# OHIO 113

## GENERAL NOTES

FOR GENERAL NOTES, SEE SHEET 1 / 78 AND 2 / 78

#### PROPOSED WORK

THE WORK PROPOSED FOR THESE STRUCTURES SHALL BE ACCOMPLISHED IN TWO CONSTRUCTION STAGES AND IS COMPRISED OF BUT NOT LIMITED TO THE FOLLOWING:

- 1. REMOVAL OF THE REINFORCED CONCRETE DECK INCLUDING PARAPETS AND
- RAILING. REMOVAL OF THE ROADWAY END DAMS.
- REMOVAL OF THE EXISTING SCUPPERS.
- 4. REMOVAL OF WINGWALL PARAPETS AND EXISTING MEDIAN BARRIERS TO THE LIMITS SHOWN IN THE BRIDGE DRAWINGS.
- REMOVAL OF EXISTING ASPHALT WEARING SURFACE ON APPROACH SLABS.
- INSTALLING STRUCTURAL PORTIONS OF EXPANSION JOINTS.
- PLACEMENT OF NEW SHEAR STUDS ON BEAMS.
- 8. CONSTRUCTING A NEW REINFORCED CONCRETE DECK SLAB AND NEW SAFETY PARAPETS.\*
- CONSTRUCTING NEW CONCRETE WINGWALL SAFETY PARAPETS AND MEDIAN TRANSITION BARRIERS.
- 10. PATCHING DELAMINATED AREAS AT THE ABUTMENTS AND PIERS.
- 11. SEALING OF DESIGNATED CONCRETE SURFACES.
- 12. WIDEN AND OVERLAY WITH ASPHALT CONCRETE THE EXISTING APPROACH SLABS.
- 13. INSTALL ELASTOMERIC STRIP SEALS IN ONE CONTINUOUS PIECE IN EACH JOINT.

## ITEM 202 - PORTIONS OF STRUCTURES REMOVED

THIS ITEM SHALL INCLUDE FOR BOTH LAK-2-0363 (L) AND LAK-2-0363 (R) THE COMPLETE REMOVAL OF THE EXISTING REINFORCED CONCRETE DECK AND PARAPETS, THE COMPLETE REMOVAL OF THE PARAPETS AT THE WINGWALLS, AND THE COMPLETE REMOVAL OF ALL EXPANSION JOINT HARDWARE INCLUDING THOSE PORTIONS OF END DAM GUSSET PLATES AS INDICATED ON SHEET 78/78 . ALSO INCLUDED IS THE REMOVAL OF THE TOP 1'-3" OF EACH BACKWALL AS INDICATED ON THE ABUTMENT DEMOLITION AND REPAIR DRAWINGS.

THE FOLLOWING ARE APPROXIMATE QUANTITIES OF MATERIALS TO BE REMOVED UNDER THIS ITEM:

- SUPERSTRUCTURE CONCRETE (APPROX. 450 CUBIC YARDS)
- 2. SUBSTRUCTURE CONCRETE (APPROX. 11 CUBIC YARDS) 3. CONCRETE PARAPET (APPROX. 666 LINEAR FEET)

THE PLYWOOD BETWEEN THE BOTTOM FLANGES OF THE BEAMS SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE LAKE COUNTY ENGINEER. IT SHALL BE LOADED INTO THE CONTRACTOR'S TRUCKS, HAULED TO THE LAKE COUNTY ENGINEER'S GARAGE AT 3461 LOST NATION ROAD IN WILLOUGHBY, OHIO 44094, AND UNLOADED THERE IN A PREDETERMINED AREA BY THE CONTRACTOR'S MEN. ALL THE REMOVAL. TRANSPORTATION. AND HANDLING OF THE PLYWOOD AND THE PROTECTION OF THE PUBLIC SHALL BE PAID FOR UNDER ITEM 202 - PORTIONS OF STRUCTURES REMOVED.

THE ABOVE MATERIALS SHALL BE REMOVED IN TWO PHASES AS SHOWN ON SHEET 22 / 78 IN THE PROJECT PLANS. EXCAVATION NECESSARY TO REMOVE AND MODIFY PORTIONS OF THE EXISTING STRUCTURE SHALL BE INCLUDED WITH THIS ITEM FOR PAYMENT.

FOR ADDITIONAL NOTES, SEE ITEM 202 - PORTIONS OF STRUCTURES REMOVED ON SHEET 1 1 7 78 .

### REPAIR OF EXISTING CONCRETE

ITEM 519 - PATCHING CONCRETE STRUCTURES SHALL BE USED AS DIRECTED BY THE ENGINEER AND AS OUTLINED ON THE ABUTMENT DEMOLITION AND REPAIR DRAWINGS TO REPAIR DAMAGED CONCRETE AREAS. ALL SURFACES TO BE PATCHED AND THE EXPOSED REINFORCING STEEL WITHIN, SHALL BE THOROUGHLY CLEANED BY ABRASIVE BLASTING PRIOR TO THE CLEANING SPECIFIED BY 519.04 AND 520.05. CLEANING SHALL PRECEDE APPLICATION OF THE PATCHING MATERIAL BY NOT MORE THAN 24 HOURS.

### ITEM 622 - TEMPORARY CONCRETE BARRIER, BRIDGE MOUNTED

THE TEMPORARY PRECAST CONCRETE BARRIERS ON THESE BRIDGE DECKS MUST BE ATTACHED TO THE DECKS. ANCHORING DETAILS INDICATED ON SHEET 37 / 78 SHALL BE USED.

FURNISHING, INSTALLING, MAINTAINING, AND REMOVING TEMPORARY RAILING, INCLUDING THE COMPLETE OR PARTIAL REMOVAL OF ANCHOR HARDWARE AND THE FILLING OF THE ANCHOR VOIDS WITH NONSHRINKING GROUT, SHALL BE INCLUDED IN ITEM 622 (ROADWAY PLANS) FOR PAYMENT.

#### FIELD PAINTING OF NEW STRUCTURAL STEEL, SYSTEM OZEU, AS THE TENTON

THIS WORK SHALL CONSIST OF SUPPLYING THE MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR THE CLEANING AND FIELD PAINTING OF THOSE PORTIONS OF THE EXPANSION JOINT HARDWARE NOT FULLY ENCASED IN CONCRETE INCLUDING THE NEW GUSSET SPLICE PLATES DETAILED ON SHEET 78 / 78 . ALSO INCLUDED FOR PAYMENT UNDER THIS ITEM IS TOUCH-UP PAINTING OF EXISTING STEEL REQUIRED AS A DIRECT RESULT OF THE INSTALLATION OF ANY NEW STEEL.

NEW STEEL SHALL BE PROVIDED BARE FOR PREPARATION AND PAINTING IN THE FIELD. FOR PURPOSES OF FIELD PAINTING, NEWLY ERECTED STEEL SHALL BE CONSIDERED EXISTING STEEL AND SHALL BE PREPARED AND PAINTED WITH A PRIME, INTERMEDIATE AND FINISH COAT OF PAINT IN CONFORMANCE WITH THE PROPOSAL NOTE "FIELD PAINTING OF EXISTING STEEL, SYSTEM OZEU." COST OF CLEANING AND PAINTING OF NEW STEEL WITH THE OZEU PAINT SYSTEM SHALL BE INCLUDED IN SPECIAL ITEMS "FIELD PAINTING OF NEW STRUCTURAL STEEL, SYSTEM OZEU." AT THE CONTRACTOR'S OPTION, NEW STEEL MAY BE GIVEN A PRELIMINARY CLEANING IN THE SHOP.

#### APPROACH SLAB WIDENING

ALL MATERIALS (INCLUDING BUT NOT LIMITED TO CLASS C CONCRETE, REINFORCING STEEL, DOWELS, AND PREFORMED EXPANSION JOINT FILLER) AND LABOR REQUIRED IN THE WIDENING OF APPROACH SLABS AS INDICATED IN DETAILS ON SHEET 34/78 OF THE BRIDGE PLANS, SHALL BE INCLUDED FOR PAYMENT IN THE PRICE BID PER SQUARE YARD FOR ITEM 611 IN THE ROADWAY QUANTITIES.

ESTIMATED QUANTITIES FOR LAK-2-0363L								
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION		PIERS	SUPER.	GENERAL
202	11200	LUMP	ħ	Portions of Structure Removed				LUMP
509	11400	200	lb:	Reinforcing Steel, Grade 60				200
509	15800	56,142	-1b	Epoxy Coated Reinforcing Steel, Grade 60			53,862	
510	11100	140	EACH	Dowel Holes		State of the State		
511	45700	19	CU. YD.	Class C Concrete, Abutments		· · · · · · · · · · · · · · · · · · ·		
511	34401	250	CU. YD.	Class S Concrete, Superstructure, as per plan (SEE SHT. 36)			250	—
512	33300	17	SQ. YD.	Type A Waterproofing	17			
513	20000	3,122	EACH	Welded Stud Shear Connectors			3,122	
516	11200	128	LIN. FT.	Structural Expansion Joints Including Elastomeric Strip Seals			128	**************
519	11100	60	SQ. FT.	Patching Concrete Structures	50	10		
SPECIAL	512 67500	426	SQ. YD.	Sealing of Concrete Surfaces (See Proposal Note)	80		346	
SPECIAL	512 67504	303	SQ. YD.	Sealing of Concrete Surfaces (Non-Epoxy)(See Proposal Note)		303		
CDECIAL		<i>85</i>	SQ. YD.	Sealing of Concrete Surfaces (Epoxy)(See Proposal Note)	<i>85</i>			
SPECIAL	514 00410	LUMP		Field Painting of New Structural Steel, Surface Preparation, System OZEU.				LUMP
SPECIAL		LUMP	ne e	Field Painting of New Structural Steel, Prime Coat, System OZEU			<u> </u>	LUMP
SPECIAL	514 00430	LUMP		Field Painting of New Structural Steel, Intermediate Coat, System OZEU				LUMP
SPECIAL	514 00440	LUMP	- 1	Field Painting of New Structural Steel, Finish Coat, System OZEU			;———	LUMP

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GENERAL
202	11200	LUMP	, ,	Portions of Structure Removed			<del></del>	LUMP
509	11400	200	<i>1</i> b.	Reinforcing Steel, Grade 60		-		200
509	15800	56,142	<i>l</i> b.	Epoxy Coated Reinforcing Steel, Grade 60	2,280	<u></u>	53,862	
510	11100	140	EACH	Dowel Holes	140			
511	45700	19	CU. YD.	Class C Concrete, Abutments	19			
511	34401	250	CU. YD.	Class S Concrete, Superstructure, as per plan (SEE SHT. 36)	•		250	
512	333∞	17	SQ. YD.	Type A Waterproofing	17			
513	20000	3,122	EACH	Welded Stud Shear Connectors			3,122	
516	11200	128	LIN. FT.	Structural Expansion Joints Including Elastomeric Strip Seals			128	
519	11100	29	SQ. FT.	Patching Concrete Structures	19	10		
SPECIAL	512 67500	426	SQ. YD.	Sealing of Concrete Surfaces (See Proposal Note)	80		346	
SPECIAL	512 67504	302	SQ. YD.	Sealing of Concrete Surfaces (Non-Epoxy)(See Proposal Note)		302		
SPECIAL		<i>85</i>	SQ. YD.	Sealing of Concrete Surfaces (Epoxy)(See Proposal Note)	<i>85</i>			
SPECIAL	514 00410	LUMP		Field Painting of New Structural Steel, Surface Preparation, System OZEU,	Control of the Contro			LUMP
SPECIAL	514 00420	LUMP		Field Painting of New Structural Steel, Prime Coat, System OZEU				LUMP
SPECIAL	514 00430	LUMP		Field Painting of New Structural Steel, Intermediate Coat, System OZEU				LUMP
SPECIAL	514 00440	LUMP		Field Painting of New Structural Steel, Finish Coat, System OZEU				LUMP

	COLPETZER—THOMAS, INC. AN ENGINEERING GROUP WILLOUGHBY • MENTOR • NORTH CANTON • STEUBENVILLE • LORAIN  21 / 78										
	NOTES AND										
	ESTIMATED QUANTITIES										
	BRIDGE NO. LAK-2-0363 L & R										
	OVER BEIDLER ROAD										
	LAKE COUNTY										
,	DESIGNED	DRAWN'	TRACED	CHECKED	REVIEWED DATE	REVISED					
	B.J.A.	J.L.J.	J.L.J.	R.J.C.	J.E.A. 11/15/88	· ·					

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