MEMORANDUM

Missouri Department of Transportation
Construction and Materials
Central Laboratory

EXHIBIT B
MoDOT BID FOR
ASBESTOS
REMOVAL

MoDOT PARCEL 533
GREYHOUND MAINTENANCE FACILITY
1515 N. 11TH ST., ST. LOUIS, MO
63106

TO: Randall Glaser-SLpm

COPY: ProjectWise

FROM: Diane Roegge DR
Environmental Chemist

DATE: July 14, 2011

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route I-70
Job No. J6U1086
Parcel 533
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 inspection 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 four 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 survey and their metal content.

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 survey has been performed on the above referenced property. We are providing you with the results of this survey. This survey includes locating painted concrete, block and/or brick surfaces, sampling/testing the painted surface(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 structure. 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) 526-4359.

db/dr
J:\barred\asbestos\District - SL (St Louis)\J6U1086\dr1107141.docx
Attachments

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

ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: June 13-16, 30-July 1, July 5-8, & 11-13, 2011
PARCEL NO.: 533

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7112010411MOIR11239, F.R. 7112010111MOIR7165, D.R.
CERTIFICATION #: 7112010411MOIR13142, K.T.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Cass Avenue Garage			
11MD1R 155	Asphalt Roofing Material	Roof Over All	N-ACM	
11MD1R 156	Membrane	Roof, Patches	N-ACM	
11MD1R 157	Asphalt Joint Compound	Roof, Parapet	N-ACM	
11MD1R 158	Transite Siding	Roof, Cupola East Gable, Under Metal Siding	II NF	113 Sq. Ft.
11MD1R 159	Asphalt Felt Material (Strips)	Roof, Cupola East Gable, Under Transite Siding, and West Gable Under Metal Siding	N-ACM	
11MD1R 160	Asphalt Felt Material		I NF	225 Sq. Ft.
11MD1R 161	Asphalt Felt Material	Roof, Cupola Wall South, Under Vinyl Siding	N-ACM	
11MD1R 162	Asphalt Joint Compound	Roof, Along Cupola Windows	I NF	200 Sq. Ft.
11MD1R 163	Caulking on Windows	5'x 8¼': 7-South, 4-West, 2-West Partial, 2-North, & 1-North Partial	N-ACM	
11MD1R 164	Caulking on Windows	4'x 8¼': 5-West Lower	N-ACM	
11MD1R 165	Caulking on Windows	4'x 4': 5-West Upper	N-ACM	
11MD1R 166	Caulking on Windows	4'x 4': 2-Interior, Office 128B and Office 128C	II NF	64 Lin. Ft.
11MD1R 323	Caulking on Brick/Metal	Around All Exterior Windows, Top & Both Sides; 1-Vent, and 4-Roof Drains	II NF	726 Lin. Ft.
11MD1R 331	Caulking on Brick/Metal (Residual)	Exterior, Around Door #20 (South by Overhead Door)	II NF	13 Lin. Ft.
11MD1R 332	Caulking on Brick/Block	Exterior Vertical Seam to Stockroom (SE)	N-ACM	
11MD1R 333	Caulking on Brick/Metal	Around Exterior & Interior Entry Doors	N-ACM	
11MD1R 167	TSI Run	Pipe #1 (Steam to Overhead Heaters)	N-ACM	
11MD1R 168	TSI Elbow	Pipe #1 (Steam to Overhead Heaters)	N-ACM	
11MD1R 169	TSI Run	Pipe #1B (Condensate)	N-ACM	
11MD1R 170	TSI Run	Pipe #2 (Cold Water)	N-ACM	
11MD1R 171	TSI Mud	Pipe #2 (Cold Water): 5-Elbows, 6-T-Fittings, and 1-Valve	F	10 Lin. Ft.

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Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Cass Avenue Garage (Continued)			
11MD1R 172	TSI Run	Pipe #3 (Abandoned Steam)	N-ACM	
11MD1R 173	TSI Elbow	Pipe #3 (Abandoned Steam)	N-ACM	
11MD1R 176	TSI Expansion Blanket	Emission Exhaust Fans, West End and East End	N-ACM	
11MD1R 177	Floor Tile/Adhesive (12"x 12")	Office 128C, Over Wood	NAFD	
11MD1R 178	Adhesive, Baseboard	Walls, Office 128C	N-ACM	
11MD1R 179	Ceiling Tile (Scraps)	Office 128B, Remnants	N-ACM	
11MD1R 180	Ceiling Tile (1'x 1')	Office 128C	N-ACM	
11MD1R 181	Sheetrock, Joint/Tape/Mud	Walls, Between 128B and 128C	N-ACM	
11MD1R 182	Sheetrock, 2 Foot from Joint	Walls, Between 128B and 128C	N-ACM	
11MD1R 345	Plaster	Interior Walls, Cupola	N-ACM	
	11th Street Garage			
11MD1R 183	Asphalt Roofing Material	Roof, Overall	N-ACM	
11MD1R 184	Membrane	Roof, Parapet	N-ACM	
11MD1R 185	TSI Run (Trygen Steam Line)	Vertically Along Exterior Walls & Horizontally Along Roof	N-ACM	
11MD1R 186	TSI Elbow (Trygen Steam Line)	Vertically Along Exterior Walls & Horizontally Along Roof	N-ACM	
11MD1R 187	Caulking on Windows	6'x 5¼': 1-North and 2-North, Partial	N-ACM	
11MD1R 188	Caulking on Windows	12¼'x 8¼' Double: 2-West Loft	N-ACM	
11MD1R 189	Caulking on Windows	3¾'x 4': 1-West, Room 119	N-ACM	
11MD1R 190	Caulking on Brick	Around Windows: 2-West Loft, Vertical Seams Only and 1-Room 119 Around All, and 4-Exhaust Fans/Vents (West)	II NF	91 Lin. Ft.
11MD1R 324	Caulking on Brick (Old)	Around 5-North Windows, Vertical Seams Only	II NF	53 Lin. Ft.
11MD1R 325	Caulking on Brick (New)	Around 2-North Windows (Exhaust Fans-West End)	N-ACM	

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	11th Street Garage (Continued)			
11MD1R 334	Caulking on Brick/Metal	Around Exterior and Interior Entry Doors	N-ACM	
11MD1R 266	TSI Firedoor Insulation	Doors: 04, 07, 08, 13, 22, 26, & 27	N-ACM	
11MD1R 212	TSI Run (Steam to Overhead Heaters)	Pipe #1: Main, M2 (Mezz.), Loft & Rooms 112, 118 & 119	N-ACM	
11MD1R 213	TSI Mud (Steam to Overhead Heaters)	Pipe #1: **Elbows** 40-Main, 4-M2, 9-Loft, 3-Room 112, 1 Remnant-Room 118, & 3-Room 119; **T-Fittings** 8-Main, 1-M2, 1-Room 112, & 1-Room 119; **Hangers** 2-Room 119, 1-M2, & 7-Loft; **Unions** 1-M2, & 4-Loft; **Valves** 7-Main, 1-M2 & 1-Room 112; & **4-Way Fitting** 1-Loft	F	118 Lin. Ft.
11MD1R 214	TSI Run (Steam to Overhead Heaters)	Pipe #1: New Inner Loop, Main	N-ACM	
11MD1R 215	TSI Elbow (Steam to Overhead Heaters)	Pipe #1: New Inner Loop, Main	N-ACM	
11MD1R 216	TSI Run (Hot Water)	Pipe #2: Main, Loft, M3, and Room 115	N-ACM	
11MD1R 217	TSI Hanger (Hot Water)	Pipe #2: 9-Main, 4-Loft, 6-M3, and 2-Room 115	F	
11MD1R 218	TSI Mud (Hot Water)	Pipe #2: **Elbows** 11-Main, 4-Loft, 9-M3, & 1-Room 115; **T-Fittings** 2-Main & 2-M3; **Unions** 1-Room 115 & 1-M3; and **Valves** 4-M3	F	79 Lin. Ft.
11MD1R 219	TSI Run (Cold Water)	Pipe #3: Main, Loft, M3, and Rooms 115, 116, 117 & 118	N-ACM	
11MD1R 220	TSI Mud (Cold Water)	Pipe #3: **Elbows** 4-Main, 3-Loft, 6-M3, 2-Room 115, and 2-Room 118; **T-Fittings** 3-Main, 3-Loft, and 1-M3; **Hangers** 2-Main & 3-M3; **Unions** 1-Loft, 2-M3, & 1-Room 115; and **Valves** 2-Main & 1-Room 118	F	37 Lin. Ft.
11MD1R 221	TSI Run (Cold Water)	Pipe #4: Main, Loft, M3, and Battery Room 118	N-ACM	

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Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	11th Street Garage (Continued)			
11MD1R 222A	TSI Elbow (Cold Water)	Pipe #4: Main, Loft, M3, and Battery Room 118	N-ACM	
11MD1R 222B	TSI Elbow (Cold Water)		N-ACM	
11MD1R 222C	TSI Elbow (Cold Water)		N-ACM	
11MD1R 328	TSI Patched Elbow (Cold Water)	Pipe #4: 3-Battery Room 118	F	4 Lin. Ft.
11MD1R 221	TSI Run (Cold Water)	Pipe #4: Pipechase to Bath (121)	N-ACM	
11MD1R 222D	TSI Elbow (Cold Water)	Pipe #4: Pipechase to Bath (121)	N-ACM	
11MD1R 216	TSI Run (Hot Water)	Pipe #2: Pipechase from M3 to Baths (106/107)	N-ACM	
11MD1R 221	TSI Run (Cold Water)	Pipe #4: Pipechase from M3 to Baths (106/107)	N-ACM	
11MD1R 218	TSI Mud (Elbows & T-Fittings)	Pipe #2 (Hot Water), Pipechase from M3 to Baths (106/107)	F	20 Lin. Ft.
11MD1R 222	TSI Mud (Elbows & T-Fittings)	Pipe #4 (Cold Water), Pipechase from M3 to Baths (106/107)	N-ACM	
11MD1R 167	TSI Run	Cass Avenue Garage Pipe #1, Steam Room (216) to Boilers	N-ACM	
11MD1R 168	TSI Elbow	Cass Avenue Garage Pipe #1, Steam Room (216) to Boilers	N-ACM	
11MD1R 172	TSI Run	Cass Avenue Garage Pipe #3, Steam Room (216)	N-ACM	
11MD1R 173	TSI Elbow	Cass Avenue Garage Pipe #3, Steam Room (216)	N-ACM	
11MD1R 223	TSI Run	Pipe #5 (Abandoned Horizontal), Steam Room (126)	N-ACM	
11MD1R 224	TSI Run and Elbow	Pipe #6 (Abandoned Vertical), Steam Room (126)	N-ACM	
11MD1R 225	Transite Pipe	Abandoned Steam Line, Underground	II NF	148 Lin. Ft.
11MD1R 226	Insulation	Outer Metal Cover, Two Boilers, Steam Room 126	N-ACM	
11MD1R 227	TSI Breeching	Inside Two Boilers, Steam Room 126	N-ACM	
11MD1R 228	TSI Spacers	Inside Two Boilers, Steam Room 126	N-ACM	
11MD1R 229	TSI Mud	Inside Two Boilers, Steam Room 126	N-ACM	

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DATE OF SURVEY: June 13-16, 30-July 1, July 5-8, & 11-13, 2011
PARCEL NO.: 533

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SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	11th Street Garage (Continued)			
11MD1R 174	TSI Run	Pipe #6 (Roof Drain), Room 119	N-ACM	
11MD1R 175	TSI Elbow & Union Joints	Pipe #6 (Roof Drain), Room 119: 2-Elbows & 3-Unions	F	10 Lin. Ft.
11MD1R 327	TSI Hanger	Pipe #6 (Roof Drain), 4-Room 119		
11MD1R 230	TSI Expansion Blanket	Loft, Northwest Corner	N-ACM	
11MD1R 231	TSI Expansion Blanket	Loft, Battery Exhaust (Round & Square)	N-ACM	
11MD1R 232	TSI Expansion Blanket	2-Square, Mezzanine Room M2	N-ACM	
11MD1R 233	TSI Patches	Old Water Heater, Mezzanine Room M3	N-ACM	
11MD1R 234	TSI Outer Canvas & Mud	Old Water Heater, Mezzanine Room M3	N-ACM	
11MD1R 235	TSI Inner Insulation	Old Water Heater, Mezzanine Room M3	N-ACM	
11MD1R 191	Floor Tile (12"x 12" Blue)	Office 109, 1st Layer, Over Concrete	NAFD	
11MD1R 192	Adhesive, 12"x 12" Blue Floor Tile	Office 109, 1st Layer, Over Concrete	N-ACM	
11MD1R 193	Floor Tile (12"x 12" White)	Office 109, 2nd Layer, Over Concrete	NAFD	
11MD1R 194	Adhesive, 12"x 12" White Floor Tile	Office 109, 2nd Layer, Over Concrete	N-ACM	
11MD1R 195	Floor Tile (Brown)	Office 109, 3rd Layer, Over Concrete	I NF	218 Sq. Ft.
11MD1R 196	Mastic, Brown Floor Tile	Office 109, 3rd Layer, Over Concrete	N-ACM	
11MD1R 197	Grout, Ceramic Tile	Floors, ½ Bath (121) and Bathrooms (106/107)	N-ACM	
11MD1R 198	Mortar, Ceramic Tile	Floors, ½ Bath (121) and Bathrooms (106/107)	N-ACM	
11MD1R 199	Grout, Ceramic Tile	Walls, ½ Bath (121) and Bathrooms (106/107)	N-ACM	
11MD1R 200	Mortar, Ceramic Tile	Walls, ½ Bath (121) and Bathrooms (106/107)	N-ACM	
11MD1R 201	Grout, Ceramic Tile	Floors and Walls, Rooms 116 & 118 (Battery)	N-ACM	
11MD1R 202	Mortar, Ceramic Tile	Floors and Walls, Rooms 116 & 118 (Battery)	N-ACM	
11MD1R 203	Adhesive, Baseboard	Walls, Supervisor Office 109	N-ACM	

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	11th Street Garage (Continued)			
11MD1R 204	Ceiling Tile (2'x 4' Radar)	Men's & Women's Bathrooms and Office (106/107/109)	N-ACM	
11MD1R 205	Surfacing Material	Ceilings and Loose on Floor, Rooms 119 & 120	F	262 Sq. Ft.
11MD1R 206	Plaster	Ceilings, Under Surfacing Material, Room 119 & 120	N-ACM	
11MD1R 207	Skim Coat	Ceilings, Room 121 and Nook	N-ACM	
11MD1R 208	Plaster	Ceilings, Room 121 and Nook	N-ACM	
11MD1R 209	Sheetrock, Joint/Tape/Mud	Ceilings, Stairwell to Service Lane Pits (134) and Stairwell to Driver's (201), 1st Layer	N-ACM	
11MD1R 210	Sheetrock, 2 Foot from Joint		N-ACM	
11MD1R 211	Sheetrock (No Mud/Tape)	Ceilings, Stairwell to Service Lane Pits (134) and Stairwell to Driver's (201), 2nd Layer	N-ACM	
	Stockroom			
11MD1R 236	Asphalt Roofing Material	Flat Roof, Overall, 1st Layer	N-ACM	
11MD1R 237	Insulation Board	Flat Roof, Overall, 2nd Layer	N-ACM	
11MD1R 238	Asphalt Joint Compound	Flat Roof, Around Air-Handler	N-ACM	
11MD1R 335	Caulking on Block/Metal	Around Exterior and Interior Entry Doors & Electrical Outlet	N-ACM	
11MD1R 336	Caulking on Block/Metal	Around Overhead Door (South)	N-ACM	
11MD1R 266	TSI Firedoor Insulation	Door 17	N-ACM	
11MD1R 239	TSI Run	Pipe #1 (Steam to Overhead Heaters)	N-ACM	
11MD1R 240	TSI Tape	40-Pipe #1 (Steam to Overhead Heaters)	F	77 Lin. Ft.
11MD1R 241	TSI Mud	Pipe #1 (Steam): 15-Elbows, 4-Hangers, 3-T's, and 3-Valves	F	37 Lin. Ft.
11MD1R 242	TSI Run	Pipe #2 (Roof Drains-East/West)	N-ACM	

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	Stockroom (Continued)			
11MD1R 243	TSI Mud	Pipe #2 (Roof Drains-East/West), 12-Hangers & Unions and 1-Y-Joint	F	8 Lin. Ft.
11MD1R 244	TSI Hanger and Union Joint (Patch)	Pipe #2 (Roof Drains-East/West), 2nd from East Wall	F	3 Lin. Ft.
11MD1R 245	TSI Elbow	Pipe #2 (Roof Drains-East/West)	N-ACM	
11MD1R 329	TSI Elbow	Pipe #2B (Roof Drains-North/South)	N-ACM	
11MD1R 330	TSI Run	Pipe #2B (Roof Drains-North/South)	N-ACM	
11MD1R 246	Floor Tile (12"x 12" Blue)	Office 129B, 1st Layer, Over Concrete	NAFD	
11MD1R 247	Adhesive, 12"x 12" Blue Floor Tile	Office 129B, 1st Layer, Over Concrete	N-ACM	
11MD1R 248	Floor Tile 12"x 12" Tan	Office 129B, 2nd Layer, Over Concrete	I NF	192 Sq. Ft.
11MD1R 249	Adhesive, 12"x 12" Tan Floor Tile	Office 129B, 2nd Layer, Over Concrete	N-ACM	
11MD1R 250	Ceiling Tile (2'x 4')	Office 129B	N-ACM	
11MD1R 251	Adhesive, Baseboard	Walls, Office 129B	N-ACM	
11MD1R 252	Insulation	Office 129B, Above Ceiling Tile	N-ACM	
	Service Lane			
11MD1R 253	Asphalt Roofing Material	Flat Roof, Over North End, 1st Layer	N-ACM	
11MD1R 254	Insulation Board	Flat Roof, Over North End, 2nd Layer	N-ACM	
11MD1R 255	Asphalt Joint Compound	Flat Roof, Over North End, Around Air Handler	N-ACM	
11MD1R 256	TSI Run	Flat Roof, Over North End, Inside Air Handler	N-ACM	
11MD1R 257	TSI Elbow	Flat Roof, Over North End, Inside Air Handler	F	2 Lin. Ft.
11MD1R 258	Insulation	Flat Roof, Over North End, Inside Air Handler Door & Walls	N-ACM	
11MD1R 259	Asphalt Roofing Material	Flat Roof, Over 2nd Floor, 1st Layer	N-ACM	
11MD1R 260	Insulation Board	Flat Roof, Over 2nd Floor, 2nd Layer	N-ACM	

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DISTRICT:	6	CERTIFICATION #:	7112010411MOIR13142, K.T.
COUNTY:	City of St Louis	SITE ADDRESS:	1515 North 11th Street, St Louis, 63106
DATE OF SURVEY:	June 13-16, 30-July 1, July 5-8, & 11-13, 2011	TYPE(S) OF STRUCTURE(S):	Multiple Level Brick and Block Commercial Building on Concrete Slab
PARCEL NO.:	533		

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Service Lane (Continued)			
11MD1R 261	Asphalt Joint Compound	Flat Roof, Over 2nd Floor, Around Air Handler	N-ACM	
11MD1R 262	TSI Run	Flat Roof, Over 2nd Floor, Inside Air Handler	N-ACM	
11MD1R 263	TSI Elbow	Flat Roof, Over 2nd Floor, Inside Air Handler	N-ACM	
11MD1R 264	Insulation	Flat Roof, Over 2nd Floor, Inside Air Handler Door & Walls	N-ACM	
11MD1R 265	Lightweight Concrete	Flat Roof, 2-Over North End and 1-Over 2nd Floor, Pads Under Exhaust Fans	II NF	38 Sq. Ft.
11MD1R 337	Caulking on Block/Metal	Around Windows, 2nd Floor	N-ACM	
11MD1R 338	Caulking on Block/Metal	Around Exterior and Interior Entry Doors	N-ACM	
11MD1R 339	Caulking on Block/Metal	Around Overhead Doors	N-ACM	
11MD1R 266	TSI Firedoor Insulation	Doors: 02, 28, 45, & 46	N-ACM	
11MD1R 267	TSI Run	Pipe #1, 1st Floor Service Bays (Hot Water)	N-ACM	
11MD1R 268	TSI Elbow	Pipe #1, 1st Floor Service Bays	N-ACM	
11MD1R 269	TSI Run	Pipe #2, 1st Floor Service Bays (Cold Water)	N-ACM	
11MD1R 270	TSI Elbow	Pipe #2, 1st Floor Service Bays	N-ACM	
11MD1R 271	TSI Run	Pipe #3 Small South, 1st Floor Service Bays (Hot Water)	N-ACM	
11MD1R 272	TSI Elbow	Pipe #3 Small South, 1st Floor Service Bays	N-ACM	
11MD1R 273	TSI Run	Pipe #3 Medium, 1st Floor Service Bays	N-ACM	
11MD1R 274	TSI Elbow	Pipe #3 Medium, 1st Floor Service Bays	N-ACM	
11MD1R 275	TSI Run	Pipe #3 Large Valve, 1st Floor Service Bays	N-ACM	
11MD1R 276	TSI Elbow	Pipe #3 Large Valve, 1st Floor Service Bays	N-ACM	
11MD1R 277	TSI Run	Pipe #4, 1st Floor Service Bays (Steam)	N-ACM	

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

ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: June 13-16, 30-July 1, July 5-8, & 11-13, 2011
PARCEL NO.: 533

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7112010411MOIR11239, F.R. 7112010111MOIR7165, D.R.
CERTIFICATION #: 7112010411MOIR13142, K.T.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Service Lane (Continued)			
11MD1R 278	TSI Mud	Pipe #4, 1st Floor Service Bays (Steam): 9-Elbows, 1-T-Fitting, and 5-Hangers	F	21 Lin. Ft.
11MD1R 279	TSI Run	Pipe #5, 1st Floor Service Bays (Abandoned)	N-ACM	
11MD1R 280	TSI Mud	Pipe #5, 1st Floor Service Bays (Abandoned): 9-Elbows, 2-T-Fittings, and 7-Hangers	F	24 Lin. Ft.
11MD1R 281	TSI Run	Pipe #6 Roof Drains, 1st Floor Service Bays	N-ACM	
11MD1R 282	TSI Elbow	Pipe #6 Roof Drains, 1st Floor Service Bays	N-ACM	
11MD1R 340	TSI Hanger	23-Pipe #6 Roof Drains, 1st Floor Service Bays	N-ACM	
11MD1R 283	TSI Run	Pipe #7, 1st Floor Service Bays	N-ACM	
11MD1R 284	TSI Elbow	Pipe #7, 1st Floor Service Bays	N-ACM	
11MD1R 285	TSI Run	Pipe #8, Roof Drains, 2nd Floor	N-ACM	
11MD1R 286	TSI Elbow	Pipe #8, Roof Drains, 2nd Floor	N-ACM	
11MD1R 341	TSI Hanger	4-Pipe #8, Roof Drains, 2nd Floor	N-ACM	
11MD1R 287	TSI Run	Pipe #9, Above Ceiling Tile 210 and Pipechase, 2nd Floor	N-ACM	
11MD1R 288	TSI Mud	Pipe #9, Elbows/Unions/T's/Valves/Hangers, Men's Locker Room 210 and Pipechase, 2nd Floor	F	23 Lin. Ft.
11MD1R 269	TSI Run	Pipechases, to Bathrooms & Showers, 1st Floor Pipe #2 (Cold Water) to 2nd Floor, 2nd Floor	N-ACM	
11MD1R 342	TSI Elbow		N-ACM	
11MD1R 343	TSI Elbow (Patch)		N-ACM	
11MD1R 273	TSI Run	Pipechases, to Bathrooms & Showers, 1st Floor Pipe #3 (Hot Water) to 2nd Floor, 2nd Floor	N-ACM	
11MD1R 344	TSI Elbow		N-ACM	

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

ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: June 13-16, 30-July 1, July 5-8, & 11-13, 2011
PARCEL NO.: 533

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7112010411MOIR11239, F.R. 7112010111MOIR7165, D.R.
CERTIFICATION #: 7112010411MOIR13142, K.T.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Service Lane (Continued)			
11MD1R 289	Floor Tile (12"x 12" White)	Hallways, Women's Bath (215), Women's Locker Room (214), Janitor's Closet (208), Driver's Lounge (205-Under Carpet Squares), Driver's Locker Room (206-Under Carpet Squares), Men's Bath (209), Men's Locker Room (210), Training Room (212), Trainer Office (212B), Lunchroom (211), and Storage (211B); 2nd Floor, Over Concrete	I NF	3,184 Sq. Ft.
11MD1R 290	Mastic, 12"x 12" White Floor Tile		I NF	
11MD1R 291	Floor Tile (12"x 12" White)		I NF	
11MD1R 292	Mastic, 12"x 12" White Floor Tile		I NF	
11MD1R 293	Floor Tile (12"x 12" White)		I NF	
11MD1R 294	Mastic, 12"x 12" White Floor Tile		I NF	
11MD1R 295	Floor Tile (12"x 12" White)	Offices 217/218/220, and Closet 220, 2nd Floor, Over Concrete	NAFD	533 Sq. Ft.
11MD1R 296	Mastic, 12"x 12" White Floor Tile		I NF	
11MD1R 297	Floor Tile (12"x 12" Rose)	Entry, Driver's Lounge (205), 2nd Floor, Over Concrete	NAFD	13 Sq. Ft.
11MD1R 298	Mastic, 12"x 12" Rose Floor Tile	Entry, Driver's Lounge (205), 2nd Floor, Over Concrete	I NF	
11MD1R 299	Grout, Ceramic Tile	Floors: Half Bathroom (219), Showers (206/210/214), and Bathrooms (207/209/215); all 2nd Floor	N-ACM	
11MD1R 300	Mortar, Ceramic Tile		N-ACM	
11MD1R 301	Grout, Ceramic Tile	Walls: Half Bathroom (219), Showers (206/210/214), and Bathrooms (207/209/215); all 2nd Floor	N-ACM	
11MD1R 302	Mortar, Ceramic Tile		N-ACM	
11MD1R 303	Surfacing Material	Ceiling, Stairwell (135), Mezzanine Hallway, Stairwell from Mezzanine to 2nd Floor, and Landing 2nd Floor	F	218 Sq. Ft.
11MD1R 304	Surfacing Material		F	
11MD1R 305	Surfacing Material	Ceiling, Stairwell from Driver's to Ground (201)	F	
11MD1R 306	Ceiling Tile (2'x 4' 5th Avenue)	Throughout 2nd Floor Except NW Hall, Janitor's Closet (208), Closet 220, and Showers (206/210/214)	N-ACM	
11MD1R 307	Ceiling Tile (2'x 4' Different Worm)	Northwest Hallway, 2nd Floor	N-ACM	
11MD1R 308	Ceiling Tile (2'x 4' No Worm)	Janitor's Closet (208) and Closet 220	N-ACM	
11MD1R 309	Ceiling Tile (1'x 1')	Showers: Driver's (206), Men's (210), and Women's (214)	N-ACM	

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MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
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ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF SURVEY: June 13-16, 30-July 1, July 5-8, & 11-13, 2011
PARCEL NO.: 533

SURVEYED BY: Frank Reichart, Diane Roegge, and Kevin Thoenen
CERTIFICATION #: 7112010411MOIR11239, F.R. 7112010111MOIR7165, D.R.
CERTIFICATION #: 7112010411MOIR13142, K.T.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
	Service Lane (Continued)			
11MD1R 310	Ceiling Light Fixture	2-West End by Hall, Women's and Men's Baths (209/215)	F	2 Sq. Ft.
11MD1R 311	Adhesive, Baseboard (Dark Brown)	Walls: Hallways, 205/206/208/209/210/214/215/217/218/220/220 Closet	N-ACM	
11MD1R 312	Adhesive, Baseboard (Brown)	Walls: Storage 211B	N-ACM	
11MD1R 313	Adhesive, Baseboard (Tan)	Walls: Training Room (212) and Trainer Office (212B)	N-ACM	
11MD1R 314	Adhesive, Baseboard (Light Tan)	Walls: Driver's Lounge (205) & Driver's Locker Rm (206)	N-ACM	
11MD1R 315	Adhesive, Baseboard (Cream)	Walls: Driver's Lounge (205)	N-ACM	
11MD1R 326	Adhesive, Baseboard (Dark Green)	Walls: Lunchroom (211)	N-ACM	
11MD1R 316	Sheetrock, Joint/Tape/Mud	Walls, Training Room (212), Trainer's Office (212B), Lunchroom (211), and Storage (211B)	N-ACM	
11MD1R 317	Sheetrock, 2 Foot from Joint		N-ACM	
11MD1R 318	Insulation	Inside Rigid Ductwork, Above Ceilings, 2nd Floor	N-ACM	
11MD1R 319	Insulation	Flexible Ductwork, Above Ceilings, 2nd Floor	N-ACM	

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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
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF TESTS: June 22-24,27-28, and July 5, 11, & 14, 2011
PARCEL NO.: 533

TESTED BY: Frank Reichart and Diane Roegge
CERTIFICATION #: 7112010411MOIR11239, F.R.
CERTIFICATION #: 7112010111MOIR7165, D.R.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
	Cass Avenue Garage					
11MD1R 162	Asphalt Joint Compound	Roof, Along Cupola Windows	I NF	200 Sq. Ft.	Chrysotile	15-30
	11th Street Garage					
		None Located	I NF			
	Stockroom					
		None Located	I NF			
	Service Lane					
		None Located	I NF			

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

I NF = Category I Nonfriable

Form T748
Rev. 04/2003

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

ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF TESTS: June 22-24,27-28, and July 5, 11, & 14, 2011
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TESTED BY: Frank Reichart and Diane Roegge
CERTIFICATION #: 7112010411MOIR11239, F.R.
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SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
		Cass Avenue Garage					
202-40.38	11MD1R 158	Transite Siding	Roof, Cupola East Gable, Under Metal Siding	II NF	113 Sq. Ft.	Chrysotile	10-20
202-40.43	11MD1R 159	Asphalt Felt Material (Strips)	Roof, Cupola East Gable, Under Transite Siding, and West Gable Under Metal Siding	N-ACM			
	11MD1R 160	Asphalt Felt Material		I NF	225 Sq. Ft.	Chrysotile	20-45
202-40.46	11MD1R 166	Caulking on Windows	4'x 4': 2-Interior, Office 128B & Office 128C	II NF	64 Lin. Ft.	Chrysotile	1-3
202-40.48	11MD1R 323	Caulking on Brick/Metal	Around All Exterior Windows, Top & Both Sides; 1-Vent, and 4-Roof Drains	II NF	726 Lin. Ft.	Chrysotile	3-8
202-40.48	11MD1R 331	Caulking on Brick/Metal (Residual)	Exterior, Around Door 20 (South by Overhead Door)	II NF	13 Lin. Ft.	Chrysotile	3-8
202-40.24	11MD1R 171	TSI Elbow	Pipe #2 (Cold Water): 5-Elbows, 6-T-Fit-tings, and 1-Valve	F	10 Lin. Ft.	Amosite	1-5
						Chrysotile	1-3
		11th Street Garage					
202-40.48	11MD1R 190	Caulking on Brick	Around Windows: 2-West Loft, Vertical Seams Only & 1-Room 119 Around All, and 4-Exhaust Fans/Vents (West)	II NF	91 Lin. Ft.	Chrysotile	3-8
202-40.48	11MD1R 324	Caulking on Brick (Old)	Around 5-North Windows, Vertical Seams Only	II NF	53 Lin. Ft.	Chrysotile	1-5
202-40.24	11MD1R 213	TSI Mud	Pipe #1 (Steam), **Elbows** 40-Main, 4-M2, 9-Loft, 3-Room 112, 1 Remnant-Room 118, & 3-Room 119; **T-Fittings** 8-Main, 1-M2, 1-Room 112, & 1-Room 119; **Hangers** 2-Room 119, 1-M2, & 7-Loft; **Unions** 1-M2, & 4-Loft; **Valves** 7-Main, 1-M2 & 1-Room 112; and **4-Way Fitting** 1-Loft	F	118 Lin. Ft.	Amosite	1-5

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

ROUTE: I-70
MODOT JOB NO.: J6U1086
DISTRICT: 6
COUNTY: City of St Louis
DATE OF TESTS: June 22-24,27-28, and July 5, 11, & 14, 2011
PARCEL NO.: 533

TESTED BY: Frank Reichart and Diane Roegge
CERTIFICATION #: 7112010411MOIR11239, F.R.
CERTIFICATION #: 7112010111MOIR7165, D.R.
SITE ADDRESS: 1515 North 11th Street, St Louis, 63106
TYPE(S) OF STRUCTURE(S): Multiple Level Brick and Block Commercial Building on Concrete Slab

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
		11th Street Garage (Continued)					
202-40.24	11MD1R 217	TSI Hanger	Pipe #2 (Hot Water) 9-Main, 4-Loft, 6-M3, and 2-Room 115	F	79 Lin. Ft.	Amosite	1-5
	11MD1R 218	TSI Mud	Pipe #2 (Hot Water): **Elbows** 11-Main, 4-Loft, 9-M3, & 1-Room 115; **T-Fittings** 2-Main & 2-M3; **Unions** 1-Room 115 & 1-M3; and **Valves** 4-M3	F		Amosite	1-5
202-40.24	11MD1R 220	TSI Mud	Pipe #3 (Cold Water): **Elbows** 4-Main, 3-Loft, 6-M3, 2-Room 115, & 2-Room 118; **T-Fittings** 3-Main, 3-Loft, & 1-M3; **Hangers** 2-Main & 3-M3; **Unions** 1-Loft, 2-M3, & 1-Room 115; and **Valves** 2-Main & 1-Battery Room 118	F	37 Lin. Ft.	Amosite	1-5
202-40.24	11MD1R 328	TSI Patched Elbow	Pipe #4 (Cold Water), Battery Room 118	F	4 Lin. Ft.	Chrysotile	1-5
202-40.24	11MD1R 218	TSI Elbows & T-Fittings	Pipe #2 (Hot Water) and Pipe #4 (Cold Water), Pipechase from M3 to Baths (106/107)	F	20 Lin. Ft.	Amosite	1-5
	11MD1R 222	TSI Elbows & T-Fittings		N-ACM			
202-40.38	11MD1R 225	Transite Pipe	Abandoned Steam Line, Underground	II NF	148 Lin. Ft.	Chrysotile	12-25
						Crocidolite	1-4
202-40.24	11MD1R 175	TSI Elbow & Union Joints	Pipe #6 (Roof Drain), Room 119: 2-Elbows, 3-Unions, and 4-Hangers	F	10 Lin. Ft.		
	11MD1R 327	TSI Hanger				Chrysotile	1-2
202-40.96	11MD1R 195	Floor Tile (Brown)	Office 109, 3rd Layer, Over Concrete	I NF	218 Sq. Ft.	Chrysotile	3-8
202-40.13	11MD1R 205	Surfacing Material	Ceilings and Loose on Floor, Rooms 119 & 120	F	262 Sq. Ft.	Chrysotile	1-5

Continued on next page

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

ROUTE:	I-70	**TESTED BY:**	Frank Reichart and Diane Roegge
MODOT JOB NO.:	J6U1086	**CERTIFICATION #:**	7112010411MOIR11239, F.R.
DISTRICT:	6	**CERTIFICATION #:**	7112010111MOIR7165, D.R.
COUNTY:	City of St Louis	**SITE ADDRESS:**	1515 North 11th Street, St Louis, 63106
DATE OF TESTS:	June 22-24,27-28, and July 5, 11, & 14, 2011	**TYPE(S) OF STRUCTURE(S):**	Multiple Level Brick and Block Commercial Building on Concrete Slab
PARCEL NO.:	533		

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
		Stockroom					
202-40.24	11MD1R 240	TSI Tape	40-Pipe #1 (Steam to Overhead Heaters)	F	77 Lin. Ft.	Chrysotile	30-50
						Amosite	1-4
202-40.24	11MD1R 241	TSI Mud	Pipe #1 (Steam to Overhead Heaters): 15-Elbows, 4-Hangers, 3-T-Fittings, & 3-Valves	F	37 Lin. Ft.	Amosite	1-5
						Chrysotile	1-3
202-40.24	11MD1R 243	TSI Mud	Pipe #2 (Roof Drains-East/West), 12-Hangers & Unions and 1-Y-Joint	F	8 Lin. Ft.	Chrysotile	1-2
202-40.24	11MD1R 244	TSI (Patched) Hanger and Union Joint	Pipe #2 (Roof Drain-East/West), 2nd from East Wall	F	3 Lin. Ft.	Chrysotile	1-2
202-40.96	11MD1R 248	Floor Tile 12"x 12" Tan	Office 129B, 2nd Layer, Over Concrete	I NF	192 Sq. Ft.	Chrysotile	1-3
			None Located	II NF			
		Service Lane					
202-40.24	11MD1R 257	TSI Elbow	Flat Roof, Over North End, Inside Air Handler	F	2 Lin. Ft.	Amosite	1-5
202-40.43	11MD1R 265	Lightweight Concrete	Flat Roof, Pads Under Exhaust Fans, 2-Over North End and 1-Over 2nd Floor	II NF	38 Sq. Ft.	Chrysotile	10-20
202-40.24	11MD1R 278	TSI Mud	Pipe #4, 1st Floor Service Bays (Steam): 9-Elbows, 1-T-Fitting, and 5-Hangers	F	21 Lin. Ft.	Amosite	1-3
202-40.24	11MD1R 280	TSI Mud	Pipe #5, 1st Floor Service Bays (Abandoned): 9-Elbows, 2-T-Fittings, and 7-Hangers	F	24 Lin. Ft.	Amosite	1-5
202-40.24	11MD1R 288	TSI Mud	Pipe #9, Elbows/Unions/T's/Valves/Hangers, Men's Locker Room 210 & Pipechase; 2nd Floor	F	23 Lin. Ft.	Amosite	1-4

Continued on next page

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

ROUTE:	I-70	TESTED BY:	Frank Reichart and Diane Roegge
MODOT JOB NO.:	J6U1086	CERTIFICATION #:	7112010411MOIR11239, F.R.
DISTRICT:	6	CERTIFICATION #:	7112010111MOIR7165, D.R.
COUNTY:	City of St Louis	SITE ADDRESS:	1515 North 11th Street, St Louis, 63106
DATE OF TESTS:	June 22-24,27-28, and July 5, 11, & 14, 2011	TYPE(S) OF STRUCTURE(S):	Multiple Level Brick and Block Commercial Building on Concrete Slab
PARCEL NO.:	533		

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
		Service Lane (Continued)					
202-40.98	11MD1R 289	Floor Tile (12"x 12" White)	Hallways, Women's Bath/Locker Room (215/214), Janitor's Closet (208), Men's Bath/ Locker Room (209/210), Driver's Lounge/ Locker Room (205/206), Training Room/ Trainer's Office (212/212B), Lunchroom/ Storage (211/211B); 2nd Floor, Over Concrete	I NF	3,184 Sq. Ft.	Chrysotile	1-5
	11MD1R 290	Mastic, 12"x 12" White Fl. Tile		I NF		Chrysotile	2-7
	11MD1R 291	Floor Tile (12"x 12" White)		I NF		Chrysotile	1-5
	11MD1R 292	Mastic, 12"x 12" White Fl. Tile		I NF		Chrysotile	2-7
	11MD1R 293	Floor Tile (12"x 12" White)		I NF		Chrysotile	1-5
	11MD1R 294	Mastic, 12"x 12" White Fl. Tile		I NF		Chrysotile	2-7
202-40.98	11MD1R 295	Floor Tile (12"x 12" White)	Offices 217/218/220, and Closet 220, 2nd Floor, Over Concrete	NAFD	533 Sq. Ft.		
	11MD1R 296	Mastic, 12"x 12" White Fl. Tile		I NF		Chrysotile	2-7
202-40.98	11MD1R 297	Floor Tile (12"x 12" Rose)	Entry, Driver's Lounge (205), 2nd Floor, Over Concrete	NAFD	13 Sq. Ft.		
	11MD1R 298	Mastic, 12"x 12" Rose Fl. Tile		I NF		Chrysotile	2-7
202-40.13	11MD1R 303	Surfacing Material	Ceiling, Stairwell (135), Mezzanine Hallway, Stairwell to 2nd Floor, and Landing 2nd Floor	F	218 Sq. Ft.	Chrysotile	3-8
	11MD1R 304	Surfacing Material		F		Chrysotile	3-8
	11MD1R 305	Surfacing Material	Ceiling, Stairwell from Driver's to Ground (201)	F		Chrysotile	3-8
202-40.40	11MD1R 310	Ceiling Light Fixture	2-West End, Women's & Men's Baths (209/215)	F	2 Sq. Ft.	Chrysotile	50-60

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