BENCHING OF FOUNDATION SLOPES

Although cross-sections indicate specific dimensions for proposed benching of the embankment foundations in certain areas, no waiver of the specifications is intended. Bench all other sloped embankment areas as set forth in 203.05. No additional payment will be made for benching required under the provisions of 203.05.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

When it is necessary to splice proposed guardrail to existing guardrail, only the existing guardrail shall be cut, drilled, or punched. The connection shall be made using a W-Beam, beam splice as shown in AASHTO M 80-12, except the beam washers are not to be used. Payment shall be included in the contract price for the respective guardrail items.

ENVIRONMENTAL COMMITMENTS

1. The project is located within the known habitat ranges of the federally-listed northern long-eared and Indiana bats, and the state-listed little brown and tricolored bats. The Contractor shall not remove trees under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. The Contractor shall demarcate clearing limits in the field to avoid any unauthorized tree clearing. This requirement is necessary to avoid and minimize impacts to these species as required by the Endangered Species Act. For the purposes of this note, a tree is defined as a live, dying, or dead woody plant, with a trunk three inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.

2. The following Section 4(f) measures to minimize harm will be added as project plan notes to address impacts to the Countryside YMCA Trail and Premier Health Atrium Medical Center Bike Park:
   - Partial closure of the Countryside YMCA Trail will be required, but access shall be maintained at all times.
   - Appropriate signage will be installed to alert users of construction activities on the Countryside YMCA Trail.
   - The staging and/or storage of construction equipment or materials shall not take place outside proposed construction limits that are within the defined boundaries of the 4(f) properties.
   - The contractor shall be required to closely coordinate the construction schedule with the City of Lebanon prior to the start of construction activities.
   - The entrance to the Premier Health Atrium Medical Center Bike Park shall be maintained at all times.
   - The shed located within the bike park boundary will not be disturbed.
   - Access to the trails and the parking lot within the bike park will be maintained at all times, except for the time needed to temporarily occupy the property. The duration of the temporary occupancy shall be less than 14 days.
   - Appropriate signage will be installed by the contractor at the park entrance to alert users of construction activities within the Premier Health Atrium Medical Center Bike Park.

3. The Contractor shall not perform any work within the jurisdictional boundaries of any waterway, including wetlands, until the necessary waterway permit(s) are obtained. This includes the placement of any temporary or permanent fills.

4. The Contractor shall provide the Project Engineer a Post-Construction Completion Certification Report, per OAC 3745-513-370, within 30 days of completion of the construction activities within 300 feet of the former City of Lebanon Municipal Landfill.

LANDFILL (3745-513) AUTHORIZATION

The City of Lebanon Municipal Landfill is located within the project limits from STA 1+50.00 to STA 3+06.50. The OEPA issued an Authorization under OAC 3745-513-01 (H) or (M) to work in the landfill. This Authorization is included in the special provisions. Adhere to all terms and conditions of the Authorization during construction. Determine appropriate personal protective equipment for those who conduct work within the limits of the landfill. Manage all excavated materials as a solid waste and dispose of at a licensed landfill. Provide completed log forms and manifests for transport and disposal to the Engineer for signature. The Contractor is responsible for any additional testing that the landfill may require for disposal.

If excavations within the landfill limits require dewatering for construction purposes, dewater, containerize, and dispose of waters by the method proscribed in the Authorization.

Backfill all excavated areas with suitable material in accordance with the OEPA Authorization, project plans, applicable ODOT specifications, or as directed by the Engineer Complete the certification report following guidance contained under OAC 3745-513-370 within 60 days for authorizations under OAC 3745-513-01 (H) and (M). Furnish all the labor, equipment, and materials necessary to properly manage, store (if necessary), test for disposal, transport, and dispose of regulated materials, including any required permits or fees within the identified limits. Payment for this work shall be made at the contract price bid. The following estimated quantity has been included in the General Summary:

690E65000	Work Involving Non-regulated Material	45 Ton
690E65010	Work Involving Solid Waste	45 Ton

For General Note Abbreviation information, see Sheet 6.

CALCULATED VG
CHECKED MJH

GENERAL NOTES

WAR-COUNTRYSIDE
YMCA TRAIL EXT.

SHEET NUM.											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	10	13	14	15	50	63	65	Office Calc		04/CMQ/OT		(X)		EXT	TOTAL			
																		ROADWAY	
											LS			201	11000	LS		CLEARING AND GRUBBING	
			1								1			202	98100	1	EACH	REMOVAL MISC.:FOOTBRIDGE	7
			351								351			202	23001	351	SY	PAVEMENT REMOVED, AS PER PLAN	7
			6,064								6,064			202	30000	6,064	SF	WALK REMOVED	
			42								42			202	32000	42	FT	CURB REMOVED	
			344								344			202	32500	344	FT	CURB AND GUTTER REMOVED	
			170								170			202	38000	170	FT	GUARDRAIL REMOVED	
			85								85			202	75000	85	FT	FENCE REMOVED	
			1								1			202	98100	1	EACH	REMOVAL MISC.: EXISTING POST	7
				2,041							2,041			203	10000	2,041	CY	EXCAVATION	
				2,954							2,954			203	20000	2,954	CY	EMBANKMENT	
				3,462							3,462			204	10000	3,462	SY	SUBGRADE COMPACTION	
				4							4			204	45000	4	HOUR	PROOF ROLLING	
			820								820			607	15100	820	FT	FENCE, TYPE 47RA	
			200								200			607	98000	200	FT	FENCE, MISC.: WOODEN FENCE	7
			173								173			608	10000	173	SF	4" CONCRETE WALK	
			3,158								3,158			608	52001	3,158	SF	CURB RAMP, AS PER PLAN	7
			32								32			608	53020	32	SF	DETECTABLE WARNING	
			518								518			609	12001	518	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	7
			26								26			609	26001	26	FT	CURB, TYPE 6, AS PER PLAN	7
	45										45			SPECIAL	69065000	45	TON	WORK INVOLVING NON-REGULATED MATERIALS	8
	45										45			SPECIAL	69065010	45	TON	WORK INVOLVING SOLID WASTE	8
											LS			878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																		EROSION CONTROL	
					48						48			601	32200	48	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
506					760						1,266			659	00300	1,266	CY	TOPSOIL	
12,000											12,000			659	10001	12,000	SY	SEEDING AND MULCHING, AS PER PLAN	7
1,200											1,200			659	14001	1,200	SY	REPAIR SEEDING AND MULCHING, AS PER PLAN	7
1.6											1.6			659	20000	1.6	TON	COMMERCIAL FERTILIZER	
65											65			659	35000	65	MGAL	WATER	
4,550											4,550			670	00500	4,550	SY	SLOPE EROSION PROTECTION	
			7								7			670	00710	7	SY	DITCH EROSION PROTECTION MAT, TYPE A	
LS											LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
											LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
											LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
									21,000		21,000			832	30000	21,000	EACH	EROSION CONTROL	
																		DRAINAGE	
					4.5						4.5			602	20000	4.5	CY	CONCRETE MASONRY	
					210						210			605	06000	210	FT	4" BASE PIPE UNDERDRAINS	4
					56						56			611	53006	56	FT	38" X 60" CONDUIT, TYPE D, 706.04	
			2								2			611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
																		DRAINAGE ALTERNATES	
					80						80		x	611	07900	80	FT	18" CONDUIT, TYPE D (GENERIC)(ALTERNATE 1)	
					44						44		x	611	10900	44	FT	24" CONDUIT, TYPE D (GENERIC)(ALTERNATE 1)	
					56						56		x	611	16900	56	FT	36" CONDUIT, TYPE D (GENERIC)(ALTERNATE 1)	
					80						80		x	611	07900	80	FT	18" CONDUIT, TYPE D (706.02)(ALTERNATE 2)	
					44						44		x	611	10900	44	FT	24" CONDUIT, TYPE D (706.02)(ALTERNATE 2)	
					56						56		x	611	16900	56	FT	36" CONDUIT, TYPE D (706.02)(ALTERNATE 2)	
																		PAVEMENT	
				609							609			301	46000	609	CY	ASPHALT CONCRETE BASE, PG64-22, 4"	
				30							30			301	46000	30	CY	ASPHALT CONCRETE BASE, PG64-22, 6"	
				577							577			304	20000	577	CY	AGGREGATE BASE	
				228							228			407	20000	228	GAL	NON-TRACKING TACK COAT	
				316							316			441	10000	316	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	
				116							116			452	11010	116	SY	7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	

CALCULATED VG
CHECKED MJH

GENERAL SUMMARY

WAR-COUNTRYSIDE
YMCA TRAIL EXT.

SHEET NUM.											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
7	8	10	13	14	15	50	63	65	Office Calc		04/CMQ/OT		(X)		EXT	TOTAL			SHEET NO.
																		WATER WORK	
			5								5			638	10801	5	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	7
																		TRAFFIC CONTROL	
						2					2			625	32000	2	EACH	GROUND ROD	
						256					256			630	03101	256	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	49
						2					2			630	08600	2	EACH	SIGN POST REFLECTOR	
						1					1			630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
						284					284			630	80100	284	SF	SIGN, FLAT SHEET	
						37					37			630	84900	37	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
						23					23			630	86002	23	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							1				1			630	87500	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
						2					2			630	97700	2	EACH	SIGNING, MISC.:RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	49
						310					310			630	97900	310	FT	SIGNING, MISC.: SIGN POST, 4"x4" WOODEN POST	49
						2					2			632	64020	2	EACH	PEDESTAL FOUNDATION	
						0.33					0.33			644	00300	0.33	MILE	CENTER LINE	
						164					164			644	00500	164	FT	STOP LINE	
						778					778			644	00601	778	FT	CROSSWALK LINE, AS PER PLAN	50
						16					16			644	01382	16	EACH	WORD ON PAVEMENT, 48"	
						4					4			644	01410	4	EACH	WORD ON PAVEMENT, 96"	
						4					4			644	01620	4	EACH	BIKE CROSSING SYMBOL	
						334					334			644	30000	334	FT	REMOVAL OF PAVEMENT MARKING	
						10					10			644	30020	10	EACH	REMOVAL OF PAVEMENT MARKING	
						15					15			SPECIAL	69050610	15	EACH	BOLLARD, HINGED	49
																		TRAFFIC SIGNALS	
							78	31			109			625	25408	109	FT	CONDUIT, 2", 725.051	
							69	27			96			625	29002	96	FT	TRENCH, 24" DEEP	
							1	1			2			625	31600	2	EACH	PULL BOX, MISC.:RELOCATE EXISTING PULL BOX	56
							3				3			625	31600	3	EACH	PULL BOX, MISC.:MODIFY EXISTING PULL BOX	56
							3	1			4			625	32000	4	EACH	GROUND ROD	
							69	27			96			625	36010	96	FT	UNDERGROUND WARNING/MARKING TAPE	
							4	2			6			632	20731	6	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	56
							4	2			6			632	25010	6	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
							2				2			632	26000	2	EACH	PEDESTRIAN PUSHBUTTON	
							2	2			4			632	26500	4	EACH	DETECTOR LOOP	
							522	343			865			632	40500	865	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
							3	1			4			632	64020	4	EACH	PEDESTAL FOUNDATION	
							160				160			632	65300	160	FT	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	
							3	1			4			632	89901	4	EACH	PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN	56
							2	2			4			632	90020	4	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEMREMOVAL OF EXISTING PUSHBUTTON AND STORAGE	56
							2	3			5			632	90020	5	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEMREMOVAL OF EXISTING DETECTOR LOOP	56
							1	1			2			633	99000	2	EACH	CONTROLLER ITEM, MISC.:MODIFY EXISTING CONTROLLER AND CABINET	56
																		MAINTENANCE OF TRAFFIC	
		32									32			614	11110	32	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		10									10			616	10000	10	MGAL	WATER	
																		INCIDENTALS	
						LS					LS			614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	9
						LS					LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
						LS					LS			624	10000	LS		MOBILIZATION	

CALCULATED VG
CHECKED MJH

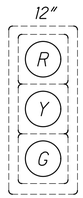
GENERAL SUMMARY

WAR-COUNTRYSIDE
YMCA TRAIL EXT.

Existing Signal Heads (To Remain)

Pedestrian Heads (LED), Countdown, Type D2

EH1,EH2



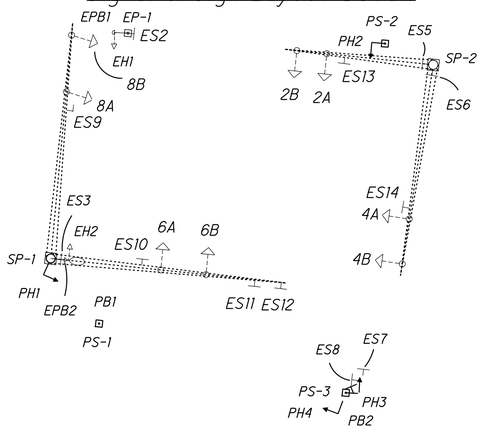
2A,2B,4A,4B, 6A,6B,8A,8B

Proposed Signal Heads

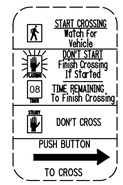
Pedestrian Heads (LED), Countdown, Type D2

PH1,PH2,PH3,PH4

Signal & Sign Layout Detail



Existing Signs (To Remove)



R10-3e-9R

2 - Right Arrow

ES1,ES4

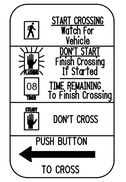
R9-3

ES6

Proposed Signs

R9-3

ES3,ES7,ES8



R10-3e-9L

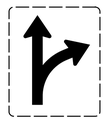
2 - Left Arrow

S1,S2

Existing Signs (To Remain)

R3-2

ES11



R3-6R

ES12

R9-3

ES2,ES5

Plan View

Traffic Signal Legend

	Proposed	Existing
3-Section Signal Head, 12"		
Pedestrian Signal Head		
Pushbutton		
Signal pole		
Pedestal		
Sign		
Traffic Pull Box		
Controller Cabinet With UPS		
Detector Loops		

Notes

1. Pole locations have been indicated as accurately as possible. In no case shall the clearance from face of curb to face of pole, sign or other proposed items be less than 3 ft. Top of pole foundations shall be flush with adjacent walk ways, if applicable.
2. Location of conduit runs shown on the drawing are approximate. Maintain 36" horizontal clearance from water and gas lines. Field adjust as needed.
3. All conduit shall be installed in open-cut trench.

99693-CP001

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD CHECKED MJH

TRAFFIC SIGNAL PLAN
DEERFIELD RD. & TURTLECREEK UNION RD.

WAR-COUNTRYSIDE
YMCA TRAIL EXT.