

# Project Area Contamination Survey

Proposed Reconstruction of I-75  
M-102 to M-59  
Oakland County, Michigan

Prepared for:  
Michigan Department of Transportation

Prepared by:  
The Corradino Group of Michigan, Inc.



## Summary

This report documents a project area contamination survey performed for a lane addition, reconstruction (and related improvements) to I-75 between M-102 (8 Mile Road) and M-59 in Oakland County, Michigan. The survey included a reconnaissance of the project corridor, and review of historical land use records and federal and state environmental records.

The "Build Alternative" is anticipated to require approximately four acres of new right-of-way from mostly vacant or occupied residential lots, and as such, represents a low risk for contamination. Narrow strips of land from six commercial properties and two full commercial properties could also be acquired along I-75 for the lane addition. Another eight parcels would be acquired along 12 Mile Road, if the single-point interchange (SPUI) is built there. Finally, a seven-acre parcel will likely be acquired for detention of stormwater.

The review of federal and state environmental records identified 49 listed sites within the project corridor. Most of these are underground storage tank (UST) sites and/or permitted small-quantity hazardous waste generators, such as gas stations, dry cleaners, paint stores, and the like. These sites were rated for their contamination potential based on their proximity to I-75 and their current environmental condition. Four sites identified in the records search are properties that could be acquired (partial takes) for the Build Alternative and the SPUI. Three of these sites were rated medium/high for contamination potential because they are within the proposed right-of-way and because they operate or previously operated petroleum underground storage tanks. These sites are: SID No. C8 (204) Clark Store #2136 at 601 W. 12 Mile Road; SID No. C13 (212) Sparky's Tune-up at 1716 North Stephenson Highway; and, SID No. C6 (221) Service Drive Auto at 402 South Stephenson Highway. Sampling and testing for petroleum at these sites is recommended to be conducted during the Preliminary Site Investigation and before right-of-way acquisition proceeds. The other sites were rated low for contamination potential.

Because of the high degree of commercial development along I-75, particularly in the southern part of the corridor, there is a possibility that contaminant releases from nearby sites have migrated onto or beneath the I-75 right-of-way. The construction documents should include provisions to address contaminated soil or groundwater if encountered during construction.



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# 1. Description of the Proposed Project

I-75, the main north-south roadway through Oakland County, is experiencing congestion in the peak periods that will get more severe and extend through greater portions of the day as the future unfolds. It provides three lanes in each direction through most of the county except for a section between Square Lake Road and a point west of M-24 (Figure 1-1). A fourth lane also is present between M-102 (8 Mile Road) and I-696, but this lane is considered an auxiliary lane,<sup>1</sup> not a through travel lane, as it serves the weave movements to and from the many ramps in this section.

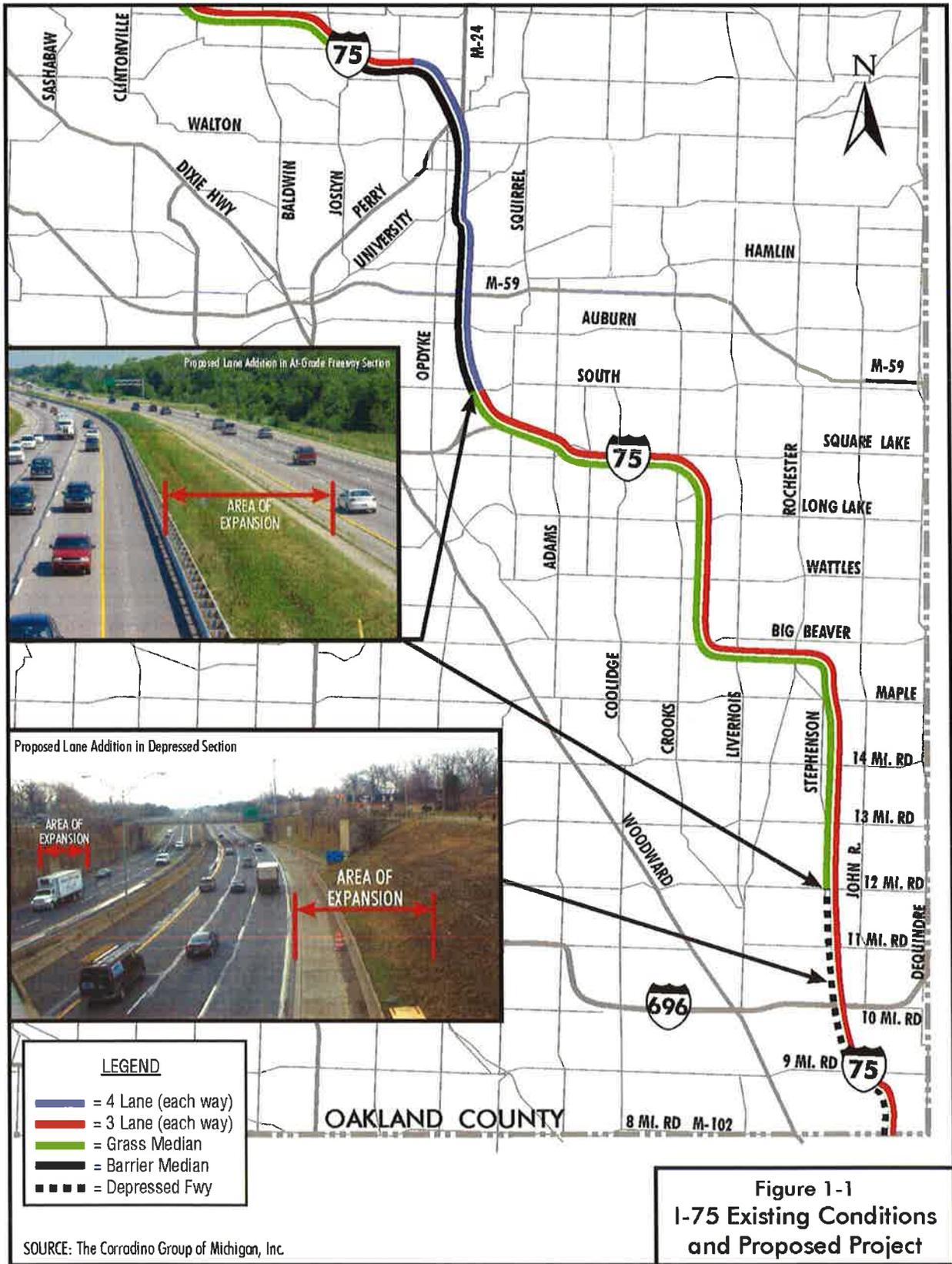
The *I-75 Corridor Study in Oakland County (Feasibility Study)*,<sup>2</sup> completed in November 2000, recommended providing four through travel lanes in each direction throughout Oakland County. It also recommended the improvement of several interchanges and arterial streets near I-75. The federal action proposed by the Michigan Department of Transportation (MDOT) and covered by the Draft Environmental Impact Statement (DEIS) that this Project Area Contamination Survey supports, addresses the reconstruction of I-75 and its widening of I-75 from three to four through travel lanes in each direction between M-102 (8 Mile Road - exit 59) and M-59 (exit 77), a distance of 18 miles. The next six miles, north to Joslyn Road (exit 83) has already been widened. The Feasibility Study recommends that MDOT plan to widen I-75 north of Joslyn Road. However, the proposed improvements between M-102 and M-59 have independent utility, i.e., they can stand alone and provide transportation benefits without relying upon the development of other projects. The project will connect with the four-lane section north of Square Lake Road and south of M-102.

The proposed improvements include reconstructing the 12 Mile and 14 Mile Road interchanges. Modifications to the Crooks/Long Lake interchange and the I-75/M-59 interchange are separate projects and, as such, are not covered by the DEIS or this Project Area Contamination Survey. The I-75/M-59 project extends south to about South Boulevard. Therefore, the environmental analysis of the proposed project covered in the DEIS extends north to that point from M-102. Other independent, but related MDOT projects in the area include a new pedestrian bridge over I-75 south of Auburn Road and noise mitigation in the Square Lake Road area.

This Project Area Contamination Survey supports the I-75 Oakland County Planning/Environmental Study, which is listed in the Southeast Michigan Council of Government's (SEMCOG's) 2025 Regional Transportation Plan, in SEMCOG's Transportation Improvement Plan (TIP), and in the Michigan Department of Transportation's (MDOT's) Five-Year Road & Bridge Program (Volume V – 2003 to 2007) for the Metro Region.

<sup>1</sup> An auxiliary lane is one that begins as an on-ramp, but never fully merges with the mainline. Instead it continues as the rightmost lane of the freeway to the next exit, where it becomes an "exit only" lane. So it functions as a travel lane between two interchanges. The advantage is that it adds some mainline capacity and lengthens the decision-making distance and time for merges and diverges.

<sup>2</sup> *I-75 Corridor Study in Oakland County*; The Corradino Group for the Michigan Department of Transportation, the Southeast Michigan Council of Governments, the Road Commission for Oakland County and the Traffic Improvement Association; November 2000.



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## 2. Introduction

### Purpose

This document presents the findings of a Project Area Contamination Survey (PACS) for the I-75 EIS. The user of this report is the Michigan Department of Transportation (MDOT).

The purpose of the PACS is to investigate parcels of property potentially affected by an MDOT project for the presence of environmental contamination and to determine if further investigation and/or remediation of contaminated sites are needed. The sites considered in this assessment include commercial properties that could be acquired and nearby sites that might potentially have an environmental effect on the project.

### Special Terms and Conditions

The term "recognized environmental conditions" means the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into structures on the property or into the site, groundwater, or surface water of the property. The term "recognized environmental condition" is not intended to include any de minimus condition that generally does not present a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action, if brought to the attention of appropriate governmental agencies.

### Limitations and Exceptions of the Survey

The information contained in this report is limited to publicly available, practically reviewable and data obtainable within reasonable time and cost constraints. It is also limited to conspicuous visible indications of potential environmental concerns made during the reconnaissance.

### Limiting Conditions and Methodology Used

This PACS was prepared in accordance with the appropriate sections of MDOT's *Guidance Manual for Preparing Environmental Documents*. The distance used in the search of federal and state databases was approximately one-half mile along each side of I-75 through the proposed corridor. The project improvements being considered would mostly occur within existing MDOT-owned right-of-way. The assessment for potential contamination impacts focuses on contaminated properties that may be acquired and on adjacent and nearby sites that could potentially affect the project.

## Land Uses

Land use in the I-75 project corridor is a mix of residential, commercial, residential, and institutional uses. The area along I-75 south of Madison Heights is largely urbanized and was largely developed before 1950. Residential development in this part of the corridor consists primarily of single-family homes. The area north of Madison Heights was predominantly agricultural before I-75 was built. As a result of the transition from agricultural to residential and commercial usage, this area exhibits a less-dense pattern of development. The residential areas along this part of I-75 include a number of multi-unit apartment complexes as well as single-family homes.

### 3. Project Alternatives

The project alternatives consist of "build" and "no build" alternatives. Under the "no build" or no action alternative, no roadway improvements would be made and no potential contamination impacts would result. Only regular maintenance would occur. The "build alternatives" all include adding a through travel lane between M-102 (8 Mile Road) and M-59 to bring the total lanes to four in each direction. The lane could be used by all vehicles (General Purpose, or GP) or be restricted to use by High Occupancy Vehicles (HOV) in peak hours. These alternatives would require essentially the same footprint and would encounter the same potential contamination impacts. Therefore, for the purpose of this PACS, these two alternatives are evaluated once and the alternative is referred to in the remainder of this report as the "build alternative." This survey also included potential contamination impacts associated with construction of a single point urban interchange (SPUI) at I-75 and 12 Mile Road and a stormwater detention pond on a vacant seven-acre parcel on Austin Road. The build alternative, SPUI and retention basin would require acquisition of approximately 11 acres of new right-of-way from about 60 parcels of land. Of these 60 parcels, only 11 are in commercial use. The other parcels are residential, institutional or vacant.



## 4. Records Review

### Standard Environmental Record Sources – Federal and State

A records search company (Environmental Data Resources, Inc. or EDR) was utilized to provide federal and state environmental records for the project corridor. The results of the search are contained in an "Environmental Atlas." The Environmental Atlas is appended to this report.

The federal and state record searches included the ASTM E1527-00 standard databases as well as non-ASTM federal and state databases. This report focuses only on the ASTM standard databases, which are described below. Descriptions of all the databases searched, including the non-ASTM standard databases, can be found in the Environmental Atlas

- NPL: National Priorities List (Superfund); Source: USEPA. The NPL is a subset of CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) and identifies over 1,200 sites for priority cleanup under the Superfund Program.
- CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System; Source: United States Environmental Protection Agency (USEPA). CERCLIS contains information on sites identified by USEPA as abandoned, inactive or uncontrolled hazardous waste sites, which may require cleanup.
- CERCLIS NFRAP: Comprehensive Environmental Response, Compensation and Liability Information System; Source: United States Environmental Protection Agency (USEPA). CERCLIS NFRAP (No Further Remedial Action Planned). The list contains former CERCLIS sites where no further remedial action is planned under CERCLA.
- RCRA CORRACTS: Resource Conservation and Recovery Act; Source: USEPA. CORRACTS are facilities subject to Corrective Action under RCRA.
- RCRA non-CORRACTS TSD: Resource Conservation and Recovery Act; Source: USEPA. This list contains RCRA-permitted hazardous waste treatment, storage, or disposal (TSD) facilities.
- RCRA Generators: Resource Conservation and Recovery Act; Source: USEPA. This list contains RCRA-permitted hazardous waste generators.
- ERNS: Emergency Response Notification System; Source: USEPA and the National Response Center of the US Coast Guard. ERNS contains information on reported releases of oil and hazardous substances.
- SHWS: State Contaminated Sites; Source: Department of Environmental Quality (DEQ). These hazardous waste site records are the state's equivalent to CERCLIS. These sites may

or may not have already been listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.

- LUST: Leaking Underground Storage Tanks; Source: DEQ. The LUST database contains a list of leaking underground storage tank incidents.
- UST: Underground Storage Tanks; Source: DEQ. The UST database contains information concerning registered underground storage tanks that are regulated under Subtitle 1 of the Resource Conservation and Recovery Act (RCRA) and which must be registered with the state department responsible for administering the UST program.
- BEA: Baseline Environmental Assessment Sites; Source: DEQ. The BEA database includes information on those sites which have required a baseline assessment to be performed.
- INDIAN UST: Underground Storage Tanks on Indian Land; Source: EPA Region 5. This database contains information concerning registered underground storage tanks that are regulated under Subtitle 1 of the RCRA and which are located on Indian land.
- HIST LF: Inactive Solid Waste Facilities; Source: DEQ. This database contains an inventory of inactive solid waste facilities in Michigan.

A "band" of approximately 0.5 miles of the existing I-75 roadway was used in search of federal and state databases. This search band is less than the ASTM standard search distance for some of the databases such as the NPL, RCRA-CORRACTS, and TSD databases, and more than the standard search distance for other databases.

The results of the search were divided into 23 blocks, or focus areas, that cover the I-75 corridor. Each block covers approximately three square miles and is numbered sequentially 1 through 23 from north to south in the Environmental Atlas (Appendix).

The number of sites in the federal and state ASTM standard databases identified within the project corridor are summarized below:

<u>Federal ASTM Standard Databases</u>		<u>State ASTM Standard Databases</u>	
NPL	0	State Haz. Waste	4
Proposed NPL	0	State Landfill	1
CERCLIS	0	LUST	105
CERC-NFRAP	1	UST	148
CORRACTS	1	BEA	22
RCRIS-TSD	1	HIST LF	3
RCRIS Lg. Quan. Gen.	11	INDIAN UST	0
RCRIS Sm. Quan. Gen.	285		
ERNS	21		

## Physical Setting

The topography within the project area is slightly inclined from south to north. Elevations range from about 650 feet above National Geodetic Vertical Datum (NGVD) in the southern part of the corridor to around 850 feet above NGVD at the north terminus of the project.

The project traverses two regional landscape ecosystem types: the Maumee Lake Plain and the Ann Arbor Moraines. The former consists of flat, clay lake plains dissected by broad sandy glacial drainage ways. Lacustrine (lake) deposits range from five to 100 feet thick over bedrock. Glacial landforms include clay lake plains intermingled with broad channels of lacustrine sand. Other landforms include end moraines in the northern part of the region. Beach ridges and sand dunes also occur. Ann Arbor Moraines are fine and medium-textured ground and end moraines, consisting of glacial drift 100 to 250 feet thick. Ground moraines of less than 6 percent slope form broad plains, whereas end moraine ridges have slopes up to 15 percent.

The soils of Oakland County are derived from glacial sediments deposited following the end of the Late-Wisconsin glaciation approximately 12,000 years ago. These sediments, known as drift, occur as unstratified and unsorted glacial till and well-sorted and stratified outwash deposits. Upland soils are generally derived from sandy till, whereas soils found at lower elevations are derived from meltwater-worked and sorted coarser-grained outwash and finer textured glacial lake deposits of varying textures. The Soil Survey of Oakland County, Michigan shows the following three major soil associations within the project corridor:

- Urban land-Blount-Lenawee – Urban land and nearly level and gently undulating, somewhat poorly-drained and poorly-drained loamy and silty soil on lake plains and moraines;
- Urban land-Spinks-Oshtemo – Urban land and nearly level to rolling, well-drained sandy soils on outwash plains, beach ridges, and moraines; and,
- Urban land-Marlette-Capac - Urban land and nearly level to hilly, well-drained to somewhat poorly drained loamy soils on outwash plains and moraines.

## Historical Use Information

The following summary of general land use development within the corridor was taken from Cultural Resources Survey.<sup>3</sup>

The 18-mile segment of I-75 that is included in this project was constructed in the 1960s and 1970s. The southern part of I-75, south of Gardenia, was reportedly built within the existing right-of-way of the Stephenson Super Highway and the Super Highway/Detroit United Railway (abandoned in 1934). The north section of I-75, between Madison Heights and M-59, was predominantly agricultural before construction of I-75. Since then, land use along I-75 has transitioned into urban-suburban development.

<sup>3</sup> Phase I Cultural Resources Survey of the Proposed I-75 Freeway Improvement, Oakland County, Michigan. Commonwealth Cultural Resources Group, Inc. , Dec. 2002.

Historical aerial photographs of areas that would be acquired for the build alternative were reviewed to identify former gas stations, dry cleaners, and industrial facilities, etc. that typically handle hazardous materials or wastes. This review focused on commercial properties that are within the right-of-way of the build alternative, the SPUI, and the stormwater retention basin site. Photographs from 1980, 1974, and 1963 were reviewed. The historical review of land use at the commercial properties for the build alternative is discussed in Chapter 5.

## 5. Project Impacts

### Potential Contamination Sites

This section describes the potential contamination impacts for the project. Sites that could potentially affect the project include new land being acquired for the project and adjacent or nearby sites with migrating contaminants. Right-of way from approximately 60 parcels could be acquired for the proposed widening, reconstructing pedestrian bridges, constructing the SPUI, and storm water detention. The right-of-way to be acquired includes whole parcels and strips of land from some parcels and totals approximately 11 acres, of which seven acres for construction of a stormwater detention basin. The affected parcels are primarily vacant lots and residential properties. The new right-of-way includes narrow strips of land from six commercial properties and two total acquisitions of commercial property along I-75, strips of land from seven commercial properties along 12 Mile Road (if the SPUI is built), and one undeveloped lot in a commercial/industrial setting for stormwater detention. These commercial sites are described below and their locations are depicted on the Potential Contamination Sites Map (Figure 5-1).

National City Bank (C1) is located along the west side of the I-75 service drive between West Otis Avenue and Goulson Avenue. An area of approximately 10 feet by 280 feet could be acquired from the west side of the property, which is used as a parking lot. Photographs from 1980 and 1974 show this site as it currently exists. The 1963 photograph depicts a second building in the east part of this lot and several trucks on-site. The area within the proposed right-of-way was part of the facility's parking lot.

Hastings Auto Parts (C2), 22905 South Chrysler Drive, is located on the northeast corner of West Woodruff Avenue and the I-75 service drive, just south of 9 Mile Road. This 0.3-acre property is potentially a total take. A building similar to the building that presently occupied this site was visible in the 1980, 1974 and 1963 photographs.

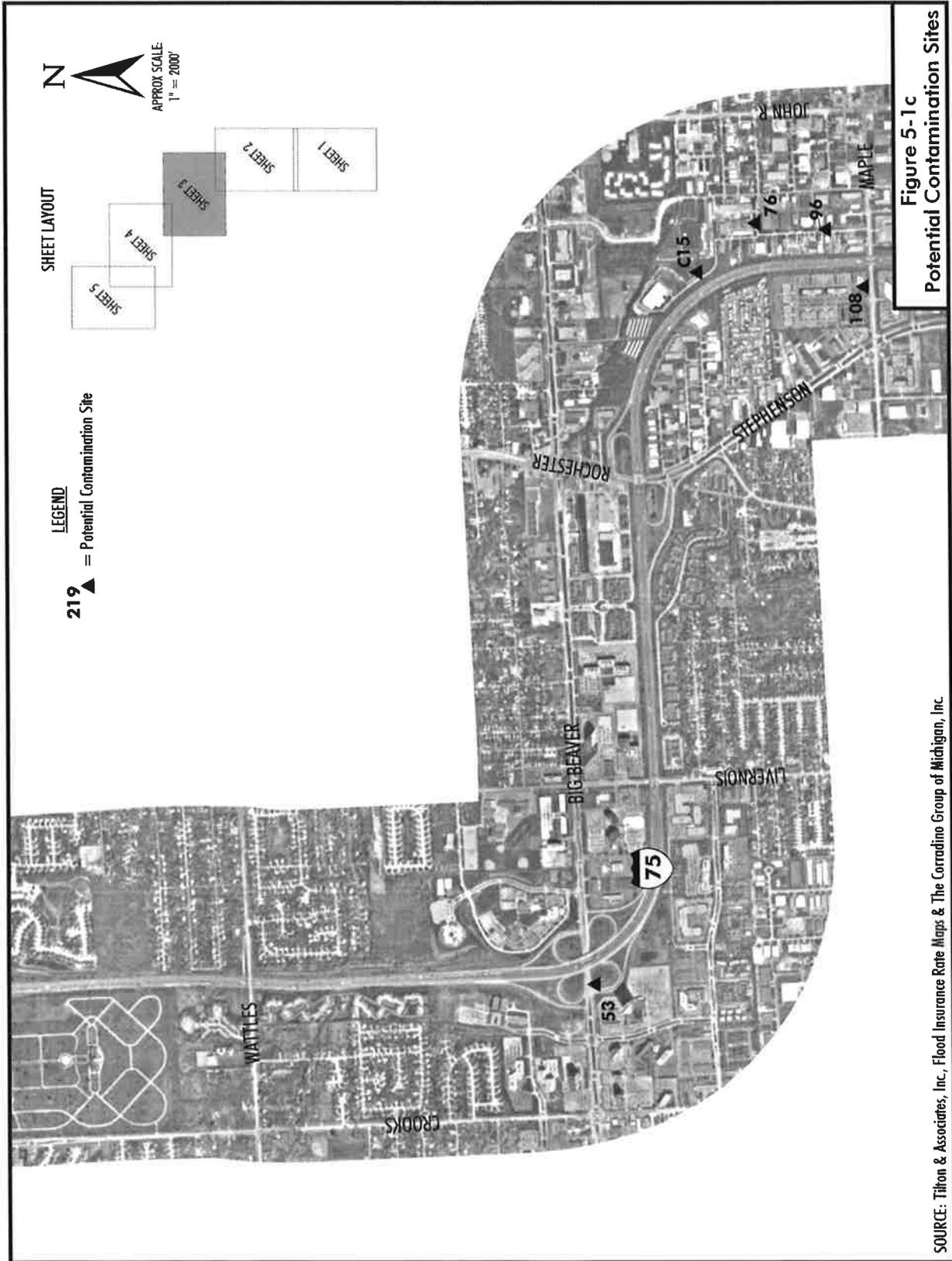
Commercial Site (C3) is Door-O-Matic at 23207 South Chrysler Drive. This site is the adjacent property south of Site C4 (Royal Homes). The potential acquisition area consists of a 10- by 100-foot strip from the eastern edge of the parcel. The building at the Door-O-Matic site was visible in the 1980 and 1974 photographs but was absent in the 1963 photograph. A second, smaller building was shown on the northwest part of this site in the 1963 photograph.

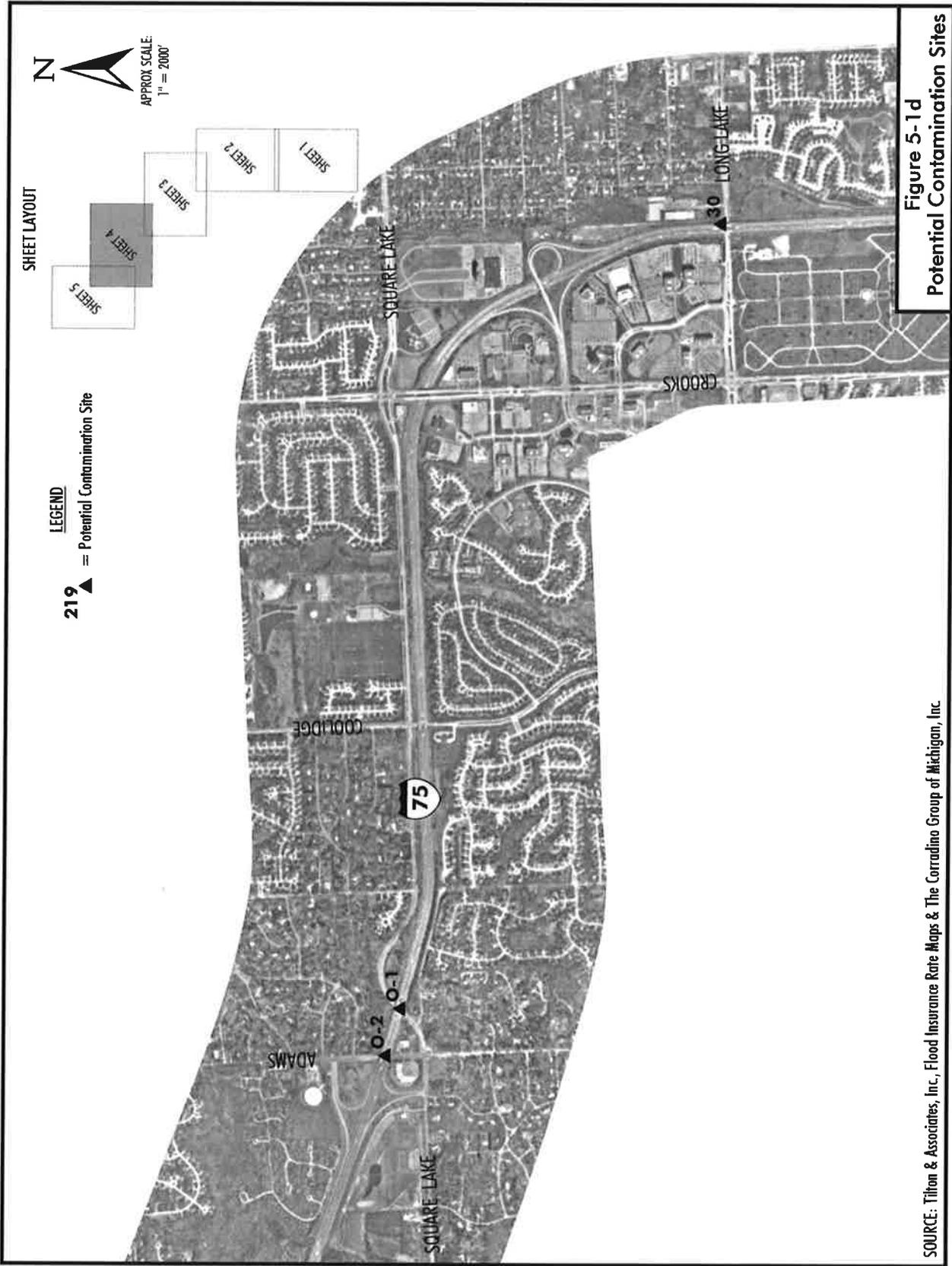
Site C4 was most recently occupied by Royal Homes but is now vacant. The minimum potential acquisition area consists of an eight- by 100-foot strip of land from the east side of the parcel. This site is situated on the southwest corner of W. Breckinridge Street and the I-75 service drive north of 9 Mile Road. The site appeared unoccupied in the photographs from 1980, 1974 and 1963. The building at the Royal Homes site was not visible in the 1963 photograph.



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SOURCE: Tifton & Associates, Inc., Flood Insurance Rate Maps & The Carradino Group of Michigan, Inc.  
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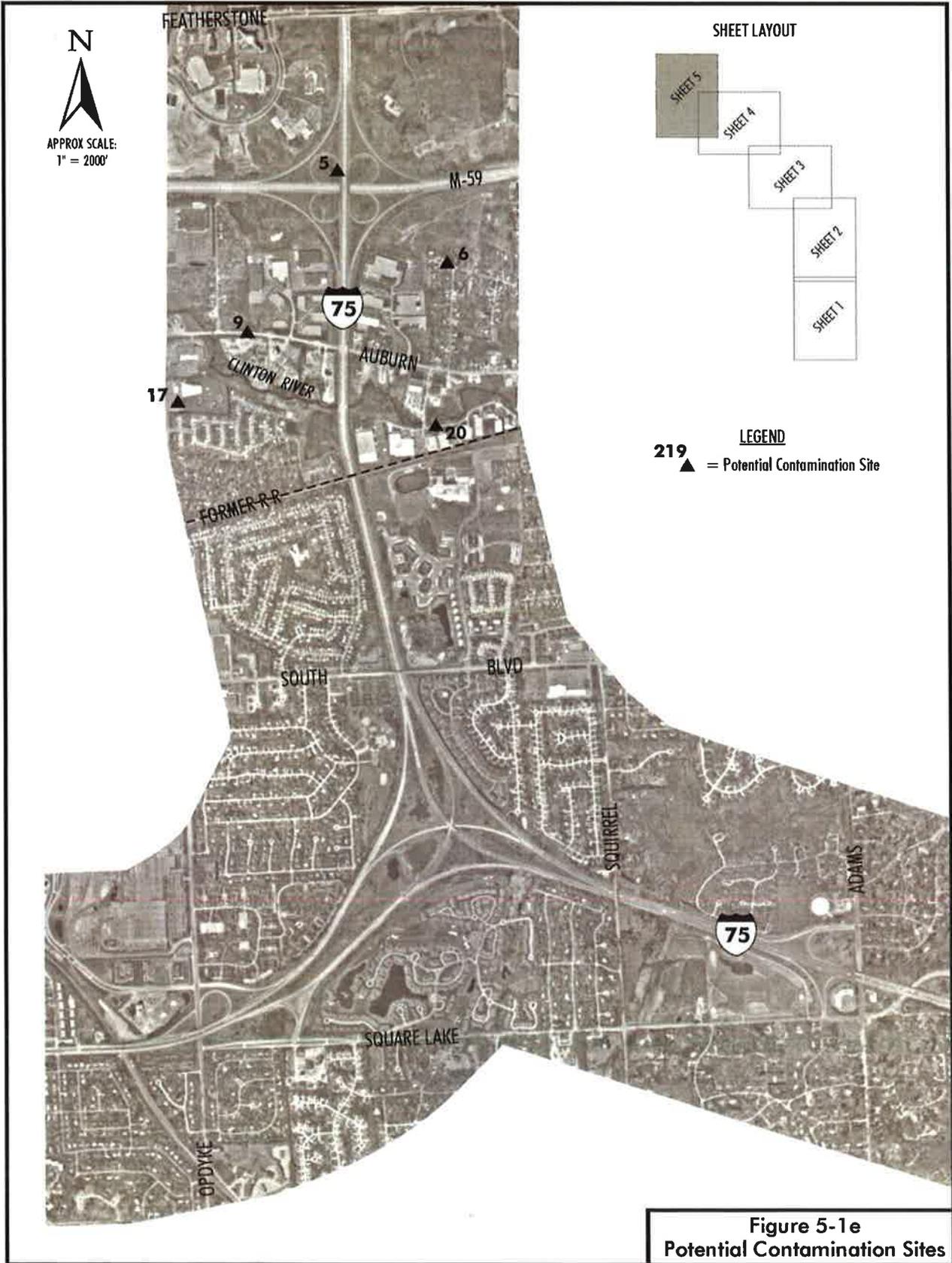


Figure 5-1e  
Potential Contamination Sites

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Commercial Site (C5) is a retail center and parking lot located just north of 9 Mile Road at John R Road. Businesses within the center include Farmer Jack's (23101 John R. Road), Standard Federal Bank, Arlins Auto Insurance and Fashion Bug. The proposed acquisition area consists of a strip of land approximately 10 feet wide and 720 feet long along the west edge of the site's parking lot. The 1980 and 1974 photographs show this site as it generally exists. The 1963 photograph shows several houses at this site.

Service Drive Auto (C6), 402 South Stephenson Highway, is located just south of East Fourth Boulevard and west of the I-75 service drive. The potential acquisition area consists of an 8-foot by 85-foot strip of land along the west side of the site, which is used for parking. This site appeared vacant in the 1980 photograph. A gas station appeared to be located at this site in 1974 and 1963. The 1963 photograph shows I-75 under construction. This site corresponds to Map ID No. 221 in the records, which are discussed in the next section.

Commercial Site (C7) is the Diamond Jim's (jewelry store) site located on the northeast corner of 11 Mile Road and the I-75 service drive. The address of this business is 946 West 11 Mile Road. The potential acquisition area consists of a 10-foot by 50-foot strip of land along the south edge of the lot. This site is shown as commercial in the photographs from 1980, 1974 and 1963.

Right-of-way from the following sites would be acquired for the SPUI and stormwater detention. These sites and their historical land use are described below.

Clark on the Go (C8) at 601 West 12 Mile Road is an operating gas station on the east side of I-75. An approximately 13-foot strip from the front of this site would be acquired for the SPUI. The historical aerial photographs from 1980 and 1974 show gas pumps and canopy. This site appears as a vacant grass-covered lot in the 1963 photograph. Records for this site address correspond to Map ID No. 204 in the Environmental Atlas. Additional information concerning this site is presented in the next section.

Marinellis (C9) is located on the south side of 12 Mile Road, east of I-75. The street address of this site is 611 West 12 Mile Road. The proposed take from this site is a 13-foot strip from the front along 12 Mile Road. This potential right-of-way is currently part of the site's parking lot. The historical aerial photographs from 1980 and 1974 show a building and parking lot similar to those that currently exist. This site appears to be a residential lot in the 1963 photograph.

Commercial site C10 is the parcel occupied by J&H Hydraulic Co. at 1031 West 12 Mile Road. This site is situated on the west side of the I-75 interchange. An approximate 10-foot-wide strip along the front entrance of this site would be acquired for the SPUI. The building at the site appears in the 1980, 1974 and 1963 photographs.

Commercial site C11 is occupied by U.S. Computer Exchange, DJ Service – Mike Staff Productions, and Mac's Party Shoppe at 1035, 1037 and 1039 West 12 Mile Road. A 10-foot-wide strip from the parking lot of this site would be acquired for the SPUI. The historic land use of this site in 1980, 1974 and 1963 was commercial. The building at this site was visible in photographs from 1980, 1974 and 1963.

C12 is occupied by the Stephenson Bingo Hall. Part of the building at the site is vacant. This parcel is west of site C11. The site address is 28720 Stephenson Highway. This site appears to have been in commercial usage in 1980, 1974 and 1963 based on aerial photographs from these years.

C13 is occupied by Sparky's Auto Center at 1716 North Stephenson Highway. This site is situated near the southeast corner of 12 Mile Road and Stephenson Highway. A 10-foot-wide strip from the front of this site along 12 Mile Road would be acquired for the SPUI. This site appears to have been in commercial use as evidenced by aerial photographs from 1980, 1974 and 1963. Records for this address were identified as Map ID 212 in the Environmental Atlas. Potential impacts for this site are discussed in the next section.

C14 is the Home Depot at 660 West 12 Mile Road. This site is on the northeast corner of I-75 and 12 Mile Road. A 20-foot strip of land from the front of this site would be acquired for the SPUI. This area is part of the parking lot and entrance to the site. The aerial photographs from 1980 and 1974 show two large commercial buildings at the present location of the Home Depot site. The 1963 photograph shows only the commercial building farthest west. The east part of the site appeared to be residential and/or farmland. Environmental records were found for two facilities with an address of 650 West 12 Mile Road, which appears to have been part of the Home Depot site. These sites were listed as Map ID 202 in the Environmental Atlas. The environmental records for this site are discussed in the next section.

C15 is a vacant lot that is adjacent to the Peerless Steel facility at 2450 Austin Road. This seven-acre site would be acquired to construct a detention pond for stormwater. The review of historical aerial photographs shows that this site was undeveloped in 1980, 1974 and 1963.

Table 5-1 is a list of federal or state-listed sites that could potentially affect the project. This list was compiled using the following criteria: 1) NPL, TSD, CORRACTs, landfills (active and inactive), and state hazardous waste sites within approximately one-half mile of the project; 2) Open LUST sites within approximately one-quarter of a mile from the project; and, 3) ERNS, UST, and RCRA hazardous waste generators within or adjacent to the project. Each site in Table 5-1 contains a unique Site Identification Number (SID No.) that corresponds to the ID used in the Environmental Atlas. The commercial sites that could be acquired for the project and which were identified in the environmental records are shown with a "C" prefix. A contamination potential rating of none, low or medium/high, was assigned to each site based on its proximity to the project and its reported environmental condition. These categories are defined as follows:

N – Based on a review of available information, there are no indications of environmental contamination within the proposed right-of-way of the Build Alternative. This category could include businesses that handle hazardous materials or petroleum outside of the proposed right-of-way and which have not or are not currently recognized as being in violation of a state or federal environmental rule. Examples of this risk category include banks, restaurants, offices, etc.

L – These sites represent a low potential for environmental contamination. These sites include known current or former hazardous or petroleum handlers that are not currently being investigated or remediating an environmental problem. Examples of this category are gas stations that have been designated "closed LUST" sites and businesses that handle hazardous materials or petroleum adjacent to or near the proposed right-of-way.

Table 5-1  
Potential Contamination Sites

SID No.	Site Name	Address or Location	City	Federal Records Databases				State Records Databases				Build Alternative			
				NPL	CERCLIS	RCRIS	ERNS	State Haz Waste	State Landfill	LUST	UST	Inactive Solid Waste Facilities	ROW <sup>1</sup> (W/A/N)	Contamination Potential Rating	
5	MDOT Bridge I-75 over M-59	NB and SB	Auburn Hills			X								W	L
6	Northeast LF & Sand Co	2715 Churchill N of Auburn	Pontiac										X	N	L
9	Goddard Coatings Co*	2280 Auburn Rd	Auburn Hills										X	N	L
17	Saltarelli Landfill	SE Corner Auburn/Opdyke Rd	Pontiac										X	N	L
20	Auburn Court Associates*	2740 Auburn Ct	Auburn Hills			X	X						X	N	L
30	Kamax-G B Dupont LP*	500 W Long Lake Rd	Troy			X							X-c	A	L
53	Sunoco Service Station	911 W Big Beaver-Suite 411	Troy			X								A	L
76	Humboldt Investment Co*	1864-80 Austin Road	Troy			X							X	N	L
96	Knight Construction Co*	1931 Austin Dr	Troy			X							X	N	L
108	Sunoco #0001-4738	1490 E Maple Rd	Troy			X							X	N	L
139	DDR Station*	510 W 14 Mile	Troy			X							X	N	L
141	JC Penney	700 W 14 Mile Rd	Troy										X-c	A	L
142	Baby World N Teens	512 W 14 Mile	Troy										X	A	L
152	Gould Inc Industrial Battery Div*	32305 Mally Rd	Madison Hts			X								A	L
155	Maschmeyer Concrete Co	32400 Mally Dr	Madison Hts										X-c	A	L
158	Henkel Surface Technologies	32100 Stephenson Hwy	Madison Hts			X							X	N	L
175	Valentia Div*	1100 W 13 Mile Rd	Madison Hts										X	N	L
176	Fuel Zone Inc	31015 Stephenson Hwy	Madison Hts										X	N	L
179	Biomagenic Resonance Inc*	30781 Stephenson Hwy	Madison Hts			X							X	N	L
181	Borden Dairy & Services*	30550 Stephenson Hwy	Madison Hts			X							X	N	L
188	Madison His Dept/Public Service	801 Ajax Dr	Detroit			X							X	N	L
193	S.E. Oakland Co RR Authority*	29470 John R Rd	Madison Hts			X							X	N	L
196	D-M-E Co*	29215 Stephenson Hwy	Madison Hts			X							X	N	L
201	Saturn Corp*	434 W 12 Mile Rd	Madison Hts			X							X	N	L
C14 (202)	Home Depot*	650 W 12 Mile Rd	Royal Oak			X							X	W	L
C8 (204)	Clark Store #2136*	601 W 12 Mile Rd	Madison Hts			X							X	W	L
C13 (212)	Sparks Tune-Up	1716 N Stephenson Hwy	Royal Oak										X	W	M/H
214	MDOT Bridge I-75 Under Gardenia	I-75 under Gardenia	Royal Oak			X								W	M/H
219	11 Mile & 75 Food Mart	2419 E 11 Mile Rd	Royal Oak										X-c	W	L
C6 (221)	Marathon Unit #1711 (Service Drive Auto)	402 S Stephenson Hwy	Royal Oak										X	A	L
230	KC Jones Plating Co	321 W 10 Mile Rd	Hazel Park			X	X							N	L
234	G and W Gas	24309 John R Rd	Hazel Park			X							X	N	L
235	United Unit #6199*	23990 John R Rd	Hazel Park			X							X	N	L
238	X Cel Industries*	505 W 9 Mile Rd	Hazel Park			X								N	L
240	Former John R Road Station 23201	23201 John R Rd	Hazel Park			X							X	A	L
250	City of Hazel Park	22600 N Chrysler Drive	Hazel Park			X							X	A	L
253	MDOT Bridge I-75 Under John R/Shell Service Station	I-75 under John R/22411 S Chry	Hazel Park			X							X-c	A	L
254	Advanced Friction Materials Co Pit 1	1435 Wanda	Ferdale			X								N	L
259	Color Coat Plating Co	21325 S Chrysler Dr	Hazel Park			X							X	A	L
262	Mr. Jones Backyard	118 West George	Hazel Park			X								N	L
263	Jefferson Screw Products	1201 E 8 Mile Rd	Hazel Park										X	N	L
265	MDOT Bridge I-75 Under M-102 EBD Svc Rd	I-75 under M-102	Detroit			X								W	L

\* - Indicates multiple site names and records are listed for this site.  
<sup>1</sup> Proximity to Right-of-Way: W - Within ROW; A - Adjacent to ROW; N - Near ROW.  
<sup>2</sup> Contamination Potential Rating: L - Low; M - Medium; H - High.  
 NPL - National Priority List (Superfund)  
 CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System; NFRAP-No further remedial action planned.  
 RCRIS - Resource Conservation and Recovery Information System; SOG-Small Quantity Generator; LQG-Large Quantity Generator; Contracts-Corrective Action Reports.  
 ERNS - Emergency Response Notification System  
 UST - Underground storage tank  
 LUST - Leaking underground storage tank; X-c - Closed case; X- Open case.

Table 5-1 (continued)  
Potential Contamination Sites

SID No.*	Site Name	Address or Location	City	Federal Records Databases				State Records Databases				Build Alternative			
				NPL	CERCLIS	RCRIS	ERNS	State Haz Waste	State Landfill	LUST	UST	Inactive Solid Waste Facilities	ROW <sup>1</sup> (W/A/N)	Contamination Potential Rating	
	<b>Unmapped Sites</b>														
O-1	MDOT Bridge I-75 over Square Lake Rd	I-75 over Square Lake Rd	Troy											W	L
O-2	MDOT Bridge I-75 over Adams Rd	I-75 over Adams Rd	Troy				X							W	L
O-3	MDOT Bridge I-75 under 14 Mile Rd	I-75 under 14 Mile Rd	Troy				X							W	L
O-4	MDOT Bridge I-75 over Red Run Drain	I-75 over Red Run Drain	Madison Hts				X							W	L
O-5	MDOT Bridge I-75 under 12 Mile Ped Walk	I-75 under 12 Mile Ped Walk	Madison Hts				X							W	L
O-6	MDOT Bridge I-75 under Shelvin U Turn	I-75 under Shelvin U Turn	Hazel Park				X							W	L
O-7	MDOT Bridge I-75 under Winchester	I-75 under Winchester	Detroit				X							W	L

\* - These sites were not given a unique SID No. in the Environmental Atlas; The designations in Table 1 were assigned for identification purposes in this report.

<sup>1</sup> Proximity to Right-of-Way, W - Within ROW; A - Adjacent to ROW; N - Near ROW.

<sup>2</sup> Contamination Potential Rating, L - Low; M - Medium; H - High.

NPL - National Priority List (Superfund)

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System; NFRAP - No further remedial action planned.

RCRIS - Resource Conservation and Recovery Information System; SQG - Small Quantity Generator; LQG - Large Quantity Generator; Corraic - Corrective Action Reports.

ERNS - Emergency Response Notification System

UST - Underground storage tank

LUST - Leaking underground storage tank; X-c - Closed case; X - Open case.

M/H – Information obtained during the PCS indicates that there is a reasonable chance of contamination on a given site. Examples of this category include gas stations that are identified by MDEQ as open LUST sites, former gas stations closed prior to December 1988 (the date of current federal and state UST regulations), sites on the Michigan Contaminated Sites List, and sites that exhibit indications of improper handling of materials, such as the presence of stained soils, improperly stored materials, etc., or other evidence of a recognized environmental condition. These sites are typically within or adjacent to the proposed right-of-way of the Build Alternative.

Forty-nine potential contaminated sites including seven orphan/unmappable sites were identified, reviewed and rated (Table 5-1). Figure 5-1 shows the locations of these sites. The following sites anticipated to be acquired for right-of-way were identified in the federal and state environmental databases: Service Drive Auto (C6); Clark on the Go (C8); Sparky's Auto Center (C13); and, Home Depot (C14). Additional information concerning these sites is presented in the next section.

Individual site descriptions are presented in the next section. MDOT appears as owner of four of the sites (SID Nos. 5, 214, 253 and 265). All four sites are in the RCRIS database as hazardous waste generators. Although no details were contained in the database records, state transportation departments are frequently included in RCRIS for cleanup of small spills or with generation of lead-based paint wastes from painting activities.

## Site Descriptions

### SID No. 5 MDOT Bridge

I-75 over M-59 NB and SB  
Auburn Hills, MI

This site is located at I-75 and at M-59. This site appeared in the RCRIS federal records database as a small quantity generator. No violations were reported. This site was assigned a low contamination potential rating.

### SID No. 6 Northeast LF & Sand Co.

2715 Churchill  
Auburn Hills, MI

This site is located approximately one-eighth mile southeast of the I-75/M-59 interchange. The records for this site indicate that it is an inactive solid waste landfill (Facility ID No. 63000036). No other information was provided. This site was assigned a low contamination potential rating.

**SID No. 9 Goddard Coatings Co.****2280 Auburn Road  
Auburn Hills, MI**

This site is located on Auburn Road approximately one-quarter of a mile west of I-75. This site appeared in the State Hazardous Waste database, the UST database, and the LUST database. The State Hazardous Waste database records for Goddard Coatings Co. (Facility ID No. 63000959) indicate that the site was evaluated in 1996 and the current case status is listed as no action taken. The UST records for this facility (ID No. 0006010) show that two 10,000-gallon gasoline USTs were removed from the site. No removal data are provided. The tanks were reportedly installed in 1972. The LUST records indicate that a release occurred in November 1990 and the LUST case status is listed as open or active. The EDR Report contains two other listings for this property. The site identified as 2280 Auburn Road appears in the ERNS database with no other information provided, and a site called Van Horn Brothers, Inc., 2294 Auburn Road, appears in the LUST and UST databases. The UST records for this facility (ID No. 00016170) indicate that one 8,000-gallon diesel tank and one 2,000-gallon kerosene tank were removed and one 10,000-gallon diesel UST is listed as currently in use. The LUST records for this facility show a release data of October 1994 and the case status is "closed." This site was assigned a low contamination potential rating.

**SID No. 17 Saltarelli Landfill****S.E. Corner, Auburn/Opdyke  
Pontiac, MI**

This site is located approximately one-half mile west of I-75 and south of Auburn Road. This site appears in the state's Inactive Solid Waste Landfill sites (Facility ID No. 63000016). No additional information was provided. This site was assigned a low contamination potential rating.

**SID No. 20 Auburn Court Associates****2740 Auburn Court  
Auburn Hills, MI**

This site is located approximately one-quarter mile east of I-75 and south of Auburn Road. Auburn Court Associates appears in the state Hazardous Waste Sites database as Facility ID No. 63000885. This site was evaluated in 1993 and the case is listed as "active." SID No. 20 also includes Michigan Plastics Machine Rebuilders at 2750 Auburn Court, Ralco Industries, Inc., 2720 Auburn Court, and VIS Automation Assembly at 2700 Auburn Court. Michigan Plastics Machine Rebuilders appears in the UST database, Facility ID No. 00014508. The records indicate that one 1,000-gallon gasoline tank and one 2,000-gallon gasoline tank were removed from this location. Ralco Industries is listed as a RCRIS small quantity generator. The records show a violation with the RCRIS general requirements in February 1998. Ralco Industries also appears in the LUST database as Facility ID No. 50000680. A release occurred in January 1991 and the LUST case is listed as "open." A second release at this location apparently occurred in August 1989 and the status of this LUST incident is listed as "closed." VIS Automation Assembly was listed as a RCRIS small-quantity generator with no violations found. This site was assigned a low contamination potential rating.

**SID No. 30 KAMAX-G.B DuPont**

**500 West Long Lake Road  
Troy, MI**

This site is located on Long Lake Road at I-75. This facility was listed as a LUST site (Facility ID No. 00007567). Petroleum releases were reported in April and July 1991 and both cases are listed as "closed." The UST records for this facility indicate that one 4,000-gallon gasoline UST, one 3,000-gallon used oil UST, one 2,000-gallon gasoline UST, one 1,000-gallon diesel UST, and one 2,000-gallon diesel UST have been removed from this location. The records also show a 4,000-gallon used oil UST and a 3,000-gallon diesel UST currently in use. This site was also identified as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 53 Sunoco Service Station**

**911 W. Big Beaver, Suite 411  
Troy, MI**

This site is located on the south side of Big Beaver Road at the I-75 interchange. This site is listed as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 76 Humboldt Investment Co.**

**1864-80 Austin Road  
Troy, MI**

This site is located approximately one-eighth mile east of I-75 and one-quarter mile north of Maple Road. It is listed as a LUST site (Facility ID No. 50001977). The records indicate that a release occurred in January 1997. The LUST case is listed as "open." This site also appeared in the BEA database as No. 246. This site was assigned a low contamination potential rating.

**SID No. 96 Knight Construction Co.**

**1931 Austin Drive  
Troy, MI**

This site appeared in the LUST and UST databases. The LUST records for Facility No. 00010730 show a release date of January 2000 and the LUST case is listed as "open." A second release occurred in January 2000 and was listed as "closed." The UST records indicate that one 6,000-gallon gasoline and one 1,000-gallon diesel tank have been removed from the site, and one 8,000-gallon diesel tank and one 8,000-gallon gasoline tank have been closed-in-place. This site is located approximately one-eighth of a mile west of I-75 and north of Maple Road. SID No. 96 also contains a site identified as Futuristic Artware at 1934 Austin. This site appeared as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 108 Sunoco #0001-4738****1490 East Maple Road  
Troy, MI**

This site is located less than a one-quarter mile west of I-75 on Maple Road. It was identified in the LUST and UST databases. The LUST records for this facility (Facility ID No. 00010037), show a release in January 1991 and the LUST case as "open." A second release occurred in September 1990 and its status was also listed as "open." The UST records for this facility indicate that two 6,000-gallon gasoline USTs and two 8,000-gallon gasoline USTs were installed in 1983 and are currently in use. The records show that a 550-gallon used oil tank has been removed from the site. The facility operates a 10,000-gallon diesel UST which was installed in 1991. This site was assigned a low contamination potential rating.

**SID No. 139 DDR Station****510 West 14 Mile Road  
Troy, MI**

This site is located within one-quarter mile east of I-75 on 14 Mile Road. It is listed as an open LUST site (Facility ID No. 50001133). A petroleum release occurred in October 1993. This site is also listed as a RCRIS small quantity generator with no violations reported. SID No. 139 also includes another listing identified as Hudson's JL Company, 500 West 14 Mile, Troy, Michigan. This facility is listed as a RCRIS small quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 141 J.C. Penney****700 West 14 Mile Road  
Troy, MI**

This site is located on 14 Mile Road just east of I-75. The LUST records for this site, Facility ID No. 00005330, indicate that a release occurred in December 1992 and the LUST case is listed as "closed." UST records for this site indicate that a 280-gallon diesel tank and a 550-gallon used oil tank were removed from the site. The tanks were reportedly installed in 1980. This site was assigned a low contamination potential rating.

**SID No. 142 Baby World-N-Teens****512 West 14 Mile Road  
Troy, MI**

This site is located at the I-75/14 Mile Road interchange. The UST records for this site, Facility ID No. 00003111, indicate that one 12,000-gallon gasoline UST is currently in use. Two other USTs with unknown status were also included in the records. This site was assigned a low contamination potential rating.

**SID No. 152 Gould, Inc. Industrial Battery Div.****32305 Malley Road  
Madison Heights, MI**

This site is located near the west side of I-75 south of 14 Mile Road. Records for this site indicate that it is a RCRIS small-quantity generator with no violations reported. A separate listing for SID No. 152 was listed as BESCO Graphic Systems Corp., 32275 Malley Drive. This facility was also listed as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 155 Maschmeyer Concrete Company****32400 Malley Drive  
Madison Heights, MI**

This site is located on the west side of I-75, approximately midway between 13 and 14 Mile Roads. This site occurs in the LUST database, Facility ID No. 00016938. The records indicate that a release occurred in May 2000 and the status of the LUST case was listed as closed. UST records for this facility indicate that there is one 6,000-gallon diesel UST currently in use and one 10,000-gallon diesel UST that has been removed. The tanks were reportedly installed in 1966. This site was assigned a low contamination potential rating.

**SID No. 158 Henkel Surface Technologies****32100 Stephenson Highway  
Madison Heights, MI**

This site is located approximately one-quarter mile west of I-75, north of 13 Mile Road. It was identified as a RCRIS TSD facility and also as a small quantity generator and a CORRACTS facility. The EPA ID No. for this facility is MID057676124. The CORRACTS data indicate that the facility has been assigned a low corrective action priority. The RCRA TSD records show 15 violations with the RCRA permit. This facility was also listed in the UST database (Facility ID No. 00012756). The UST records indicate that one 12,000-gallon fuel oil UST was removed from the site. The EDR Report also contains records for non-ASTM federal and state databases for this facility. This site was assigned a low contamination potential rating.

**SID No. 175 Valenite Div.****1100 West 13 Mile Road  
Madison Heights, MI**

This site is located just west of I-75 on 13 Mile Road. This facility is identified as an open LUST site, Facility ID No. 00010256. The reported release date was August 1989. UST records for this facility indicate that two USTs, one of which was reported to be gasoline, were removed from the site. SID No. 175 also includes a listing for Meijer No. 222 gas station and store, 1101 West 13 Mile Road. This facility was identified as a UST site, ID No. 00040699. Records indicate the facility operates gasoline, diesel and kerosene USTs. This site was assigned a low contamination potential rating. The release at this site is not anticipated to affect the project because the lane addition will be in the existing median.

**SID No. 176 Fuel Zone, Inc.****31015 Stephenson Highway  
Madison Heights, MI**

This site is located approximately one-quarter mile west of I-75 at 13 Mile Road. It is listed as a LUST and UST site. The records show three separate releases, all with open case files. The reported release dates occurred between 1990 and 1999. The records for this facility indicate that three gasoline USTs and one used oil UST have been removed from the site. A 550-gallon used oil tank was closed-in-place and two USTs with unknown product were listed as currently in use. This site was assigned a low contamination potential rating.

**SID No. 179 Biomagenic Resonance, Inc.****30781 Stephenson Highway  
Madison Heights, MI**

This site is located approximately one-quarter mile west of I-75, south of 13 Mile Road. It appears as an open LUST site, Facility ID No. 00037827. The LUST records indicate that a release occurred in December 1993. SID No. 179 also includes other facility names, including SIKA Corp., Spect Imaging, Inc., and AeroDetroit, Inc. UST records for Biomagenic Resonance, Inc. show one 550-gallon UST with an unspecified hazardous substance closed-in-place. The records for SIKA Corp. indicate that it is a small quantity generator with no violations reported. AeroDetroit, Inc. was also listed as a RCRA small-quantity generator with no violations reported. Spect Imaging, Inc. is listed in a non-ASTM federal database. This site was assigned a low contamination potential rating.

**SID No. 181 Borden Dairy & Services****30550 Stephenson Highway  
Detroit, MI**

This site is located approximately one-quarter mile west of I-75 south of 13 Mile Road. It was listed as a RCRA small quantity generator, a LUST and a UST facility. The LUST records, Facility ID No. 00033170, show a release in November 1989 and the LUST case as "open." UST records indicate that four USTs containing gasoline, diesel, used oil, and fuel oil have been removed from this site. The RCRIS records show that the facility was classified as a small-quantity generator with no violations reported. SID No. 181 also includes another listing: Costco Wholesale Gasoline No. 393. This site appears in the UST database (Facility ID No. 00040108). The records indicate there are three gasoline USTs currently in use at this site. This facility is also listed as a RCRA small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 188 Madison Hts. Dept/Public Service****801 Ajax Drive  
Madison Heights, MI**

This facility is located approximately one-eighth of a mile east of I-75, south of 13 Mile Road. It appears in the LUST database as Facility ID No. 00014856. The records show a release date of March 1990 and a LUST case as "open," and a second release date of April 1998 with a LUST case listed as "open." UST records for this site show one 10,000-gallon diesel UST in use and one 12,000-gallon gasoline UST in use. A 10,000-gallon gasoline UST and a 550-gallon used oil tank have been removed from the site at this location. This site was assigned a low contamination potential rating.

**SID No. 193 SE Oakland County RR Authority****29470 John R. Road  
Madison Heights, MI**

This site is located approximately one-half mile east of I-75 between 12 and 13 Mile Roads. It appears as a state inactive landfill facility. The facility type was listed as an incinerator. No other information regarding the landfill was reported. This SID also includes Master Car Wash, 29501 John R. Road, as a LUST facility (Facility ID No. 50000700). The LUST records indicate that a release occurred in 1989 and the LUST case is currently closed. Two other facilities were also listed as SID No. 193: the SOCRRA Madison Heights Transfer Station, 29470 John R. Road, appeared in the state landfill database (ID No. 470503). This facility was listed as a solid waste transfer station and the status was listed as "active." One-hour Martinizing at 29441 John R. Road appeared in the RCRIS small-quantity generator database with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 196 D-M-E Company****29215 Stephenson Highway  
Madison Heights, MI**

This site is located on Stephenson Highway approximately one-quarter mile west of I-75 and north of 12 Mile Road. It appeared in the LUST and UST databases. The LUST records for this facility (Facility ID No. 00003448), indicate that a release occurred in August 1990 and the LUST is active. The UST records indicate that one 2,000-gallon gasoline tank has been removed from the site at this location. Damon Hardware at 29235 Stephenson Highway was listed as a UST facility at SID No. 196. The UST records for this site (ID No. 00016054) show one 10,000-gallon gasoline UST temporary out-of-use. SID No. 196 also included the following other companies: Auto Dynamics Corporation of America; Ultimate Precision, Inc.; Photomat Reprographics, Inc.; Meridian Automotive Systems; AACTRON, Inc.; and, Kasper Machine Company. Auto Dynamics Corporation of America was listed as a RCRA small-quantity generator with no violations reported. Ultimate Precision, Inc. was also listed as a RCRA small-quantity generator with one violation of general requirements in November 2001. Photomat Reprographics, Inc. was listed as a RCRA small-quantity generator with two generator violations reported. Meridian Automotive Systems was listed as a RCRIS large-quantity generator with 11 violations reported between 1994 and 2001. AACTRON, Inc. was listed as a RCRIS small-quantity generator with five violations reported in 2001. Kasper Machine Company was listed as a RCRIS small-quantity generator with one violation reported in 1995. Kasper Machine Company also appeared in the UST database (Facility ID No.

00035371). The UST records indicate that one 1,500-gallon used oil UST was removed from this site. This site was assigned a low contamination potential rating.

**SID No. 201 Saturn Corporation****434 West 12 Mile Road  
Madison Heights, MI**

This site is located approximately one-quarter mile east of I-75 on 12 Mile Road. The facility appears as an open LUST site (Facility ID No. 00001846), with a release date of June 1991. UST records for this facility indicate that five gasoline USTs are currently in use at this location. Saturn Corporation is listed as a RCRA small-quantity generator. The records show six violations for this facility in 1996. SID No. 201 also includes Marathon Unit No. 2012, 493 West 12 Mile Road. This facility is a closed LUST (Facility ID No. 00018144), and a UST site. The UST records indicate three gasoline USTs were removed from this site. This site was assigned a low contamination potential rating.

**SID No. C14 (202) Home Depot****650 West 12 Mile Road  
Madison Heights, MI**

The Home Depot site occupies approximately five acres in the northeast quadrant of I-75 and West 12 Mile Road. This property apparently contained two separate industries before Home Depot was built. Acme Mfg. Co. at 650 West 12 Mile Road and Square D Co. at the same address appeared in the environmental records as RCRA-waste generators. Acme Mfg. Co. (ID No. MID005356431) was listed as a small quantity generator with violations. The facility was apparently cited for non-compliance with "generator-other requirements" in August 1992. Compliance with the violations was achieved in November 1992. No other records for Acme Mfg. Co. were included in the Environmental Atlas.

Square D Co. (MID005515580) was also listed as a small quantity generator. No violations were reported for this facility. This site was assigned a low contamination potential because the potential take area is limited to frontage, which appears to have been used as a parking lot, entrance and farmland and because the review of environmental records did not reveal any current environmental concerns.

**SID No. C8 (204) Clark Store # 2136****601 West 12 Mile Road  
Madison Heights, MI**

This site is located just east of I-75 on 12 Mile Road. It appears in the LUST database (Facility ID No. 00010215). The records show two releases in 1992 and both cases are listed as "open or active." UST records for this facility indicate that three gasoline USTs have been removed from the site and two other gasoline USTs and one diesel UST are currently in use. SID No. 204 also includes Hop-In Food Stores, which is listed as a RCRIS small-quantity generator with no violations reported. This site was assigned a medium/high contamination potential rating because of its ongoing LUST case and its proximity to the project. Sampling and testing for petroleum

hydrocarbons within the right-of-way should be conducted during the Preliminary Site Investigation for this project.

**SID No. C13 (212) Sparks Tuneup**

**1716 North Stephenson Highway  
Royal Oak, MI**

This site is located approximately one-eighth of a mile west of I-75, south of 12 Mile Road (Facility ID No. is 50001773). It appears in the LUST database with two releases. The releases occurred in 2000 and both cases are listed as "active." This site was assigned a medium/high contamination potential rating. Sampling and testing for petroleum in the right-of-way to be acquired should be conducted during the Preliminary Site Investigation phase for this project.

**SID No. 214 MDOT Bridge, I-75 under Gardenia**

**I-75 under Gardenia  
Royal Oak, MI**

This site appears in the RCRIS database as a small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 219 11 Mile & 75 Food Mart**

**2419 East 11 Mile Road  
Royal Oak, MI**

This site is located just west of I-75 on 11 Mile Road. It is listed as a closed LUST site (Facility ID No. 00015813), and a UST site. The records show three gasoline USTs currently in use and one used oil UST that was removed from the site. This site was assigned a low contamination potential rating.

**SID No. C6 (221) Marathon Unit # 1711**

**402 South Stephenson Highway  
Royal Oak, MI**

This site is located immediately west of I-75 south of 11 Mile Road. It appears in the UST database (Facility ID No. 00013608). The UST records indicate there are five USTs of unknown substance temporarily out-of-use. No other records were reported except that the tanks were installed in 1964. This site is currently occupied by Service Drive Auto. This site was assigned a medium/high contamination potential rating because part of this site may be acquired for right-of-way. Sampling and testing for petroleum within the proposed right-of-way should be conducted during the Preliminary Site Investigation.

**SID No. 230 K.C. Jones Plating Co.****321 West 10 Mile Road  
Hazel Park, MI**

This facility is located just southeast of the I-75/I-696 interchange. It appears in the RCRIS database as a small-quantity generator with 14 violations reported between 1987 and 2002. The site also appears in the ERNS database. No other information is provided. This site was assigned a low contamination potential rating.

**SID No. 234 G and W Gas****24309 John R. Road  
Hazel Park, MI**

This site is located approximately one-quarter mile east of I-75 and south of 10 Mile Road. It appears as an upon LUST site (Facility ID No. 00008728). The records indicate a release in each of 1989 and 1990 with both cases being listed as "active." UST records for this site show three gasoline USTs currently in use and one petroleum UST that was removed from the site. G and W Gas also appeared as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 235 United Unit # 6199****23990 John R. Road  
Hazel Park, MI**

This site is located approximately one-quarter of a mile east of I-75, north of 9 Mile Road. It is listed as an active LUST site (Facility ID No. 00011835). The records show a release date of March 1992. UST records indicate that five gasoline USTs, one kerosene UST, and one used oil UST have been removed from the site. SID No. 235 also includes Heavenly Cleaners, 24041 John R. Road. This facility is listed as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 238 X-Cel Industries****505 West 9 Mile Road  
Hazel Park, MI**

This site is located adjacent to I-75, north of 9 Mile Road. X-Cel Industries is listed as a RCRIS small-quantity generator with seven violations reported between 1990 and 1994. SID No. 238 also includes Axle Engineering, Ltd., 563 West 9 Mile Road. This facility also is listed as a RCRIS small-quantity generator with one violation reported in 1994. This site was assigned a low contamination potential rating.

**SID No. 240 Former John R. Road Station 23201****23201 John R. Road  
Hazel Park, MI**

This site is located within approximately one-eighth of a mile east of I-75, north of 8 Mile Road. It appears in the LUST database (Facility ID No. 50001918). The records indicate that a release occurred in September 1996 and the LUST case is listed as "open." This site was assigned a low contamination potential rating.

**SID No. 250 City of Hazel Park****22600 North Chrysler Drive  
Hazel Park, MI**

This is located immediately east of I-75 and south of 8 Mile Road. The site appears in the UST database (Facility ID No. 00019703). The records show three gasoline USTs, one used oil UST, and one kerosene UST removed from the site. The tanks were installed in 1973. The site also appears in the RCRIS database as a small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 253 MDOT Bridge, I-75 under John R. Road/Shell Service Station****I-75 under John R. Road  
Hazel Park, MI**

This site is listed as a RCRIS small quantity generator with no violations reported. It was also listed as Shell Service Station at 2241 S. Chrysler/John R Road. The site is a UST and LUST site (Facility ID No. 00010443). The UST records show that three 10,000-gallon gasoline USTs and one 850-gallon used oil UST have been removed from the site. According to the LUST records, releases occurred in 1997 and 1998. The case status for both releases is listed as "closed." This site was rated low for contamination potential because the LUST cases have been closed and because no right-of-way acquisition or construction is anticipated on this site or its borders.

**SID No. 254 Advanced Friction Materials Company, PLT 1****1435 Wanda  
Ferndale, MI**

This site is located approximately one-quarter mile west of I-75, north of 8 Mile Road. It appears in the State Hazardous Waste database (Facility ID No. 63001145). The records indicate that the site was evaluated in 1999 and the case is listed as "active." Pollutants included TCE. The site was listed in RCRIS as a small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 259 Color Coat Plating Company****21325 South Chrysler Drive  
Hazel Park, MI**

This site is located immediately adjacent to I-75 near Eliza Avenue and north of 8 Mile Road. It was identified as a RCRIS small-quantity generator with no violations reported. This site was assigned a low contamination potential rating.

**SID No. 262 Mr. Jones' Backyard****118 West George  
Hazel Park, MI**

This site is located approximately one-half mile west of I-75, north of 8 Mile Road. It appeared in the CERCLIS database as a NFRAP site. The NFRAP assessment history included discovery in 1980 and preliminary assessment and archive in 1987. This site was assigned a low contamination potential rating.

**SID No. 263 Jefferson Screw Products****1201 East 8 Mile Road  
Hazel Park, MI**

This site is an active LUST site (Facility ID No. 50002219) that is located within one-eighth of a mile east of I-75 at 8 Mile Road. The LUST records show a release date of May 1998. This site also appeared in the state BEA database records, No. 591. The records indicate the BEA was assigned in 1998. This site was assigned a low contamination potential rating.

**SID No. 265 MDOT Bridge, I-75 under M-102 EBD Service Road****I-75 under M-102  
Detroit, MI**

This site appeared in the RCRIS database as a large quantity generator with no violations reported. The EPA ID No. was MIR000024299. This site was assigned a low contamination potential rating.

## Orphan Sites

The list of orphan or unmappable sites in the Environmental Atlas contained seven sites that lists MDOT as the owner within the general vicinity of the project. These sites are shown in Table 5-1 as SID Nos. O-1 through O-7 (Figure 5-1). All of these sites were contained in the RCRIS database either as small- or large-quantity generators. No other information was provided. These sites were assigned a low contamination potential rating, based on the available information.

## 6. Conclusions

This Project Area Contamination Survey (PACS) was conducted for the proposed reconstruction of I-75 EIS between M-102 and M-59 in Oakland County, Michigan. The PACS included a review of federal and state environmental records for sites along the corridor. Each site was assigned a "contamination potential" rating based on its proximity to the project and on its reported environmental condition.

The "Build Alternative" is anticipated to require only approximately 4.0 acres of new right-of-way for reconstruction. Most of the new right-of-way to be acquired is from vacant residential lots and residential properties and as such represent a relatively low risk for contamination. Right-of-way from seven commercial properties along I-75 are also anticipated to be acquired for the project. Right-of-way from another eight commercial lots along 12 Mile Road would be needed if the single-point urban interchange is built there. A seven-acre vacant lot on Austin Road could be acquired for construction of a stormwater detention basin. Four sites identified in the records search are properties that could be acquired for the Build Alternative. Three of these sites are current or former underground storage tank sites and were ranked medium/high for contamination potential. These three sites are the Clark Store #2136 at 601 West 12 Mile Road; Sparky's Tune-up at 1716 North Stephenson Highway; and, Service Drive Auto at 402 South Stephenson Highway. The latter two sites would be acquired if the SPUI is built at the 12 Mile interchange. Sampling and testing within the proposed right-of-way at these three sites should be conducted during the Preliminary Site Investigation.

The other sites within the corridor were ranked low for contamination potential and do not warrant further investigation.

Because deep excavation is to occur during project construction (i.e., storm sewers, sanitary sewers, or water mains), if it is approved, there is the potential that contaminated soil or groundwater from adjacent or nearby contaminated sites may be encountered within the right-of-way. Therefore, the construction contract should include provisions to address these potential impacts.



# Appendix

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## Environmental Atlas



This voluminous appendix may be reviewed at:

- MDOT's Lansing office, 425 West Ottawa Street (third floor), Lansing, MI 48909
- MDOT's Metro Region office, 18101 W. Nine Mile Road, Southfield, MI 48075
- MDOT's Transportation Service Center, 2300 Dixie Highway, Waterford, MI 48238

