MoDOT PARCEL 47
M+L Foods
1717 N. BROADWAY, ST. LOUIS, MO, 63102

NORTH

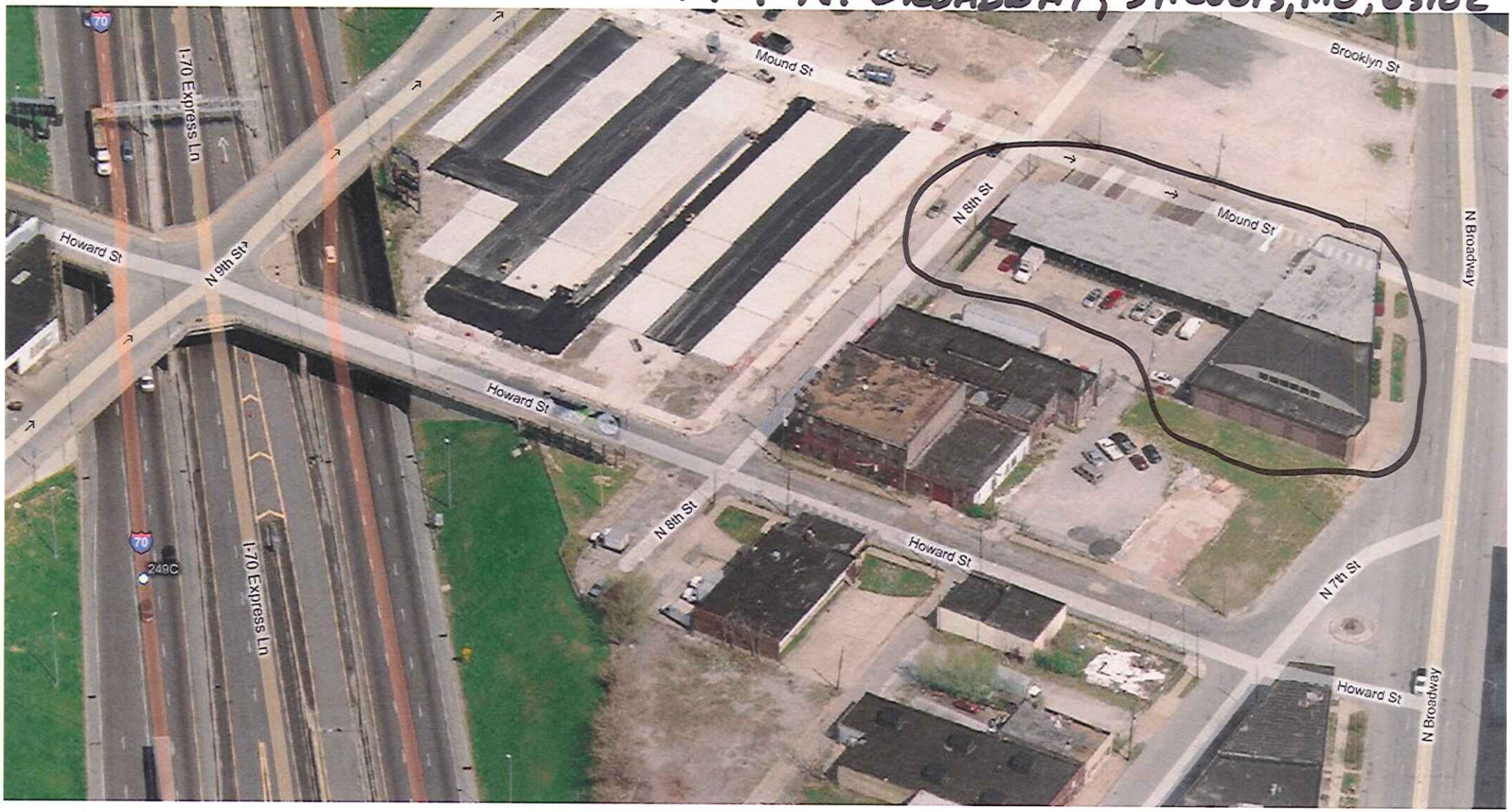

EXHIBIT A
PAGE 1 OF 1
MoDOT BID FOR ASBESTOS REMOVAL

Wednesday, Oct 13, 2010 10:58 AM

EXHIBIT B
MoDOT BID FOR ASBESTOS REMOVAL

MEMORANDUM

Missouri Department of Transportation
Construction and Materials
Central Laboratory

MoDOT PARCEL #7
M+L FOODS
1717 N. BROADWAY
ST. LOUIS, MO 63102

TO: Randall Glaser-6de

COPY: ProjectWise

FROM: Diane Roegge DR
Environmental Chemist

DATE: September 22, 2010

SUBJECT: Materials
Asbestos & Heavy Metal Paint Inspection
Route I-70
Job No. J6I0984
Parcel 47
City of St Louis

We are providing you with the results of the requested inspection on the above referenced property. The inspection report contains an asbestos and a heavy metals survey, unless otherwise requested. The asbestos inspection included sample collection of suspect asbestos-containing material and National Voluntary Laboratory Accreditation Program (NVLAP) accredited testing to confirm the presence of asbestos. This asbestos and heavy metal paint report includes five (5) different report forms. Form T746 lists all of the samples taken during the asbestos inspection. Form T747 shows only those samples that tested positive for Category I nonfriable asbestos-containing materials that may remain in the structure during demolition, if kept adequately wet to avoid visible air emissions. Form T748 shows only those samples that tested positive for asbestos and require removal prior to demolition. Form C760 lists all paint samples taken during the heavy metal paint inspection and their metal content. This information may be required for sanitary landfill or hazardous waste disposal.

In accordance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP), as well as city and county asbestos abatement regulations - Registration, Notification, and Performance Requirements, regulated asbestos-containing material (RACM) namely, Friable and Category II nonfriable, have a high probability of becoming friable under normal demolition forces. Practices and procedures for removal prior to demolition, disposal, and clearances should be in accordance with referenced regulations. Missouri Department of Transportation policy is to perform asbestos abatements in accordance with NESHAP.

In accordance with Missouri Department of Natural Resources' Technical Bulletin "Managing Construction and Demolition Waste" dated January 31, 2003, a heavy metal paint inspection has been performed on the above referenced property. We are providing you with the results of this inspection. The inspection includes locating painted concrete, block and/or brick surfaces, sampling the painted surface(s) and testing the paint(s) to determine if hazardous heavy metals

are present. Non-hazardous painted concrete, blocks, or bricks may be used as clean fill materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling behind walls, above ceilings, beneath floors, etc., it is possible that potentially hidden asbestos-containing materials may exist within the structures. To our knowledge, we have located all suspect asbestos-containing and all painted concrete, block and brick surfaces. If suspect asbestos-containing materials or if painted concrete, block and/or brick surfaces are observed in addition to those reflected in this inspection report, then please advise us immediately so that we may schedule a follow-up inspection.

Should you have any questions regarding these reports, please contact me at (573) 526-4360.

db/dr
J:\barred\asbestos\District 6\J6I's\J6I0984\dr1009221.docx
Attachments

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All Suspect ACM

ROUTE: I-70
MODOT JOB NO.: J6I0984
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: September 14-16, 2010
PARCEL NO.: 47

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7028011210MOIR11239, F.R. 7028011210MOIR13142, K.T.
CERTIFICATION #: 7028011210MOIR7165, D.R.
SITE ADDRESS: 1717 North Broadway, City of St Louis 63102
TYPE(S) OF STRUCTURE(S): 1-Story Brick Commercial Building with Partial Basement

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
10MD1R 858	Aluminized-Asphalt Joint Compound	Flat Roof Over Cooler, 1st Layer	N-ACM	
10MD1R 859	Asphalt Roofing Material	Flat Roof Over Cooler, 2nd Layer	N-ACM	
10MD1R 860	Asphalt Felt Material	Flat Roof Over Cooler, 3rd Layer	N-ACM	
10MD1R 861	Fiberboard	Flat Roof Over Cooler, 4th Layer	N-ACM	
10MD1R 862	Aluminized-Asphalt Joint Compound	Flat Roof Over Office Area, 1st Layer	N-ACM	
10MD1R 863	Asphalt Roofing Material	Flat Roof Over Office Area, 2nd Layer	N-ACM	
10MD1R 864	Asphalt Felt Material	Flat Roof Over Office Area, 3rd Layer	N-ACM	
10MD1R 865	Insulation Board	Flat Roof Over Office Area, 4th Layer	N-ACM	
10MD1R 866	Asphalt Joint Compound	Flat Roof Over Southeast Warehouse, 1st Layer	N-ACM	
10MD1R 867	Asphalt Roofing Material	Flat Roof Over Southeast Warehouse, 2nd Layer	N-ACM	
10MD1R 868	Roofing Membrane	Barrel Roof Over Southeast Warehouse, 1st Layer	N-ACM	
10MD1R 869	Asphalt Joint Compound	Barrel Roof Over Southeast Warehouse, 2nd Layer	N-ACM	
10MD1R 870	Asphalt Joint Compound	Flat Roof Over Warehouse & Office Area, Around Vents	N-ACM	
10MD1R 871	Caulking on Brick (Gray)	Around Front Door	N-ACM	
10MD1R 872A	Caulking on Brick (New Brown)	Around Office Windows and Warehouse Doors, 1st Layer	N-ACM	
10MD1R 872B	Caulking on Brick (Old Cream)	Around Office Windows and Warehouse Doors, 2nd Layer	II NF	665 Lin. Ft.
10MD1R 873	Grout, Ceramic Tile	Front Wall, Around Entry	N-ACM	
10MD1R 874	Mortar, Ceramic Tile	Front Wall, Around Entry	N-ACM	
10MD1R 875	Adhesive, Ceramic Tile	Front Wall, Around Entry, Door Lintel	N-ACM	
10MD1R 876	Caulking on Windows	8-Warehouse, 15'x 10½': 3-South, 1-West, and 4-Covered	II NF	3,264 Lin. Ft.
10MD1R 877	Caulking on Windows	6'x 6' Double: 3-West & 1-North, 3'x 6'Single: 1-West, & 2½'x 4' Single: 1-South	N-ACM	
10MD1R 878	TSI (Aircell)	Basement, Furnace Room and Chase in ¾-Bathroom	F	8 Lin. Ft.

N-ACM = Non-Asbestos Containing Material I NF = Category I Nonfriable II NF = Category II Nonfriable F = Friable
NAFD = No Asbestos Fiber Detected * = Tested By Point Count Procedure

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All Suspect ACM

ROUTE:	I-70	**SURVEYED BY:**	Frank Reichart, Diane Roegge, and Kevin Thoenen
MODOT JOB NO.:	J6I0984	**CERTIFICATION #:**	7028011210MOIR11239, F.R. 7028011210MOIR13142, K.T.
DISTRICT:	6	**CERTIFICATION #:**	7028011210MOIR7165, D.R.
COUNTY:	City of St Louis	**SITE ADDRESS:**	1717 North Broadway, City of St Louis 63102
DATE OF SURVEY:	September 14-16, 2010	**TYPE(S) OF STRUCTURE(S):**	1-Story Brick Commercial Building with Partial Basement
PARCEL NO.:	47		

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
10MD1R 879	Floor Tile/Adhesive (12"x 12")	Foyer and Office Area, Throughout 1st Floor, Over Wood	NAFD	
10MD1R 880	Backerboard	Foyer and Office Area, Throughout 1st Floor, Under Floor Tile, Over Wood	N-ACM	
10MD1R 879	Floor Tile/Adhesive (12"x 12")	Safe, Office Area, 1st Layer, Over Concrete	NAFD	
10MD1R 881	Floor Tile/Adhesive (12"x 12")	Safe, Office Area, 2nd Layer, Over Concrete	NAFD	
10MD1R 882	Floor Tile/Mastic (9"x 9")	Safe, Office Area, 3rd Layer, Over Concrete	I NF	45 Sq. Ft.
10MD1R 883	Floor Tile	Safe, Office Area, 4th Layer, Over Concrete	I NF	
10MD1R 884	Mastic	Safe, Office Area, 4th Layer, Over Concrete	I NF	
10MD1R 885	Floor Tile (12"x 12")	Lounge & Hallway, Basement, Over Concrete	NAFD	
10MD1R 886	Adhesive/Mastic	Lounge & Hallway, Basement, Over Concrete	N-ACM	
10MD1R 887	Grout, Ceramic Tile	Half-Bathroom, Off Cooler Loading Area, Over Concrete	N-ACM	
10MD1R 888	Adhesive, Ceramic Tile	Half-Bathroom, Off Cooler Loading Area, Over Concrete	N-ACM	
10MD1R 889	Ceiling Tile (1'x 1' Pinhole)	Foyer	N-ACM	
10MD1R 890	Adhesive, Ceiling Tile (1'x 1')	Foyer	N-ACM	
10MD1R 891	Sheetrock (No Mud/Tape)	Foyer, Under Ceiling Tile	N-ACM	
10MD1R 892	Ceiling Tile (2'x 2' Rough)	Throughout 1st Floor Office Area	N-ACM	
10MD1R 893	Sheetrock (No Mud/Tape)	Used As Ceiling Tile, South Furnace Room and Elevated Storage Closet, 1st Floor	N-ACM	
10MD1R 894	Ceiling Tile (1'x 1' Smooth)	Remnants, Perimeter, South Furnace Room and Elevated Storage Closet, 1st Floor	N-ACM	
10MD1R 895	Ceiling Tile (2'x 2' Rough)	Lounge and Hallway, Basement	N-ACM	
10MD1R 896	Sheetrock (No Mud/Tape)	Used As Ceiling Tile, ¾-Bathroom, Basement	N-ACM	
10MD1R 897	Adhesive, Paneling	Walls, ¾-Bathroom, Basement	N-ACM	

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MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All Suspect ACM

ROUTE:	I-70	**SURVEYED BY:**	Frank Reichart, Diane Roegge, and Kevin Thoenen
MODOT JOB NO.:	J6I0984	**CERTIFICATION #:**	7028011210MOIR11239, F.R. 7028011210MOIR13142, K.T.
DISTRICT:	6	**CERTIFICATION #:**	7028011210MOIR7165, D.R.
COUNTY:	City of St Louis	**SITE ADDRESS:**	1717 North Broadway, City of St Louis 63102
DATE OF SURVEY:	September 14-16, 2010	**TYPE(S) OF STRUCTURE(S):**	1-Story Brick Commercial Building with Partial Basement
PARCEL NO.:	47		

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
10MD1R 898	Adhesive, Metal Paneling	Walls, Lounge, Basement	N-ACM	
10MD1R 899	Adhesive, Baseboard	Walls, Safe, 1st Floor	N-ACM	
10MD1R 900	Adhesive, Baseboard	Walls, Half-Bathroom Off Cooler Loading Area	N-ACM	
10MD1R 901	Adhesive, Baseboard	Walls, ¾-Bathroom, Basement	N-ACM	
10MD1R 902	Skim Coat	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 903	Plaster	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 904	Sheetrock (No Mud/Tape)	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 905	Skim Coat	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 906	Plaster	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 907	Sheetrock (No Mud/Tape)	Walls, Office Area, 1st Floor	N-ACM	
10MD1R 908	Skim Coat	Ceiling Beams, Office Area, 1st Floor	N-ACM	
10MD1R 909	Plaster	Ceiling Beams, Office Area, 1st Floor	N-ACM	
10MD1R 910	Sheetrock (No Mud/Tape)	As Ceiling Tile, Cooler Loading Area	N-ACM	
10MD1R 911	Skim Coat	Walls, Cooler, Over Brick	N-ACM	
10MD1R 912	Plaster	Walls, Cooler, Over Brick	N-ACM	
10MD1R 913	Sheetrock, Joint/Tape/Mud	Walls, 1st Floor (North)	N-ACM	
10MD1R 914	Sheetrock, 2 Foot from Joint	Walls, 1st Floor (North)	N-ACM	
10MD1R 915	Sheetrock, Joint/Tape/Mud	Walls, 1st Floor (South)	N-ACM	
10MD1R 916	Sheetrock, 2 Foot from Joint	Walls, 1st Floor (South)	N-ACM	
10MD1R 917	Sheetrock, Joint/Tape/Mud	Walls, Terminal Offices, 1st Layer, 1st Floor	N-ACM	
10MD1R 918	Sheetrock, 2 Foot from Joint	Walls, Terminal Offices, 1st Layer, 1st Floor	N-ACM	
10MD1R 919	Sheetrock, Joint/Tape/Mud	Walls, Terminal Offices, 2nd Layer, 1st Floor	N-ACM	
10MD1R 920	Sheetrock, 2 Foot from Joint	Walls, Terminal Offices, 2nd Layer, 1st Floor	N-ACM	

N-ACM = Non-Asbestos Containing Material I NF = Category I Nonfriable II NF = Category II Nonfriable F = Friable
NAFD = No Asbestos Fiber Detected * = Tested By Point Count Procedure

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All Suspect ACM

ROUTE: I-70
MODOT JOB NO.: J6I0984
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: September 14-16, 2010
PARCEL NO.: 47

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7028011210MOIR11239, F.R. 7028011210MOIR13142, K.T.
CERTIFICATION #: 7028011210MOIR7165, D.R.
SITE ADDRESS: 1717 North Broadway, City of St Louis 63102
TYPE(S) OF STRUCTURE(S): 1-Story Brick Commercial Building with Partial Basement

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
10MD1R 921	Fiberboard (No Mud/Tape)	Walls, Terminal Offices, 3rd Layer, 1st Floor	N-ACM	
10MD1R 922	Sheetrock, Joint/Tape/Mud	Walls, Southeast Warehouse	N-ACM	
10MD1R 923	Sheetrock, 2 Foot from Joint	Walls, Southeast Warehouse	N-ACM	
10MD1R 924	Sheetrock, Joint/Tape/Mud	Walls and Ceiling, Lounge, Basement	N-ACM	
10MD1R 925	Sheetrock, 2 Foot from Joint	Walls and Ceiling, Lounge, Basement	N-ACM	
10MD1R 926	Sheetrock (No Mud/Tape)	Walls, ¾-Bathroom, Basement	N-ACM	
10MD1R 927	Insulation (Yellow Batts)	Above Ceilings, Foyer and South Office Area & Terminal Offices, 1st Floor	N-ACM	
10MD1R 928	Insulation (Pink Batts)	Above Ceilings, North Office Area & Terminal Offices, 1st Floor	N-ACM	
10MD1R 929	Insulation (Old Blown)	Above Ceilings, 1st Floor	N-ACM	
10MD1R 930	Insulation (Yellow)	Flexible Ductwork, Above Ceilings, 1st Floor	N-ACM	
10MD1R 931	Insulation (Pink)	Flexible Ductwork, Above Ceilings, 1st Floor	N-ACM	
10MD1R 932	Insulation	Above Ceiling, Cooler Loading Area	N-ACM	
10MD1R 933	Insulation (Old Blown)	Attic Rafter & Beams, Cooler	N-ACM	
10MD1R 934	Insulation	Under Metal Exterior Walls	N-ACM	
10MD1R 935	Insulation	Walls, Southeast Warehouse	N-ACM	
10MD1R 936	Insulation	Pipe, Southeast Warehouse	N-ACM	

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NAFD = No Asbestos Fiber Detected * = Tested By Point Count Procedure

Form T747
Rev. 12/2005

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
Nonfriable Asbestos-Containing Materials
(Abatement not required if not made friable during demolition.)

ROUTE:	I-70	**TESTED BY:**	Frank Reichart and Diane Roegge
MODOT JOB NO.:	J6I0984	**CERTIFICATION #:**	7028011210MOIR11239, F.R.
DISTRICT:	6	**CERTIFICATION #:**	7028011210MOIR7165, D.R.
COUNTY:	City of St Louis	**SITE ADDRESS:**	1717 North Broadway, City of St Louis 63102
DATE OF TESTS:	September 20-22, 2010	**TYPE(S) OF STRUCTURE(S):**	1-Story Brick Commercial Building with Partial Basement
PARCEL NO.:	47		

Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
		None Located	I NF			

All necessary work to handle this material is the contractor's responsibility.

I NF = Category I Nonfriable

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All materials requiring removal or special handling.

ROUTE: I-70
MODOT JOB NO.: J6I0984
DISTRICT: 6
COUNTY: City of St Louis
DATE OF TESTS: September 20-22, 2010
PARCEL NO.: 47

TESTED BY: Frank Reichart and Diane Roegge
CERTIFICATION #: 7028011210MOIR11239, F.R.
CERTIFICATION #: 7028011210MOIR7165, D.R.
SITE ADDRESS: 1717 North Broadway, City of St Louis 63102
TYPE(S) OF STRUCTURE(S): 1-Story Brick Commercial Building with Partial Basement

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
202-40.48	10MD1R 872B	Caulking on Brick (Old Cream)	Around Office Windows and Warehouse Doors, 2nd Layer	II NF	665 Lin. Ft.	Chrysotile	1-5
202-40.46	10MD1R 876	Caulking on Windows	8-Warehouse, 15'x 10½': 3-South, 1-West, and 4-Covered	II NF	3,264 Lin. Ft.	Chrysotile	1-3
202-40.24	10MD1R 878	TSI (Aircell)	Basement, Furnace Room and Chase in ¾-Bathroom	F	8 Lin. Ft.	Chrysotile	30-50
202-40.98	10MD1R 882	Floor Tile/Mastic (9"x 9")	Safe, Office Area, 3rd Layer, Over Concrete	I NF	45 Sq. Ft.	Chrysotile	3-8
	10MD1R 883	Floor Tile	Safe, Office Area, 4th Layer, Over Concrete	I NF		Chrysotile	5-15
	10MD1R 884	Mastic	Safe, Office Area, 4th Layer, Over Concrete	I NF		Chrysotile	1-5

I NF = Category I Nonfriable II NF = Category II Nonfriable F = Friable * = Tested By Point Count Procedure

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Metals Survey Report of Painted Concrete, Block, Brick Surfaces

BF VT

ROUTE:	I-70	**TESTED BY:**	Diane Roegge & Kevin Thoenen
MODOT JOB NO.:	J6I0984	**DATE OF TESTS:**	September 15-16, 2010
DISTRICT:	6	**PARCEL NO.:**	47
COUNTY:	City of St Louis	**SITE ADDRESS:**	1717 North Broadway, City of St Louis 63102
SURVEYED BY:	Diane Roegge & Kevin Thoenen	**TYPE(S) OF STRUCTURE(S):**	1-Story Brick Commercial Building with Partial Basement
DATE OF SURVEY:	September 15-16, 2010		

Sample ID	Color/Location of Material/Substrate	Metals (ppm)							
		As	Cr	Pb	Cd	Se	Ba	Hg	Ag
10MD1R 937	Dk Yellow/Exterior North Loading Dock Stripe/Concrete	4,991	13,367	31,072	<61	<29	<1,801	<102	<46
10MD1R 938	Lt Yellow/Exterior North Loading Dock Stripe/Concrete	5,333	19,444	37,530	<62	<32	<1,691	189	<47
10MD1R 939	Lt Gray/Exterior North Loading Dock Floor/Concrete	33	344	183	<42	<4	<1,119	<14	<32
10MD1R 940	Gray/Exterior North Loading Dock NW Steps/Concrete	565	3,412	31,376	<56	<27	<1,649	91	<43
10MD1R 941	Dk Yellow/Exterior North Loading Dock NW Bay/Brick	425	<156	76	<43	<3	<662	<15	<33
10MD1R 942	Yellow/Exterior East Front Pylons Bay Doors/Concrete	2,719	9,760	16,384	<53	<19	<1,539	<69	<40
10MD1R 943	Yellow/Exterior West Back Pylons Bay Doors/Concrete	<671	17,768	75,537	99	<53	<3,043	<183	<61
10MD1R 944	Yellow/Exterior West Driveway Southern Bay/Concrete	<10	<171	23	<40	<3	<974	<12	<31
10MD1R 945	Yellow/Ext. NW Warehouse Bay Door Threshold/Conc.	<9	<199	<8	<43	<3	<1,309	<11	<34
10MD1R 946	Blue/Ext. NW Warehouse Bay Door Jamb Right/Brick	<28	<183	378	<42	<4	2,510	29	<32
10MD1R 947	Dk Brown/Ext. NW Warehouse Door Jamb Left/Brick	131	<154	641	<42	<4	<515	<16	<32
10MD1R 948	Yellow/Ext. South Loading Dock East End Striping/Conc.	1,715	4,419	28,758	<58	<26	<1,867	<91	<44
10MD1R 949	Lt Yellow/Ext. S. Loading Dock West End Striping/Conc.	10,964	9,471	36,902	77	<36	20,912	<129	<50
10MD1R 950	Lt Yellow/Ext. South Loading Dock West Stairwell/Conc.	60	<252	213	<43	<4	8,011	<14	<34
10MD1R 951	Gray/Interior Basement Floor, Columns, & Wall/Concrete	56	162	214	<42	<4	<749	<14	<33
10MD1R 952	Light Gray/Interior Basement Floor, Closet/Concrete	20	256	77	<43	<3	<1,083	<11	<33
10MD1R 953	Yellow/Interior Basement Wall/Concrete	<12	<221	49	<43	<3	2,052	<12	<33
10MD1R 954	White/Interior Basement Wall/Concrete	<10	240	18	<43	<3	<1,532	<12	<33

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050
b = USEPA SW-846 Method 7471

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Metals Survey Report of Painted Concrete, Block, Brick Surfaces

ROUTE:	I-70	**TESTED BY:**	Diane Roegge & Kevin Thoenen
MODOT JOB NO.:	J6I0984	**DATE OF TESTS:**	September 15-16, 2010
DISTRICT:	6	**PARCEL NO.:**	47
COUNTY:	City of St Louis	**SITE ADDRESS:**	1717 North Broadway, City of St Louis 63102
SURVEYED BY:	Diane Roegge & Kevin Thoenen	**TYPE(S) OF STRUCTURE(S):**	1-Story Brick Commercial Building with Partial Basement
DATE OF SURVEY:	September 15-16, 2010		

Sample ID	Color/Location of Material/Substrate	Metals (ppm)							
		As	Cr	Pb	Cd	Se	Ba	Hg	Ag
10MD1R 955	White/Interior Basement Wall/Brick	<10	<245	15	<44	<3	<1,801	<11	<34
10MD1R 956	Cream/Interior Walls & Ceiling, Safe, 1st Floor/Conc.	<33	339	543	<45	<4	<1,941	<17	40
10MD1R 957	Gray/Interior Floor, SE Warehouse/Concrete	<33	<192	554	<42	<4	1,769	<22	<32
10MD1R 958	Dark Blue/Interior Walls, SE Warehouse/Brick	<27	<180	362	<42	<4	1,053	<15	<32
10MD1R 959	White/Interior Walls, SE Warehouse/Brick	<27	<235	315	<45	<4	<1,731	41	<34
10MD1R 960	Dark Gray/Interior Walls, SE Warehouse/Brick	271	212	1,188	<43	<6	<1,027	<22	<33
10MD1R 961	Gray/Int. Floor & Ramp Sides, Cooler Load'g Area/Conc.	<10	<128	21	<43	<3	<346	<11	<33
10MD1R 962	Yellow/Int. Floor, Stairs & Wall, Cooler Ldg Area/Conc.	<394	5,260	45,009	<60	<33	<2,035	<111	<46
10MD1R 963	Brown/Interior Walls, Cooler Loading Area/Brick	18	<157	59	<46	<3	1,311	<16	<36
10MD1R 964	White/Interior Walls, Cooler Loading Area/Brick	20	263	18	47	<3	<1,674	<13	<34
10MD1R 965	Yellow/Int. Walls, South, Cooler Loading Area/Brick	<11	<180	23	<47	<4	<1,168	<13	<36
10MD1R 966	Gray/Int. Walls, South, Cooler Loading Area/Brick	<14	204	68	<42	<3	<1,201	<12	<32

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050
b = USEPA SW-846 Method 7471

MoDOT Bid for Asbestos Removal
Exhibit C

Location

Parcel 47 – Former M & L Foods Building
Near I-70 at Howard Street, St. Louis City
1717 North Broadway
St. Louis, MO 63102

Asbestos Removal Specifications

All asbestos removal work shall be in accordance with Section 202.40.4 of the Missouri Standard Specifications as follows:

202.40.4 Removal of Asbestos Containing Material. Unless designated otherwise, the Commission will test all buildings or structures to be removed for ACM. Testing of buildings will be limited to ACM. Buildings will not be tested for other substances. The Commission disclaims any representation that the buildings are hazard-free. If ACM is present in a building or structure, the ACM shall be removed and disposed of by the contractor accordance with the contract documents. All regulated asbestos containing material (RACM), as defined in Sec 202.40.4.5, and Category I nonfriable ACM on concrete shall be removed from the buildings prior to demolition or salvage. Category II nonfriable ACM that does not have a high probability of becoming crumbled, pulverized or reduced to powder in the course of demolition, and Category I nonfriable ACM, except floor tile or sheeting on concrete, may remain in the building during demolition. All building demolition material, including the Category II nonfriable ACM and Category I nonfriable ACM, shall be disposed of in a licensed landfill. The contractor shall not crumble, pulverize or reduce to powder Category II nonfriable ACM and shall not cut, grind, sand, abrade or render the Category I nonfriable ACM friable during demolition and transportation to the licensed landfill. If the contractor elects to remove and dispose of Category II nonfriable ACM and Category I nonfriable ACM prior to demolition, disposal shall be performed properly and at the contractor's expense.

202.40.4.1 Asbestos Identification and Testing. Suspect ACM will be sampled and tested. The results of the testing for friable and nonfriable ACM requiring removal will be made available to the contractor or included within the contract documents. For those buildings with unknown quantities at the time of award, results of testing for friable and nonfriable ACM requiring removal will be provided with the notice to remove.

202.40.4.2 Licensing and Permits. The contractor performing friable asbestos abatement in accordance with the regulations shall be registered with MDNR and certified as an asbestos contractor with the agency. Before beginning work on any parcel, the contractor shall provide the engineer with copies of all permits, licenses and certifications in accordance with local, state, or federal agencies.

202.40.4.3 Notification and Reporting. The contractor shall provide all information regarding asbestos abatement to the EPA, OSHA, MDNR and local agencies in accordance with applicable regulations concerning asbestos removal work. Notification shall be provided by the contractor to all applicable regulating agencies for all asbestos removal before removal and demolition begins. The contractor shall obtain any necessary authorization for the work

from all applicable federal, state and local agencies. The contractor shall provide copies of all reports and authorization information to the engineer prior to beginning work on the project.

202.40.4.4 On-Site Supervisor. The contractor shall provide a trained supervisor to remain on site during all ACM removal work in accordance with EPA regulations. The contractor shall provide evidence of the supervisor's training to the engineer before any work begins.

202.40.4.5 Regulated Asbestos Containing Material and Category I Nonfriable Asbestos Containing Material on Concrete. The contractor shall remove, transfer and dispose of RACM and Category I nonfriable ACM (floor tile and sheeting on concrete) specified in the contract. The following material will be considered RACM:
(a) Friable asbestos material.
(b) Category I nonfriable ACM that has become friable.
(c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading.
(d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized or reduced to powder by the forces expected to act on the material in the course of demolition.

202.40.4.6 Unidentified Asbestos. If the contractor encounters suspect ACM not previously identified in the contract, the contractor shall immediately notify the engineer in accordance with the contract requirements. The engineer will have the suspect material sampled and tested, and the contractor shall not remove the additional suspect ACM until directed by the engineer.

202.40.4.7 No Salvage Permitted. No salvage of items containing asbestos material will be permitted.

202.40.4.8 Airborne Asbestos Particle Testing. The contractor shall monitor and test for airborne asbestos particles during working hours within the area of the property or fence line. The contractor shall conduct operations to keep airborne particles beyond this area within the established regulation limits. The contractor shall furnish the engineer copies of correspondence, test results, recommendations and other information to document contractor's compliance with the following requirements:
(a) When asbestos removal is completed, all work shall be inspected by the contractor for the presence of asbestos debris. Removal and cleaning shall continue until air monitoring clearance testing indicates the level of airborne fibers meets required levels. The engineer shall be notified when sampling is started. The contractor shall provide documentation to the engineer within 24 hours after the sampling has been completed that the level of airborne fibers meets required levels.
(b) For asbestos abatement projects requiring third party air monitoring as determined by the engineer, the contractor shall cooperate and coordinate with the engineer and the third party air sampler designated by the engineer to perform the third party air sampling. The contractor shall provide to the engineer a minimum of 48 hours notice of the time when the services of the third party air sampler will be required as a result of the contractor's work. The contractor shall arrange work so as not to interfere with the third party air sampler's ability to conduct the necessary air sampling. The contractor and the third party air sampler shall work cooperatively with the engineer in a sequence such that air sampling shall be conducted in a proper and timely manner by the third party air sampler with minimal interruption to any other party.

202.40.4. 9 Disposal. All RACM and Category I nonfriable ACM shall be disposed of within

seven days of removal from the building or structure. All RACM and ACM shall be disposed in accordance with applicable EPA, OSHA, MDNR and local agencies' regulations.

202.40.4.9.1 The contractor shall identify or mark hauling vehicles used to transport asbestos waste during loading, transporting and unloading in accordance with applicable regulations for transporting asbestos waste. The waste shall be transported in enclosed roll-offs or dumpsters, vehicles that have completely enclosed cargo areas, or a four-sided cargo area that shall be completely covered with two layers of 6-mil (0.15 mm) thick plastic sheeting or equivalent covering while the waste is being transported.

202.40.4.9.2 The contractor shall provide a Waste Shipment Record to the waste site owner or operator at the time the waste is delivered to the waste disposal site. A copy of the Waste Shipment Record shall be provided to the engineer.

Working Hours

Working hours shall be Monday thru Friday, 8:00 AM to 5:00 PM unless other hours are approved by the engineer.

Incidental Demolition and Removal for ACM Removal

1. The Asbestos Survey Report describes the type and location of ACM's in the buildings and structures. Some ACM's which require removal prior to demolition of the building may be located beneath non-asbestos materials, located within walls, located within multiple layers of floor coverings, or otherwise require removal of some portion of the existing building or structure to gain access to the ACM.

2. All demolition work required to remove non-asbestos materials to gain access to ACM's for proper removal will be considered incidental to the work and be considered included in the contract unit price for removal of the specified ACM.

Changes in the Work

1. When necessary to satisfactorily complete the project, the Missouri Department of Transportation (MoDOT) reserves the right to change quantities or make other changes for which there are no provisions included in the contract.

2. If the work does not involve a significant change in the quantity (either up or down) of an established contract item, then the contractor shall complete the work as necessary and payment will be made at the established contract unit prices.

3. A significant change is defined as an increase in excess of 125% or decrease below 75% of the original contract quantity on a major item of work. A major item of work is defined as any contract item with an original value in excess of 10% of the original contract amount.

4. If the work involves a significant change in the quantity of a major item then an equitable adjustment may be made to that item's unit price. Either MoDOT or the contractor may request that such an adjustment be made and the contractor shall furnish such information needed to establish the equitable price adjustment. Such adjustment will be determined based on the contractor's actual costs to perform the work, excluding any anticipated profits from work not performed. This determination will be consistent

with the contractor's other proven costs to perform the contract work, as shown in the contractor's bid computations and project cost records.

5. If the change involves an item for which no price is established in the contract then an equitable adjustment will be agreed to by both MoDOT and the contractor prior to performance of the work. Such adjustment will be determined based on the contractor's actual costs to perform the work. If a basis cannot be agreed upon, then an adjustment will be made in such amount as MoDOT may determine to be fair and equitable.

Required Documents for Final Payment

This is a checklist of required documents that must be submitted before final acceptance or payment for MoDOT demolition and asbestos abatement work. Some documents are not applicable for all projects if that type of work is not performed.

Prior to Work

- List of all contractor and subcontractor contact names and phone numbers.
- Contractor shall contact MoDOT inspector before any work is done on site. Any work performed prior to notification and approval by MoDOT will not be accepted or paid for.

Asbestos Related Documents

- Schedule of proposed work.
- MDNR Asbestos Project Notification (or St. Louis City or St. Louis County as applicable). Note: MoDOT requires Asbestos Project Notification for every asbestos abatement project regardless of whether the structure has below regulated asbestos quantities to be removed.
- MDNR Asbestos Notification Amendments (or St. Louis City or St. Louis County as applicable).
- MDNR Asbestos Post Notification (or St. Louis City or St. Louis County as applicable).
- MDNR Asbestos Contractor Registration Certificate.
- MDNR Asbestos Supervisor and Worker Licenses and Training Certificates.
- Final measurement of asbestos materials actually removed from parcel.
- Background and Personal Air Monitoring Reports.
- Final Clearance Air Monitoring Reports for Friable Asbestos Removal.
- Asbestos Waste Manifest to verify proper disposal of asbestos.

Miscellanaeous Documents

- Notarized Weekly Payroll Affidavit documentation for Prime and Sub-Contractors from start to finish of project showing compliance with Prevailing Wages.
- Subcontractor Request/Approval and Subcontractor Insurance Documentation.
- Lien Waiver from all Material Suppliers.