

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.

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SHEET NUM.											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED VG	CHECKED MJH
7	8	10	13	14	15	50	63	65	Office Calc		04/CMQ/OT	(X)	EXT	TOTAL							
											LS		201	11000	LS		ROADWAY				
			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				

GENERAL SUMMARY

WAR-COUNTRYSIDE YMCA TRAIL EXT.

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

GENERAL SUMMARY

**WAR-COUNTRYSIDE
YMCA TRAIL EXT.**

Existing Signal Heads
(To Remain)

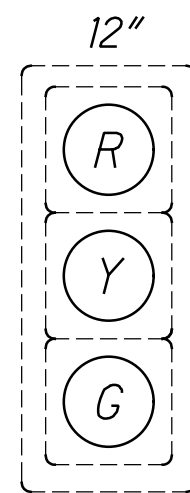
Proposed Signal Heads

Existing Signs
(To Remove)

Proposed Signs



Pedestrian Heads (LED, Countdown, Type D2)



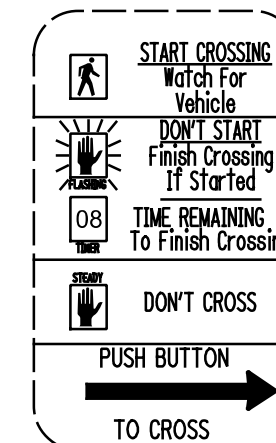
EHI,EH2

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



Pedestrian Heads (LED), Countdown, Type D2

PH1,PH2,PH3,PH4



R10-3e-9R

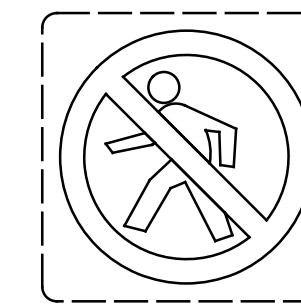
2 - Right Arrow

ES1,ES4



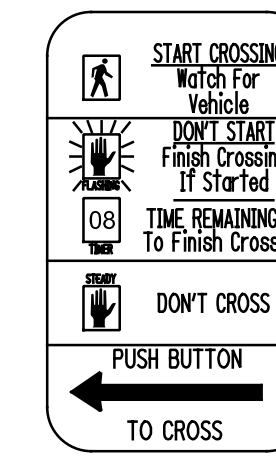
R9-3

ES6



R9-3

ES3,ES7,ES8

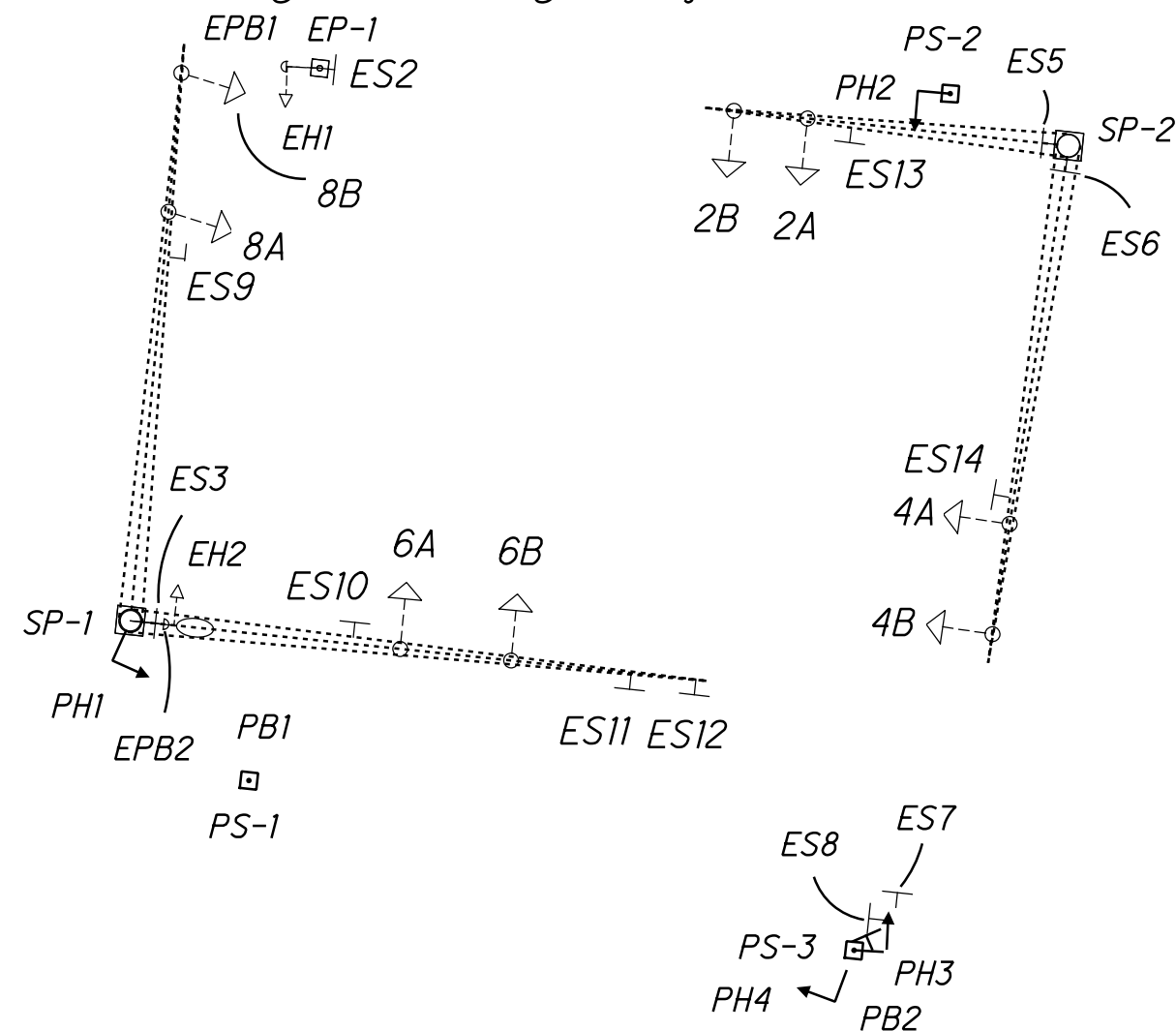


R10-3e-9L

2 - Left Arrow

S1,S2

Signal & Sign Layout Detail



Existing Signal Pole, SP-1
Add Pedestrian Signal Head, PH1
Remove Existing sign, ES3
Remove existing pushbutton, EPB2

Existing Pull Box, EB2
To Be Relocated

Relocated Pull Box, EB2
Sta. 78+01.1, 48.1' LT.

Existing Conduit
To Remain

Proposed 8' Pedestal, PS-1
Add Pushbutton, PB1
Sta. 77+98.1, 51.5' LT.

Proposed 2" PVC - 8'

Existing Conduit
To Be Removed

Proposed 2" PVC - 10'

Existing Pull Box, EB1
To Be Modified

Existing Controller
To Be Modified

Existing Conduit
To Remain

Existing Pull Box, EB3
To Remain

Existing Conduit
To Remain

Existing Pedestal, PS-2
With Existing Pedestrian Signal Head, EHI
Remove Existing Pushbutton, EPB1

Existing conduit
to remain

Proposed 8' Pedestal, PS-2
Add Pedestrian Signal Head, PH2
Sta. 78+79.5, 15.9' RT.

Proposed 2" PVC - 19'

Existing Signal Pole, SP-2
Remove Existing Sign, ES6

Existing Pull Box, EB5
To Be Modified

Existing Conduit
To Remain

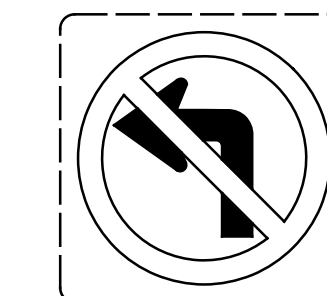
Existing Pull Box, EB4
To Be Modified

Existing Conduit
To Remain

Existing Utility Pole
Remove Existing Signs, ES7 & ES8

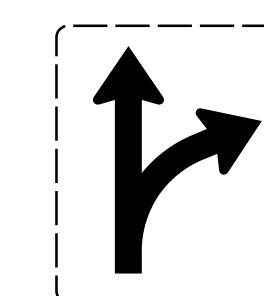
Proposed 8' Pedestal, PS-3
Add Pushbutton, PB2
Add Pedestrian Signal Heads, PH3 & PH4
Sta. 77+86.7, 15.2' RT.

Plan View



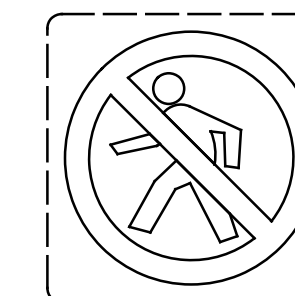
R3-2

ES11



R3-6R

ES12



R9-3

ES2,ES5

Existing Signs
(To Remain)

Traffic Signal Legend

	Proposed	Existing
3-Section Signal Head, 12"		o-->
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.