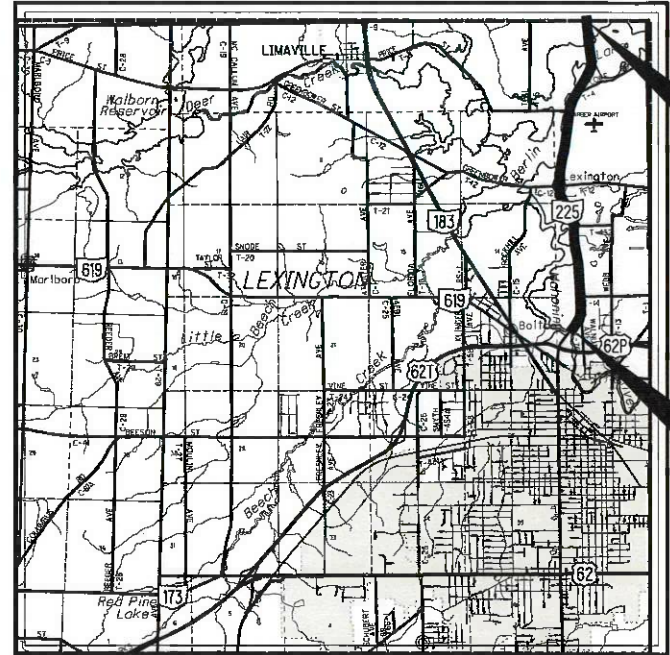


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

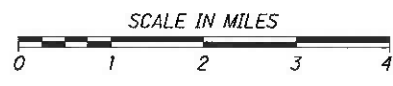
STA - 225 - 00.78

LEXINGTON TOWNSHIP STARK COUNTY



LOCATION MAP

LATITUDE: 40°57'44" LONGITUDE: 81°06'17"



PORTION TO BE IMPROVED	_____
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

DESIGN DESIGNATION

DESIGN FUNCTIONAL CLASSIFICATION:
URBAN PRINCIPAL ARTERIAL (SLM 0.78 - 1.15)
RURAL MINOR ARTERIAL (SLM 1.15 - 4.24)

NHS PROJECT NO

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig



OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
ODOT - DISTRICT 4
2088 S. ARLINGTON RD.
AKRON, OH 44306

ENGINEERS SEAL:

STATE OF OHIO

REGISTERED PROFESSIONAL ENGINEER

MARK J. ANDRASIK
E-80194

SIGNED: *M. J. Andrasik*
DATE: 1/8/20

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/17/20	TC-41.20	10/18/13	800-2019 10/71/20	WPC 12/9/19
BP-3.2	1/18/19	TC-42.20	10/18/13	821 4/20/12	
		TC-52.10	10/18/13	832 10/19/18	
		TC-52.20	7/20/18	872 7/19/19	
DM-4.3	1/15/16	TC-64.10	1/17/20	874 4/17/20	
DM-4.4	1/15/16	TC-65.10	1/17/14	875 4/17/20	
		TC-65.11	7/21/17	921 4/20/12	
MT-95.30	7/19/19	TC-71.10	1/19/18		
MT-95.31	7/19/19				
MT-95.32	4/19/19	MGS-4.3	1/18/13		
MT-97.10	4/19/19				
MT-97.12	1/20/17				
MT-99.20	4/19/19				
MT-101.90	7/17/20				
MT-105.10	1/17/20				

PROJECT DESCRIPTION

RESURFACING OF STA SR-225 FROM SLM 0.78 - 4.24.
MINOR BRIDGE WORK TO 2 STRUCTURES.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES 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 PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED: *[Signature]*
DATE: 1/8/20 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

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FEDERAL PROJECT NO. E161(232)
PID NO. 98393
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT NONE
STA - 225 - 00.78
1 16

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEAD-QUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
 OGPUPS 1-800-925-0988
 ODOT 330-786-2267 MICHELLE CHANEY

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS:

ROUTE	S.L.M. TO S.L.M.	LANE WIDTH
S.R. 225	0.78 - 4.24	12'

PAVEMENT MARKING DETAILS

THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. FOR ANY LOCATIONS THAT PAVEMENT MARKING DETAILS HAVE NOT BEEN MADE AVAILABLE TO THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PUT BACK NEW PAVEMENT MARKINGS IN THE ORIGINAL LOCATIONS.

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 611.10.D FOR MANHOLES, 623.05 FOR MONUMENT BOXES, OR 638.18 FOR VALVE BOXES, THE CONTRACTOR WILL MAKE A CLEAN CIRCULAR CUT AROUND THE CASTING (A MINIMUM OF 1'-0" OUTSIDE OF THE CASTING) AND REMOVE AND DISCARD THE EXISTING CASTING (ACCORDING TO THE TOLERANCES AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1) AFTER THE PAVEMENT SURFACE COURSE HAS BEEN PLACED.

CMS 499 CLASS QCMS CONCRETE (DYE THE CONCRETE SUCH THAT ITS COLOR CLOSELY MATCHES THE COLOR OF THE SURROUNDING PAVEMENT) WILL BE USED FOR BACKFILLING THE FULL PAVEMENT SECTION AND THE JOINT BETWEEN THE ASPHALT AND CONCRETE WILL BE SEALED WITH CMS 702.01 PG BINDER. EPOXY COATED REBAR SHALL BE PLACED IN THE CONCRETE AT 6" MAXIMUM ON CENTER AND A MINIMUM OF 3.5" CLEARANCE FROM THE TOP, BOTTOM AND SIDES. THE CONCRETE WILL BE VIBRATED SUFFICIENTLY TO ELIMINATE AIR POCKETS UNDER THE FRAME.

PAYMENT WILL INCLUDE REMOVAL OF THE EXISTING MATERIAL, INSTALLATION AND FURNISHING OF A NEW CASTING, AND ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS ITEM OF WORK AS DESCRIBED.

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, 2 EACH

INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED 25 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE. A BUTT JOINT, AS PER STANDARD CONSTRUCTION DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT UNLESS SHOWN OTHERWISE ON THE ASPHALT CONCRETE CALCULATIONS SHEET. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE PERTINENT BID ITEM.

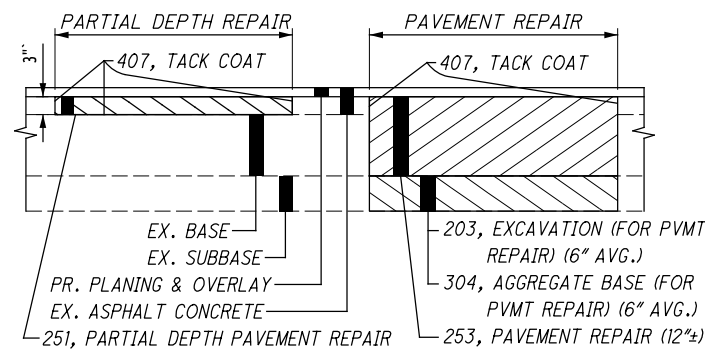
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) (DRIVEWAYS), AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF PAVING ALL EXISTING DRIVEWAYS THAT DO NOT HAVE A CURB CUT OR ARE NOT PAVED AS AN INTERSECTION AS SHOWN ON THE ASPHALT CONCRETE PLAN SHEET. DRIVEWAYS ARE TO BE PAVED A DISTANCE OF 4 FT. FROM THE EDGE OF PAVED SHOULDER UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRIVEWAYS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE. ASPHALT CONCRETE AVERAGE THICKNESSES SHALL BE 2 IN. FOR AGGREGATE DRIVEWAYS (UNIMPROVED) AND 1 IN. FOR IMPROVED DRIVEWAYS. AGGREGATE DRIVEWAYS SHALL BE GRADED PRIOR TO PAVING SUCH THAT SURFACE DRAINAGE DOES NOT ENCRONCH UPON THE PAVED SHOULDER AND SHALL BE GRADED TO ACHIEVE THE THICKNESS OF THE SURFACE COURSE. THE MAXIMUM PAVED WIDTH SHALL NOT EXCEED THAT ALLOWED FOR THROAT AND RADIUS FOR UNCURBED DRIVEWAYS AS PER STANDARD DRIVE DESIGN MANUAL. ALL GRADING, TOOLS, EQUIPMENT, MATERIAL AND INCIDENTALS REQUIRED TO LAYOUT AND CONSTRUCT THE DRIVEWAYS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) (DRIVEWAYS), AS PER PLAN.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 5 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

251, PARTIAL DEPTH PAVEMENT REPAIR (441), 1000 SQ YD



ITEM 253 - PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12"± 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 5 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

252, FULL DEPTH PAVEMENT SAWING, 1200 FT
 253, PAVEMENT REPAIR, 200 SQ YD

ITEM 203 - EXCAVATION (FOR PAVEMENT REPAIR)

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING THE EXISTING SUBGRADE AND SUBBASE TO AN AVERAGE DEPTH OF 6 INCHES OR AS DIRECTED BY THE ENGINEER. EXACT LIMITS OF REMOVAL SHALL BE DETERMINED BY THE ENGINEER. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

203, EXCAVATION (FOR PAVEMENT REPAIR) 35 CU YD

ITEM 304 - AGGREGATE BASE (FOR PAVEMENT REPAIR)

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED AND SHALL BE USED AS DIRECTED BY THE ENGINEER TO BACKFILL AREAS WHICH WERE EXCAVATED UNDER ITEM 203 EXCAVATION (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

304, AGGREGATE BASE (FOR PAVEMENT REPAIR) 35 CU YD

ITEM 408 - PRIME COAT, AS PER PLAN

APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M, AS PER PLAN

703.05 DO NOT USE ANY FINE AGGREGATE FROM A SOURCE DESIGNATED "SR" OR "SRH" ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1", AND ADJACENT TO THE SAFETY EDGE, OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

MODIFIED GRADATION SHALL APPLY:

SIEVE	TOTAL PERCENT PASSING
1-1/2"	100
3/4"	50-100
NO. 4	35-70
NO. 30	9-33
NO. 200	0-13

CALCULATED
 MJP
 CHECKED
 MJA

GENERAL NOTES

STA - 225 - 00.78

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	7	8	9	01/S<2/P V	02/STR/P V	03/S<2/B R	04/STR/B R										
ROADWAY																			
	14							6	8	202	98100	14	EACH	REMOVAL MISC.: BARRIER REFLECTOR	4				
	80					18	62			202	98100	80	EACH	REMOVAL MISC.: GUARDRAIL REFLECTOR	4				
35						5	30			203	10000	35	CY	EXCAVATION (FOR PAVEMENT REPAIR)					
	343					31	312			209	60200	343	STA	LINEAR GRADING					
				358		40	318			209	72000	358	STA	PREPARING SUBGRADE FOR SHOULDER PAVING					
2						2				623	39500	2	EACH	MONUMENT BOX ADJUSTED TO GRADE					
EROSION CONTROL																			
	9,530					862	8,668			659	10000	9,530	SY	SEEDING AND MULCHING					
	1.29					0.12	1.17			659	20000	1.29	TON	COMMERCIAL FERTILIZER					
	1.97					0.18	1.79			659	31000	1.97	ACRE	LIME					
	51.45					4.65	46.8			659	35000	51.45	MGAL	WATER					
						3,000				832	30000	3,000	EACH	EROSION CONTROL					
PAVEMENT																			
	1,000					105	895			251	01000	1,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)					
	1,200					130	1,070			252	01500	1,200	FT	FULL DEPTH PAVEMENT SAWING					
	200					20	180			253	01000	200	SY	PAVEMENT REPAIR					
				58,776		6,768	52,008			254	01000	58,776	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 2")					
35						5	30			304	20000	35	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)					
				7,482		860	6,622			407	20000	7,482	GAL	NON-TRACKING TACK COAT					
				3,183		348	2,835			408	10001	3,183	GAL	PRIME COAT, AS PER PLAN	3				
				2,041		235	1,806			441	50101	2,041	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M)	3				
				2,798		322	2,476			441	50300	2,798	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)					
				15		3	12			441	50401	15	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS), AS PER PLAN	3				
				442		49	393			617	10101	442	CY	COMPACTED AGGREGATE, AS PER PLAN	3				
	6.78						6.78			618	41000	6.78	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)					
	2.89						2.89			618	43000	2.89	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)					
	15,265						15,265			874	20000	15,265	FT	LONGITUDINAL JOINT PREPARATION					
TRAFFIC CONTROL																			
				225		25	200			621	00100	225	EACH	RPM					
				180		20	160			621	54000	180	EACH	RAISED PAVEMENT MARKER REMOVED					
	14							6	8	626	00102	14	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)					
	80					18	62			626	00110	80	EACH	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)					
					6.92	0.74	6.18			646	10010	6.92	MILE	EDGE LINE, 6"					
					3.46	0.37	3.09			646	10200	3.46	MILE	CENTER LINE					
STRUCTURE REPAIRS																			
														FOR STA-225-0075 ESTIMATED QUANTITIES	11				
														FOR STA-225-0385 ESTIMATED QUANTITIES	11				
MAINTENANCE OF TRAFFIC																			
				30		30				614	12460	30	EACH	WORK ZONE MARKING SIGN					
				10		10				614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC					
				6.92		0.74	6.18			614	21100	6.92	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT					
				3.46		0.37	3.09			614	21550	3.46	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT					
				6.92		0.74	6.18			614	22360	6.92	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT					
INCIDENTALS																			
							LS			614	11000	LS		MAINTAINING TRAFFIC					
							6			619	16010	6	MNTH	FIELD OFFICE, TYPE B					
							LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING					
							LS			624	10000	LS		MOBILIZATION					

GENERAL SUMMARY

STA - 225 - 00.78