATE SHOULDER THAT HAS OCCURRED DURING THE PERIOD OF TIME BETWEEN THE PLACEMENT OF THE BERM MATERIAL AND THE INSTALLATION OF PRIME COAT. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO 107.10 OF THE SPECIFICATIONS.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.
USE A PG 64-22 BINDER.
WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

DESIGN AGENCY

DISTRICT 3



ENGINEERING TEAM ONE

DESIGNER

ERC

REVIEWER

KRB 12/23/24

PROJECT ID

107782

SHEET

P.013

TOTAL

147

TRAFFIC SIGNALS

ITEM 632 – PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL

THIS ITEM SHALL BE USED TO RELOCATE THE EXISTING PEDESTALS ONTO NEW FOUNDATIONS AT LOCATIONS SHOWN IN THE PLANS. THE CONTRACTOR SHALL REFER TO C&MS 632.27.

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW ANCHOR BOLTS UNDER THIS ITEM OF WORK.

THE CONTRACTOR AND THE ENGINEER SHALL INSPECT THE PEDESTAL SUPPORT PRIOR TO RELOCATION FOR THE PURPOSE OF DOCUMENTING ANY EXISTING DAMAGE. ANY DAMAGE IDENTIFIED AFTER RELOCATION AND NOT DOCUMENTED IN THE PRE-RELOCATION INSPECTION REPORT WILL BE PRESUMED TO HAVE BEEN CAUSED BY THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED EQUIPMENT AT THE OPTION OF THE ENGINEER.

THE COST OF ANY TRENCHING, CONDUIT, CABLE, AND CONNECTIONS NECESSARY FOR RELOCATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. THE REMOVAL OF THE PEDESTAL FROM THE EXISTING FOUNDATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 632 – PEDESTAL, MISC.: REUSE OF EXISTING PEDESTAL, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 632 – PEDESTAL FOUNDATION, AS PER PLAN

THIS ITEM SHALL BE AS PER CMS 632, 732 AND SCD TC-83.20 EXCEPT THE CONTRACTOR SHALL FURNISH AND INSTALL NEW ANCHOR BOLTS EQUAL IN NUMBER AND SIZE ASSOCIATED WITH THE EXISTING PEDESTAL WHICH WILL BE REMOVED AND REUSED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING AN ANCHOR BOLT TEMPLATE COMPATIBLE WITH THE EXISTING PEDESTAL.

THE FORMED TOP OF THE ANCHOR BASE POLE FOUNDATION SHALL BE ORIENTED PARALLEL TO THE SIDEWALK AS SHOWN ON THE PEDESTRIAN FACILITY DETAILS. THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH ANY ADJACENT SIDEWALK OR CONCRETE AREA.

PRIOR TO PLACING THE FOUNDATION, THE CONTRACTOR SHALL CONTACT OHIO811 TO HAVE ALL THE UTILITIES LOCATED IN THE FIELD, THEN MEET WITH THE PROJECT ENGINEER TO LOCATE THE PROPOSED FOUNDATIONS TO ENSURE THERE ARE NO CONFLICTS WITH UTILITIES. ADDITIONALLY, THE FOUNDATIONS SHALL BE EXCAVATED OR VACUUM EXCAVATED TO TEST FOR CONFLICTS. FOUNDATION VOIDS SHALL BE TEMPORARY BACKFILLED AND SECURELY COVERED. EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT. EXCAVATION FOR THE FOUNDATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK.

IF UTILITY CONFLICTS ARE ENCOUNTERED DURING CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED. MODIFICATIONS TO THE FOUNDATION LOCATION MAY BE REQUIRED. VACUUM EXCAVATION AND FOUNDATION LOCATION ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK. THIS WORK SHALL INCLUDE BACKFILLING, COMPACTING, AND RESTORATION OF UNUSED EXCAVATION TO THE SITE’S ORIGINAL CONDITION.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 632 – PEDESTAL FOUNDATION, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY FOR EACH FOUNDATION, IN PLACE, COMPLETE AND ACCEPTED.

ITEM 632 – REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN
ITEM 632 – REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN

THIS ITEM SHALL BE USED TO RELOCATE EXISTING PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS TO THE RELOCATED PEDESTALS AT LOCATIONS SHOWN IN THE PLANS.

ALL NEW MOUNTING HARDWARE SHALL BE FURNISHED AND INSTALLED.

PRIOR TO DEACTIVATION AND REMOVAL OR MODIFICATION OF EXISTING EQUIPMENT, THE CONTRACTOR AND THE ENGINEER SHALL INSPECT THE ITEM PRIOR TO RELOCATION FOR THE PURPOSE OF DOCUMENTING ANY EXISTING DAMAGE. ANY DAMAGE IDENTIFIED AFTER RELOCATION AND NOT DOCUMENTED IN THE PRE-RELOCATION INSPECTION REPORT WILL BE PRESUMED TO HAVE BEEN CAUSED BY THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED EQUIPMENT AT THE OPTION OF THE ENGINEER. IF REPLACEMENT IS NECESSARY DUE TO DAMAGE CAUSED BY THE CONTRACTOR, THE REPLACEMENT ITEMS SHALL MATCH THE MAKE AND MODEL OF EXISTING COMPONENTS. REPLACEMENT OR REPAIR OF ANY NON-OPERATIONAL COMPONENTS IDENTIFIED DURING THE PRE-CONSTRUCTION INSPECTION SHALL BE THE RESPONSIBILITY OF THE CITY.

THE COST OF ANY TRENCHING, CONDUIT, CABLE, AND CONNECTIONS NECESSARY FOR RELOCATION OF THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. THE REMOVAL OF THE PEDESTRIAN SIGNAL HEAD SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 632 – REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN, AND ITEM 632 – REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

GENERAL ELECTRICAL REQUIREMENTS FOR SOLAR-POWERED DEVICES (TEM 442-50)

RUN REQUIREMENTS OF THIS DEVICE ARE 24 HOURS PER DAY, 7 DAYS PER WEEK.

UTILIZE ENVIRONMENTALLY SEALED, HIGH-EFFICIENCY LED LIGHT SOURCES FOR THIS SOLAR-POWERED APPLICATION.

HOUSE THE SOLAR POWER SUPPLY CONTROLLER AND BATTERY IN ONE OR TWO STAINLESS STEEL OR ALUMINUM ENCLOSURES WITH A MINIMUM NEMA 3 OR 3X RATING.

IF THE EXTERIOR SIZE OF THE ENCLOSURE NECESSARY TO MEET THE REQUIREMENTS BELOW IS LESS THAN 1000 CUBIC INCHES, A SINGLE POLYMER ENCLOSURE RATED NEMA 4 AND LISTED AS SUNLIGHT-RESISTANT MAY BE INSTALLED, WITH APPROVAL OF THE ENGINEER.

SEAL ENCLOSURE CONDUIT ENTRIES TO PREVENT INSECT AND/OR RODENT ENTRY. PROVIDE METAL ENCLOSURES WITH AN EXTERIOR OF BARE OR POWDER-COATED ALUMINUM, OR STAINLESS STEEL.

PROVIDE A LOCKING ENCLOSURE USING EITHER AN INTEGRATED LOCKING MECHANISM OR A PADLOCK PER 631.06.

SMALL ENCLOSURES OF 300 CUBIC INCHES OR LESS (EXTERIOR) MAY BE PROVIDED WITH SECURITY FASTENERS IN LIEU OF A LOCKING MECHANISM OR PADLOCK.

SEPARATE THE CONTROL ELECTRONICS AND BATTERY, IF CONTAINED WITHIN A SINGLE ENCLOSURE, TO PREVENT DAMAGE TO THE CONTROL ELECTRONICS IF THE BATTERY ENVELOPE IS COMPROMISED.

PROVIDE SEALED GEL-CELL OR AGM (ABSORBED GLASS MAT) LEAD-ACID BATTERIES FOR ALL INSTALLATIONS WITH INSTANTANEOUS LOAD REQUIREMENTS OF 4 WATTS OR ABOVE, REGARDLESS OF DUTY CYCLE.

FOR INSTALLATIONS WITH INSTANTANEOUS LOAD REQUIREMENTS OF LESS THAN 4 WATTS, RECHARGEABLE NICD, LI-ION, OR NIMH BATTERIES MAY BE USED INSTEAD OF AGM OR GEL-CELL, IF APPROVED BY THE ENGINEER.

PROVIDE SIGNED COPIES FROM THE SOLAR PANEL AND/OR CONTROLLER MANUFACTURER OF ALL CALCULATIONS USED TO SIZE THE SOLAR PANEL AND BATTERIES.

INCLUDE IN THESE CALCULATIONS THE INSOLATION VALUE USED AND ITS REFERENCE SOURCE, THE SOLAR PANEL EFFICIENCY, CHARGER/CONTROLLER EFFICIENCY, INVERTER EFFICIENCY, PROPOSED LED LAMP AND/OR EQUIPMENT LOAD, AND A FIGURE REPRESENTING ANTICIPATED MISCELLANEOUS LOSSES.

SHOW CALCULATIONS DOCUMENTING A RESERVE CAPACITY OF TWO WEEKS OPERATION UNDER CONTINUOUS WORST-CASE (MINIMUM) INSOLATION FIGURES (USUALLY DECEMBER) FOR THE PROPOSED GEOGRAPHIC LOCATION, USING A PANEL ELEVATION ANGLE APPROPRIATE TO THE SITE, AT A SUSTAINED TEMPERATURE OF 25 DEGREES FAHRENHEIT (-4 DEGREES CELSIUS).

DELIVER A COPY OF THE CALCULATIONS TO THE ENGINEER AND ANOTHER COPY TO THE OFFICE OF ROADWAY ENGINEERING FOR APPROVAL.

PROVIDE DOCUMENTATION SHOWING THAT THE SOLAR PANEL MANUFACTURER TESTED THE PANEL ACCORDING TO IEC61215 OR EQUIVALENT APPROVED STANDARD.

PROVIDE DOCUMENTATION SHOWING THAT SOLAR PANEL MOUNTING IS RATED FOR 90 MPH DESIGN WIND AND DESIGNED TO RESIST VANDALISM.

ENSURE NEC GROUNDING AND BONDING REQUIREMENTS ARE MET IF VOLTAGES OVER 50V AC OR DC ARE PRESENT.

PROVIDE A TIMER (IF REQUIRED) THAT SATISFIES THE REQUIREMENTS OF C&MS 731.10 AND IS LISTED ON THE ODOT QUALIFIED PRODUCTS LIST.

PROVIDE COMPLETE PHOTO-CONTROLLER SPECIFICATIONS, INCLUDING ON/OFF PHOTOMETRIC SWITCH POINTS (TYPICALLY GIVEN IN FOOT-CANDLES), IF A PHOTO-CONTROLLER IS UTILIZED.

Item 632 - Removal of Miscellaneous Traffic Signal Item (Pedestal Foundation) plan note has been removed

Item 632 - Reuse of Pedestrian Signal Head, As Per Plan note has been removed

GENERAL NOTES

DESIGN AGENCY

DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER

ERC

REVIEWER

KRB 12/23/24

PROJECT ID

107782

SHEET

P.015

TOTAL

147

HUR-250/61-0.75/VAR

MODEL: GS2 PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 11:40:25 AM USER: ksalay
pw:\vhohidat-pw_bentley.com:chiodo-pw-02\Documents\01 Active Projects\District 03\Huron\107782-400-Engineering\Roadway\Sheets\107782_GS001.dgn

SHEET NUMBER									PART.					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
12	13	16	18	19	26	27	56	139	01/S<2/05	02/S<2/05	03/S5K/05	04/S5K/13	05/ENH/28							
	1,255						32		101		1,154			251	01042	1,255	CY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)		
	125								10		115		32	252	01500	32	FT	FULL DEPTH PAVEMENT SAWING		
	872				192,980				20,876	172,104				253	02000	125	CY	PAVEMENT REPAIR		
									254	01000				254	01000	192,980	SY	PAVEMENT PLANING, ASPHALT CONCRETE(1.50")		
									104	768				254	01600	872	SY	PATCHING PLANED SURFACE		
					17,368				1,879	15,489				407	20000	17,368	GAL	NON-TRACKING TACK COAT(0.09 GAL/SY)		
					1,643				150	1,493				408	10001	1,643	GAL	PRIME COAT, AS PER PLAN	13	
					7,827				656	7,171				442	00201	7,827	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), AS PER PLAN(PG64-22)	13	
					214				214					442	10000	214	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)(PG76-22)		
							376						376	609	12000	376	FT	COMBINATION CURB AND GUTTER, TYPE 2		
							275							275	609	14001	275	FT	CURB, TYPE 2-A, AS PER PLAN	9
							514							514	609	26000	514	FT	CURB, TYPE 6	
							192							192	609	26001	192	FT	CURB, TYPE 6, AS PER PLAN	9
					229				21	208				617	10100	229	CY	COMPACTED AGGREGATE(2.0" AVERAGE)		
130									1	129				638	10800	130	EACH	WATER WORK VALVE BOX ADJUSTED TO GRADE		
																		TRAFFIC CONTROL		
							5							5	630	79500	5	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
							5							5	630	80100	5	SF	SIGN, FLAT SHEET	
							4							4	630	85100	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
							1							1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
								0.6	0.6						642	00104	0.6	MILE	EDGE LINE, 6" , TYPE 1(WHITE)	
									1.02	1.02					642	00300	1.02	MILE	CENTER LINE, TYPE 1	
									1,617	1,617					644	00400	1,617	FT	CHANNELIZING LINE, 8"	
									352	352					644	00500	352	FT	STOP LINE	
									1,463	1,463					644	00700	1,463	FT	TRANSVERSE/DIAGONAL LINE	
									16	16					644	01300	16	EACH	LANE ARROW	
									0.18	0.1	0.08				646	10010	0.18	MILE	EDGE LINE, 6" (WHITE)	

GENERAL SUMMARY

DESIGN AGENCY	
DISTRICT 3	
	
ENGINEERING TEAM ONE	
DESIGNER	
ERC	
REVIEWER	
KRB	12/23/24
PROJECT ID	
107782	
SHEET	TOTAL
P.021	147

SHEET NUMBER									PART.					ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
16	18	19	26	27	56	139	141	147	01/S<2/05	02/S<2/05	03/S5K/05	04/S5K/13	05/ENH/28	(X)		EXT	TOTAL			
TRAFFIC CONTROL ALTERNATES																				
						2.28				2.28				X	642	00104	2.28	MILE	EDGE LINE, 6", TYPE 1(WHITE) (ALTERNATIVE 1)	
						1.58				1.58				X	642	00104	1.58	MILE	EDGE LINE, 6", TYPE 1(YELLOW) (ALTERNATIVE 1)	
						7.91				7.91				X	642	00300	7.91	MILE	CENTER LINE, TYPE 1 (ALTERNATIVE 1)	
						8,171				8,171				X	642	00400	8,171	FT	CHANNELIZING LINE, 8", TYPE 1 (ALTERNATIVE 1)	
						1,510				1,510				X	642	00500	1,510	FT	STOP LINE, TYPE 1 (ALTERNATIVE 1)	
						2,221				2,221				X	642	00630	2,221	FT	CROSSWALK LINE, 24", TYPE 1 (ALTERNATIVE 1)	
						667				667				X	642	00631	667	FT	CROSSWALK LINE, 24", TYPE 1, AS PER PLAN (ALTERNATIVE 1)	9
						1,006				1,006				X	642	00700	1,006	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1 (ALTERNATIVE 1)	
						2				2				X	642	01000	2	EACH	RAILROAD SYMBOL MARKING, TYPE 1 (ALTERNATIVE 1)	
						4				4				X	642	01100	4	EACH	SCHOOL SYMBOL MARKING, 72", TYPE 1 (ALTERNATIVE 1)	
						3,010				3,010				X	642	01200	3,010	FT	PARKING LOT STALL MARKING, TYPE 1 (ALTERNATIVE 1)	
						200				200				X	642	01300	200	EACH	LANE ARROW, TYPE 1 (ALTERNATIVE 1)	
						4				4				X	642	50010	4	EACH	PAVEMENT MARKING, MISC.:(HANDICAP PARKING STALL) (ALTERNATIVE 1)	14
						2.28				2.28				X	644	00104	2.28	MILE	EDGE LINE, 6"(WHITE) (ALTERNATIVE 2)	
						1.58				1.58				X	644	00104	1.58	MILE	EDGE LINE, 6"(YELLOW) (ALTERNATIVE 2)	
						7.91				7.91				X	644	00300	7.91	MILE	CENTER LINE (ALTERNATIVE 2)	
						8,171				8,171				X	644	00400	8,171	FT	CHANNELIZING LINE, 8" (ALTERNATIVE 2)	
						1,510				1,510				X	644	00500	1,510	FT	STOP LINE (ALTERNATIVE 2)	
						2,221				2,221				X	644	00630	2,221	FT	CROSSWALK LINE, 24" (ALTERNATIVE 2)	
						667				667				X	644	00631	667	FT	CROSSWALK LINE, 24", AS PER PLAN (ALTERNATIVE 2)	9
						1,006				1,006				X	644	00700	1,006	FT	TRANSVERSE/DIAGONAL LINE (ALTERNATIVE 2)	
						2				2				X	644	01000	2	EACH	RAILROAD SYMBOL MARKING (ALTERNATIVE 2)	
						4				4				X	644	01100	4	EACH	SCHOOL SYMBOL MARKING, 72" (ALTERNATIVE 2)	
						3,010				3,010				X	644	01200	3,010	FT	PARKING LOT STALL MARKING (ALTERNATIVE 2)	
						200				200				X	644	01300	200	EACH	LANE ARROW (ALTERNATIVE 2)	
						4				4				X	644	50100	4	EACH	PAVEMENT MARKING, MISC.:(HANDICAP PARKING STALL) (ALTERNATIVE 2)	14
TRAFFIC SIGNALS																				
					10								10		625	32000	10	EACH	GROUND ROD	
					2								2		632	20730	2	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	
45					2					45					632	20750	2	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON	
															632	26501	45	EACH	DETECTOR LOOP, AS PER PLAN	16
					10								10		632	64021	10	EACH	PEDESTAL FOUNDATION, AS PER PLAN	15
					6								6		632	90010	6	EACH	PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL	15
					8								8		632	90203	8	EACH	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	15
					8								8		632	90211	8	EACH	REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN	15
STRUCTURE REPAIR (SFN: 3902048)																				
							13					13			202	11301	13	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	141
							169					169			202	98200	169	FT	REMOVAL MISC.:JOINT SEALER	141
							4					4			203	10001	4	CY	EXCAVATION, AS PER PLAN	141
							33					33			509	10001	33	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	141
							10					10			511	34444	10	CY	CLASS QC2 CONCRETE, BRIDGE DECK	
							15					15			512	10300	15	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
							12					12			513	21001	12	EACH	TRIMMING OF BEAM END, AS PER PLAN	141
							169					169			516	31000	169	FT	JOINT SEALER	
							LS					LS			516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	141
							4					4			659	00301	4	CY	TOPSOIL, AS PER PLAN	141
							20					20			659	10000	20	SY	SEEDING AND MULCHING	
							1					1			659	14000	1	SY	REPAIR SEEDING AND MULCHING	
							1					1			659	15000	1	SY	INTER-SEEDING	
							0.01					0.01			659	20000	0.01	TON	COMMERCIAL FERTILIZER	
							0.01					0.01			659	31000	0.01	ACRE	LIME	
							0.11					0.11			659	35000	0.11	MGAL	WATER	
							125					125			848	10200	125	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 1.75" THICK	
							125					125			848	20000	125	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
							2					2			848	30200	2	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
							19					19			848	50000	19	SY	HAND CHIPPING	
							LS					LS			848	50100	LS		TEST SLAB	
							6					6			848	50200	6	CY	FULL-DEPTH REPAIR	

GENERAL SUMMARY

DESIGN AGENCY

DISTRICT 3



ENGINEERING TEAM ONE

DESIGNER

ERC

REVIEWER

KRB 12/23/24

PROJECT ID

107782

SHEET

P.022

TOTAL

147

HUR-250/61-0.75/VAR

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/7/2025 TIME: 8:10:23 PM USER: thomas
P:\230705 ODOT D3-D12 GES\112727\Task 10 - HUR US250-00.75 Norwalk Curb Ramps - PID 107782\107782\400-Engineering\Roadway\Sheets\107782_GS002.dgn

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	WALK REMOVED	202		659		252	608		609			625	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	630		632	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSH BUTTON, AS PER PLAN	PEDESTAL FOUNDATION, AS PER PLAN																				
INTERSECTION	LOCATION CODE	DESCRIPTOR				FT	FT	AREA (SF)	CY		FT	SF	SF	FT	FT				FT	FT					EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH										
* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH																			
SYCAMORE DRIVE	A1	NW	13	NO	96.93	11.03		13.19	0.25		68.99	32.00	2.86																															
	A2	NE		NO	117.82	21.47	19.18	17.68	0.33		125.62	25.00			5.05																													
	A3	NE		YES*	CANNOT IMPROVE DUE TO DRIVEWAY																																							
	A4	SE		YES*	NO WORK DUE TO RIGHT-OF-WAY																																							
WEST STREET	B1	NW	14	NO	SEE PID 111400, 118964, 120948, OR 123420 FOR DETAILS ON WORK TO BE COMPLETED AT THIS LOCATION																																							
	B2	NW		NO																																								
	B3	NE		NO																																								
	B4	NE		NO																																								
	B5	SE		NO																																								
	B6	SE		NO																																								
	B7	SW		NO																																								
	B8	SW		NO																																								
GARFIELD AVENUE	C1	NW	15	NO	SEE PID 111400, 118964, 120948, OR 123420 FOR DETAILS ON WORK TO BE COMPLETED AT THIS LOCATION																																							
	C2	NW		NO																																								
	C3	NE		NO																																								
	C4	SE		NO																																								
	C5	SE		YES*																																								
	C6	SW		YES*																																								
CORTLAND STREET	D1	NW	16	NO	SEE PID 111400, 118964, 120948, OR 123420 FOR DETAILS ON WORK TO BE COMPLETED AT THIS LOCATION																																							
	D2	NE		NO																																								
PLEASANT STREET	E1	NW	17	NO	SEE PID 111400, 118964, 120948, OR 123420 FOR DETAILS ON WORK TO BE COMPLETED AT THIS LOCATION																																							
	E2	NW		NO																																								
	E3	NE		NO																																								
	E4	NE		NO																																								
	E5	SE		NO																																								
	E6	SE		NO																																								
	E7	SW		NO																																								
	E8	SW		NO																																								
NEWTON STREET	F1	NW	18	NO	SEE PID 111400, 118964, 120948, OR 123420 FOR DETAILS ON WORK TO BE COMPLETED AT THIS LOCATION																																							
	F2	NE		NO																																								
MINARD PLACE & MANAHAN AVENUE	G1	NW	19	NO	91.53						67.05	53.54																																
	G2	NE		NO	91.88							71.09	25.64																															
	G3	NW		YES*	82.01	7.82						66.98	25.29	7.82																														
	G4	NE		YES*	127.82			9.73	0.19		80.65	39.40																																
STATE STREET	H1	NW	20	NO	159.56	23.77	40.49	0.75		70.92	108.25	14.00																																
	H2	NE		NO	126.43	20.51		15.22	0.29		70.51	85.00	17.02																															
CASE AVENUE & CHURCH STREET	I1	NW	21	YES*	NO WORK DUE TO RIGHT-OF-WAY																																							
	I2	NE		YES*																																								
	I3	SE		YES*																																								
	I4	SW		YES*																																								
HESTER STREET	J1	NW	22	YES*	NO WORK DUE TO RIGHT-OF-WAY																																							
	J2	NE		YES*																																								
	J3	NE		YES*																					63.08	31.26	15.50				99.18	65.40		30.85										
	J4	SE		NO																					118.60		15.00				90.69	97.08												
US 250	K1	NW	23	YES*	NO WORK - CANNOT IMPROVE																																							
	K2	NE		YES*																																								
	K3	SE		YES*																																								
	K4	SW		YES*																																								
LINWOOD AVENUE	L1	NW	24-26	YES*	NO WORK DUE TO RIGHT-OF-WAY																																							
	L2	NE		NO																					84.33		15.92				121.72													
	L3	NE		NO																					102.46	13.49	14.75				95.90	8.63		12.21										
	L4	SE		NO																					100.38	25.99	23.51				94.40	45.94		21.13	8.42									
	L5	SE		YES*																					NO WORK DUE TO RIGHT-OF-WAY																			
	L6	SW		YES*																																								
	L7	SW		NO																																								
TOTAL CARRIED TO SUB SUMMARY - SHEET 12					1438	173	124	97	2	0	1200	636	42	83	22	0	0	0	0	0	0	0	0	0	0																			

SR 61 PEDESTRIAN FACILITY SUBSUMMARY

DESIGN AGENCY

CHAGRIN VALLEY ENGINEERING, LTD.

DESIGNER

SHT

REVIEWER

EAF 01/03/25

PROJECT ID

107782

SUBSET

P.06

TOTAL

92

SHEET

P.50

TOTAL

147

HUR-250/61-0.75/VAR

MODEL: Sheet 2 PAPER: SIZE: 34x22 (in.) DATE: 4/7/2025 TIME: 8:10:23 PM USER: thomas P:\23075 ODOT D3-D12 GES\117277\Task 10 - HUR-U5250-00.75 Norwalk Curb Ramps - PID 107782\107782\400-Engineering\Roadway\Sheets\107782_G5002.dgn

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	202			659		252	608		609			625	630			632			PEDESTAL FOUNDATION, AS PER PLAN					
INTERSECTION	LOCATION CODE	DESCRIPTOR			WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	TOPSOIL, AS PER PLAN	FULL DEPTH PAVEMENT SAWING	CURB RAMP	4" CONCRETE WALK	CURB, TYPE 6	CURB, TYPE 6, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 2-A, AS PER PLAN	GROUND ROD	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DISPOSAL	SIGN. FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	ACCESSIBLE PEDESTRIAN PUSHBUTTON	PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSH BUTTON, AS PER PLAN			
* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	
PROSPECT STREET	M1	NW	27	NO	124.25	21.00	25.95				113.36	63.24		18.60	11.00													
	M2	NW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	M3	NE		NO	92.64		18.95				125.08	9.03			2.29													
	M4	NE		NO	115.59	10.45	15.01				113.48	32.49		14.92	2.29													
	M5	SE		NO	59.52	16.84	26.43				68.11	6.85		16.71														
	M6	SE		NO	40.97						76.07																	
	M7	SW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	M8	SW		NO	73.23	21.37	23.19				88.02	46.31		15.93	9.91													
FOSTER STREET	N1	NW	28	NO	134.30	31.95	13.97				116.26	73.96		25.87	0.95													
	N2	NW		YES*	124.47		15.28				114.91	77.91	10.34		0.95													
	N3	NE		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	N4	NE		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	N5	SE		NO	91.94	10.97					78.31	30.00																
	N6	SE		YES*	101.56	21.39					47.24	60.00	11.00															
	N7	SW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	N8	SW		NO	88.24	20.39	23.40				102.56	38.46		16.44	19.64													
MAIN STREET SCHOOL	SW1	-	28	NO	66.94	9.73						77.46	9.73															
	SW2	-	29	NO	66.99	10.02						66.99	10.02															
	SW3	-		NO	67.01	10.10						67.01	10.10															
	SW4	-	30	NO	38.66	5.89					47.49	5.89																
WOOSTER STREET	O1	NW	30	YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	O2	NE		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
MILAN AVENUE & WOODLAWN AVENUE	P1	NW	31	YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	P2	NE		YES*	133.71	13.08					84.37	79.79	2.04			21.00												
	P3	NE		NO	101.68	14.23					105.90																	
	P4	SE		NO	185.92	19.56		22.26	0.42		111.53	58.74	7.59															
	P5	SE		NO	271.27	23.33					98.13	181.48	7.85															
	P6	SW		NO	112.74	13.14					60.33	75.46	3.05															
	P7	SW		NO	131.09	22.55					92.32	22.62																
MILL STREET	Q1	SE	32	NO	68.36	8.03		3.05	0.06		38.64	30.00																
	Q2	SW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
CORWIN STRERET	R1	NW	33	NO	74.05	10.00					66.43	25.00																
	R2	SE		YES*	185.61	13.55		81.94	1.52		70.33	60.00	5.00															
	R3	SW		YES*	45.14	13.31					41.65	10.16																
	R4	SW		NO	95.38	20.35		43.78	0.82		62.22		11.40															
CHATHAM STREET	S1	NW	34	NO	73.74	12.34		7.15	0.14		73.43																	
	S2	NE		YES*	140.20	12.65		3.21	0.06		64.96	76.64	3.62															
GARDEN STREET	T1	NW	35	NO	22.92	11.02		3.77	0.07		24.55																	
	T2	NE		NO	126.79	16.06		4.58	0.09		56.98	77.23	3.54															
	T3	NE		NO	96.35	10.79					62.64	39.52	3.54															
	T4	SE		NO	84.66	14.27		6.65	0.13		59.33	18.81	3.39															
	T5	SE		NO	102.01	13.96		2.64	0.05		106.36	11.04	3.35															
	T6	SW		NO	119.80	12.37		2.14	0.04		75.14	50.00	1.76															
ROSEDALE BOULEVARD	U1	SE	36	NO	72.56	12.16		25.22	0.47		53.40																	
	U2	SW		NO	73.85	12.18		10.03	0.19		69.93																	
FERNWOOD BOULEVARD	V1	SE	37	NO	52.47						55.58																	
	V2	SW		NO	73.87						61.27	28.00																
SCHAUSS AVENUE	W1	NW	38-40	NO	60.00	10.00					121.49																	
	W2	NW		NO	130.50	23.40		41.97	0.78		49.52	68.07	13.26															
	W3	NE		NO	112.48	27.62					57.95	65.72	15.29															
	W4	NE		NO	126.47	31.39					76.08	65.72	15.29															
	W5	SE		NO	135.55	34.26					75.69	67.46	18.04															
	W6	SE		NO		19.19					57.31	24.86	6.27															
	W7	SW		NO	381.97	54.76					100.78	265.72	32.92															
	W8	SW		NO	242.78	28.62					178.05	80.17	10.33															
	W9	SW		NO	116.03	27.09					60.88	54.84	17.60															
	W10	SW		NO	92.96	10.00					97.47																	
TOTAL CARRIED TO SUB SUMMARY - SHEET 12					5130	756	163	259	5	0	3515	2235	243	109	48	21	0	0	0	0	0	0	0	0	0	0		

SR 61 PEDESTRIAN FACILITY SUBSUMMARY	
DESIGN AGENCY	
 CHAGRIN VALLEY ENGINEERING, LTD.	
DESIGNER	
SHT	
REVIEWER	
EAF 01/03/25	
PROJECT ID	
107782	
SUBSET	TOTAL
P.07	92
SHEET	TOTAL
P.51	147

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	WALK REMOVED	202		CURB AND GUTTER REMOVED	659		FULL DEPTH PAVEMENT SAWING	608		609		GROUND ROD	625	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	630		ACCESSIBLE PEDESTRIAN PUSHBUTTON	632									
INTERSECTION	LOCATION CODE	DESCRIPTOR				SF	FT		CY	SF		SF	FT	FT	COMBINATION CURB AND GUTTER, TYPE 2				FT	EACH		EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH
* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH				
GROVE AVENUE	X1	NW	41	NO	126.76	10.95					95.50	46.00																			
	X2	NE		NO	128.73	10.93					88.76	50.00																			
VANDERCOOK STREET & TOWNSEND AVENUE	Y1	NW	42	YES*		8.00					52.80																				
	Y2	NW		NO	129.67	22.16		37.85	0.71		42.57	51.57	13.72																		
	Y3	NE		NO	128.04	10.34					85.08	37.40	4.83																		
	Y4	SE		NO	109.77	10.09		12.06	0.23		65.60	53.78																			
	Y5	SW		YES*	227.83	18.23		68.97	1.28		86.67		1.88			36.29															
	Y6	SW		NO	60.75	16.03					48.18	116.85	7.74																		
MACK STREET	Z1	NW	43	YES*	NO WORK AT THIS LOCATION DUE TO RIGHT-OF-WAY																										
	Z2	NE		YES*	54.42	12.09					36.43	20.00	6.60																		
	Z3	NE		NO	38.53	9.77					41.93																				
	Z4	SE		NO	159.57	33.01		48.76	0.91		155.36	25.00	7.76				1							1	1	1	1				
OAKWOOD DRIVE	AA1	NW	44	NO	72.28	11.26		5.83	0.11		34.24	32.22	2.42																		
	AA2	NE		NO	76.50	10.01					41.34	45.00																			
OLD STATE ROAD	AB1	NW	45	NO	246.19	36.96		31.38	0.59		99.75	120.70	28.64																		
	AB2	NE		NO	NO WORK AT THIS LOCATION DUE TO RIGHT-OF-WAY																										
	AB3	SE		NO	163.22		13.66	26.76	0.50		59.12	130.86			6.16	27.56															
	AB4	SW		NO	95.96	13.44					80.25	37.28				8.31															
	AB5	SW		NO	106.01	12.12						91.02	44.30				9.31														
																											</				

HUR-250/61-0.75/VAR

MODEL: Sheet PAPER: SIZE: 34x22 (in.) DATE: 4/7/2025 TIME: 8:10:25 PM USER: thomas P:\23075 ODOT D3-D12 GE5\11727\Task 10 - HUR-US250-00.75 Norwalk Curb Ramps - PID 107782\107782\400-Engineering\Roadway\Sheets\107782_G5001.dgn

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	202		659		252	608		609				625	630				632						
INTERSECTION	LOCATION CODE	DESCRIPTOR			WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	TOPSOIL, AS PER PLAN	FULL DEPTH PAVEMENT SAWING	CURB RAMP	4" CONCRETE WALK	CURB, TYPE 6	CURB, TYPE 6, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 2-A, AS PER PLAN	GROUND ROD	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DISPOSAL	SIGN. FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	ACCESSIBLE PEDESTRIAN PUSHBUTTON	PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN	PEDESTAL FOUNDATION, AS PER PLAN	
					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH
					* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)																						
LAIS ROAD	BV1	SW	46	NO	138.09		6.03	79.56	1.48		78.48	76.17			6.03												
	BV2	NW		NO							42.15																
EMERALD PARKWAY	BT1	SW	47	NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
	BT2	NW		NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
	BT3	NW		NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
	BT4	NE		NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
	BT5	NE		NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
	BT6	SE		NO	RAMPS ARE COMPLIANT AND NEW REPLACEMENTS WILL NOT PROVIDE AN IMPROVEMENT																						
STOWER LANE	BS1	NE	48	NO	82.96		48.45	30.13	0.56		68.03	32.12			11.65												
	BS2	SE		NO	75.01	25.54		16.09	0.30		47.88	48.49	17.42														
REPUBLIC STREET	BR1	SW	49-51	NO	79.12		22.87	1.78	0.04		58.08	22.62			7.66												
	BR2	NW		NO	191.38		14.91	39.39	0.73		94.89	102.27			5.32												
	BR3	NE		NO	83.82		13.76	21.30	0.40		127.25	12.07			4.67												
	BR4	SE		NO	146.37	16.35	13.12	5.72	0.11		99.30	73.33			3.96	14.53											
WESTWIND DRIVE	BQ1	SW	52	NO	221.69		59.79	97.55	1.81		103.85	66.83			43.95	1						1	1	1	1		
	BQ2	NW		YES*	REPLACEMENT WILL NOT PROVIDE AN IMPROVEMENT DUE TO SLOPES																						
	BQ3	NW		NO	173.26		28.27				109.66	63.48			12.71	1					1	1			1		
	BQ4	NE		NO	40.00		8.37				91.26																
	BQ5	NE		NO	62.19		15.30				101.48																
	BQ6	SE		NO	218.47		14.36	114.08	2.12	4.03	72.52	192.62			1.78	1								1	1	1	
GALLUP AVENUE	BP1	SW	53	YES*	NO WORK DUE TO RIGHT-OF-WAY																						
	BP2	NW		NO	57.32		28.33	36.68	0.68		84.76	31.04			9.00												
	BP3	NW		YES*	45.40		9.43				65.62	25.39			9.00												
	BP4	NE		NO			10.00																				
	BP5	NE		YES*	NO WORK DUE TO RIGHT-OF-WAY																						
	BP6	SE		YES*	37.91		10.44	5.13	0.10		50.73				3.42												
SIMPSON AVENUE	BO1	NE	54	NO	31.24		12.89				71.52																
	BO2	SE		NO	82.94	21.95		4.72	0.09		90.23	71.08			6.78	15.00											
CLINE STREET	BN1	SW	55	NO	167.17		28.07	94.06	1.75	17.13	86.99	47.12			19.15												
	BN2	NW		YES*	97.49		12.07	37.27	0.70		112.85	21.99															
WARD AVENUE	BM1	NE	56	NO	104.04		26.69	7.86	0.15		85.67	48.99			14.08	9.21											
	BM2	SE		YES*	NO WORK DUE TO RIGHT-OF-WAY																						
EAST WILLARD AVENUE	BL1	NE	57	NO	127.80	11.92		22.46	0.42		49.52	80.00	2.95														
	BL2	SE		NO	80.83	11.61					68.59	20.00															
WILLIAMS AVENUE	BK1	NE	58	NO	106.46	16.93		22.71	0.43		46.55	68.03	9.69														
	BK2	SE		YES*	64.55	13.80		10.44	0.20		39.85	36.00	6.42														
UNION STREET	BJ1	SW	59	NO	64.73						48.39	20.83															
	BJ2	NW		YES*	NO WORK DUE TO RIGHT-OF-WAY																						
MILAN AVENUE	BI1	NW	60	YES*	NO WORK DUE TO RIGHT-OF-WAY AND ALIGNMENT ISSUES																						
	BI2	SE		YES*	NO WORK DUE TO RIGHT-OF-WAY AND ALIGNMENT ISSUES																						
	BI3	SW		YES*	NO WORK DUE TO RIGHT-OF-WAY AND ALIGNMENT ISSUES																						
LEE AVENUE	BH1	SE	61	NO	71.64		14.88	7.80	0.15		74.91	20.00			5.06												
	BH2	SW		YES*	74.64		9.21	5.96	0.12		66.23	20.00			3.25												
CLINE STREET	BG1	NW	62	NO	188.64		16.81	25.12	0.47		107.64	111.58			5.30												
	BG2	NE		NO	119.03		11.57	13.25	0.25		95.56	41.84															
MARSHALL STREET	BF1	NW	63	YES*	74.88		8.57	5.33	0.10		91.87	16.00															
	BF2	NE		NO	80.91		8.65	6.76	0.13		76.78	20.00															
	BF3	SE		YES*	97.76		9.73	8.52	0.16		77.64	52.00															
	BF4	SW		YES*	92.16		8.66	17.04	0.32		67.86	47.69															
WOOSTER STREET	BE1	NW	64	YES*	17.56		7.20	3.46	0.07	3.26	35.64			1.40													
	BE2	NE		YES*	73.23		9.75	4.69	0.09	2.61	45.00	40.00		3.27													
	BE3	SE		YES*	96.07		9.00	3.94	0.08		58.94	42.50		1.80	9.50												
	BE4	SW		YES*	77.06		9.26				82.98	20.00															
NORTH FOSTER STREET	BD1	NW	65	YES*	80.85		9.47				82.01	28.00															
	BD2	NE		YES*	75.83		8.41				74.95	28.00															
	BD3	SE		YES*	159.66		9.25				67.46	120.00															
	BD4	SW		YES*	141.87		9.20				66.74	100.00															
TOTAL CARRIED TO SUB SUMMARY - SHEET 12					4103	119	543	762	15	32	3169	1918	37	0	180	49	3	1	0	0	5	1	1	1	2	2	3

US 250 PEDESTRIAN FACILITY SUBSUMMARY

DESIGN AGENCY



DESIGNER

SHT

REVIEWER
EAF 01/03/25

PROJECT ID

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	202			659		252	608		609				625	630				632						
INTERSECTION	LOCATION CODE	DESCRIPTOR			WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	TOPSOIL, AS PER PLAN	FULL DEPTH PAVEMENT SAWING	CURB RAMP	4" CONCRETE WALK	CURB, TYPE 6	CURB, TYPE 6, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 2-A, AS PER PLAN	GROUND ROD	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DISPOSAL	SIGN. FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	ACCESSIBLE PEDESTRIAN PUSHBUTTON	PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN	PEDESTAL FOUNDATION, AS PER PLAN		
* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	
NORTH PROSPECT STREET	BC1	NW	66	NO	83.47		9.11					92.33	20.00															
	BC2	NE		NO	73.21		9.22	2.24	0.05		77.77	20.00																
	BC3	NE		NO	88.59		10.22				94.16	25.00																
	BC4	SE		YES*	57.47		13.52				81.09	25.00																
	BC5	SE		YES*	57.47		9.61	2.20	0.05		54.04	5.50			7.61													
	BC6	SW		YES*	57.64		4.42				82.26																	
LEAGUE STREET	BB1	SW	67	YES*			9.99				70.00																	
	BB2	SW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	BB3	NW		NO	197.01		22.18	22.70	0.43		102.90	138.17				9.67												
	BB4	NW		NO	100.00		10.03				149.47	25.00																
	BB5	NE		NO	104.96		10.03				140.16	50.00					23.25											
	BB6	NE		NO	157.27		21.15	37.09	0.69		89.70	105.78				10.88												
	BB7	SE		YES*	66.94		18.20				74.24	23.56				5.76												
	BB8	SE		NO	91.66		16.94				148.14	20.00					4.00											
FRANKLIN STREET	BA1	NE	68	YES*	156.67		13.33				89.77	89.40				4.43												
	BA2	SE		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
RITE AID AND DISCOUNT DRUG MART	AZ1	SW	69	NO	89.23	10.00					75.75	25.00																
	AZ2	SW		NO	106.59	10.31					70.44	50.00																
	AZ3	NW		NO	124.65	10.31					56.62	75.00																
	AZ4	NW		NO	88.50	9.98					73.34	25.00																
	AZ5	NE		NO	86.49	11.33		8.75	0.17		70.52	25.00	4.67															
	AZ6	NE		NO	97.83	12.18					81.54	25.00																
	AZ7	SE		NO	75.08	12.99		3.29	0.07		82.35		1.72															
	AZ8	SE		NO	83.72	10.18					68.85	25.00																
OHIO STREET	AY1	SW	70	NO	110.67	21.77					86.57	29.18	7.10				13.36											
	AY2	NW		NO	66.64	10.85					76.50																	
	AY3	NE		NO	70.30	12.26					81.77																	
	AY4	SE		NO	85.36	18.39		10.66	0.20		80.43		7.67															
RAILROAD STREET	AX1	NE	71	YES*	113.34	19.28		8.88	0.17		69.80	38.73	11.02															
	AX2	SE		YES*	201.00		34.35				109.34	122.96				22.48												
MAYOR'S OFFICE	AW1	-	72	YES*	NO WORK - NOT A CURB RAMP																							
MONROE STREET	AV1	SW	73	YES*	NO WORK - CANNOT IMPROVE																							
	AV2	NW		YES*																								
	AV3	NE		YES*																								
	AV4	SE		YES*																								
SEMINARY STREET	AU1	SW	74	YES*	NO WORK - CANNOT IMPROVE																							
	AU2	NW		YES*																								
	AU3	NE		YES*																								
	AU4	SE		YES*																								
WATER STREET	AT1	SW	75	NO	62.16						62.16																	
	AT2	SW		NO	49.71						49.71																	
	AT3	NW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	AT4	NW		YES*	NO WORK - CANNOT IMPROVE																							
	AT5	NE		YES*																								
	AT6	SE		NO	22.16							22.16																
	AT7	SE		NO	22.16							22.16																
	AT8	SE		NO	85.00							60.83	24.17															
NORWOOD AVENUE AND SUMMIT STREET	AS1	SW	76	NO	88.10	11.41					83.60																	
	AS2	SW		NO	76.19	17.41					71.69						1	4	4	1				1	1	1	1	
	AS3	NW		YES*	NO WORK DUE TO RIGHT-OF-WAY																							
	AS4	NE		NO	109.08	11.45		12.96	0.24		72.40	25.00	2.07															
	AS5	SE		NO	106.04	9.82		7.85	0.15		69.21	35.58																
	AS6	SE		NO	95.24	12.68					58.97	34.21	1.45															
HICKORY STREET	AR1	NE	77	NO	56.40	7.50					66.38	25.42																
	AR2	SE		NO	79.59	10.00					69.04	25.00																
TOTAL CARRIED TO SUB SUMMARY - SHEET 12					3544	251	213	117	3	0	3139	1158	36	0	61	41	1	4	4	1	0	0	0	1	1	1	1	

HUR-250/61-0.75/VAR

MODEL: Sheet 3 PAPER: 34x22 (in.) DATE: 4/7/2025 TIME: 8:10:26 PM USER: thomas P:\23075 ODOT D3-D12 GES\11727\Task 10 - HUR-Us250-00.75 Norwalk Curb Ramps - PID 107782\107782\400-Engineering\Roadway\Sheets\107782_G5001.dgn

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	202					659		252	608		609				625	630					632																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
INTERSECTION	LOCATION CODE	DESCRIPTOR			WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	TOPSOIL, AS PER PLAN	FULL DEPTH PAVEMENT SAWING	CURB RAMP	4" CONCRETE WALK	CURB, TYPE 6	CURB, TYPE 6, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 2-A, AS PER PLAN	GROUND ROD	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DISPOSAL	SIGN. FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	ACCESSIBLE PEDESTRIAN PUSHBUTTON	PEDESTAL, MISC.: REUDE OF PEDESTRIAN PEDESTAL	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN	PEDESTAL FOUNDATION, AS PER PLAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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US 250 PEDESTRIAN FACILITY SUBSUMMARY

DESIGN AGENCY



CHAGRIN VALLEY
ENGINEERING, LTD.

DESIGNER

SHT

REVIEWER

EAF 01/03/25

PROJECT ID

107782

SUBSET TOTAL

P.11 92

SHEET TOTAL

P.55 147

LOCATION			SUBSET SHEET NUMBER	WAIVER REQUESTED	202			659		252	608		609				625	630				632							
INTERSECTION	LOCATION CODE	DESCRIPTOR			WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	TOPSOIL, AS PER PLAN	FULL DEPTH PAVEMENT SAWING	CURB RAMP	4" CONCRETE WALK	CURB, TYPE 6	CURB, TYPE 6, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 2-A, AS PER PLAN	GROUND ROD	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DISPOSAL	SIGN. FLAT SHEET	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	ACCESSIBLE PEDESTRIAN PUSHBUTTON	PEDESTAL, MISC.: REUSE OF PEDESTRIAN PEDESTAL	REUSE OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	REUSE OF PEDESTRIAN PUSHBUTTON, AS PER PLAN	PEDESTAL FOUNDATION, AS PER PLAN			
					SF	FT	FT	AREA (SF)	CY	FT	SF	SF	FT	FT	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH		
					* - WHEN IN THE WAIVER COLUMN, MEANS TO SEE GENERAL NOTES OR PLAN SHEET FOR RAMP ID NUMBER (ALTERATION WAIVER)																								
					SUBTOTALS FROM SHEET 6				1438	173	124	97	2	0	1200	636	42	83	22	0	0	0	0	0	0	0	0	0	0
					SUBTOTALS FROM SHEET 7				5130	756	163	259	5	0	3515	2235	243	109	48	21	0	0	0	0	0	0	0	0	0
					SUBTOTALS FROM SHEET 8				1669	224	14	232	5	0	1021	715	74	0	7	82	1	1	0	0	0	0	1	1	1
					SUBTOTALS FROM SHEET 9				4103	119	543	762	15	32	3169	1918	37	0	180	49	3	1	0	0	5	1	1	2	3
					SUBTOTALS FROM SHEET 10				3544	251	213	117	3	0	3139	1158	36	0	61	41	1	4	4	1	0	0	1	1	1
					SUBTOTALS FROM SHEET 11				5608	452	219	363	7	0	4324	1800	82	0	58	82	5	0	0	0	0	1	1	4	5
TOTAL CARRIED TO GENERAL SUMMARY				21492	1975	1276	1830	37	32	16368	8462	514	192	376	275	10	6	4	1	5	2	2	6	8	10				