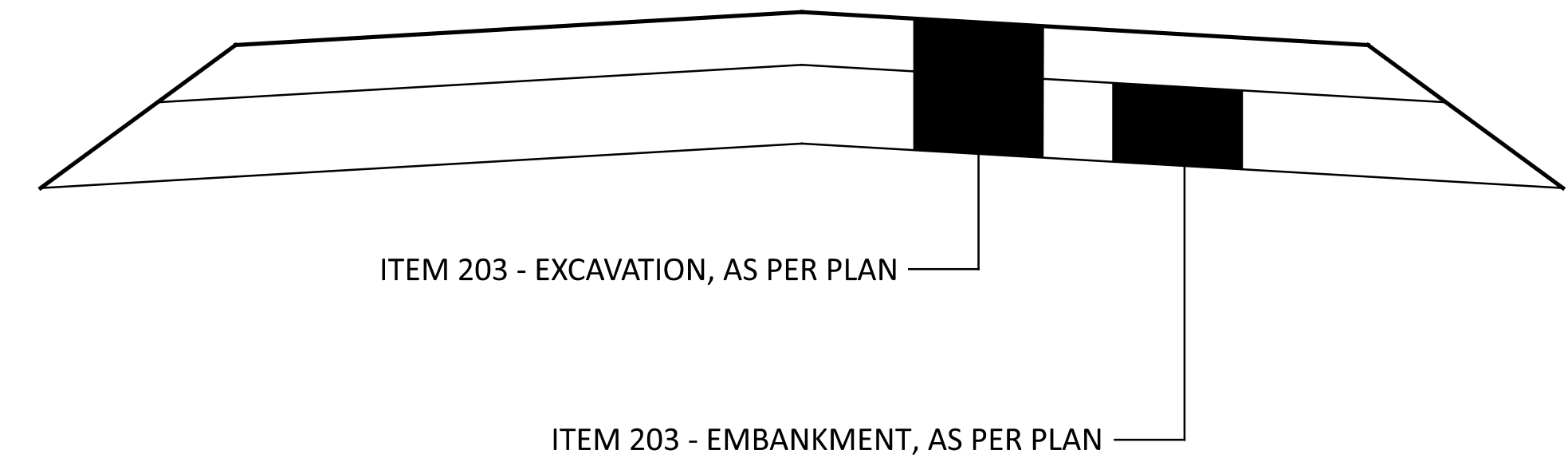
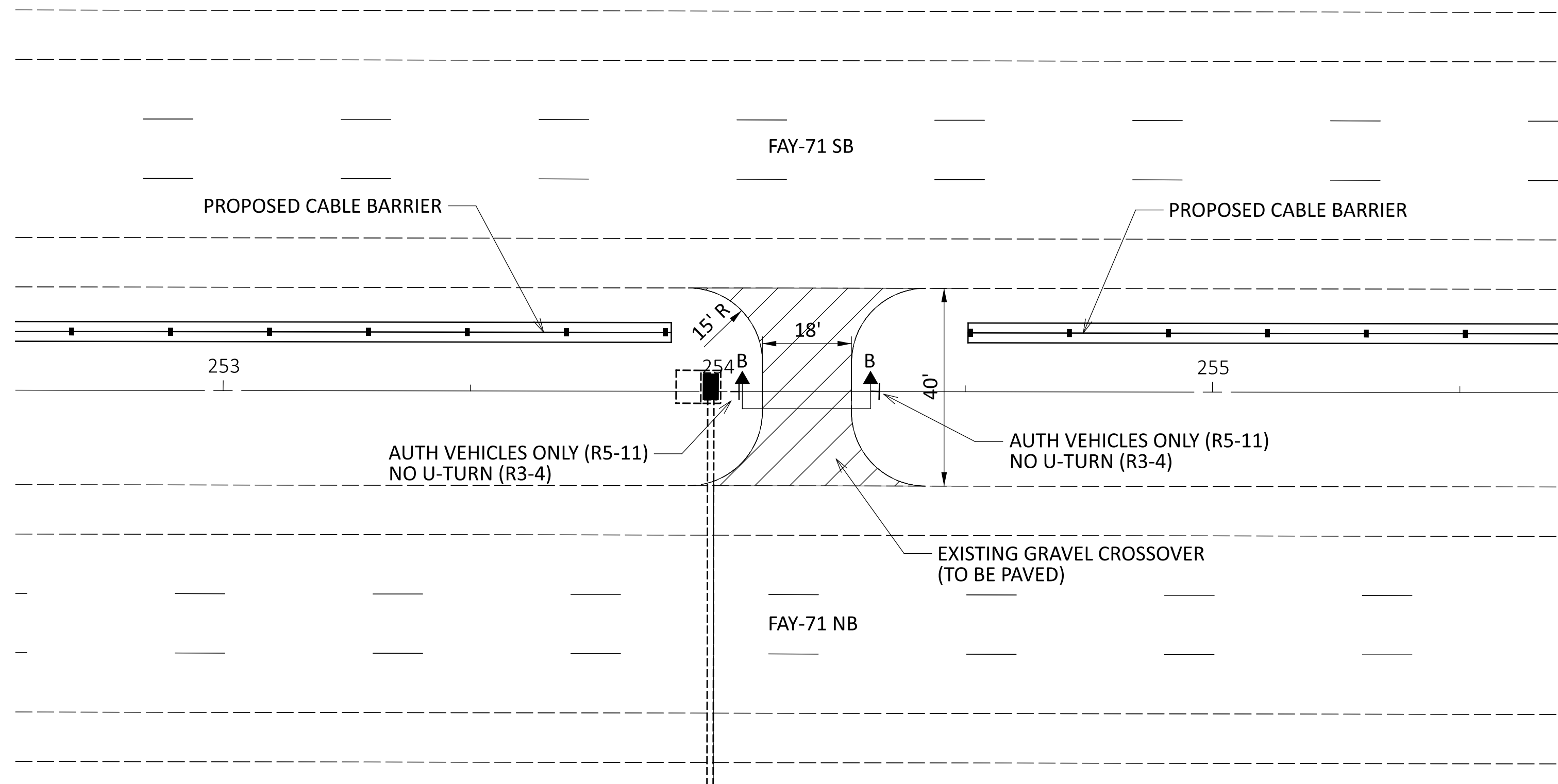


**MEDIAN CROSSOVER REMOVED, AS PER PLAN**

SEE GENERAL NOTES FOR MORE INFORMATION

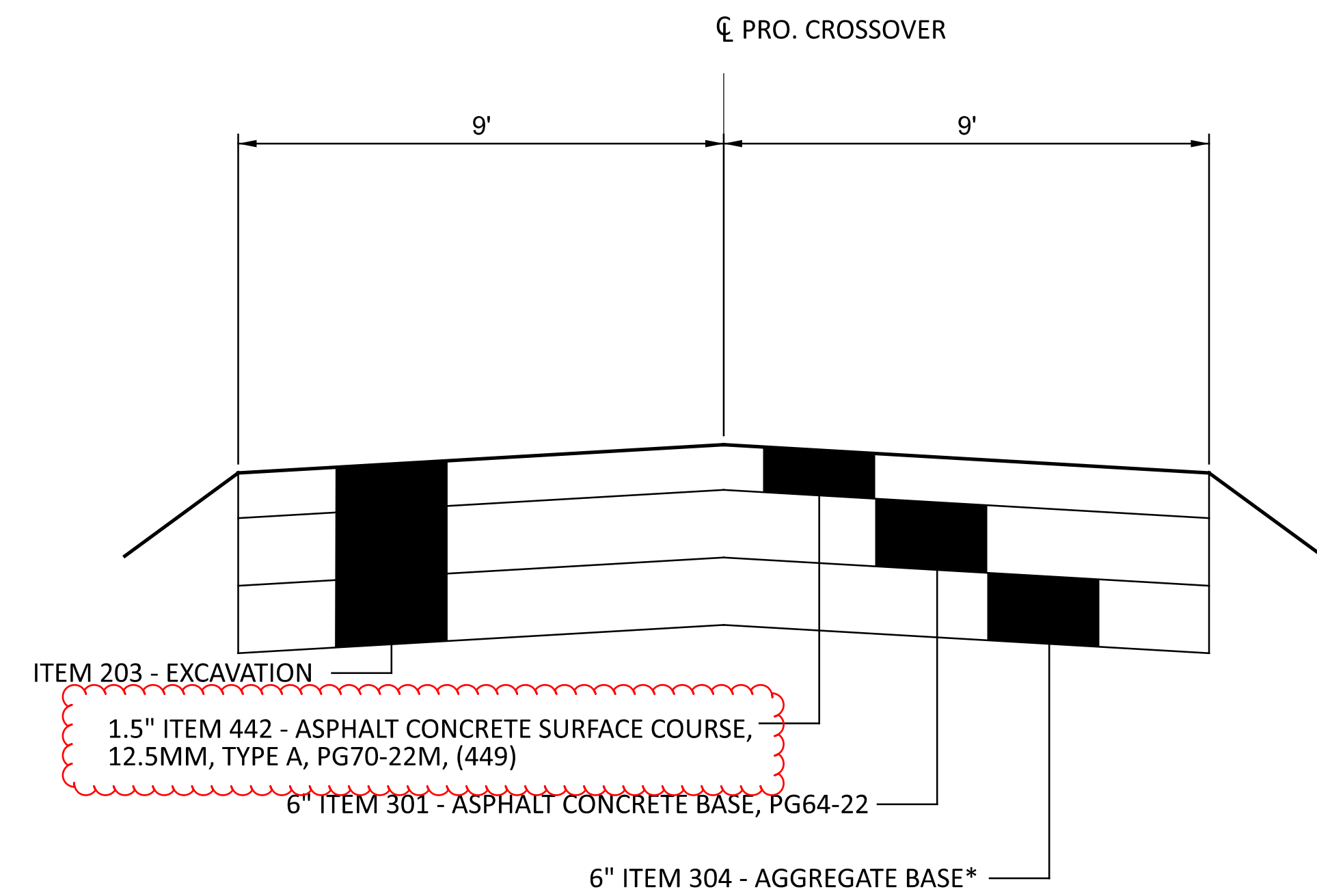


**A-A**



**MEDIAN CROSSOVER PAVED, AS PER PLAN**

SEE GENERAL NOTES FOR MORE INFORMATION



**B-B**

\*EXISTING 304 CAN REMAIN IF 6 INCHES BELOW EXISTING SURFACE.

NOTE: EXISTING PAVED CROSSOVERS ARE NOT TO BE RESURFACED WITH THIS PROJECT.  
 SLMs 0.01, 3.20, 4.58, 7.04, 8.92



**ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, PG70-22M, (447), PWL, AS PER PLAN:**

ALL REQUIREMENTS OF C&MS ITEM 442 APPLY EXCEPT AS SHOWN.

PG70-22M BINDER IS TO BE USED.

MAT DENSITY ACCEPTANCE - FOLLOW THE REQUIREMENTS OF 447 MAT DENSITY ACCEPTANCE, EXCEPT AS MODIFIED BELOW.

OBTAIN 6-INCH DIAMETER CORES FOR EACH LOT.

THE PWL CALCULATOR, LOCATED ON THE ODOT WEBSITE AT THE OFFICE OF CONSTRUCTION ADMINISTRATION, WILL BE USED TO DETERMINE THE LOT PWL AND THE LOT AASHTO PAY FACTORS.

THE DEPARTMENT WILL DETERMINE THE PAY FACTOR FOR EACH LOT CORED BY THE FOLLOWING TABLE.

Lower Specification Limit	Pay Factor Criteria	Pay Factor (PF)
92.6%	If AVE density is ≥ 93% AND PWL ≥ 80	PF = 1 or AASHTO PF whichever is greater
	If 80 > PWL > 50	AASHTO PF
	If PWL ≤ 50	REMOVE AND REPLACE

LOCATE LONGITUDINAL JOINTS IN SURFACE COURSE AS DESCRIBED IN C&MS 447.07 SUBJECT TO THE FOLLOWING REQUIREMENTS:

FOR PAVEMENT SECTIONS WITH 2 LANES IN A SINGLE DIRECTION, PLACE A SINGLE COLD LONGITUDINAL JOINT BETWEEN THE TWO LANES.

ONE JOINT ALONG ONE OF THE TWO LINES THAT MAKE UP THE STRIPED GORE MAY BE A COLD JOINT. LONGITUDINAL JOINT ADHESIVE IS REQUIRED AT THESE LOCATIONS.

**ITEM 442 - ANTI-SEGREGATION EQUIPMENT:**

PROVIDE ANTI-SEGREGATION EQUIPMENT FOR ALL COURSES OF UNIFORM THICKNESS IN ACCORDANCE WITH C&MS 401.12. THE QUANTITY FOR THIS ITEM IS IN CUBIC YARDS AND IS EQUAL TO THE AMOUNT OF SURFACE COURSE ON THE MAINLINE AND RAMPS.

**ITEM 617 - WATER:**

THE FOLLOWING QUANTITY HAS BEEN PROVIDED AND THE TOTAL HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 617 - WATER = 10 MGAL

**ITEM 620 - DELINEATOR, POST GROUND MOUNTED:**

THIS ITEM CONSISTS OF INSTALLING MISSING AND DAMAGED FLEXIBLE POST MOUNTED DELINEATORS ON ALL APPLICABLE RAMPS WITHIN THE PROJECT LIMITS. THIS ITEM SHALL USED "AS DIRECTED" BY THE ENGINEER.

THE FOLLOWING CONTINGENCY QUANTITIES HAS BEEN PROVIDED AND THE TOTAL HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 620 - DELINEATOR, POST GROUND MOUNTED = 120 EACH

**ITEM 621 - RPM'S "SPECIAL CONDITIONS":**

UNLESS OTHERWISE NOTED, RPM'S SHALL BE PLACED AS PER SCD TC-65.10 AND TC-65.11.

RPM'S SHALL BE PLACED ALONG 6" DOTTED LINE AT FREEWAY ENTRANCE AND EXIT RAMPS (TC-72.20) WITH 1-WAY WHITE SPACED AT 120' (SAME AS LANE LINE IS DEPICTED IN SCD TC-65.10).

QUANTITIES FOR THESE "SPECIAL CONDITIONS" RPM'S ARE REFLECTED IN THE TRAFFIC CONTROL SUBSUMMARY ON SHEET P.60.

**ITEM 644 - THERMOPLASTIC PAVEMENT MARKING:**

**ITEM 646 - EPOXY PAVEMENT MARKING:**

THE LOCATIONS, SIZES AND SHAPES OF PROPOSED AUXILIARY PAVEMENT MARKINGS WILL BE THE SAME AS EXISTING ON THE MAJORITY OF THIS PROJECT. ANY DEVIATION FROM EXISTING WILL BE IDENTIFIED WITHIN THIS PLAN.

ENTRANCE AND EXIT RAMP PAVEMENT MARKINGS WILL BE UPDATED TO THE CURRENT STANDARDS (CHEVRON AND DOTTED LINE MARKINGS) PER SCD TC-72.20 AND AS DETAILED IN THE PLAN SHEETS. TRANSVERSE/DIAGONAL LINE AND CHEVRON MARKINGS SHALL BE SPACED AS DETAILED PER TEM 301-14 AND SCD TC-72.20.

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.

QUANTITIES FOR AUXILIARY PAVEMENT MARKINGS ARE REFLECTED IN THE TRAFFIC CONTROL SUBSUMMARY ON SHEETS P.57-P.59.

**ITEM 807 - EDGE LINE, 6":**

**ITEM 807 - LANE LINE, 6":**

**ITEM 807 - CHANNELIZING LINE, 12":**

**ITEM 807 - DOTTED LINE, 6":**

QUANTITIES OF ITEM 807 - PAVEMENT MARKINGS HAVE BEEN PROVIDED TO COMPLETELY RE-STRIPE LONG LINES WITHIN THE PROJECT LIMITS ON ALL PAVEMENT AND CONCRETE (BRIDGES & RAMPS) AS PER THE PROPOSED PAVEMENT MARKING PLAN.

ENTRANCE AND EXIT RAMP PAVEMENT MARKINGS WILL BE UPDATED TO THE CURRENT STANDARDS PER SCD TC-72.20 AND AS DETAILED IN THE PLAN SHEETS.

QUANTITIES FOR ITEM 807 - PAVEMENT MARKINGS ARE REFLECTED IN THE TRAFFIC CONTROL SUBSUMMARY ON SHEET P.57-P.59.

**MEDIAN CROSSOVER REMOVED, AS PER PLAN:**

THERE ARE A NUMBER OF GRAVEL MEDIAN CROSSOVERS THAT ARE TO BE REMOVED WITH THIS PROJECT. AFTER REMOVING THE CROSSOVERS, THE CONTRACTOR SHALL GRADE THE MEDIAN AS TO ENSURE POSITIVE DRAINAGE. THE MEDIAN CROSSOVERS CAN BE FOUND AT THE LOCATIONS LISTED BELOW:

- STA 211+25
- STA 244+25
- STA 264+25
- STA 295+75
- STA 305+75

THIS WORK SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE CABLE BARRIER AND NO MOW STRIP.

A DETAIL CAN BE FOUND ON SHEET P.07.

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO PERFORM THE WORK LISTED ABOVE AND HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

- ITEM 203 - EXCAVATION, AS PER PLAN = 5 \* 70 = 350 CY
- ITEM 203 - EMBANKMENT, AS PER PLAN = 5 \* 35 = 175 CY
- ITEM 659 - SEEDING AND MULCHING = 5 \* 105 = 525 SY

**MEDIAN CROSSOVER PAVED, AS PER PLAN:**

THERE IS ONE GRAVEL MEDIAN CROSSOVER THAT IS TO BE PAVED WITH THIS PROJECT. THE CONTRACTOR SHALL PAVE THE CROSSOVER TO ENSURE POSITIVE DRAINAGE. THE MEDIAN CROSSOVER CAN BE FOUND AT THE LOCATION LISTED BELOW:

- STA 254+25

THIS WORK SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE CABLE BARRIER AND NO MOW STRIP.

A DETAIL CAN BE FOUND ON SHEET P.07.

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO PERFORM THE WORK LISTED ABOVE AND HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

- ITEM 203 - EXCAVATION, AS PER PLAN = 43 CY
- ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 (449) = 19 CY
- ITEM 304 - AGGREGATE BASE = 19 CY
- ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, PG70-22M, (449) = 5 CY
- ITEM 630 - GROUND MOUNTED SUPPORT, NO. 2 POST = 14 FT
- ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST = 20 FT
- ITE 630 - SIGN ERECTED, FLAT SHEET = 28 SF

**ITEM 632 - SIGNALIZATION, MISC.: RWIS SENSOR, VX21-2:**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ONE NEW COMPLETE OPERATIONAL RWIS (REMOTE WEATHER INFORMATION SYSTEM) SENSOR IN THE NORTHBOUND LANES OF FAY-71, ALONG WITH REMOVING THE EXISTING SENSOR. THE NEW SENSOR SHALL BE PLACED AT THE APPROXIMATE LOCATION OF THE EXISTING SENSOR. THE EXISTING SENSOR LOCATIONS IS: LAT: 39.592114, LON: -83.659041. THE SENSOR SHALL MEET THE REQUIREMENTS AS DESCRIBED BELOW. THE NEW PAVEMENT SENSOR SHALL BE LOCATED LESS THAN 300 FEET FROM THE NEAREST RWIS TOWER (LAT: 39.592191, LON: -83.658886) AND SHALL BE LOCATED WITH THE CONCURRENCE OF THE MANUFACTURER'S REPRESENTATIVE AND THE ODOT ENGINEER.

THE PROPOSED PAVEMENT AND BRIDGE SENSOR UNITS SHALL BE TYPE VX21. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND INSTALLATION GUIDELINES.

THE CONTRACTOR SHALL CONTACT THE SENSOR MANUFACTURER'S REPRESENTATIVE, WHO WILL BE PRESENT WHILE THE PROPOSED SENSOR IS BEING INSTALLED:

DIGITAL TRAFFIC SYSTEMS, INC  
 857 WAREHOUSE RD, UNIT E  
 TOLEDO, OHIO 43615  
 ATTN:  
 DAVID BURNHAM, TECHNICAL FIELD SUPERVISOR  
 989-619-0027  
 David.Burnham@dtsts.com

REFER TO ATTACHED FIGURES A-E SHEET P.15 FOR TYPICAL VX21-2 INSTALLATION INFORMATION.

THE PROPOSED SENSOR CANISTER SHALL BE INSTALLED USING THE PROPER CANISTER INSTALLATION TOOLS PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES. IT IS THE INTENT FOR THE PROPOSED SENSOR TO BE PLACED AT THE APPROXIMATE LOCATION AS THE EXISTING UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER'S REPRESENTATIVE AND/OR THE ODOT ENGINEER. CONTRACTOR SHALL NOTIFY THE ODOT DISTRICT 6 HIGHWAY MANAGEMENT OFFICE (SAM MORRISON, (740) 833-8023) WHEN THE SENSORS ARE REMOVED FROM THE EXISTING PAVEMENT AND BRIDGE DECK, AND WHEN THE PROPOSED SENSOR INSTALLATIONS ARE COMPLETE. THE DISTRICT WILL MONITOR THE NEW SENSOR'S PERFORMANCE FOR A MINIMUM OF FIVE (5) WORKING DAYS TO VERIFY PROPER OPERATION. IF THE SENSOR DOES NOT PERFORM PROPERLY WITHIN THIS TEST PERIOD, THE CONTRACTOR (WITH ASSISTANCE FROM THE MANUFACTURER) SHALL VERIFY THE INSTALLATION IS CORRECT. IF THE SENSOR CONTINUES TO MALFUNCTION, THE CONTRACTOR SHALL REPLACE THE UNIT.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID OF ITEM 632 - SIGNALIZATION MISC.: RWIS SENSOR, VX21-2, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE THE EXISTING SENSOR AND INSTALL A COMPLETE AND FUNCTIONING RWIS SENSOR, VX-21-2. THE FOLLOWING QUANTITY HAS BEEN PROVIDED AND CARRIED TO THE GENERAL SUMMARY:


ITEM 632 - SIGNALIZATION, MISC.: RWIS SENSOR, VX21-2 = 1 EACH



											FUNDING				ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7-15	16-19	20-23	26	27	28	29	57	58	59	60	01/IMS/05	02/IMS/47	03/SAF/21	04/SAF/21						
<b>ROADWAY</b>																				
						LS					LS				201	11001	LS	CLEARING AND GRUBBING, AS PER PLAN	16	
					1000						1000				202	38001	1000	FT	GUARDRAIL REMOVED, AS PER PLAN	16
					500						500				202	38301	500	FT	GUARDRAIL REMOVED, BARRIER DESIGN, AS PER PLAN	16
					1						1				202	42011	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E, AS PER PLAN	16
	393										393				203	10001	393	CY	EXCAVATION, AS PER PLAN	
	175				126	195					496				203	20001	496	CY	EMBANKMENT, AS PER PLAN	16
	62.75										62.75				209	15001	62.75	STA	RESHAPING UNDER GUARDRAIL, AS PER PLAN	16
					16.05						16.05				209	60200	16.05	STA	LINEAR GRADING	
					1025						1025				606	15050	1025	FT	GUARDRAIL, TYPE MGS	
					500						500				606	15550	500	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS	
					1						1				606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
					1						1				606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
					1						1				606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
					46650								46650	SPECIAL	60655000	46650	FT	CABLE BARRIER, CONCRETE SOCKETED FOUNDATION	17	
					46						46			SPECIAL	60655150	46	EACH	CABLE BARRIER, ANCHOR ASSEMBLY	17	
					491						491			SPECIAL	60655190	491	EACH	CABLE BARRIER, POST REFLECTOR	17	
	100										100			606	98000	100	FT	GUARDRAIL, MISC.: ALTERNATIVE PLACEMENT	17	
					186600								186600	SPECIAL	69098200	186600	SF	NO MOW STRIP	17	
<b>EROSION CONTROL</b>																				
						220					220				601	21060	220	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
	167										167				659	00300	167	CY	TOPSOIL	
	1465										1465				659	10000	1465	SY	SEEDING AND MULCHING	
	0.14										0.14				659	20000	0.14	TON	COMMERCIAL FERTILIZER	
	0.22										0.22				659	31000	0.22	ACRE	LIME	
	6										6				659	35000	6	MGAL	WATER	
													LS	832	15000	LS		STORM WATER POLLUTION PROTECTION PLAN		
													LS	832	15002	LS		STORM WATER POLLUTION PROTECTION PLAN INSPECTIONS		
													LS	832	15010	LS		STORM WATER POLLUTION PROTECTION PLAN INSPECTION SOFTWARE		
											1000		19,000	832	30000	20000	EACH	EROSION CONTROL		
<b>PAVEMENT</b>																				
	4820										4820				251	01041	4820	SY	PARTIAL DEPTH PAVEMENT REPAIR, (ASPHALT CONCRETE BASE), AS PER PLAN, 4.5", FOR MAINLINE	17
	250										250				251	01041	250	SY	PARTIAL DEPTH PAVEMENT REPAIR, (ASPHALT CONCRETE BASE), AS PER PLAN, 4.5", FOR SHOULDER	17
						12					12				251	01041	12	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 3", FOR DRAINAGE	17
			234928	234464							469392				254	01000	469392	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"	
	19										19				301	56000	19	CY	ASPHALT CONCRETE BASE, PG64-22	
	19										19				304	20000	19	CY	AGGREGATE BASE	
			20008	19931							39939				407	20000	39939	GAL	NON-TRACKING TACK COAT	
			9802	9765							19567				442	00100	19567	CY	ANTI-SEGREGATION EQUIPMENT	
			9802	9765							19567				442	10321	19567	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (447), RWL 2024, AS PER PLAN (PG70-22M BINDER)	18
	5										5				442	22100	5	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, PG70-22M, (449)	
			311	312							623				617	10100	623	CY	COMPACTED AGGREGATE	
	10										10				617	25000	10	MGAL	WATER	
			18.70	18.56							37.26				618	40600	37.26	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
**RAM**

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
**112747**

SHEET TOTAL  
P.24 | 79