

SSI007	FasTRACC Crash Cushion Attenuating Terminal Assembled Base Unit	6/08/05
SSI008	FasTRACC Crash Cushion Attenuating Terminal Shop Assembly Details (2 sheets)	6/09/05
SSI009	FasTRACC Crash Cushion Attenuating Terminal Unidirectional, Direct Attachment	6/10/05
SSI010	TRACC Crash Cushion Attenuating Terminal 22' Concrete Foundation Plan	4/04/05
SSI013	ShorTRACC Crash Cushion Attenuating Terminal 15' Concrete Foundation Plan	4/04/05
SSI018	58" WideTRAC Double Flare Plan, Elevation, & Sections Shop Assembly Details (3 sheets)	8/08/05
SSI019	58" WideTRAC Double Flare Plan, Elevation, & Sections Unidirectional, Direct Attachment	8/12/05

ITEM SPECIAL - ASBESTOS ABATEMENT

TWO ASBESTOS SURVEYS WERE CONDUCTED ON THE BRIDGES ALONG THE SR-2 WITHIN THE PROJECT AREA AND WERE COMPLETED ON JUNE 27, 2006 AND JULY 20, 2006 BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST FROM HZW ENVIRONMENTAL CONSULTANTS, INC. THE SURVEY IDENTIFIED THE ASBESTOS CONTAINING MATERIALS AT THE LOCATION LISTED IN THE CHART BELOW.

BRIDGE	DESCRIPTION	SFN	ACM	LOCATION	AMOUNT TO BE REMOVED
LAK-2-3.63	BEIDLER ROAD OVER SR-2	4300483	STRUCTURAL EXPANSION CONSTRUCTION JOINT	ON THE SUPERSTRUCTURE	128 LINEAR FEET
LAK-2-3.63	BEIDLER ROAD OVER SR-2	4300513	STRUCTURAL EXPANSION CONSTRUCTION JOINT	ON THE SUPERSTRUCTURE	128 LINEAR FEET
LAK-2-4.00	WB SR-2 BRIDGE OVER VINE STREET	4300572	GASKET MATERIAL	UNDER RAIL POSTS	30 SQUARE FEET
LAK-2-4.00	EB SR-2 BRIDGE OVER VINE STREET	4300602	GASKET MATERIAL	UNDER RAIL POSTS	30 SQUARE FEET
LAK-2-4.56	NYCRR BRIDGE OVER SR-2	4300661	ASPHALT MASTIC	ON THE SUPERSTRUCTURE	1,980 SQUARE FEET
			WATER PROOFING ASPHALT TREATED FELT	ON THE SUPERSTRUCTURE	3,114 SQUARE FEET
			ASPHALT ROOFING FELT FOR BACKWALL FLASHING	ON THE SUPERSTRUCTURE	216 SQUARE FEET
			1/2-INCH PREFORMED EXPANSION JOINT FILLER	ON THE SUPERSTRUCTURE	30 SQUARE FEET
			DAMP-PROOFING MATERIAL	ON BACK OF ABUTMENTS AND WING WALLS	3,465 SQUARE FEET
			4-6-INCH PERFORATED BITUMINOUS COATED CORRUGATED METAL PIPE	IN THE ABUTMENTS	235 LINEAR FEET
			4-6-INCH BITUMINOUS COATED CORRUGATED METAL PIPE	IN THE ABUTMENTS	80 LINEAR FEET
			GASKET MATERIAL	UNDER RAIL POSTS	25 SQUARE FEET
			GASKET MATERIAL	UNDER RAIL POSTS	25 SQUARE FEET
			WATER PROOFING, PREMOLDED SEALING STRIPS	IN THE ABUTMENTS	42 LINEAR FEET
			1-INCH PREFORMED EXPANSION JOINT FILLER	IN THE ABUTMENTS	31 LINEAR FEET
			WATERPROOFING, PREMOLDED SEALING STRIPS	IN THE ABUTMENTS	48 LINEAR FEET
			1-INCH PREFORMED EXPANSION JOINT FILLER	IN THE ABUTMENTS	35 LINEAR FEET
			1/2 2-INCH PREFORMED EXPANSION JOINT FILLER	ON THE SUPERSTRUCTURE	293 SQUARE FEET
			1/2 2-INCH PREFORMED EXPANSION JOINT FILLER	ON THE SUPERSTRUCTURE	293 SQUARE FEET
			CAULKING MATERIAL	UNDER RAIL POSTS	18 SQUARE FEET
			RAIL GASKET MATERIAL	ON THE PARAPET WALL	4 SQUARE FEET
			RAIL GASKET MATERIAL	ON THE PARAPET WALL	4 SQUARE FEET
			CAULKING MATERIAL	UNDER RAIL POSTS	22 SQUARE FEET
			RAIL GASKET MATERIAL	ON TOP OF PARAPET WALL	40 SQUARE FEET
			RAIL GASKET MATERIAL	ON TOP OF PARAPET WALL	30 SQUARE FEET
			RAIL GASKET MATERIAL	ON TOP OF PARAPET WALL	16 SQUARE FEET
			ELECTRICAL CONDUITS FOR LIGHTING	IN THE PARAPETS	528 LINEAR FEET
			ELECTRICAL CONDUITS FOR LIGHTING	IN THE PARAPETS	528 LINEAR FEET
			ELECTRICAL CONDUITS FOR LIGHTING	IN THE PARAPETS	181 LINEAR FEET
			ELECTRICAL CONDUITS FOR LIGHTING	IN THE PARAPETS	181 LINEAR FEET

WHEN BI-DIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 2-98 [(65 MPH, W=24), (UNIDIRECTIONAL)], EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS/BACKSTOPS, TRANSITIONS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

THE REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIAL DURING THE RECONSTRUCTION OF THE BRIDGES MUST COMPLY WITH THE OHIO ADMINISTRATIVE CODE, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, AND THE NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP) STANDARDS FOR ASBESTOS.

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORMS WITH SECTIONS I-VII AND XVI COMPLETED IS INCLUDED WITH THE BID PACKAGE. A COPY OF THESE FORM SIGNED BY THE BRIDGE OWNER WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR WILL COMPLETE SECTIONS VIII-XIII OF THE SIGNED FORMS AND SUBMIT THE COMPLETED FORMS TO THE LOCAL AIR AUTHORITY AT LEAST TEN (10) DAYS PRIOR TO RECONSTRUCTION OF THE BRIDGES. THE CONTRACTOR WILL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER. THE LOCAL AIR AUTHORITY IS:

ATTN: BERT MECHEMBIER
LAKE COUNTY
AIR POLLUTION CONTROL
33 MILL STREET
PAINESVILLE, OHIO 44077

A COPY OF THE OHIO DEPARTMENT OF HEALTH NOTIFICATION FORM IS ALSO INCLUDED WITH THE BID PACKAGE. A COPY OF THIS FORM MUST BE COMPLETED AND SUBMITTED TO THE OHIO DEPARTMENT OF HEALTH AT LEAST TEN DAYS (10) PRIOR TO THE RECONSTRUCTION OF THE BRIDGES. THE CONTRACTOR WILL PROVIDE A COPY OF THE COMPLETED FORMS TO THE ENGINEER. THE ADDRESS IS:

OHIO DEPARTMENT OF HEALTH
ASBESTOS PROGRAM
246 NORTH HIGH STREET
P.O. BOX 118
COLUMBUS, OHIO 43216-0118

THE CONTRACTOR WILL PROVIDE AN INDIVIDUAL TRAINED IN THE PROVISIONS OF NESHAP THAT WILL BE ON-SITE DURING REMOVAL OF THE ASBESTOS CONTAINING MATERIALS. IN ADDITION TO THE ASBESTOS CONTAINING MATERIAL IDENTIFIED IN THE ASBESTOS SURVEY REPORT, THIS INDIVIDUAL WILL ALSO, MONITOR ANY ADDITIONAL NON-VISIBLE ASBESTOS ENCOUNTERED WITHIN THE PROJECT WORK LIMITS. THE CONTRACTOR WILL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE, SUBMIT, AND COMPLY WITH THE OEPA NOTIFICATION FORM AND TO REMOVE, TRANSPORT, AND DISPOSE OF THE MATERIALS CONTAINING ASBESTOS FROM WITHIN THE PROJECT WORK LIMITS. PAYMENT OF THIS WORK WILL BE INCLUDED IN THE BID LUMP SUM PRICE ITEM SPECIAL - ASBESTOS ABATEMENT.

ITEM UNIT
ITEM SPECIAL - ASBESTOS ABATEMENT LUMP SUM

CALCULATED
PSB
CHECKED
DES

GENERAL NOTES

LAK - 2 - 3.32