

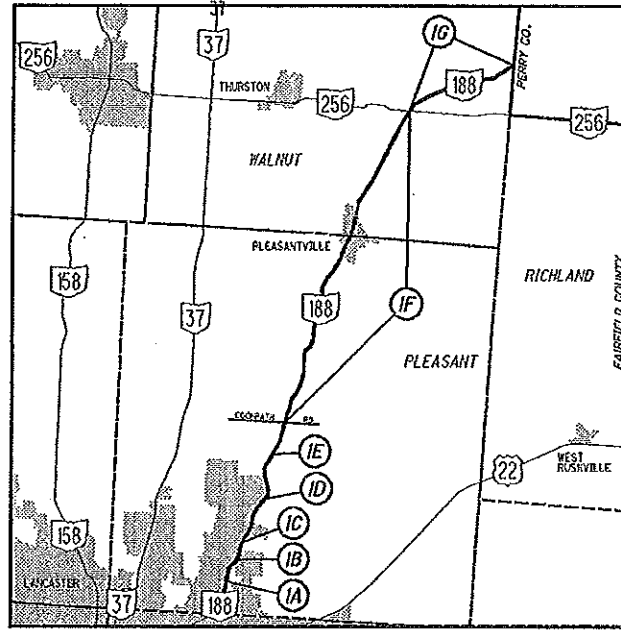
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

FAI-188-16.02

CITY OF LANCASTER
VILLAGE OF PLEASANTVILLE
PLEASANT AND WALNUT TOWNSHIPS
FAIRFIELD COUNTY

PROJECT DESCRIPTION
ASPHALT CONCRETE RESURFACING AND RELATED WORK ON S.R. 188 IN FAIRFIELD COUNTY

PROJECT EARTH DISTURBED AREA = N/A (MAINT.)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINT.)
NOTICE OF INTENT EARTH DISTURBED AREA = N/A (MAINT.)



LOCATION MAP

LATITUDE: 39° 48' 35" LONGITUDE: 82° 31' 25"

PORTION TO BE IMPROVED -----

DESIGN DESIGNATION	S.R. 188 (16.02-19.06)	S.R. 188 (19.06-26.53)
FUNCTIONAL CLASSIFICATION	UMA	RMC
OPENING YEAR ADT (2017)	5,800	3,400
DESIGN YEAR ADT (2029)	7,300	4,100
DESIGN HOURLY VOLUME (2029)	730	410
DIRECTIONAL DISTRIBUTION	55%	55%
TRUCKS (24 HOUR B&C)	3%	4%
DESIGN SPEED	45 MPH	55 MPH
LEGAL SPEED	45 MPH	55 MPH

RMC = RURAL MAJOR COLLECTOR
UMA = URBAN MINOR ARTERIAL

DESIGN EXCEPTIONS
NONE

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

OHIO Utilities Protection SERVICE
Call Before You Dig
1-800-362-2764
(Non-members must be called directly)

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
1-800-925-0988

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 5 PLANNING & ENGINEERING

INDEX OF SHEETS

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LOCATION	PLAN	COUNTY	ROUTE	BEGIN	END	LENGTH	CITY/VILLAGE
	SPLIT			SLM	SLM	MILES	
IA	1	FAI	188	16.02	16.53	0.51	
IB	2	FAI	188	16.53	16.74	0.21	LANCASTER
IC	1	FAI	188	16.74	17.01	0.27	
ID	2	FAI	188	17.01	17.30	0.29	LANCASTER
IE	1	FAI	188	17.30	19.06	1.76	
IF	3	FAI	188	19.06	24.53	5.47	PLEASANTVILLE
IG	4	FAI	188	24.53	26.53	2.00	

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED:
DATE: 12-16-16 CITY ENGINEER
CITY OF LANCASTER

APPROVED:
DATE: 11/21/16 DISTRICT DEPUTY DIRECTOR

APPROVED:
DATE: 12-22-16 DIRECTOR, DEPARTMENT OF TRANSPORTATION

ENGINEER'S SEAL	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
 SIGNED: DATE: 11/21/16	BP-3.1	7/18/14	TC-65.10	1/17/14	800	10/21/16
	BP-4.1	7/19/13	TC-65.11	7/18/14	832	1/17/14
			TC-71.10	1/17/14		
	MT-97.10	7/18/14				
	MT-97.12	7/18/14				
	MT-101.90	7/17/15				
	MT-105.10	7/19/13				
				SPECIAL PROVISIONS		

FAI - SR 188-16.02
170089 PID - 93107
Dist 5 2/16/2017

Contract Proposal Available @ www.
Contracts.dot.state.oh.us/home

FEDERAL PROJECT NO. E160(919)
PID NO. 93107
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT KANAWHA RIVER RAILROAD
FAI-188-16.02
1/23

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UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

PAVEMENT MARKINGS

STOP LINES, CROSSWALK LINES, CHANNELIZING LINES, ETC., SHOWN IN THE PLANS ARE TAKEN FROM EXISTING MARKINGS. THE CONTRACTOR SHALL DOCUMENT ALL OF THE EXISTING PAVEMENT MARKING LOCATIONS THAT WILL BE REMOVED/OBLITERATED DURING THIS PROJECT. THE CONTRACTOR SHALL PLACE NEW PAVEMENT MARKINGS AT THE LOCATION OF THE EXISTING MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DOCUMENTATION OF PAVEMENT MARKING SHALL BE SUPPLIED TO THE ENGINEER BEFORE COMMENCEMENT OF ANY OPERATION WHICH WILL REMOVE/OBLITERATE MARKINGS. THE METHOD OF DOCUMENTATION SHALL BE APPROVED BY THE ENGINEER IN ORDER TO PROVIDE AN ACCEPTABLE TOLERANCE BETWEEN THE EXISTING AND PROPOSED PAVEMENT MARKINGS.

ITEM 209, LINEAR GRADING

IN ORDER TO PROVIDE POSITIVE DRAINAGE FROM THE ROADWAY SURFACE TO THE SHOULDER BREAK, THE EXISTING ROADWAY SHOULDERS SHALL BE GRADED AND SHAPED USING A GRADER OF ADEQUATE SIZE TO PERFORM THE WORK TO THE SATISFACTION OF THE ENGINEER.

ALL EXCESS MATERIAL REMAINING AROUND GUARDRAIL AND OTHER AREAS AFTER THE GRADER WORK IS COMPLETED AND NOT DISPOSED OF ON THE SITE, SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ALL EQUIPMENT, LABOR, OR INCIDENTALS REQUIRED TO COMPLETE THIS ITEM SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR ITEM 209, LINEAR GRADING.

THIS WORK MAY BE INTERMITTENT AND SPREAD THROUGHOUT THE PROJECT LIMITS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL ONLY BE PAID FOR INTERSECTIONS AND GAPS IF THEY ARE WITHIN THE LIMITS OF A SECTION MARKED BY THE ENGINEER FOR GRADING.

AREAS WITH GUARDRAIL SHALL NOT BE EXCLUDED FROM LINEAR GRADING.

ALL LINEAR GRADING WORK SHALL BE DONE BEFORE PLACING THE ASPHALT SURFACE COURSE

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, TRAFFIC CONTROL AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR ITEM 209, LINEAR GRADING.

ITEM 209, LINEAR GRADING
 LOCATION 1A: 1.02 MILE LOCATION 1E: 3.52 MILE
 LOCATION 1B: 0.42 MILE LOCATION 1F: 10.94 MILE
 LOCATION 1C: 0.54 MILE LOCATION 1G: 4.00 MILE
 LOCATION 1D: 0.58 MILE

ITEM 253, PAVEMENT REPAIR

AN ESTIMATED QUANTITY FOR PAVEMENT REPAIR HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER. REPAIRS SHALL TAKE PLACE PRIOR TO ANY PLANING OPERATIONS. THE INTENT OF THIS OPERATION IS TO REPAIR THOSE AREAS OF PAVEMENT WHICH HAVE COMPLETELY FAILED (PUMPING OF SUB-BASE MATERIAL) AND NOT TO CORRECT SURFACE IRREGULARITIES. DEPTH OF EXCAVATION SHALL BE 7". THE MINIMUM WIDTH SHALL BE 4 FT. AFTER EXCAVATION HAS BEEN COMPLETED, THE FACE OF THE REPAIR SHALL BE COATED WITH ITEM 407, TACK COAT. REPLACEMENT MATERIAL WILL BE 7" OF ITEM 301, ASPHALT CONCRETE BASE, PG64-22 (PLACED AND COMPACTED IN TWO LIFTS).

REPAIR QUANTITIES MAY BE USED ON THE MAINLINE PAVEMENT OR ON PAVED SHOULDERS. ALL EXCAVATION, MATERIALS, LABOR, EQUIPMENT, TOOLS, TRAFFIC CONTROL AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE PAID FOR UNDER ITEM 253, PAVEMENT REPAIR.

ITEM 253, PAVEMENT REPAIR
 LOCATION 1A: 100 CY LOCATION 1E: 200 CY
 LOCATION 1B: 25 CY LOCATION 1F: 1,450 CY
 LOCATION 1C: 50 CY LOCATION 1G: 550 CY
 LOCATION 1D: 25 CY

ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE

DEPTH OF PLANING ON S.R. 188 SHALL BE 1.25" AND 2.25", AS SHOWN ON THE ASPHALT CONCRETE DATA SHEET. PLANING SHALL BE FULL WIDTH OF PAVEMENT, INCLUDING PAVED SHOULDERS.

THE ROADWAY SHALL BE PLANED SUCH THAT POSITIVE DRAINAGE IS CREATED FROM THE CENTER LINE TO THE EDGE OF PAVEMENT IN TANGENT SECTIONS AND SHALL FOLLOW EXISTING SUPERELEVATIONS WHERE APPLICABLE. ALL REQUIREMENTS OF ITEM 254 SHALL APPLY.

ITEM 407, NON-TRACKING TACK COAT

THE RATE OF APPLICATION OF THE ITEM 407, NON-TRACKING TACK COAT SHALL BE PER CMS TABLE 407.06-1 AND SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GAL/SY FOR TACK COAT UNDER THE INTERMEDIATE AND 0.05 GAL/SY UNDER THE SURFACE COURSE, (FOR ESTIMATING PURPOSES ONLY).

ITEM 408, PRIME COAT, AS PER PLAN

THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER SECTION 702) AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER (ITEM 617) AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF PAVEMENT OR EDGE LINE. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO 107.10 OF THE SPECIFICATIONS.

ITEM 617, COMPACTED AGGREGATE, AS PER PLAN

ALL AGGREGATE SHALL BE 100% CRUSHED LIMESTONE. ALL QUALITY REQUIREMENTS EXCEPT SHALE SHALL BE WAIVED. OTHER GRADATION REQUIREMENTS SHALL BE AS SPECIFIED EXCEPT THE PLASTICITY INDEX SHALL BE WAIVED. IF SO PERMITTED, THE CONTRACTOR MAY USE RECYCLED ASPHALT CONCRETE PAVEMENT (RACP MEETING REQUIREMENTS OF 617.02) IN LIEU OF CRUSHED LIMESTONE.

AREAS WHERE THE EXISTING GRADED SHOULDER IS LESS THAN 12 INCHES WIDE, THE COMPACTED AGGREGATE MAY BE OMITTED AT THE APPROVAL OF THE ENGINEER.

BEFORE PLACING COMPACTED AGGREGATE, THE EXISTING SURFACE SHALL BE LOOSE AND FREE OF VEGETATION. IF NOT, THE CONTRACTOR SHALL PERFORM SHOULDER PREPARATION AS PER 617.04. PAYMENT FOR SHOULDER PREPARATION SHALL BE INCLUDED IN THE COST OF ITEM 617, COMPACTED AGGREGATE, AS PER PLAN.

ITEM 621, RAISED PAVEMENT MARKER REMOVED

RPM REMOVAL SHALL NOT OCCUR SOONER THAN 10 DAYS PRIOR TO RESURFACING OF THE ROADWAY. ALL RPM'S REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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RESIDENTIAL AND COMMERCIAL DRIVES

AN ESTIMATED QUANTITY OF ITEM 441 ASPHALT CONCRETE, HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER TO PAVE APPROACH AREAS TO EXISTING DRIVEWAYS. PAVING SHALL EXTEND AN AVERAGE OF 4' INTO THE DRIVEWAY (MEASURED FROM THE EDGE OF PAVEMENT OR PAVED SHOULDER IF PRESENT). THE ENGINEER MAY EXTEND PAVING DISTANCE FOR ASPHALT DRIVEWAYS IN ORDER TO PROVIDE A SMOOTH TRANSITION AND/OR ELIMINATE SHORT DISTANCES OF UNDESIRABLE PROFILE. ABRUPT CHANGES IN DRIVEWAY PROFILE ARE NOT PERMITTED, THEREFORE, A QUANTITY OF ITEM 304 AGGREGATE BASE HAS BEEN PROVIDED TO BE USED AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR AGGREGATE DRIVES.

FIELD DRIVES AND OIL WELL DRIVES SHALL NOT BE PAVED. GRAVEL DRIVES SHALL BE PAVED BACK AN AVERAGE OF 4' WITHOUT CREATING A BUTT JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CREATE A BUTT JOINT FOR EXISTING ASPHALT/CONCRETE DRIVES/APRONS. GRAVEL DRIVES WITH ASPHALT APRONS SHALL NOT HAVE BUTT JOINTS, BUT ONLY IF THE EXISTING ASPHALT APRON IS IN AN ACCEPTABLE CONDITION TO BE PAVED OVER. IF THE ASPHALT APRON CANNOT BE PAVED OVER (FOR EXAMPLE, BROKEN INTO SMALL PIECES) AS DETERMINED BY THE ENGINEER, IT SHALL BE REMOVED BEFORE BEING PAVED BACK 4' INTO THE DRIVEWAY. ALL GRADING, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE DRIVES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEMS LISTED BELOW.

BUTT JOINT AT THE END OF ALL DRIVEWAYS SHALL BE 1.25" IN DEPTH TO ACCOMMODATE 1.25" SURFACE COURSE. NO WORK SHALL BE PERFORMED ON DRIVEWAYS LOCATED IN CURB SECTIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ITEM 202, WEARING COURSE REMOVED

LOCATION 1A: 210 SY LOCATION 1E: 740 SY
LOCATION 1B: 90 SY LOCATION 1F: 765 SY
LOCATION 1C: 220 SY LOCATION 1G: 285 SY
LOCATION 1D: 40 SY

ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M

LOCATION 1A: 8 CY LOCATION 1E: 26 CY
LOCATION 1B: 4 CY LOCATION 1F: 27 CY
LOCATION 1C: 8 CY LOCATION 1G: 10 CY
LOCATION 1D: 2 CY

MAIL BOX TURN OUTS

A QUANTITY OF ASPHALT CONCRETE HAS BEEN PROVIDED IN THE PLAN TO COVER MAIL BOX TURN-OUTS. TURN-OUTS SHALL BE PAVED AS SHOWN IN THE DETAIL IN DRAWING BP-4.1. ANY EXTRA GRADING OF THE SHOULDERS, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE MAIL BOX TURN OUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEMS LISTED BELOW.

ITEM 202, WEARING COURSE REMOVED

LOCATION 1A: 30 SY LOCATION 1E: 550 SY
LOCATION 1B: 30 SY LOCATION 1F: 420 SY
LOCATION 1C: 110 SY LOCATION 1G: 160 SY
LOCATION 1D: 30 SY

ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)

LOCATION 1A: 1 CY LOCATION 1E: 16 CY
LOCATION 1B: 1 CY LOCATION 1F: 12 CY
LOCATION 1C: 4 CY LOCATION 1G: 5 CY
LOCATION 1D: 1 CY

ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 70-22M

LOCATION 1A: 2 CY LOCATION 1E: 20 CY
LOCATION 1B: 2 CY LOCATION 1F: 15 CY
LOCATION 1C: 4 CY LOCATION 1G: 6 CY
LOCATION 1D: 2 CY

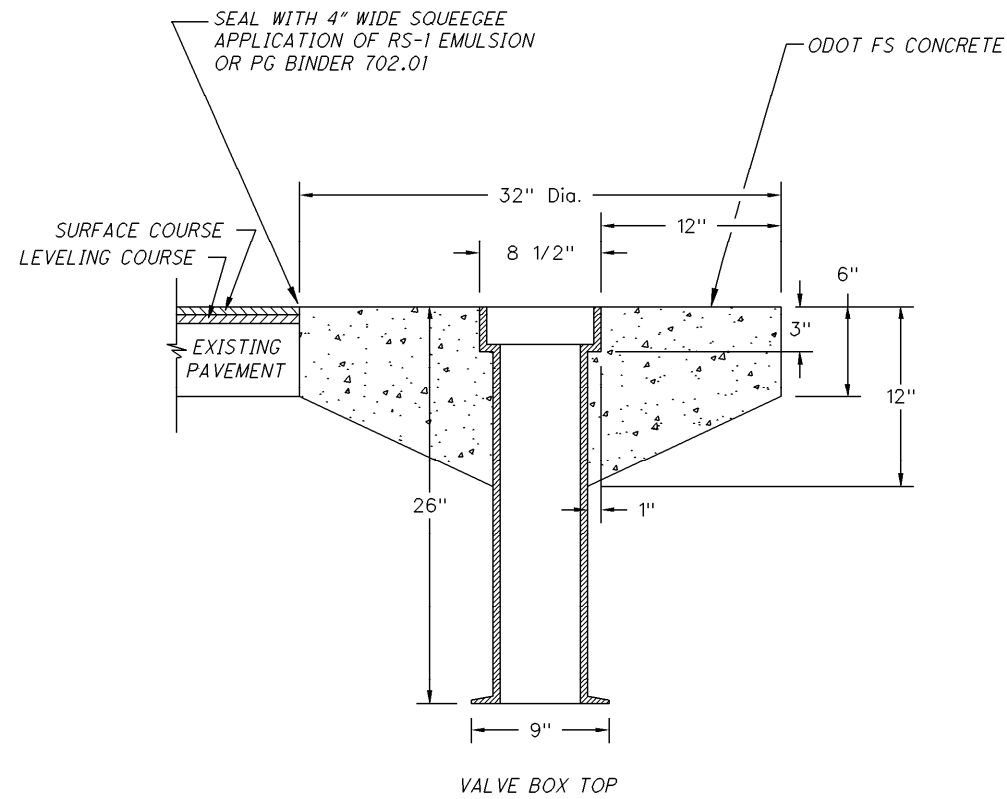
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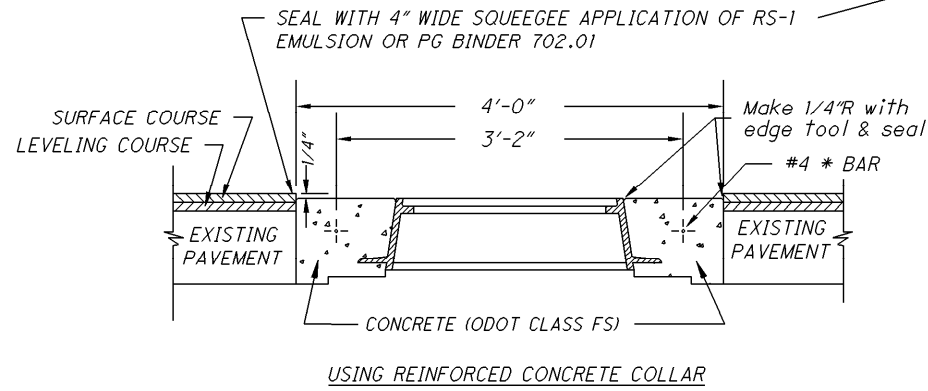
GENERAL NOTES

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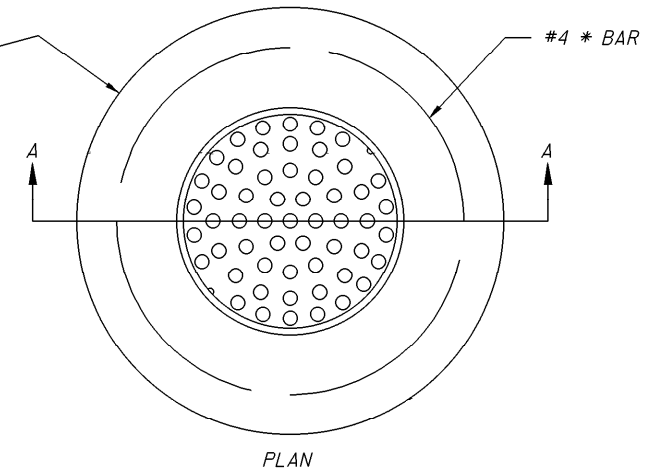
VALVE BOX ADJUSTED TO GRADE DETAIL



SECTION A-A

A STANDARD DRUM WITH WARNING LIGHT PER ODOT C-8 SHALL BE PLACED ON THE MANHOLE UNTIL SUFFICIENT TIME HAS ELAPSED FOR THE CONCRETE TO CARRY TRAFFIC.

MANHOLE ADJUSTED TO GRADE DETAIL



PLAN

- ITEM 611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN
- ITEM 623 MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
- ITEM 638, VALVE BOX ADJUSTED TO GRADE, AS PER PLAN

MANHOLES AND VALVE BOXES WILL BE ADJUSTED TO GRADE IF THE UTILITY CASTING IS MORE THAN 1/8" (MAX) BELOW OR ABOVE THE FINISHED PAVEMENT SURFACE. THE ENGINEER SHALL MAKE A DETERMINATION OF THOSE UTILITY CASTINGS TO BE ADJUSTED AFTER THE PLACEMENT OF THE FINAL ASPHALT PAVEMENT COURSE. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PERTINENT ODOT CMS SPECIFICATION AND PER THE DETAILS ON THIS PLAN SHEET.

NOTE: NON-CITY UTILITY CASTINGS WILL BE RAISED AT THE OWNER'S EXPENSE

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE LOCATION SUB-SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE WORK DESCRIBED ABOVE:

- ITEM 611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN
- LOCATION 1A: 1 EACH
- LOCATION 1C: 1 EACH
- LOCATION 1F: 14 EACH

- ITEM 623, MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
- LOCATION 1F: 1 EACH

- ITEM 638, VALVE BOX ADJUSTED TO GRADE, AS PER PLAN
- LOCATION 1A: 5 EACH
- LOCATION 1C: 3 EACH
- LOCATION 1F: 13 EACH

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 1 LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON S.R. 188 BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS MT-97.10 OR MT-97.12

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES INCLUDING REPAIRS.

AT NO TIME SHALL TRAFFIC BE MAINTAINED ON THE PLANED SURFACE, AT LEAST ONE COURSE OF ASPHALT CONCRETE SHALL BE IN PLACE BEFORE OPENING TO TRAFFIC. THIS RULE DOES NOT APPLY TO PLANING AT BRIDGES OR ACROSS BRIDGES UNLESS THE BRIDGE IS BEING TREATED THE SAME AS THE ADJACENT ROADWAY.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT, IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF ROAD CLOSURE OR RESTRICTION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL AT D05.PIO@DOT.STATE.OH.US

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.STATE.OH.US

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.STATE.OH.US

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

DROPOFFS IN WORK ZONES

DROPOFFS THAT DEVELOP DURING CONSTRUCTION OPERATIONS AND THAT ARE NOT OTHERWISE PROVIDED FOR IN THE PLANS SHALL BE TREATED AS SHOWN ON STANDARD DRAWING MT-101.90. WHERE THE PLANS DO NOT PROVIDE SPECIFIC ITEMS FOR LABOR, EQUIPMENT, OR MATERIALS TO IMPLEMENT THE DROP-OFF TREATMENTS SPECIFIED, THEY SHALL BE INCLUDED FOR PAYMENT IN THE LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC.

BUTT JOINT

A BUTT JOINT WILL BE REQUIRED AT LOCATIONS SPECIFIED BELOW AND AT THE EXTRA AREAS WITH WEARING COURSE REMOVED.

BUTT JOINTS SHALL BE AS PER STANDARD CONSTRUCTION DRAWING BP-3.1 UNLESS OTHERWISE SHOWN IN THE PLANS.

MINIMUM LENGTH FOR ASPHALT WEDGE AT BUTT JOINTS SHALL BE 10'.

LOCATION	ROUTE	DESCRIPTION	S.L.M.	ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC CU. YD.
1A	S.R. 188	BEGIN WORK	16.02	1.4
		TOTAL (LOCATION 1A)		1.4
1G	S.R. 188	END WORK	26.53	1.0
		TOTAL (LOCATION 1G)		1.0

GRINDING FOR BUTT JOINTS SHALL BE INCLUDED FOR PAYMENT WITH ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE WHERE APPLICABLE.

ITEM 614, WORK ZONE MARKING SIGN

IN ACCORDANCE WITH CMS SECTION 614.04, THE QUANTITIES OF WORK ZONE MARKING SIGN TO BE USED AS DIRECTED BY THE ENGINEER:

R4-1 (DO NOT PASS):
LOCATION 1A: 2 EACH
LOCATION 1C: 6 EACH
LOCATION 1E: 9 EACH
LOCATION 1F: 14 EACH
LOCATION 1G: 6 EACH

R4-2 (PASS WITH CARE):
LOCATION 1E: 5 EACH
LOCATION 1F: 11 EACH
LOCATION 1G: 5 EACH

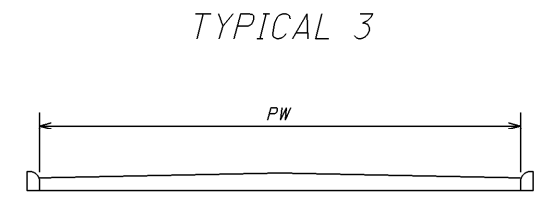
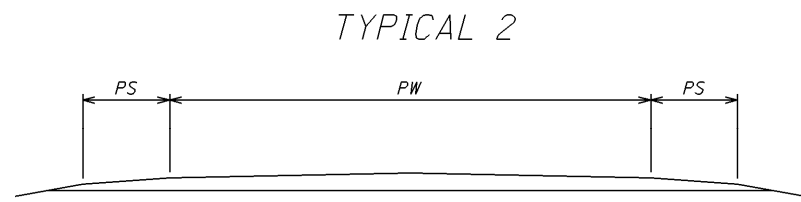
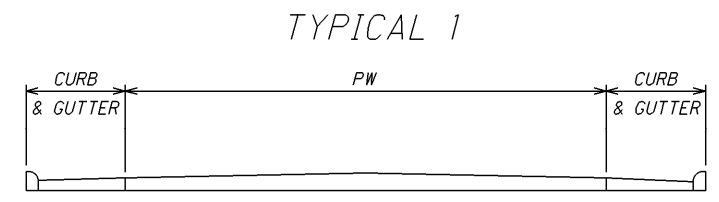
W8-H12a (NO EDGE LINES):
LOCATION 1A: 1 EACH
LOCATION 1C: 6 EACH
LOCATION 1E: 10 EACH
LOCATION 1F: 13 EACH
LOCATION 1G: 6 EACH

IN ADDITION, THE CONTRACTOR SHALL ERECT A "GROOVED PAVEMENT" SIGN 250 FEET IN ADVANCE OF ANY SECTION OF ROADWAY WHERE TRAFFIC MUST TRAVEL ON A PLANED SURFACE. "GROOVED PAVEMENT" SIGNS SHALL BE INCLUDED FOR PAYMENT WITH THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC AS PER CMS SECTION 614.055.

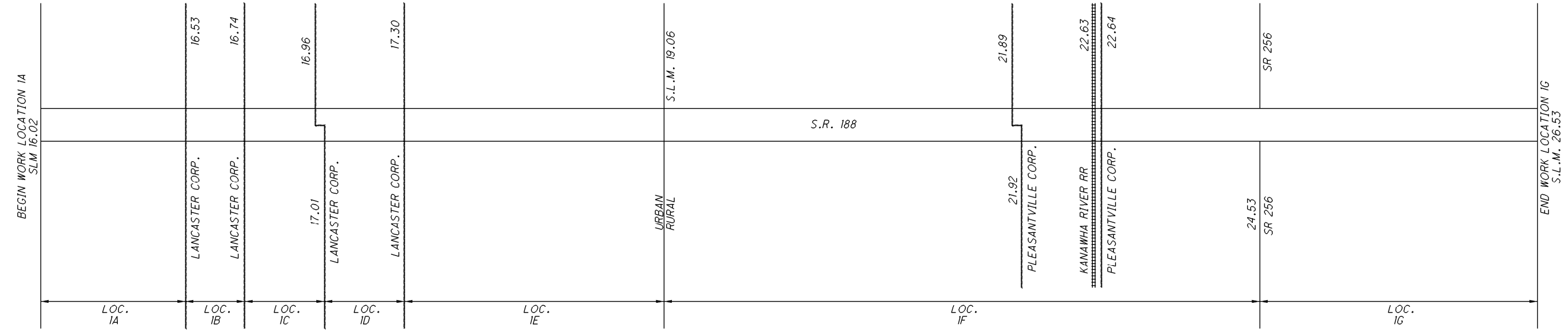
ITEM 614, WORK ZONE MARKING SIGN

LOCATION 1A: 3 EACH
LOCATION 1C: 12 EACH
LOCATION 1E: 24 EACH
LOCATION 1F: 38 EACH
LOCATION 1G: 17 EACH

FOR PAVEMENT DATA QUANTITIES, SEE SHEET 6.



AS = AGGREGATE SHOULDER
PS = PAVED SHOULDER
PW = PAVEMENT WIDTH



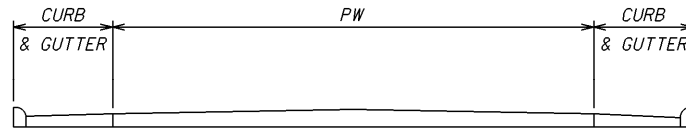
PAVEMENT DATA

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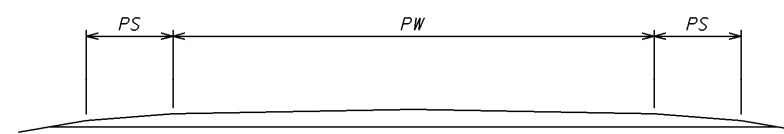
Pavement Data																							
Location	County	Route	Begin Log Point (SLM)	End Log Point (SLM)	Length		Pavement Width (FT)	Typical	Pavement Area (SY)	254				407				441				614	
					Miles	Lin. Ft.				Thickness	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	PAVEMENT PLANING, ASPHALT CONCRETE, 2.25"	NON-TRACKING TACK COAT (@ 0.050 Gal/SY)	NON-TRACKING TACK COAT (@ 0.080 Gal/SY)	Thickness	ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1 (448)	Thickness	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG 70-22M	WORK ZONE CENTER LINE, CLASS II	WORK ZONE CENTER LINE, CLASS III			
					Inches	SY				SY	GAL	GAL	Inches	CY	Inches	CY	MILE	MILE					
1a	Fai.	S.R. 188	16.02	16.06	0.04	211.20	32.0	1	750.9	2.25		750.9	37.6	60.1	1.00	20.9	1.25	26.1	0.04	0.04			
			16.06	16.20	0.14	739.20	22.0	2	1,806.9	1.25	1,806.9		90.4	144.6	1.00	50.2	1.25	62.8	0.14	0.14			
			16.20	16.25	0.05	264.00	28.0	2	821.3	1.25	821.3		41.1	65.8	1.00	22.9	1.25	28.6	0.05	0.05			
			16.25	16.29	0.04	211.20	33.0	2	774.4	1.25	774.4		38.8	62.0	1.00	21.6	1.25	26.9	0.04	0.04			
			16.29	16.35	0.06	316.80	28.0	2	985.6	1.25	985.6		49.3	78.9	1.00	27.4	1.25	34.3	0.06	0.06			
			16.35	16.53	0.18	950.40	22.0	2	2,323.2	1.25	2,323.2		116.2	185.9	1.00	64.6	1.25	80.7	0.18	0.18			
Sub-Totals												374	598										
Location 1a Totals (Carried to Location Sub-Summary)											6,712	751	972		208		260	0.51	0.51				
1b	Fai.	S.R. 188	16.53	16.74	0.21	1,108.80	22.0	2	2,710.4	1.25	2,710.4	135.6	216.9	1.00	75.3	1.25	94.2	0.21	0.21				
			Sub-Totals												136	217							
Location 1b Totals (Carried to Location Sub-Summary)											2,711		353		76		95	0.21	0.21				
1c	Fai.	S.R. 188	16.74	17.01	0.27	1,425.60	22.0	2	3,484.8	1.25	3,484.8	174.3	278.8	1.00	96.8	1.25	121.0	0.27	0.27				
			Sub-Totals												175	279							
Location 1c Totals (Carried to Location Sub-Summary)											3,485		454		97		121	0.27	0.27				
1d	Fai.	S.R. 188	17.01	17.30	0.29	1,531.20	22.0	2	3,742.9	1.25	3,742.9	187.2	299.5	1.00	104.0	1.25	130.0	0.29	0.29				
			Sub-Totals												188	300							
Location 1d Totals (Carried to Location Sub-Summary)											3,743		488		104		130	0.29	0.29				
1e	Fai.	S.R. 188	17.30	19.06	1.76	9,292.80	22.0	2	22,715.7	1.25	22,715.7	1,135.8	1,817.3	1.00	631.0	1.25	788.8	1.76	1.76				
			Sub-Totals												1,136	1,818							
Location 1e Totals (Carried to Location Sub-Summary)											22,716		2,954		631		789	1.76	1.76				
1f	Fai.	S.R. 188	19.06	22.00	2.94	15,523.20	22.0	2	37,945.6	1.25	37,945.6	1,897.3	3,035.7	1.00	1,054.1	1.25	1,317.6	2.94	2.94				
			22.00	22.17	0.17	897.60	26.0	3	2,593.1	2.25		2,593.1	129.7	207.5	1.00	72.1	1.25	90.1	0.17	0.17			
			22.17	22.24	0.07	369.60	28.0	3	1,149.9	2.25	1,149.9		57.5	92.0	1.00	32.0	1.25	40.0	0.07	0.07			
			22.24	22.30	0.06	316.80	36.0	3	1,267.2	2.25	1,267.2		63.4	101.4	1.00	35.2	1.25	44.0	0.06	0.06			
			22.30	22.60	0.30	1,584.00	28.0	3	4,928.0	2.25	4,928.0		246.4	394.3	1.00	136.9	1.25	171.2	0.30	0.30			
			22.60	24.53	1.93	10,190.40	20.0	2	22,645.3	1.25	22,645.3		1,132.3	1,811.7	1.00	629.1	1.25	786.3	1.93	1.93			
Sub-Totals													3,527	5,643									
Location 1f Totals (Carried to Location Sub-Summary)											60,591	9,939	9,170		1,960		2,450	5.47	5.47				
1g	Fai.	S.R. 188	24.53	26.53	2.00	10,560.00	20.0	2	23,466.7	1.25	23,466.7	1,173.4	1,877.4	1.00	651.9	1.25	814.9	2.00	2.00				
			Sub-Totals												1,174	1,878							
Location 1g Totals (Carried to Location Sub-Summary)											23,467		3,052		652		815	2.00	2.00				

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TYPICAL 1



TYPICAL 2



AS = AGGREGATE SHOULDER
 PS = PAVED SHOULDER
 PW = PAVEMENT WIDTH

Shoulder Data

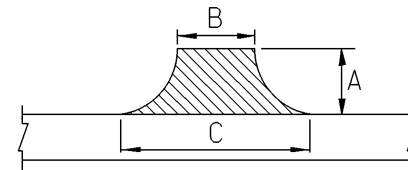
Location	County	Route	Begin Log Point (SLM)	End Log Point (SLM)	Length		Typical	Shoulder Width (FT.) (Widths are Average Throughout Section)		Shoulder Area (SY)	254		407		408	441		617				
											Thickness	PAVEMENT PLANNING, ASPHALT CONCRETE, 1.25"	PAVEMENT PLANNING, ASPHALT CONCRETE, 2.25"	NON-TRACKING TACK COAT (@ 0.050 Gal/SY)	NON-TRACKING TACK COAT (@ 0.080 Gal/SY)	PRIME COAT, AS PER PLAN (@ 0.40 Gal/SY)	Thickness	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448)	Thickness	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448) PG 70-22M	Thickness	COMPACTED AGGREGATE, AS PER PLAN (1" Width)
1a	Fai.	S.R. 188	16.02	16.06	0.04	211.20	1	2.0	2.0	93.9	2.25		93.9	4.7	7.6	18.8	1.00	2.7	1.25	3.3	2.00	2.6
			16.06	16.53	0.47	2,481.60	2	2.0	2.0	1,102.9	1.25	1,102.9		55.2	88.3	220.6	1.00	30.7	1.25	38.3	2.00	30.6
Sub-Totals													60	96								
Location 1a Totals (Carried to Location Sub-Summary)															156	240		34		42		34
1b	Fai.	S.R. 188	16.53	16.74	0.21	1,108.80	2	2.0	2.0	492.8	1.25	492.8		24.7	39.5	98.6	1.00	13.7	1.25	17.2	2.00	13.7
			Sub-Totals													25	40					
Location 1b Totals (Carried to Location Sub-Summary)															65	99		14		18		14
1c	Fai.	S.R. 188	16.74	17.01	0.27	1,425.60	2	2.0	2.0	633.6	1.25	633.6		31.7	50.7	126.8	1.00	17.6	1.25	22.0	2.00	17.6
			Sub-Totals													32	51					
Location 1c Totals (Carried to Location Sub-Summary)															83	127		18		22		18
1d	Fai.	S.R. 188	17.01	17.30	0.29	1,531.20	2	2.0	2.0	680.5	1.25	680.5		34.1	54.5	136.2	1.00	19.0	1.25	23.7	2.00	18.9
			Sub-Totals													35	55					
Location 1d Totals (Carried to Location Sub-Summary)															90	137		19		24		19
1e	Fai.	S.R. 188	17.30	19.06	1.76	9,292.80	2	2.0	2.0	4,130.1	1.25	4,130.1		206.6	330.5	826.1	1.00	114.8	1.25	143.5	2.00	114.7
			Sub-Totals													207	331					
Location 1e Totals (Carried to Location Sub-Summary)															538	827		115		144		115
1f	Fai.	S.R. 188	19.06	22.00	2.94	15,523.20	2	2.0	2.0	6,899.2	1.25	6,899.2		345.0	552.0	1,379.9	1.00	191.7	1.25	239.6	2.00	191.6
			22.60	24.53	1.93	10,190.40	2	2.0	2.0	4,529.1	1.25	4,529.1		226.5	362.4	905.9	1.00	125.9	1.25	157.3	2.00	125.8
Sub-Totals															572	915						
Location 1f Totals (Carried to Location Sub-Summary)															1,487	2,286		318		397		318
1g	Fai.	S.R. 188	24.53	26.53	2.00	10,560.00	2	2.0	2.0	4,693.3	1.25	4,693.3		234.7	375.5	938.7	1.00	130.4	1.25	163.0	2.00	130.4
			Sub-Totals													235	376					
Location 1g Totals (Carried to Location Sub-Summary)															611	939		131		163		131

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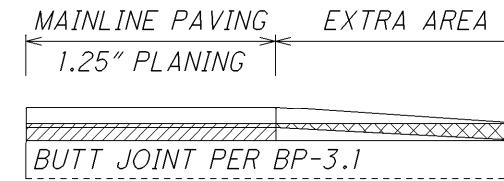
CALCULATED
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SHOULDER DATA

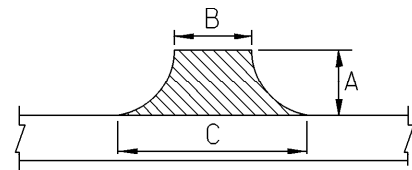
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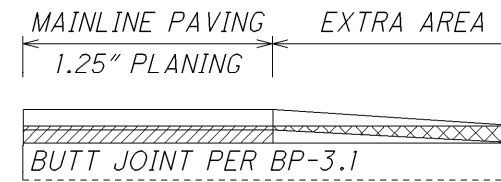
$$AREA = \left[\frac{A}{2} (B + C) \right] \times 9$$



Extra Area Data															
Location	County	Route	Description	Side	Intersections (FT)			Extra Area (SY)	202		407		441		
					A	B	C		WEARING COURSE REMOVED	NON-TRACKING TACK COAT (@0.050 Gal/SY)	NON-TRACKING TACK COAT (@0.080 Gal/SY)	Thickness	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448)	Thickness	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448) PG 64-22
					SY	GAL	GAL		Inches	CY	Inches	CY			
1a	Fai.	S.R. 188	Concordia Dr.	Lt.	12	38	87	83.4	83.4	4.2	6.7	1.00	2.4	1.25	2.9
Sub-Totals										5	7				
Location 1a Totals (Carried to Location Sub-Summary)								84		12		3		3	
1c	Fai.	S.R. 188	Tiki Ln.	Lt.	12	69	93	108.0	108.0	5.4	8.7	1.00	3.0	1.25	3.8
			Ridgeview Ct.	Lt.	12	57	79	90.7	90.7	4.6	7.3	1.00	2.6	1.25	3.2
			Hanover Ct.	Rt.	12	35	58	62.0	62.0	3.1	5.0	1.00	1.8	1.25	2.2
Sub-Totals										14	21				
Location 1c Totals (Carried to Location Sub-Summary)								261		35		8		10	
1e	Fai.	S.R. 188	Mud House Rd.	Rt.	12	36	97	88.7	88.7	4.5	7.1	1.00	2.5	1.25	3.1
			Rainbow Dr.	Lt.	12	32	76	72.0	72.0	3.6	5.8	1.00	2.0	1.25	2.5
			Berry Dr.	Lt.	12	32	70	68.0	68.0	3.4	5.5	1.00	1.9	1.25	2.4
			Pleasant Way	Rt.	12	25	50	50.0	50.0	2.5	4.0	1.00	1.4	1.25	1.8
			Coonpath Rd.	Lt.	12	30	61	60.7	60.7	3.1	4.9	1.00	1.7	1.25	2.2
			Coonpath Rd.	Rt.	12	30	50	53.4	53.4	2.7	4.3	1.00	1.5	1.25	1.9
Sub-Totals										20	32				
Location 1e Totals (Carried to Location Sub-Summary)								393		52		11		14	



$$AREA = \left[\frac{A}{2} (B + C) \right] / 9$$



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Extra Area Data															
Location	County	Route	Description	Side	Intersections (FT)			Extra Area (SY)	202	407		441			
					WEARING COURSE REMOVED	NON-TRACKING TACK COAT (@ 0.050 Gal/SY)	NON-TRACKING TACK COAT (@ 0.080 Gal/SY)		Thickness	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448)	Thickness	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448) PG 64-22	A	B	C
													SY	GAL	GAL
1f	Fai.	S.R. 188	Beatty Rd.	Rt.	12	17	37	36.0	36.0	1.8	2.9	1.00	1.0	1.25	1.3
			Carroll Eastern Rd.	Lt.	12	25	51	50.7	50.7	2.6	4.1	1.00	1.5	1.25	1.8
			Carroll Eastern Rd.	Rt.	12	20	39	39.4	39.4	2.0	3.2	1.00	1.1	1.25	1.4
			Pleasantville Corp.												
			Richland Rd.	Rt.	12	30	77	71.4	71.4	3.6	5.8	1.00	2.0	1.25	2.5
			Academy St.	Rt.	12	26	42	45.4	45.4	2.3	3.7	1.00	1.3	1.25	1.6
			Alley	Rt.	4	15	15	6.7	6.7	0.4	0.6	1.00	0.2	1.25	0.3
			Alley	Rt.	4	15	13	6.3	6.3	0.4	0.6	1.00	0.2	1.25	0.3
			Alley	Lt.	4	15	20	7.8	7.8	0.4	0.7	1.00	0.3	1.25	0.3
			Walnut St.	Li.	12	34	44	52.0	52.0	2.6	4.2	1.00	1.5	1.25	1.9
			Walnut St.	Rt.	12	23	25	32.0	32.0	1.6	2.6	1.00	0.9	1.25	1.2
			Columbus St.	Li.	12	28	37	43.4	43.4	2.2	3.5	1.00	1.3	1.25	1.6
			Columbus St.	Rt.	12	40	40	53.4	53.4	2.7	4.3	1.00	1.5	1.25	1.9
			Extra Area @ Columbus St.	Rt.	167	23		213.4	213.4	10.7	17.1	1.00	6.0	1.25	7.5
			Alley	Rt.	4	10	20	6.7	6.7	0.4	0.6	1.00	0.2	1.25	0.3
			Alley	Rt.	4	13	22	7.8	7.8	0.4	0.7	1.00	0.3	1.25	0.3
			Alley	Rt.	4	13	25	8.5	8.5	0.5	0.7	1.00	0.3	1.25	0.3
			High St.	Rt.	12	25	41	44.0	44.0	2.2	3.6	1.00	1.3	1.25	1.6
			Summit St.	Lt.	12	25	50	50.0	50.0	2.5	4.0	1.00	1.4	1.25	1.8
			Pleasantville Corp.												
			Musser Rd.	Li.	12	25	72	64.7	64.7	3.3	5.2	1.00	1.8	1.25	2.3
			Lake Rd. (Connector)	Rt.	12	20	42	41.4	41.4	2.1	3.4	1.00	1.2	1.25	1.5
			Lake Rd.	Rt.	12	25	48	48.7	48.7	2.5	3.9	1.00	1.4	1.25	1.7
			Lake Rd.	Lt.	12	35	113	98.7	98.7	5.0	7.9	1.00	2.8	1.25	3.5
Sub-Totals										53	84				
Location 1f Totals (Carried to Location Sub-Summary)								1,029		137		30		37	
1g	Fai.	S.R. 188	S.R. 256	Lt.	12	26	55	54.0	54.0	2.7	4.4	1.00	1.5	1.25	1.9
			S.R. 256	Rt.	12	26	55	54.0	54.0	2.7	4.4	1.00	1.5	1.25	1.9
			Cattail Rd.	Li.	12	25	74	66.0	66.0	3.3	5.3	1.00	1.9	1.25	2.3
			Cattail Rd.	Rt.	12	21	52	48.7	48.7	2.5	3.9	1.00	1.4	1.25	1.7
			Waier St.	Li.	12	18	46	42.7	42.7	2.2	3.5	1.00	1.2	1.25	1.5
			New Salem Rd.	Rt.	12	28	72	66.7	66.7	3.4	5.4	1.00	1.9	1.25	2.4
			Canal Rd.	Li.	12	28	69	64.7	64.7	3.3	5.2	1.00	1.8	1.25	2.3
			East St.	Lt.	12	20	44	42.7	42.7	2.2	3.5	1.00	1.2	1.25	1.5
Sub-Totals										23	36				
Location 1g Totals (Carried to Location Sub-Summary)								440		59		13		16	

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EXTRA AREA DATA

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Edge Line Data													
L o c a t i o n	C o u n t y	R o u t e	B e g i n L o g P o i n t (S L M)	E n d L o g P o i n t (S L M)	L e n g t h (M i l e s)	Information Only						648	R e m a r k s
						W h i t e E d g e L i n e (Q u a n t i t i e s)			Y e l l o w E d g 			E D G E L I N E, 6"	
						T o t a l M i l e s	H i g h w 	R a m p M 	T o t a l 	H i g h w 	R a m p M 		
1a	Fai.	S.R. 188	16.02	16.53	0.51	1.02	1.02					1.02	
Location 1a Total (Carried to Location Sub-Summary)											1.02		
1b	Fai.	S.R. 188	16.53	16.74	0.21	0.42	0.42					0.42	
Location 1b Total (Carried to Location Sub-Summary)											0.42		
1c	Fai.	S.R. 188	16.74	17.01	0.27	0.54	0.54					0.54	
Location 1c Total (Carried to Location Sub-Summary)											0.54		
1d	Fai.	S.R. 188	17.01	17.30	0.29	0.58	0.58					0.58	
Location 1d Total (Carried to Location Sub-Summary)											0.58		
1e	Fai.	S.R. 188	17.30	19.06	1.76	3.52	3.52					3.52	
Location 1e Total (Carried to Location Sub-Summary)											3.52		
1f	Fai.	S.R. 188	19.06	22.00	2.94	5.88	5.88					5.88	
			22.60	24.53	1.93	3.86	3.86					3.86	
Location 1f Total (Carried to Location Sub-Summary)											9.74		
1g	Fai.	S.R. 188	24.53	26.53	2.00	4.00	4.00					4.00	
Location 1g Total (Carried to Location Sub-Summary)											4.00		

Center Line Data									
L o c a t i o n	C o u n t y	R o u t e	B e g i n L o g P o i n t (S L M)	E n d L o g P o i n t (S L M)	L e n g t h (M i l e s)	I n f o r m a t i o n O n l y		648	R e m a r k s
						C e n t e r L i n e (Q u a n t i t i e s)		C E N T E R L I N E	
						T o t a l M i l e s	E q u i v a l e n t S o l i d L i n e		
1a	Fai.	S.R. 188	16.02	16.53	0.51	0.51	1.020	0.51	Begin @ Lancaster East Corp. Limit
			16.20	16.26	0.06	0.06	0.120	0.06	Double Center Line @ Tum Lane
			16.29	16.35	0.06	0.06	0.120	0.06	Double Center Line @ Tum Lane
Location 1a Total (Carried to Location Sub-Summary)								0.63	
1b	Fai.	S.R. 188	16.53	16.74	0.21	0.21	0.420	0.21	
			Location 1b Total (Carried to Location Sub-Summary)						
1c	Fai.	S.R. 188	16.74	17.01	0.27	0.27	0.540	0.27	
			Location 1c Total (Carried to Location Sub-Summary)						
1d	Fai.	S.R. 188	17.01	17.30	0.29	0.29	0.580	0.29	
			Location 1d Total (Carried to Location Sub-Summary)						
1e	Fai.	S.R. 188	17.30	19.06	1.76	1.76	2.565	1.76	
			Location 1e Total (Carried to Location Sub-Summary)						
1f	Fai.	S.R. 188	19.06	24.53	5.47	5.47	8.294	5.47	
			Location 1f Total (Carried to Location Sub-Summary)						
1g	Fai.	S.R. 188	24.53	26.53	2.00	2.00	3.068	2.00	
			Location 1g Total (Carried to Location Sub-Summary)						

Auxiliary Marking Data										
L o c a t i o n	C o u n t y	R o u t e	Description	Side	644					Remarks
					STOP LINE (24")	CROSSWALK LINE (12")	RAILROAD MARKING SYMBOL	SCHOOL SYMBOL MARKING		
								72" EACH	96" EACH	
FT	FT	EACH	EACH	EACH						
1a	Fai.	S.R. 188	Concordia Dr.	Lt.	26					Place at Existing Location.
Location 1a Totals (Carried to Location Sub-Summary)					26					
1c	Fai.	S.R. 188	Tiki Ln.	Lt.	22					Place at Existing Location.
			RidgeviewCt.	Lt.	20					Place at Existing Location.
			Hanover Ct.	Rt.	17					Place at Existing Location.
Location 1c Totals (Carried to Location Sub-Summary)					59					
1e	Fai.	S.R. 188	on S.R. 188					1		Place at Existing Location.
			on S.R. 188					1		Place at Existing Location.
			Mud House Rd.	Rt.	30					Place at Existing Location.
			RaindbowDr.	Lt.	16					Place at Existing Location.
			Berry Dr.	Lt.	25					Place at Existing Location.
			Pleasant Way	Rt.	16					Place at Existing Location.
			on S.R. 188 before Coonpath Rd.		18					Place at Existing Location.
			Coonpath Rd.	Lt.	22					Place at Existing Location.
			Coonpath Rd.	Rt.	18					Place at Existing Location.
			on S.R. 188 after Coonpath Rd.		18					Place at Existing Location.
Location 1e Totals (Carried to Location Sub-Summary)					163			2		

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Auxiliary Marking Data										
Location	County	Route	Description	Side	644					Remarks
					STOP LINE (24")	CROSSWALK LINE (12")	RAILROAD MARKING SYMBOL	SCHOOL SYMBOL MARKING		
								72" EACH	96" EACH	
FT	FT	EACH	EACH	EACH						
1f	Fai.	S.R. 188	Beatty Rd.	Rt.	14					Place at Existing Location.
			Carroll Eastern Rd.	Lt.	14					Place at Existing Location.
			Carroll Eastern Rd.	Rt.	14					Place at Existing Location.
			Pleasantville Corp.							Place at Existing Location.
			Richland Rd.	Rt.	31					Place at Existing Location.
			on S.R. 188				1			Place at Existing Location.
			Academy St.	Rt.	11	62				Place at Existing Location.
			Alley	Rt.	7					Place at Existing Location.
			Alley	Rt.	7					Place at Existing Location.
			Alley	Lt.	7					Place at Existing Location.
			Walnut St.	Lt.	18	78				Place at Existing Location.
			Walnut St.	Rt.		44				Place at Existing Location.
			on S.R. 188 after Walnut St.			74				Place at Existing Location.
			on S.R. 188 before Columbus St.			82				Place at Existing Location.
			Columbus St.	Lt.	14	74				Place at Existing Location.
			Columbus St.	Rt.	20	80				Place at Existing Location.
			on S.R. 188 after Columbus St.			100				Place at Existing Location.
			on S.R. 188				1			Place at Existing Location.
			Alley	Rt.	7					Place at Existing Location.
			Alley	Rt.	7					Place at Existing Location.
			Alley	Rt.	7					Place at Existing Location.
			on S.R. 188 before High St.			52				Place at Existing Location.
			High St.	Rt.	11	44				Place at Existing Location.
			on S.R. 188				1			Place at Existing Location.
			Summit St.	Lt.	10					Place at Existing Location.
			Pleasantville Corp.							Place at Existing Location.
			on S.R. 188				1			Place at Existing Location.
			Musser Rd.	Lt.	29					Place at Existing Location.
			Lake Rd. (Connector)	Rt.	17					Place at Existing Location.
			Lake Rd.	Rt.	22					Place at Existing Location.
			Lake Rd.	Lt.	17					Place at Existing Location.
Location 1f Totals (Carried to Location Sub-Summary)					284	690	2	2		
1g	Fai.	S.R. 188	S.R. 256	Lt.	17					Place at Existing Location.
			S.R. 256	Rt.	17					Place at Existing Location.
			Cattail Rd.	Lt.	19					Place at Existing Location.
			Cattail Rd.	Rt.	13					Place at Existing Location.
			Water St.	Lt.	8					Place at Existing Location.
			New Salem Rd.	Rt.	12					Place at Existing Location.
			Canal Rd.	Lt.	12					Place at Existing Location.
			East St.	Lt.	8					Place at Existing Location.
Location 1g Totals (Carried to Location Sub-Summary)					106					

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PAVEMENT MARKING DATA (AUXILIARY)

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Detail	
1	Tapered Acceleration Lane
2	Deceleration Lane
3	Multilane Divided/Controlled Access
4	4 Lane Divided to 2 Lane Transition
5	4 Lane Undivided to 2 Lane Transition
6	One Lane Bridge
7	Stop Approach

Detail	
8	Thru Approach
9	Two-Way Left Turn Lane
10	Approach with Left Turn Lane
11	Horizontal Curve 40' Spacing (Note 2)
12	Horizontal Curve Alt. (Note 3)
Gap	Center Line at 80' Typical Spacing
Rem	See Remarks

Raised Pavement Marker Data																
L o c a t i o n	C o u n t y	R o u t e	B e g i n L o g P o i n t (SLM)	E n d L o g P o i n t (SLM)	L e n g t h		D e t a i l	621		P r i s m a t i c R e t r o - R e f l e c t o r C o l o r s					R e m a r k s	
								R P M	R A I S E D P A V E M E N T M A R K E R R E M O V E D	I n f o r m a t i o n O n l y						
										O n e - W a y		T w o - W a y				
										W h i t e	Y e l l o	Y e l l o / Y e l l o	W h i t e / R e d	Y e l l o / R e d		
				E A C H	E A C H											
1a	Fai.	S.R. 188	16.02	16.40	0.38	2,006.4	Gap/10	37	37				34	3	Begin/Lancaster East Corp. Limit, Turn Lane @ 16.20	
			16.40	16.49	0.09	475.2	11	12	12				12		PC 16.40, PT 16.49, L = 475', 6 Deg. Curve	
			16.49	16.53	0.04	211.2	Gap	3	3				3			
Sub-Totals												49	3			
Location 1a Totals (Carried to Location Sub-Summary)								52	52							
1b	Fai.	S.R. 188	16.53	16.74	0.21	1,108.8	Gap	14	14				14		Lancaster Corp. Limit	
			Sub-Totals											14		
			Location 1b Totals (Carried to Location Sub-Summary)								14	14				
1c	Fai.	S.R. 188	16.74	16.76	0.02	106	Gap	2	2				2			
			16.76	16.96	0.20	1,056	12	29	29				29		PC 16.85, PT 16.87, L = 106', 12 Deg. Curve	
			16.96	17.01	0.05	264.0	Gap	4	4				4			
Sub-Totals												35				
Location 1c Totals (Carried to Location Sub-Summary)								35	35							
1d	Fai.	S.R. 188	17.01	17.13	0.12	634	Gap	8	8				8			
			17.13	17.30	0.17	898	12	27	27				27		PC 17.22, PT 17.24, L = 106', 12 Deg. Curve	
			Sub-Totals											35		
Location 1d Totals (Carried to Location Sub-Summary)								35	35							

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Detail	
1	Tapered Acceleration Lane
2	Deceleration Lane
3	Multilane Divided/Controlled Access
4	4 Lane Divided to 2 Lane Transition
5	4 Lane Undivided to 2 Lane Transition
6	One Lane Bridge
7	Stop Approach

Detail	
8	Thru Approach
9	Two-Way Left Turn Lane
10	Approach with Left Turn Lane
11	Horizontal Curve 40' Spacing (Note 2)
12	Horizontal Curve Alt. (Note 3)
Gap	Center Line at 80' Typical Spacing
Rem	See Remarks

Raised Pavement Marker Data

Location	County	Route	Begin Log Point (SLM)	End Log Point (SLM)	Length		Detail	621		Prismatic Retro-Reflector Colors					Remarks
								RPM	RAISED PAVEMENT MARKER REMOVED	Information Only					
										One-Way	Two-Way				
Miles	Lin. Ft.	EACH	EACH	White	Yellow	Yellow/ Yellow	White/ Red	Yellow/ Red							
1e	Fai.	S.R. 188	17.30	17.36	0.06	317	Gap	4	4			4			
			17.36	17.40	0.04	211	11	5	5			5			PC 17.36, PT 17.40, L = 211', 9 Deg. Curve
			17.40	17.74	0.34	1,795	Gap	23	23			23			
			17.74	17.95	0.21	1,109	12	32	32			32			PC 17.83, PT 17.86, L = 158', 28 Deg Curve
			17.95	18.22	0.27	1,426	Gap	18	18			18			
			18.22	18.30	0.08	422	11	11	11			11			PC 18.22, PT 18.30, L = 422', 9 Deg. Curve
			18.30	19.06	0.76	4,013	Gap	51	51			51			
Sub-Totals												144			
Location 1e Totals (Carried to Location Sub-Summary)								144	144						
1f	Fai.	S.R. 188	19.06	19.35	0.29	1,531	Gap	20	20			20			
			19.35	19.54	0.19	1,003	12	29	29			29			PC 19.44, PT 19.47, L = 158', 16 Deg. Curve
			19.54	19.56	0.02	106	11	3	3			3			PC 19.54, PT 19.56, L = 106', 9 Deg. Curve
			19.56	20.12	0.56	2,957	Gap	37	37			37			
			20.12	20.32	0.20	1,056	12	29	29			29			PC 20.21, PT 20.23, L = 103', 21 Deg. Curve
			20.32	20.38	0.06	317	Gap	4	4			4			
			20.38	20.42	0.04	211	11	5	5			5			PC 20.38, PT 20.42, L = 211', 7 Deg. Curve
			20.42	20.59	0.17	898	12	26	26			26			PC 20.47, PT 20.50, L = 158', 13 Deg. Curve
			20.59	21.30	0.71	3,749	Gap	47	47			47			
			21.30	21.38	0.08	422	11	11	11			11			PC 21.30, PT 21.38, L = 422', 6 Deg. Curve
			21.38	21.61	0.23	1,214	Gap	16	16			16			
			21.61	21.63	0.02	106	11	3	3			3			PC 21.61, PT 21.63, L = 106', 9 Deg. Curve
			21.63	22.00	0.37	1,954	Gap	25	25			25			Suspend @ Pleasantville West Corp. Limit
22.63	22.77	0.14	739	Gap	10	10			10			Resume @ Pleasantville East Corp. Limit			
22.77	22.98	0.21	1,109	12	32	32			32			PC 22.86, PT 22.89, L = 158', 12 Deg. Curve			
22.98	24.53	1.55	8,184	Gap	103	103			103						
Sub-Totals												400			
Location 1f Totals (Carried to Location Sub-Summary)								400	400						
1g	Fai.	S.R. 188	24.53	24.75	0.22	1,162	12	32	32			32			PC 24.63, PT 24.66, L = 158', 11 Deg. Curve
			24.75	25.96	1.21	6,389	Gap	80	80			80			
			25.96	26.17	0.21	1,109	12	32	32			32			PC 26.05, PT 26.08, L = 158', 13 Deg. Curve
			26.17	26.53	0.36	1,901	Gap	24	24			24			End/Perry County Line
Sub-Totals												168			
Location 1g Totals (Carried to Location Sub-Summary)								168	168						

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Location 1A Sheet Totals											ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	3	3A	4	6	7	8	10	11	12	14					
											ROADWAY				
	240					84					202	23500	324	SY	WEARING COURSE REMOVED
1.02											209	60500	1.02	MILE	LINEAR GRADING
											DRAINAGE				
		1									611	99655	1	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN
		5									638	10801	5	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN
											PAVEMENT				
100											253	02000	100	CY	PAVEMENT REPAIR
				6,712	1,103						254	01000	7,815	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"
				751	94						254	01000	845	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2.25"
				972	156	12					407	20000	1,140	GAL	NON-TRACKING TACK COAT
					240						408	10001	240	GAL	PRIME COAT, AS PER PLAN
						3					441	50000	3	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
	10			260	42						441	50100	312	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	1			208	34	3					441	50200	246	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
					34						617	10101	34	CY	COMPACTED AGGREGATE, AS PER PLAN
											TRAFFIC CONTROL				
										52	621	00100	52	EACH	RPM
										52	621	54000	52	EACH	RAISED PAVEMENT MARKER REMOVED
									26		644	00500	26	FT	STOP LINE
							1.02				648	00104	1.02	MILE	EDGE LINE, 6"
								0.63			648	00300	0.63	MILE	CENTER LINE
											MAINTENANCE OF TRAFFIC				
			3								614	12460	3	EACH	WORK ZONE MARKING SIGN
			2								614	13000	2	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
				0.51							614	21400	0.51	MILE	WORK ZONE CENTER LINE, CLASS II
				0.51							614	21550	0.51	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT

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LOCATION 1A SUB-SUMMARY

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Location 1B Sheet Totals							ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	3	6	7	10	11	14					
ROADWAY											
	120						202	23500	120	SY	WEARING COURSE REMOVED
0.42							209	60500	0.42	MILE	LINEAR GRADING
PAVEMENT											
25							253	02000	25	CY	PAVEMENT REPAIR
		2,711	493				254	01000	3,204	SY	PAVEMENT PLANING, ASPHALT CONCRETE
		353	65				407	20000	418	GAL	NON-TRACKING TACK COAT
			99				408	10001	99	GAL	PRIME COAT, AS PER PLAN
	6	95	18				441	50100	119	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	1	76	14				441	50200	91	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
			14				617	10101	14	CY	COMPACTED AGGREGATE, AS PER PLAN
TRAFFIC CONTROL											
						14	621	00100	14	EACH	RPM
						14	621	54000	14	EACH	RAISED PAVEMENT MARKER REMOVED
				0.42			648	00104	0.42	MILE	EDGE LINE, 6"
					0.21		648	00300	0.21	MILE	CENTER LINE
MAINTENANCE OF TRAFFIC											
		0.21					614	21400	0.21	MILE	WORK ZONE CENTER LINE, CLASS II
		0.21					614	21550	0.21	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT

LOCATION 1B SUB-SUMMARY

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Location 1C Sheet Totals											ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION		
2	3	3A	4	6	7	8	10	11	12	14							
																ROADWAY	
	330					261						202	23500	591	SY	WEARING COURSE REMOVED	
0.54												209	60500	0.54	MILE	LINEAR GRADING	
																DRAINAGE	
		1										611	99655	1	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	
		3										638	10801	3	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	
																PAVEMENT	
50												253	02000	50	CY	PAVEMENT REPAIR	
				3,485	634							254	01000	4,119	SY	PAVEMENT PLANING, ASPHALT CONCRETE	
				454	83	35						407	20000	572	GAL	NON-TRACKING TACK COAT	
					127							408	10001	127	GAL	PRIME COAT, AS PER PLAN	
						10						441	50000	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
	12			121	22							441	50100	155	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
	4			97	18	8						441	50200	127	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
					18							617	10101	18	CY	COMPACTED AGGREGATE, AS PER PLAN	
																TRAFFIC CONTROL	
															35	EACH	RPM
															35	EACH	RAISED PAVEMENT MARKER REMOVED
															59	FT	STOP LINE
									0.54						648	MILE	EDGE LINE, 6"
									0.27						648	MILE	CENTER LINE
																	MAINTENANCE OF TRAFFIC
			12									614	12460	12	EACH	WORK ZONE MARKING SIGN	
				0.27								614	21400	0.27	MILE	WORK ZONE CENTER LINE, CLASS II	
				0.27								614	21550	0.27	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	

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LOCATION 1C SUB-SUMMARY

Location 1D Sheet Totals							ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	3	6	7	10	11	14					
											ROADWAY
	70						202	23500	70	SY	WEARING COURSE REMOVED
0.58							209	60500	0.58	MILE	LINEAR GRADING
											PAVEMENT
25							253	02000	25	CY	PAVEMENT REPAIR
		3,743	681				254	01000	4,424	SY	PAVEMENT PLANING, ASPHALT CONCRETE
		488	90				407	20000	578	GAL	NON-TRACKING TACK COAT
			137				408	10001	137	GAL	PRIME COAT, AS PER PLAN
	4	130	24				441	50100	158	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	1	104	19				441	50200	124	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
			19				617	10101	19	CY	COMPACTED AGGREGATE, AS PER PLAN
											TRAFFIC CONTROL
						35	621	00100	35	EACH	RPM
						35	621	54000	35	EACH	RAISED PAVEMENT MARKER REMOVED
				0.58			648	00104	0.58	MILE	EDGE LINE, 6"
					0.29		648	00300	0.29	MILE	CENTER LINE
											MAINTENANCE OF TRAFFIC
		0.29					614	21400	0.29	MILE	WORK ZONE CENTER LINE, CLASS II
		0.29					614	21550	0.29	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT

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LOCATION 1D SUB-SUMMARY

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Location 1E Sheet Totals										ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	3	4	6	7	8	10	11	12	15					
ROADWAY														
	1,290				393					202	23500	1,683	SY	WEARING COURSE REMOVED
3.52										209	60500	3.52	MILE	LINEAR GRADING
PAVEMENT														
200										253	02000	200	CY	PAVEMENT REPAIR
			22,716	4,131						254	01000	26,847	SY	PAVEMENT PLANING, ASPHALT CONCRETE
			2,954	538	52					407	20000	3,544	GAL	NON-TRACKING TACK COAT
				827						408	10001	827	GAL	PRIME COAT, AS PER PLAN
					14					441	50000	14	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
	46		789	144						441	50100	979	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	16		631	115	11					441	50200	773	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
				115						617	10101	115	CY	COMPACTED AGGREGATE, AS PER PLAN
TRAFFIC CONTROL														
									144	621	00100	144	EACH	RPM
									144	621	54000	144	EACH	RAISED PAVEMENT MARKER REMOVED
								163		644	00500	163	FT	STOP LINE
								2		644	01110	2	EACH	SCHOOL SYMBOL MARKING, 96"
						3.52				648	00104	3.52	MILE	EDGE LINE, 6"
							1.76			648	00300	1.76	MILE	CENTER LINE
MAINTENANCE OF TRAFFIC														
		24								614	12460	24	EACH	WORK ZONE MARKING SIGN
			1.76							614	21400	1.76	MILE	WORK ZONE CENTER LINE, CLASS II
			1.76							614	21550	1.76	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT

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LOCATION 1E SUB-SUMMARY

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Location 1F Sheet Totals											ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	3	3A	4	6	7	9	10	11	13	15					
											ROADWAY				
	1,185					1,029					202	23500	2,214	SY	WEARING COURSE REMOVED
10.94											209	60500	10.94	MILE	LINEAR GRADING
		1									623	39501	1	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
											DRAINAGE				
		14									611	99655	14	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN
		13									638	10801	13	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN
											PAVEMENT				
1,450											253	02000	1,450	CY	PAVEMENT REPAIR
				60,591	11,429						254	01000	72,020	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 1.25"
				9,939							254	01000	9,939	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 2.25"
				9,170	1,487	137					407	20000	10,794	GAL	NON-TRACKING TACK COAT
					2,286						408	10001	2,286	GAL	PRIME COAT, AS PER PLAN
						37					441	50000	37	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
	42			2,450	397						441	50100	2,889	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	12			1,960	318	30					441	50200	2,320	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
					318						617	10101	318	CY	COMPACTED AGGREGATE, AS PER PLAN
											TRAFFIC CONTROL				
										400	621	00100	400	EACH	RPM
										400	621	54000	400	EACH	RAISED PAVEMENT MARKER REMOVED
									284		644	00500	284	FT	STOP LINE
									690		644	00600	690	FT	CROSSWALK LINE
									2		644	01000	2	EACH	RAILROAD SYMBOL MARKING
									2		644	01100	2	EACH	SCHOOL SYMBOL MARKING, 72"
							9.74				648	00104	9.74	MILE	EDGE LINE, 6"
								5.47			648	00300	5.47	MILE	CENTER LINE
											MAINTENANCE OF TRAFFIC				
		38									614	12460	38	EACH	WORK ZONE MARKING SIGN
				5.47							614	21400	5.47	MILE	WORK ZONE CENTER LINE, CLASS II
				5.47							614	21550	5.47	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT

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LOCATION 1F SUB-SUMMARY

FAI-188-16.02

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Location 1G Sheet Totals										ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION		
2	3	4	6	7	9	10	11	13	15							
														ROADWAY		
	445				440						202	23500	885	SY	WEARING COURSE REMOVED	
4.00											209	60500	4.00	MILE	LINEAR GRADING	
															PAVEMENT	
550											253	02000	550	CY	PAVEMENT REPAIR	
			23,467	4,694							254	01000	28,161	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
			3,052	611	59						407	20000	3,722	GAL	NON-TRACKING TACK COAT	
				939							408	10001	939	GAL	PRIME COAT, AS PER PLAN	
					16						441	50000	16	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
	16		815	163							441	50100	994	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
	5		652	131	13						441	50200	801	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
				131							617	10101	131	CY	COMPACTED AGGREGATE, AS PER PLAN	
															TRAFFIC CONTROL	
											168	621	00100	168	EACH	RPM
											168	621	54000	168	EACH	RAISED PAVEMENT MARKER REMOVED
								106			644	00500	106	FT	STOP LINE	
						4.00					648	00104	4.00	MILE	EDGE LINE, 6"	
							2.00				648	00300	2.00	MILE	CENTER LINE	
															MAINTENANCE OF TRAFFIC	
		17									614	12460	17	EACH	WORK ZONE MARKING SIGN	
		1									614	13000	1	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			2.00								614	21400	2.00	MILE	WORK ZONE CENTER LINE, CLASS II	
			2.00								614	21550	2.00	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	

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LOCATION 1G SUB-SUMMARY

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LOCATION TOTALS							PLAN SPLITS				ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
1A	1B	1C	1D	1E	1F	1G	01/S<2/PV (1A,1C,1E)	02/S<2/PV/LAN C (1B,1D)	03/STR/PV (1F)	04/NFA/PV (1G)						
ROADWAY																
324	120	591	70	1,683	2,214	885	2,598	190	2,214	885	202	23500	5,887	SY	WEARING COURSE REMOVED	
1.02	0.42	0.54	0.58	3.52	10.94	4.00	5.08	1.00	10.94	4.00	209	60500	21.02	MILE	LINEAR GRADING	
					1				1		623	39501	1	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	3A
DRAINAGE																
1		1			14		2		14		611	99655	16	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	3A
5		3			13		8		13		638	10801	21	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	3A
PAVEMENT																
100	25	50	25	200	1,450	550	350	50	1,450	550	253	02000	2,400	CY	PAVEMENT REPAIR	
7,815	3,204	4,119	4,424	26,847	72,020	28,161	38,781	7,628	72,020	28,161	254	01000	146,590	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
845					9,939		845		9,939		254	01000	10,784	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2.25"	
1,140	418	572	578	3,544	10,794	3,722	5,256	996	10,794	3,722	407	20000	20,768	GAL	NON-TRACKING TACK COAT	
240	99	127	137	827	2,286	939	1,194	236	2,286	939	408	10001	4,655	GAL	PRIME COAT, AS PER PLAN	2
3		10		14	37	16	27		37	16	441	50000	80	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
312	119	155	158	979	2,889	994	1,446	277	2,889	994	441	50100	5,606	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
246	91	127	124	773	2,320	801	1,146	215	2,320	801	441	50200	4,482	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
34	14	18	19	115	318	131	167	33	318	131	617	10101	649	CY	COMPACTED AGGREGATE, AS PER PLAN	2
TRAFFIC CONTROL																
52	14	35	35	144	400	168	231	49	400	168	621	00100	848	EACH	RPM	
52	14	35	35	144	400	168	231	49	400	168	621	54000	848	EACH	RAISED PAVEMENT MARKER REMOVED	
26		59		163	284	106	248		284	106	644	00500	638	FT	STOP LINE	
				690					690		644	00600	690	FT	CROSSWALK LINE	
				2					2		644	01000	2	EACH	RAILROAD SYMBOL MARKING	
				2					2		644	01100	2	EACH	SCHOOL SYMBOL MARKING, 72"	
			2				2				644	01110	2	EACH	SCHOOL SYMBOL MARKING, 96"	
1.02	0.42	0.54	0.58	3.52	9.74	4.00	5.08	1.00	9.74	4.00	648	00104	19.82	MILE	EDGE LINE, 6"	
0.63	0.21	0.27	0.29	1.76	5.47	2.00	2.66	0.50	5.47	2.00	648	00300	10.63	MILE	CENTER LINE	
MAINTENANCE OF TRAFFIC																
3		12		24	38	17	39		38	17	614	12460	94	EACH	WORK ZONE MARKING SIGN	
2						1	2			1	614	13000	3	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
0.51	0.21	0.27	0.29	1.76	5.47	2.00	2.54	0.50	5.47	2.00	614	21400	10.51	MILE	WORK ZONE CENTER LINE, CLASS II	
0.51	0.21	0.27	0.29	1.76	5.47	2.00	2.54	0.50	5.47	2.00	614	21550	10.51	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
INCIDENTALS																
							LS	LS	LS		614	11000		LS	MAINTAINING TRAFFIC	
							2				619	16000	2	MNTH	FIELD OFFICE, TYPE A	
							LS	LS	LS		623	10000		LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
							LS	LS	LS		624	10000		LS	MOBILIZATION	

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GENERAL SUMMARY
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