

**ITEM 618 - RUMBLE STRIPS, (ASPHALT CONCRETE), AS PER PLAN**

THIS PAY ITEM IS FOR REMOVAL OF RUMBLE STRIPS ONLY.

THE CONTRACTOR SHALL MILL 2 INCHES DEEP BY 2 FEET WIDE OF THE EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS ALONG U.S. 33 IN THE AREA WHERE TRAFFIC IS SHIFTED. THE CONTRACTOR SHALL THEN COAT ALL MILLED SURFACES, HORIZONTAL AND VERTICAL, WITH APPROVED AC LIQUID. NEXT THE CONTRACTOR SHALL PLACE 2 INCHES OF ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448). THE COST OF THE REMOVAL OF THE EXISTING PAVEMENT, AND PLACEMENT OF THE SURFACE COURSE IN THE MILLED AREA OF THE RUMBLE STRIPS SHALL BE INCLUDED IN UNIT PRICE BID PER FOOT OF ITEM 618 - RUMBLE STRIPS (ASPHALT CONCRETE), AS PER PLAN. SEE SHEETS 6 AND 7 FOR ESTIMATED QUANTITIES OF THE REMOVAL AND PLACEMENT LIMITS OF ASPHALT FOR FILLING THE MILLED AREA.

**FLOODLIGHTING**

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

DESIGN AGENCY



DISTRICT 7  
ENGINEERING


DESIGNER  
LCG

REVIEWER  
MRB 08/20/20

PROJECT ID  
103822

SHEET TOTAL  
P.05 36

SHEET NUM.										PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3			6	7					CALC	01/NHS/BR			EXT	TOTAL				
																<b>ROADWAY</b>		
									2,611	2,611			202	23500	2,611	SY	WEARING COURSE REMOVED	
			3,800	880						4,680			622	41100	4,680	FT	PORTABLE BARRIER, UNANCHORED	
																	<b>EROSION CONTROL</b>	
									1,000	1,000			832	30000	1,000	EACH	EROSION CONTROL	
																	<b>PAVEMENT</b>	
									212	212			407	10000	212	GAL	TACK COAT	
									112	112			441	50000	112	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
									8,159	8,159			618	40100	8,159	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
			6,470	1,689						8,159			618	40101	8,159	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	5
																	<b>TRAFFIC CONTROL</b>	
10										10			621	90000	10	EACH	RPM, MISC.: REMOVED	3
10										10			621	00100	10	EACH	RPM	
90										90			621	90000	90	EACH	RPM, MISC.: REFLECTORS, AS PER PLAN	3
									1.91	1.91			642	00104	1.91	MILE	EDGE LINE, 6", TYPE 1	
									1.19	1.19			642	00204	1.19	MILE	LANE LINE, 6", TYPE 1	
									751	751			642	01510	751	FT	DOTTED LINE, 6", TYPE 1	
																	<b>STRUCTURE REPAIR (LOG-33-1596R)</b>	
									LS	LS			202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	2
									832	832			509	10000	832	LB	EPOXY COATED REINFORCING STEEL	
									50	50			509	20001	50	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	2
									107	107			510	10000	107	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
									10	10			511	34410	10	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	
									7	7			511	34444	7	CY	CLASS QC2 CONCRETE, BRIDGE DECK	
									973	973			512	10100	973	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
									13	13			512	10600	13	FT	CONCRETE REPAIR BY EPOXY INJECTION	
									167	167			512	74000	167	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
									108	108			516	11210	108	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	
									102	102			516	31011	102	FT	2" DEEP JOINT SEALER, AS PER PLAN	2
									1	1			516	45305	1	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	2
									5	5			516	46701	5	EACH	RESET BEARING, AS PER PLAN	2
									LS	LS			516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	2
									66	66			519	11101	66	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	2
									929	929			848	10100	929	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION, 1 3/4"	
									907	907			848	20001	907	SY	SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN	2
									81	81			848	30100	81	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
									77	77			848	50000	77	SY	HAND CHIPPING	
									LS	LS			848	50100	LS		TEST SLAB	
									1	1			848	50200	1	CY	FULL-DEPTH REPAIR	

DESIGN AGENCY  
  
 DISTRICT 7  
 ENGINEERING  
 DESIGNER  
**LCG**  
 REVIEWER  
 MRB 08/14/20  
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 103822  
 SHEET TOTAL  
 P.20 36