

**ITEM 630 - SIGN, FLAT SHEET:**

**ITEM 630 GROUND MOUNTED SUPPORT, NO. 2 POST:**

THESE ITEMS SHALL BE USED TO PLACE NEW STRUCTURE IDENTIFICATION SIGNS AT THE FOLLOWING STRUCTURES:

DEL-36-26.37

EACH SIGN SHALL BE ATTACHED TO THE CONCRETE PARAPET WITH CONCRETE ANCHORS AT THE RIGHT REAR LOCATION. IF THE BRIDGE DOES NOT HAVE A CONCRETE PARAPET, THE SIGN SHALL BE POST MOUNTED TO ONE NEW NO. 2 POST AS PER STANDARD CONSTRUCTION DRAWING TC-41.20 (MOST CURRENT REVISION) USING TWO 5/16" ALUMINUM BOLTS 2 1/2" IN LENGTH. THE POST SHALL BE 7'-0" LONG.

SIGNS SHALL BE SIZED AS PER SIGN I-H25a AS GIVEN IN THE ODOT SIGN DESIGN MANUAL (MOST CURRENT VERSION). ALL INCIDENTALS WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 630 - SIGN, FLAT SHEET.



I-H25a

THE FOLLOWING ITEMS HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 630 SIGN, FLAT SHEET = 1.0 SQ. FT.  
ITEM 630 GROUND MOUNTED SUPPORT, NO. 2 POST = 7 FT.

**ITEM 644 - THERMOPLASTIC PAVEMENT MARKING:**

THE LOCATIONS, SIZES AND SHAPES OF PROPOSED AUXILIARY PAVEMENT MARKINGS WILL BE THE SAME AS EXISTING THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, SIZE AND SHAPE OF THESE EXISTING PAVEMENT MARKINGS BEFORE THE PAVEMENT PLANING AND RESURFACING OBLITERATES THEM. ANY PAVEMENT MARKING WHICH IS PLACED AT THE WRONG LOCATION SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

**DRIVEWAYS, SIDE ROADS, AND MAILBOX APPROACHES:**

QUANTITIES AND DETAILS HAVE BEEN PROVIDED FOR THE TREATMENT OF DRIVEWAYS, INTERSECTIONS, AND MAILBOX APPROACHES. THE CONTRACTOR SHALL EXPECT TO "PAVE BACK" ON ALL EXISTING SIDE ROADS AS LISTED AND DETAILED IN THE TYPICAL DETAIL SECTION OF THIS PLAN. ONLY EXISTING ASPHALT MAILBOXES SHALL RECEIVE PROPOSED ASPHALT TREATMENTS. QUANTITIES OF ITEM 617 COMPACTED AGGREGATE HAS BEEN PROVIDED IN THE PLANS TO ACCOMMODATE FOR NON-ASPHALT APPROACHES.

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**REVIEW OF DRAINAGE FACILITIES:**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE OF THE PROJECT BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL INSPECT ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING ALONG WITH PHOTOS BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED, AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS.

**PART-WIDTH CONSTRUCTION:**

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

**SURVEYING PARAMETERS:**

USE THE FOLLOWING VERTICAL POSITIONING AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

VERTICAL POSITIONING  
ORTHOMETRIC HEIGHT DATUM: NAVD 1988  
GEOID: GEOID 03  
HORIZONTAL POSITIONING  
REFERENCE FRAME: NAD 83 (CORS 96)  
ELLIPSOID: WGS84  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLAN (north)  
COMBINED SCALE FACTOR: 1.000057560

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

**ITEM 204 - PROOF ROLLING**

QUANTITIES OF PROOF ROLLING HAVE BEEN PROVIDED WITHIN THE PAVEMENT CALCULATIONS FOR THIS PROJECT. THE AMOUNT OF PROOF ROLLING TIME NEEDED IS ESTIMATED AT 1 HOUR PER 2,000 SQ. YD. OF SUBGRADE COMPACTION. THIS ESTIMATE MEETS ODOT ESTIMATED REQUIREMENTS FOR RECONSTRUCTION PROJECTS. ACTUAL PROOF ROLLING PERFORMED SHALL BE DETERMINED BY MEETING THE REQUIREMENTS OF SS878 AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE PAID FOR ACTUAL "AUTHORIZED" PROOF ROLLING PERFORMED.

**A.D.A. RAMPS:**

A.D.A. RAMPS ARE BEING CONSTRUCTED AS PART OF THIS PLAN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING OR OPERATING AROUND EXISTING A.D.A. COMPLIANT RAMPS. IF THE CONTRACTOR DAMAGES ANY EXISTING A.D.A. CURB RAMPS OR RENDERS AN EXISTING A.D.A. COMPLIANT RAMP TO BE NON-COMPLIANT AS A RESULT OF NEGLIGENCE OR INADEQUATE CONSTRUCTION PRACTICE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF THE DEFICIENCY AT THE CONTRACTORS EXPENSE. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, FULL REMOVAL AND REPLACEMENT OF THE RAMP, MILLING AND RESURFACING, ETC. NO EXCEPTIONS WILL BE GRANTED.

**UTILITIES:**

THE ODOT CONTRACTOR IS REQUIRED TO CONTACT OUPS A MINIMUM OF 48 HOURS EXCLUDING WEEKENDS AND HOLIDAYS TO PERMIT ALL UNDERGROUND UTILITIES AN OPPORTUNITY TO MARK THEIR LINES. IT IS ALSO THE ODOT CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL NON-MEMBERS OF OUPS DIRECTLY A MINIMUM OF 48 HOURS NOTICE EXCLUDING WEEKENDS AND HOLIDAYS TO PROVIDE THEM WITH THE SAME OPPORTUNITY.

IT IS ODOT'S EXPECTATION THAT ALL GUARD RAIL POSTS WILL BE INSTALLED IN THE SAME LOCATIONS AND THERE WILL BE NO DISRUPTION TO UNDERGROUND UTILITIES. IF THERE IS A UTILITY MARKING WITHIN THE TOLERANCE ZONE OF A UTILITY LOCATE FROM THE PROPOSED GUARDRAIL PLACEMENT IT IS THE ODOT CONTRACTORS RESPONSIBILITY TO DIRECTLY CONTACT THE IMPACTED UTILITY AND WORK WITH THEM TO FIND A SOLUTION THAT DOES NOT CHANGE THE GUARDRAIL PLACEMENT OR DAMAGE THE EXISTING UTILITY. NO UTILITY RELOCATION WILL BE REIMBURSED NOR WILL DELAY CLAIMS BE PERMISSIBLE BASED ON LACK OF COORDINATION BETWEEN THE ODOT CONTRACTOR AND THE IMPACTED UTILITY.

OHIO UTILITY PROTECTION SERVICE 1-800-362-2764  
PRODUCERS UNDERGROUND PROTECTION SERVICE 1-614-587-0486  
NON-MEMBERS MUST BE CALLED DIRECTLY.

**GRADING AND EROSION CONTROL:**

AREAS DISTURBED BY GUARDRAIL ACTIVITIES AND AREAS WHERE EMBANKMENT HAVE BEEN PLACED SHALL BE REPAIRED. THE REPAIR QUANTITIES ARE SHOWN ON THE EARTHWORK AND EROSION CONTROL SUBSUMMARY SHEET 58.

**PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS:**

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.

ITEM 301, ASPHALT CONCRETE BASE, PG64-22, 9.0" 52 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 9 INCHES AND A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

SEE SHEET 37 FOR DETAIL.

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GENERAL NOTES

DEL-36-25.61

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7-9	12-15	18	38	41	44	59	85	86-88	89-90	01/STR/PV	02/STR/CV						
<b>DRAINAGE (CONT.)</b>																	
								2		2		611	99574	2	EACH	MANHOLE, NO. 3	
								1		1		611	99660	1	EACH	MANHOLE RECONSTRUCTED TO GRADE	
								4		4		611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
							4			4		611	99720	4	EACH	INSPECTION WELL	
<b>PAVEMENT</b>																	
30										30		251	01041	30	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN	7
					10,391					10,391		254	01000	10,391	SY	PAVEMENT PLANING, ASPHALT CONCRETE 1.50"	
					1,794					1,794		254	01000	1,794	SY	PAVEMENT PLANING, ASPHALT CONCRETE 3.25"	
					5,336					5,336		254	01000	5,336	SY	PAVEMENT PLANING, ASPHALT CONCRETE 6.50" MAX. (VAR.)	
					4,101					4,101		255	20000	4,101	FT	FULL DEPTH PAVEMENT SAWING	
52										52		301	46000	52	CY	ASPHALT CONCRETE BASE, PG64-22 9.0"	
					424					424		301	46000	424	CY	ASPHALT CONCRETE BASE, PG64-22 3.0"	
					899					899		301	46000	899	CY	ASPHALT CONCRETE BASE, PG64-226.0"	
					1,274					1,274		304	20001	1,274	CY	AGGREGATE BASE, AS PER PLAN 6.0* - 9.0*	9
					2,977					2,977		407	20000	2,977	GAL	NON-TRACKING TACK COAT	
	60									60		411	10001	60	CY	STABILIZED CRUSHED AGGREGATE, AS PER PLAN	15
					911					911		441	10000	911	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22 1.5*	
					557					557		441	10200	557	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446) 1.75*	
	10									10		441	10201	10	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN	15
					435					435		452	12010	435	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P 1.75*	
					132					132		617	10100	132	CY	COMPACTED AGGREGATE	
5										5		617	25000	5	MGAL	WATER	
					1.9					1.9		618	41000	1.9	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
					0.95					0.95		618	43000	0.95	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
					1,128					1,128		SPECIAL	69012060	1,128	SY	PAVEMENT OVERLAY FABRIC COMPOSITE	10
					5,166					5,166		874	20000	5,166	FT	LONGITUDINAL JOINT PREPARATION	
<b>TRAFFIC CONTROL</b>																	
										127		621	00100	127	EACH	RPM	
										127		621	54000	127	EACH	RAISED PAVEMENT MARKER REMOVED	
										10		626	00110	10	EACH	BARRIER REFLECTOR, TYPE 2	
7			10							84		630	02100	84	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
										110		630	03100	110	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
										15		630	08520	15	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
										6		630	08600	6	EACH	SIGN POST REFLECTOR	
1										97.96		630	80100	97.96	SF	SIGN, FLAT SHEET	
										6		630	80500	6	EACH	SIGN, DOUBLE FACED, STREET NAME	
										26		630	84900	26	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
										13		630	86002	13	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
										3		630	86272	3	EACH	REMOVAL OF GROUND MOUNTED PIPE SUPPORT AND DISPOSAL	
			1.13							1.13		642	30030	1.13	MILE	REMOVAL OF PAVEMENT MARKING	
										1.87		644	00104	1.87	MILE	EDGE LINE, 6"	
										1.13		644	00300	1.13	MILE	CENTER LINE	
										591		644	00400	591	FT	CHANNELIZING LINE, 8"	
										152		644	00500	152	FT	STOP LINE	
										469		644	00600	469	FT	CROSSWALK LINE	
										6		644	01300	6	EACH	LANE ARROW	
										99		625	25400	99	FT	CONDUIT, 2", 725.04	
										88		625	25500	88	FT	CONDUIT, 3", 725.04	
										12		625	25600	12	FT	CONDUIT, 4", 725.04	
										125		625	29000	125	FT	TRENCH	
										1		625	30706	1	EACH	PULL BOX, 725.08, 24"	
										5		625	32000	5	EACH	GROUND ROD	
										1		625	34000	1	EACH	POWER SERVICE	
										8		632	05007	8	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	106
										2		632	05087	2	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	106
										8		632	20731	8	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	106
										10		632	25000	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
										7		632	25010	7	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	

**GENERAL SUMMARY**

**DEL -36 - 25 .61**