

ITEM 623, CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS.

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

PROJECT CONTROL

POSITIONING METHOD: STATIC GNSS
 MONUMENT TYPE: B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
 GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
 ELLIPSOID: GRS80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO SPS, SOUTH
 COMBINED SCALE FACTOR: 0.99991355
 ORIGIN OF COORD SYSTEM: (0,0)

UNITS ARE IN U.S. SURVEY FEET.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

CONTROL POINTS

ID	NORTHING	EASTING	ELEV.
SV1	548070.1893	2268753.061	686.968
SV2	547978.0336	2269216.364	666.842
SV3	548140.0365	2271282.445	633.249
SV4	548329.6822	2271666.425	635.756
SV5	550139.7569	2271154.886	630.448
SV6	550456.5405	2271401.845	628.01
SV7	552308.5746	2272832.269	625.414
SV8	552678.5351	2273034.449	623.726
SV9	554889.1001	2273689.611	647.076
SV10	555894.8561	2275409.296	641.971
SV11	555903.0355	2275815.716	651.249
SV12	556921.2021	2277668.887	639.868
SV13	557331.8711	2277628.921	642.559
SV14	560015.6274	2279908.952	712.864
SV15	562187.8387	2280354.506	775.142
SV16	562611.4087	2280272.524	770.06
SV17	565020.2515	2279352.574	841.992
SV18	565375.0517	2279331.331	859.115
SV19	568107.5723	2279295.31	793.176
SV20	570255.6341	2279997.295	667.489
SV21	570486.3988	2279489.039	652.474
SV22	570340.8417	2278693.51	647.43
SV23	570534.6132	2277849.203	653.148
SV24	570658.994	2277018.106	651.804
SV25	570799.0083	2276195.832	649.316
SV26	570950.1288	2275343.679	662.637
SV27	570636.5135	2274570.41	689.139
SV28	570871.6419	2273637.609	679.745
SV29	571661.9723	2273525.298	650.635
SV30	572047.9339	2273377.633	660.882
SV101	554440.3563	2273664.322	643.313
SV102	559744.91	2279596.243	694.006
SV103	567712.9013	2279477.482	790.382
SV200	547825.1989	2269967.278	649.366
SV201	547846.8677	2270679.76	638.526
SV202	548695.2885	2271936.049	649.039
SV203	549033.7735	2271809.566	653.516
SV204	549435.0973	2271183.696	638.384
SV205	551062.4374	2271918.241	624.39
SV206	551698.0602	2272421.744	623.664
SV207	553560.056	2273477.262	627.882
SV208	555435.8187	2273819.582	638.362
SV209	555844.1265	2274471.345	628.142
SV210	556104.2283	2276600.208	650.573
SV211	556374.8735	2277396.264	658.903
SV212	558164.6757	2277578.275	652.14
SV213	558684.7063	2278207.922	658.5
SV214	559289.2893	2278925.18	674.255
SV215	560744.7468	2280434.771	753.82
SV216	561422.9247	2280506.428	779.514
SV217	563545.0017	2280002.07	777.734
SV218	564333.2008	2279633.124	809.018
SV219	566619.6998	2279693.734	817.639
SV220	567258.8136	2279646.386	805.436
SV221	568723.2933	2279410.325	761.607
SV222	569227.8815	2280096.174	713.628
SV223	570476.3279	2279778.605	651.851
SV224	570418.7886	2279094.254	647.623
SV225	570421.3597	2278297.528	646.71
SV226	570602.3864	2277436.082	656.378
SV227	570704.0845	2276621.652	647.891
SV228	570844.6463	2275805.136	650.034
SV229	570762.745	2274989.041	692.866
SV230	570731.9633	2274183.832	688.528
SV231	571270.1438	2273597.988	669.818

WHEN STATIONING A RESURFACING PROJECT FOR QUANTITY CONTROL, THE REFERENCE IN 623.02 TO A REGISTERED PROFESSIONAL ENGINEER OR REGISTERED PROFESSIONAL SURVEYOR SHALL BE WAIVED. THE STAKES MAY BE PLACED BY THE CONTRACTOR'S PERSONNEL USING A MEASURING WHEEL.

ALL CONSTRUCTION LAYOUT WORK THAT IS NOT CONSIDERED THE RESURFACING PORTION OF THE PROJECT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR PROFESSIONAL SURVEYOR AS DEFINED IN C&MS 623.

CNTY	RT	SEC	SFN	EXISTING SURFACE	PROPOSED TREATMENT
WAS	821	4.85	8405352	Asphalt	Mill surface 1.5" and pave surface 1.5"
WAS	821	5.75	8405379	Asphalt	Mill surface 1.5" and pave surface 1.5"
WAS	821	6.56	8405409	Concrete	Pave to approach slabs (taper as needed to meet existing elevations), skip bridge and app. slabs
WAS	821	10.31	8405468	Asphalt	Pave to 100' before bridge joint and mill 50' each side of joint @ 400:1 (taper as needed to meet existing elevations) and remove surface 1.5" then repave 1.5"
WAS	821	11.06	8405522	Asphalt	Install 1" vertical extensions on joints and pave surface course 1.5"; Mill 0.5" Approach Slabs & Bridge wearing course

ITEM 253, PAVEMENT REPAIR, AS PER PLAN

PERFORM PARTIAL DEPTH PAVEMENT REPAIRS WHERE FAILING ASPHALT CONCRETE IS FOUND FOR A MINIMUM WIDTH OF 6' UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REMOVE ASPHALT USING C&MS ITEM 202 WEARING COURSE REMOVED TO THE TOP OF THE CONCRETE, AGGREGATE BASE, OR 12" MAX. THE REPLACEMENT MATERIAL SHALL CONFORM TO ITEM 301, ASPHALT CONCRETE BASE AND SHALL HAVE A MINIMUM LIFT THICKNESS OF 3" AND A MAXIMUM LIFT THICKNESS OF 6". REPAIR LOCATIONS SHALL BE DIRECTED BY THE ENGINEER.

APPROXIMATELY 29 LOCATIONS HAVE BEEN ESTIMATED FOR REPAIR ON WAS-821.

THE ESTIMATED NUMBER OF LOCATIONS FOR REPAIR IS FOR INFORMATION ONLY. THE FINAL NUMBER OF LOCATIONS SHALL BE DIRECTED BY THE ENGINEER.

SPLIT 1:
 WAS-821-4.44 TO 11.74: 80 CY
 QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 253, PAVEMENT REPAIR

PERFORM PARTIAL DEPTH PAVEMENT REPAIRS WHERE FAILING ASPHALT CONCRETE IS FOUND, IT SHALL BE REPAIRED WITH A DEPTH OF 3" AND A MINIMUM WIDTH OF 4' UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE REPLACEMENT MATERIAL SHALL CONFORM TO ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2. REPAIR LOCATIONS SHALL BE DIRECTED BY THE ENGINEER.

APPROXIMATELY 110 LOCATIONS HAVE BEEN ESTIMATED FOR REPAIR ON WAS-821.

THE ESTIMATED NUMBER OF LOCATIONS FOR REPAIR IS FOR INFORMATION ONLY. THE FINAL NUMBER OF LOCATIONS SHALL BE DIRECTED BY THE ENGINEER.

SPLIT 1:
 WAS-821-4.44 TO 11.74: 953 CY

QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ADA WAIVER

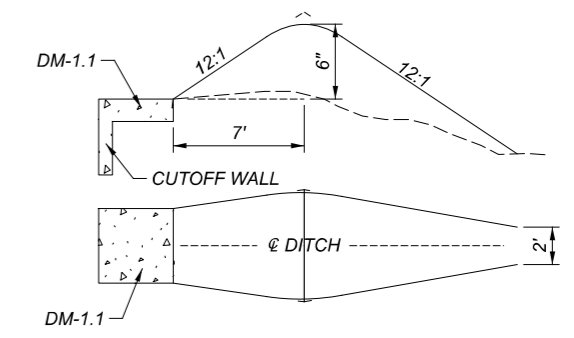
AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA FEATURE	APPROVAL DATE	C-R-S	SHEET #
RMP#0024952	8/23/23	WAS-821-10.44	27
RMP#0024954	8/23/23	WAS-821-10.44	27

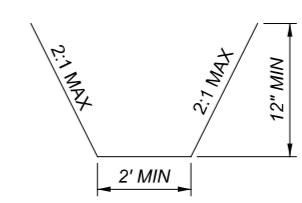
209 - DITCH CLEANOUT

REESTABLISH THE CROSS SECTION OF THE EXISTING DITCH AS DESCRIBED IN C&MS 209. USE EARTH DIKE AND DITCH TYPICALS AS SHOWN BELOW AT LOCATIONS SHOWN IN THIS PLAN.

EARTH DIKE TYPICAL



DITCH TYPICAL



ITEM 659 - SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

WORK LOCATION (STA.)	SEEDING AND MULCHING (SY)
354+62.54	305
356+94.89	630
358+00.18	260
440+47.91	345
459+87.57	380
506+61.93	245
525+15.41	100
528+40.17	150
532+36.55	240
534+78.45	190
570+39.86	130
WAS 821-4.44-6.55	9903

659, SEEDING AND MULCHING 12878 SQ. YD.

659, COMMERCIAL FERTILIZER 1.16 TON
 12878 SY X 9 X 20 LBS / 1000 SF / 2000 LBS

659, LIME 2.66 ACRES
 12878 SY X 1 ACRE / 4840 SY

659, WATER 70 M. GAL.
 12878 SY X 9 X 300 GAL / 1000 SF / 1000 GAL X 2

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

QUANTITIES CARRIED TO THE GENERAL SUMMARY

ITEM 516, VERTICAL EXTENSION OF STRUCTURAL EXPANSION JOINT

113' OF VERTICAL EXTENSION OF STRUCTURAL EXPANSION JOINT, (1" JOINT EXTENSION). QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY. INCLUDE ALL MATERIAL, EQUIPMENT AND LABOR TO COMPLETE THE VERTICAL EXTENSION AS DETAILED IN THIS PLAN AND PER C&MS 615.

