

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.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

EXISTING BRIDGE PLANS

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT 1 OFFICE IN LIMA, OHIO DURING NORMAL BUSINESS HOURS.

PAINTING OF STRUCTURAL STEEL, AS PER PLAN

THE STRUCTURAL STEEL FOR EACH BRIDGE SHALL BE PAINTED THE FOLLOWING COLORS:

ALL-75-13.87 - GREEN (AMS-595A, 14277)
ALL-75-15.05 - GREEN (AMS-595A, 14277)
DEF-249-0.10 - GREEN (AMS-595A, 14277)

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SCUPPER, LENGTHENING, AS PER PLAN

PORTIONS OF SCUPPERS THAT ARE CORRODED THROUGH ARE TO BE CUT OFF AT A 90 DEGREE ANGLE TO THE SCUPPER BEFORE PAINTING. AFTER PAINTING SCUPPERS ARE TO BE LENGTHENED TO AT LEAST 8" BELOW THE BOTTOM OF THE BOTTOM FLANGE WITH CLAMP ON EXTENSIONS.

NOTIFICATION

THE CONTRACTOR SHALL NOTIFY THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 1 CONSTRUCTION ENGINEER TWO (2) WEEKS PRIOR TO BEGINNING WORK, ALONG WITH THE COUNTY ADMINISTRATORS USING THE LIST OF ODOT COUNTY PHONE NUMBERS BELOW:

ALLEN COUNTY 419-222-9905
DEFIANCE COUNTY 419-782-2826

PERSONAL PROTECTION EQUIPMENT (PPE)

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY & HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

<https://www.transportation.ohio.gov/about-us/policies-and-procedures/220-006-sp>

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)

ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY)

ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES".

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III APPROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

COORDINATION OF CONTRACTORS

SINCE THE MAINTENANCE OF TRAFFIC AND WORK ON THIS PROJECT MAY OVERLAP OTHER PROJECTS, IT IS ESSENTIAL THAT EACH CONTRACTOR CONDUCT THEIR WORK IN COOPERATION WITH EACH OTHER IN SUCH A MANNER AS NOT TO HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY THE OTHER CONTRACTOR.

NORFOLK SOUTHERN RAILWAY COMPANY

ALL WORK TO BE PERFORMED ON, OVER, UNDER, OR ADJACENT TO THE RAILROAD RIGHT-OF-WAY SHALL COMPLY WITH THE NORFOLK SOUTHERN RAILWAY COMPANY ("RAILROAD", "NSR" or "NS") PUBLIC PROJECTS MANUAL (APPENDIX E, SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS, AND APPENDIX H1, OVERHEAD GRADE SEPARATION DESIGN CRITERIA). WHEN IN CONFLICT WITH OTHER PROJECT SPECIFICATIONS, THE MOST STRINGENT ONE SHALL APPLY.

"ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL & COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO DAYS IN ADVANCE OF WORK AT LOCATIONS WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE THE RAILROAD'S UNDERGROUND FACILITIES. UPON REQUEST FROM THE CONTRACTOR OR SPONSOR, RAILROAD PERSONNEL WILL LOCATE AND PAINT, MARK, OR FLAG THE RAILROAD'S UNDERGROUND FACILITIES. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE FACILITIES. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD FACILITY, THE CONTRACTOR SHALL COORDINATE WITH THE RAILROAD TO HAVE THE FACILITY POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION. THE FACILITY SHALL BE PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF THE RAILROAD'S REPRESENTATIVE. (SEE NS PUBLIC PROJECTS MANUAL, APPENDIX E, SECTION 3.D)

THE CONTRACTOR SHALL NOT COMMENCE ANY WORK ON RAILROAD RIGHT-OF-WAY UNTIL COMPLIANCE IS MET WITH THE CONDITIONS PRESENTED ON NS PUBLIC PROJECTS MANUAL (SEE APPENDIX E, NORFOLK SOUTHERN - SPECIAL PROVISIONS FOR PROTECTION OF RAILWAY INTERESTS). THE CONTRACTOR SHALL SO ARRANGE AND CONDUCT HIS WORK THAT THERE WILL BE NO INTERFERENCE WITH RAILROAD'S OPERATIONS. WHENEVER WORK IS LIABLE TO AFFECT THE OPERATIONS OR SAFETY OF TRAINS, THE METHODS OF DOING SUCH WORK SHALL FIRST BE SUBMITTED TO THE RAILROAD ENGINEER FOR APPROVAL, BUT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY. RIGHT-OF-WAY AND/OR SECURITY FENCE SHALL BE PROVIDED AS DIRECTED BY THE NS PUBLIC PROJECT ENGINEER.

THE CONTRACTOR SHALL AT NO TIME ENTER THE RAILROAD RIGHT-OF-WAY WITH PERSONNEL OR EQUIPMENT UNTIL COMPLIANCE HAS BEEN MET WITH THE REQUIREMENTS PRESENTED IN THE NS PUBLIC PROJECTS MANUAL INCLUDING APPROVED RAILROAD PROTECTIVE INSURANCE, A CONTRACTOR RIGHT OF ENTRY, PROTECTIVE SERVICES ("FLAGGING"), AND RECEIVED FROM NS WRITTEN AUTHORIZATION TO PROCEED. (SEE APPENDIX E OF THE MANUAL, "NORFOLK SOUTHERN - SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS"). THE CONTRACTOR SHALL SO ARRANGE AND CONDUCT WORK SUCH THAT THERE WILL BE NO INTERFERENCE WITH THE RAILROAD'S OPERATIONS. WHENEVER WORK IS LIABLE TO AFFECT THE OPERATIONS OR SAFETY OF TRAINS, THE METHODS OF DOING SUCH WORK SHALL FIRST BE SUBMITTED TO THE RAILROAD ENGINEER FOR APPROVAL, BUT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY. RAILROAD PROTECTIVE SERVICES ("FLAGGING") AND/OR SECURITY FENCE SHALL BE PROVIDED AS DIRECTED BY THE RAILROAD ENGINEER OR HIS FIELD REPRESENTATIVE.

THE CONTRACTOR IS REQUIRED TO SUBMIT A CONTAINMENT PLAN TO NORFOLK SOUTHERN DEPICTING THE PAINT PROCESS AND HOW CONTAMINATION OF NORFOLK SOUTHERN RIGHT-OF-WAY WITH PAINT/DEBRIS SHALL BE PREVENTED.

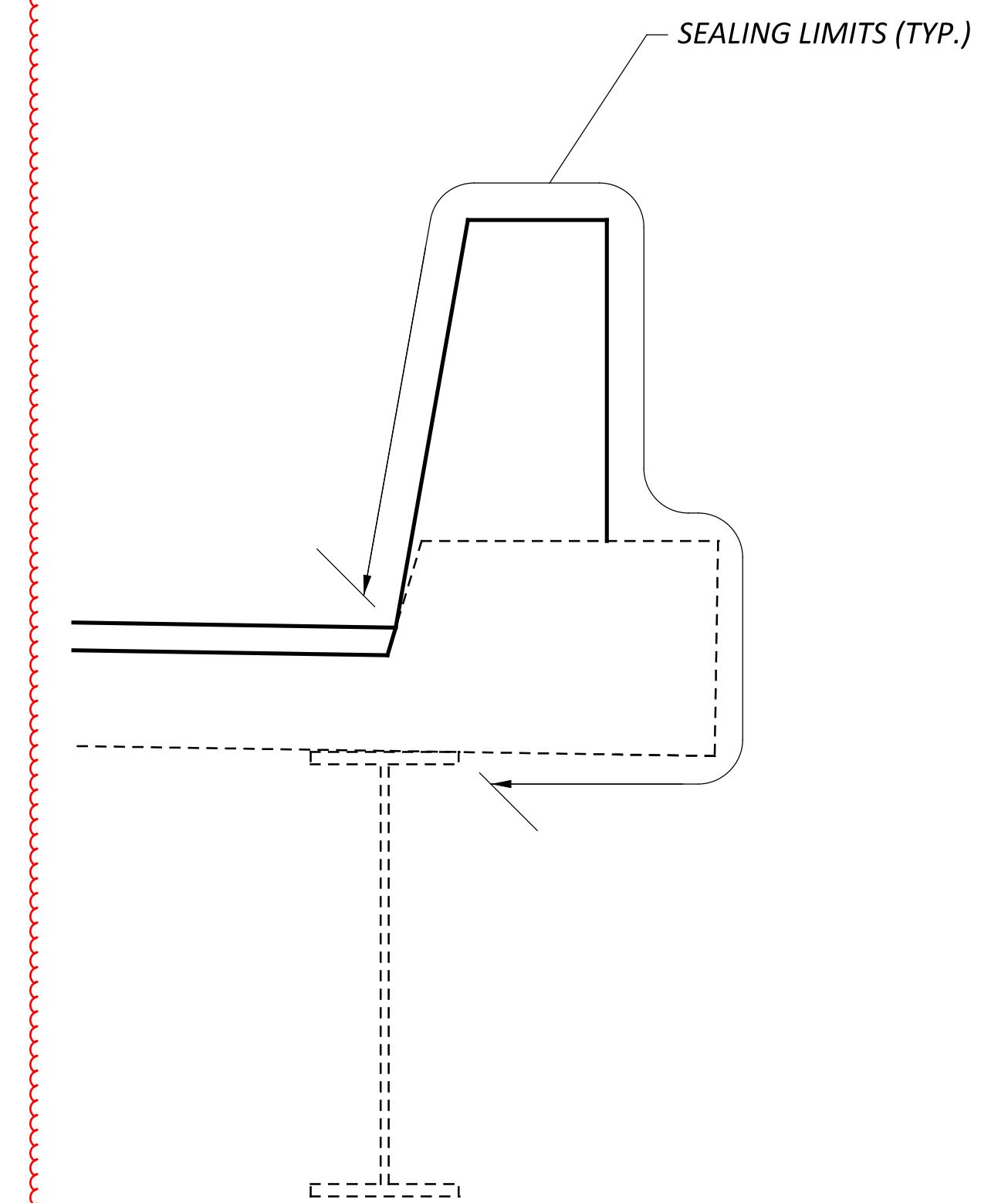
IF ANY UTILITIES MUST BE INSTALLED OR RELOCATED AS PART OF THIS PROJECT AT LOCATIONS: ALL-75-13.87 AND ALL-75-15.05 IN THE NORFOLK AND SOUTHERN RAILROAD RIGHT-OF-WAY THE FOLLOWING NOTE MUST BE COMPLETED PRIOR TO SUCH WORK OCCURRING: ALL UTILITY INSTALLATIONS OR RELOCATIONS THAT ARE REQUIRED IN CONJUNCTION WITH THIS PROJECT CAN BE INSTALLED OR RELOCATED AS PART OF THE PROJECT PROVIDED THE CONSTRUCTION IS PERFORMED BY THE PROJECT CONTRACTOR OR PROJECT CONTRACTOR'S SUB-CONTRACTOR. HOWEVER, THE UTILITY MUST SUBMIT AN APPLICATION FOR THE INSTALLATION OR RELOCATION TO RAILPROS OR APPROPRIATE HANDLING FOR LICENSE AGREEMENT AND APPLICABLE FEES. FOR UTILITY APPLICATIONS GO TO: [HTTPS://WWW.NORFOLKSOUTHERN.COM/EN/RAIL-DEVELOPMENT-PROPERTY/NS-PROPERTY/PROJECTS-ON-NS-PROPERTY/PIPE-AND-WIRE](https://www.norfolksouthern.com/en/rail-development-property/ns-property/projects-on-ns-property/pipe-and-wire) OR [WWW.NSCORP.COM](http://www.nscorp.com) > RAIL DEVELOPMENT & PROPERTY > REAL ESTATE > OVERVIEW > PIPE, WIRE & FIBER OPTICS

THE RAILROAD MAY BE CONTACTED USING THE FOLLOWING INFORMATION:

ELDRIDGE W. CHAMBERS
ENGINEER PUBLIC IMPROVEMENTS
NORFOLK SOUTHERN CORPORATION
650 PEACHTREE STREET, NW, BOX 45
ATLANTA, GA 30308
(470)-463-6307
Eldridge.Chambers@nscorp.com

SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

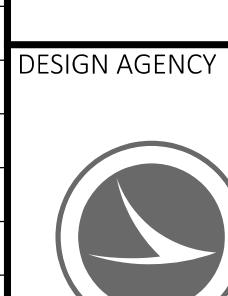
THE DRAWING BELOW SHOWS THE EXTENTS OF THE SEALING OF CONCRETE SURFACES AT DEF-249-0.10. THIS IS BASED ON SEALING BOTH SIDES WITH AN EDGE DISTANCE OF 9.83' FOR 195'. A QUANTITY OF 426 SY HAS BEEN CARRIED TO THE GENERAL SUMMARY.



DESIGN AGENCY
KRH
REVIEWER

PROJECT ID
119050
SHEET TOTAL
P.3 18

SHEET NUM.								PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
		3	4	5	6		OFFICE CALCS	01/STR/47	02/IMS/47							
								LS	LS	201	11000	LS		ROADWAY		
														CLEARING AND GRUBBING		
								1,000	200	800	832	30000	1,000	EACH	EROSION CONTROL	
								17,225		17,225	514	00050	17,225	SF	STRUCTURE OVER 20 FOOT SPAN (ALL-75-13.87) SFN: 0202495 SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
								17,225		17,225	514	00056	17,225	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
								17,225		17,225	514	00060	17,225	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
								17,225		17,225	514	00066	17,225	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
								24		24	514	00504	24	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
								22		22	514	10000	22	EACH	FINAL INSPECTION REPAIR	
								20		20	518	12901	20	EACH	SCUPPER, LENGTHENING, AS PER PLAN	3
														STRUCTURE OVER 20 FOOT SPAN (ALL-75-15.05) SFN: 0202614		
								38,954		38,954	514	00050	38,954	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
								38,954		38,954	514	00056	38,954	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
								38,954		38,954	514	00060	38,954	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
								38,954		38,954	514	00066	38,954	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
								31		31	514	00504	31	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
								24		24	514	10000	24	EACH	FINAL INSPECTION REPAIR	
								25		25	518	12901	25	EACH	SCUPPER, LENGTHENING, AS PER PLAN	3
														STRUCTURE OVER 20 FOOT SPAN (DEF-249-0.10) SFN: 2002280		
		426							426		512	10100	426	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								8,339	8,339		514	00050	8,339	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
								8,339	8,339		514	00056	8,339	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
								8,339	8,339		514	00060	8,339	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
								8,339	8,339		514	00066	8,339	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
								12	12		514	00504	12	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
								15	15		514	10000	15	EACH	FINAL INSPECTION REPAIR	
								34	34		518	12901	34	EACH	SCUPPER, LENGTHENING, AS PER PLAN	3
														MAINTENANCE OF TRAFFIC		
								20		20	253	02000	20	CY	PAVEMENT REPAIR	
								20		20	407	20000	20	GAL	NON-TRACKING TACK COAT	
								10		10	441	70000	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
								800		800	614	11110	800	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
											614	12420	LS		DETOUR SIGNING	
								10		5	614	12500	10	EACH	REPLACEMENT SIGN	
								30		30	614	12600	30	EACH	REPLACEMENT DRUM	
								10		10	614	18601	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	5
								50		50	617	10100	50	CY	COMPACTED AGGREGATE	
								243,000		243,000	900	00100	243,000	EACH	RAILROAD FLAGGING SERVICES	
											LS	614	11000	LS	MAINTAINING TRAFFIC	
											LS	624	10000	LS	MOBILIZATION	
														ITEMS OF WORK		
														INCIDENTALS		



DESIGNER

KRH

REVIEWER

XXX MM-DD-YY

PROJECT ID

119050

SHEET TOTAL

P.9 18