

# **Task A5b16 Contamination Screening Evaluation Report**

## **TAMPA INTERSTATE STUDY**

**WPI No. 7140004, State Project No. 99007-1402, FAP No. IR-9999(43)**

**The project consists of approximately 12 miles (19.31km) of multi-lane improvements to I-275 from Dale Mabry Highway Interchange north to Dr. Martin Luther King Jr. Boulevard and I-4 from I-275 (including interchange) to east of 50th Street (U.S. 41); a multi-lane controlled access facility (Crosstown Connector) on new alignment from I-4 south to the existing Tampa South Crosstown Expressway; and improvements to approximately 4.4 miles (7.08km) of the Tampa South Crosstown Expressway from the Kennedy Boulevard overpass east to Maydell Drive, Hillsborough County.**

### **Prepared For FLORIDA DEPARTMENT OF TRANSPORTATION**

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Tampa, Florida

**Prepared By  
GREINER, INC.**

**In Association With  
KNIGHT APPRAISAL SERVICES, INC.  
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**DECEMBER 1993 (REVISED)**



## SUMMARY

This report presents the results of a Level I contamination screening evaluation conducted for Phase II of the Tampa Interstate Study (TIS) in Tampa, Florida. This report updates Greiner's 1991 Hazardous Material Report. The project area includes Interstate 275 (I-275) from the Dale Mabry Highway interchange north to Dr. Martin Luther King, Jr. Boulevard, I-4 from I-275 (including interchange) to east of 50th Street (U.S. 41), the proposed Crosstown Connector on new alignment from I-4 southward to the existing Tampa South Crosstown Expressway (Crosstown Expressway), and the Crosstown Expressway from the Kennedy Boulevard overpass east to Maydell Drive. Essentially, this report identifies known, and potential, hazardous material sites along the project corridor; evaluates their risk to impact the project; and provides recommendations for additional investigations, where required. The survey was conducted according to guidelines established by the Florida Department of Transportation (FDOT), District 7.

In summary, this survey identified 51 sites along this TIS project corridor that have hazardous materials, hazardous waste, other regulated substances and/or environmental contamination or have the potential to contain these materials. Businesses which currently maintain underground storage tanks for petroleum products or sites that previously contained underground storage tanks constitute the majority of these sites. Other sites include automotive service facilities, electric substations, various manufacturers, and waste disposal and recycling facilities.

Based on these findings, Level II investigations are recommended at 39 of the 51 sites where soil/groundwater contamination, should it exist, could impact the TIS roadway improvement project. Level II investigations should, at a minimum, include (1) an

updated review of Florida Department of Environmental Protection (FDEP) and Hillsborough County Environmental Protection Commission (EPC) files and (2) the select sampling and analysis of each site's soil and groundwater to help determine the absence or presence of environmental contamination. The sites recommended for Level II investigations are as follows:

Site No. 1	(Salemi's Body Shop)	Site No. 27	(Fina)
Site No. 2	(Money Land Pawn)	Site No. 28	(Amoco)
Site No. 3	(Citgo)	Site No. 29	(Massey Metals)
Site No. 5	(Texaco)	Site No. 30	(Warehouse)
Site No. 8	(Vacant Lot)	Site No. 31	(Tampa Electric Co.)
Site No. 9	(Tampa Electric Co.)	Site No. 32	(Masonry Movers)
Site No. 10	(T & M Automotive Paint and Body Shop)	Site No. 33	(Tampa Electro Plating Co.)
Site No. 11	(Pioneer Tire Company)	Site No. 34	(Peoples Oil Company)
Site No. 12	(Tampa Electric Co.)	Site No. 35	(Florida Auto Parts)
Site No. 13	(Ray's Bail Bonds)	Site No. 37	(Air Brake Specialist)
Site No. 14	(Vacant Building)	Site No. 38	(Former Disposall Facility)
Site No. 15	(Thornton Laboratories)	Site No. 40	(Sol Walker and Co.)
Site No. 16	(City of Tampa, DPW Fleet Maintenance)	Site No. 42	(Spartan Oil Co.)
Site No. 19	(Eastside Funeral Home)	Site No. 43	(CSVs, Inc.)
Site No. 20	(Tampa Fire Department Alarm Signal Building)	Site No. 44	(Interstate Warehouse Ltd.)
Site No. 21	(Spring Property)	Site No. 48	(Parts and Equipment Distributors)
Site No. 22	(Answerite)	Site No. 49	(Starvin Marvin #90)
Site No. 24	(Chevron)	Site No. 50	(Texaco)
Site No. 25	(BP)	Site No. 51	(Exxon)
Site No. 26	(Hardee's)		

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## LIST OF EXHIBITS

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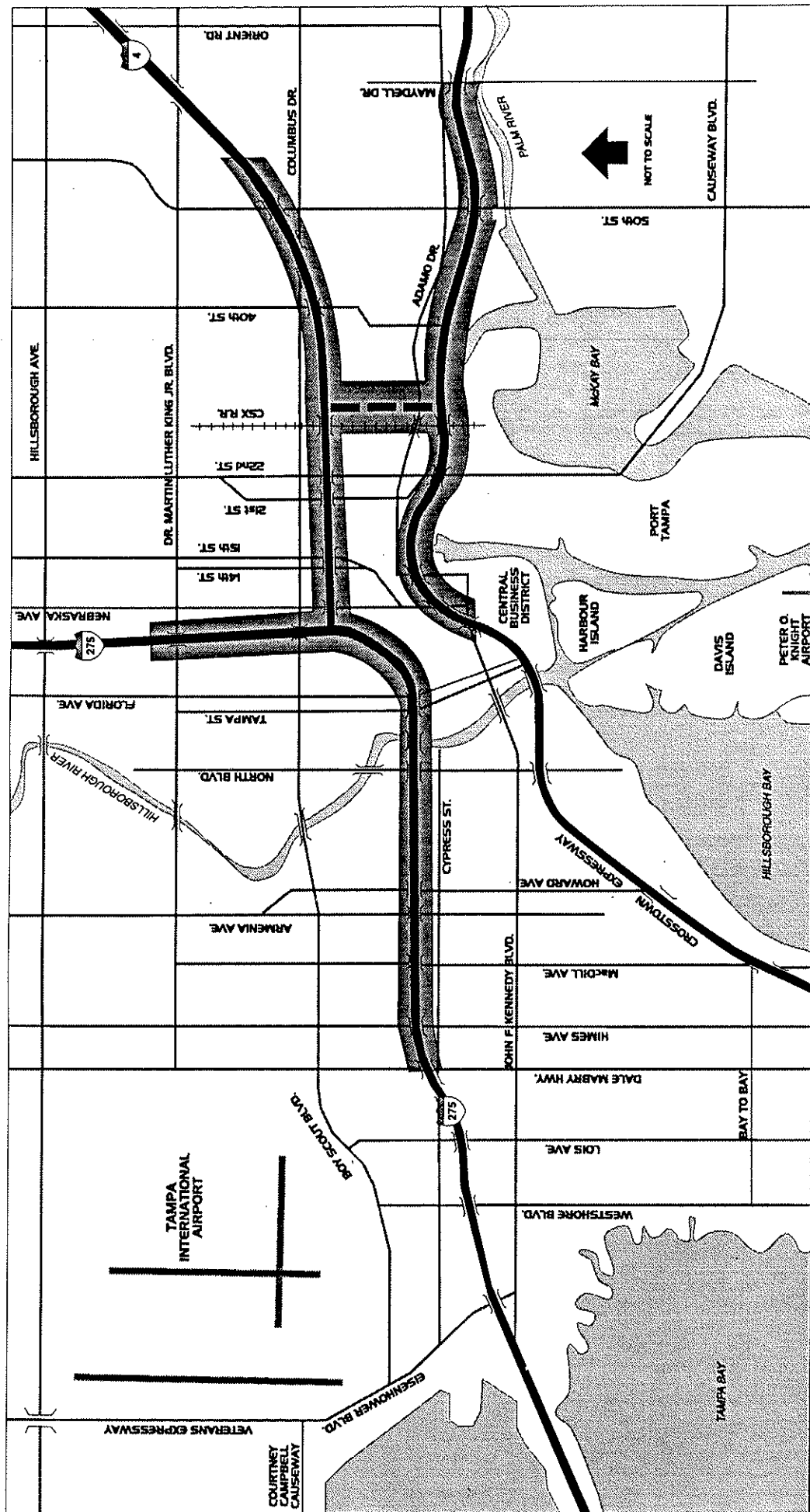
## 1.0 PROJECT DESCRIPTION

The Florida Department of Transportation (FDOT) is conducting environmental studies for Phase II of the Tampa Interstate Study (TIS). This Contamination Screening Evaluation Report has been prepared as part of the Phase II services for an Environmental Impact Statement (EIS) for the TIS study area and updates Greiner's 1991 Hazardous Material Report. The EIS study area includes Interstate 275 (I-275) from the Dale Mabry Highway interchange north to Dr. Martin Luther King, Jr. Boulevard; I-4 from I-275 to east of 50th Street (U.S. 41); the proposed Crosstown Connector on new alignment from I-4 southward to the existing Tampa South Crosstown Expressway (Crosstown Expressway); and the Crosstown Expressway from the Kennedy Boulevard overpass east to Maydell Drive. The study area is shown on Exhibit 1.

Currently, I-275 consists of a six-lane facility from east of Dale Mabry Highway to Howard Avenue and an eight-lane facility from Howard Avenue to the Ashley Street ramps. From Ashley Street eastward through the Tampa Central Business District (CBD), six mainline lanes are provided to the I-275/I-4 interchange, with other various auxiliary lane segments. I-275 has eight lanes between the I-4 junction and Dr. Martin Luther King, Jr. Boulevard and six lanes north of Dr. Martin Luther King, Jr. Boulevard.

On I-4, six lanes are provided from the I-4/I-275 junction to 21st Street. From 21st Street eastward beyond 50th Street, I-4 is a four-lane facility. The existing Crosstown Expressway is a four-lane facility.

Year 2010 traffic projections indicate I-275 is anticipated to carry 243,000 to 252,000 vehicles per day (vpd) between MacDill Avenue and Ashley Street and approximately



# LEGEND

Project Study Limits



Proposed Crosstown Connector

EXHIBIT 1

FLORIDA DEPARTMENT OF TRANSPORTATION  
CONTAMINATION SCREENING EVALUATION  
TAMPA INTERSTATE STUDY  
PHASE II

Hillsborough County, Florida

## PROJECT STUDY LIMITS

197,000 vpd between I-4 and Dr. Martin Luther King, Jr. Boulevard. The I-4 study area segment is expected to accommodate in the range of 199,000 to 231,000 vpd by 2010. Using 2010 forecast traffic volumes, along with other roadway design and safety factors, a "tier analysis" was conducted to develop and evaluate various roadway design concepts for the TIS area. As a result of the tier analysis a TIS Master Plan concept was recommended.

The Master Plan concept for I-275 consists of a four-roadway system from east of Dale Mabry Highway to north of Dr. Martin Luther King, Jr. Boulevard. High Occupancy Vehicle (HOV)/Transitway lanes will be included within the interstate alignment. Interchange improvements include the recently constructed ramps at Himes Avenue to and from the east on I-275; split interchange ramps remaining at Howard and Armenia Avenues; modification of ramps at Ashley, Scott and Kay Streets to and from the west on I-275 to provide a west side CBD distributor interchange at Ashley/Tampa Streets serving all movements; a new west bank CBD interchange with ramps at Ashley/Tampa Streets; and a new west bank CBD interchange with ramps to and from the west on I-275 at North Boulevard.

I-4 improvements include a four-roadway system throughout the study area transitioning to a two-roadway system at 50th Street. HOV lanes will be included within the interstate alignment. A new Ybor City/east side CBD split interchange will be included on I-4 at 14th and 15th Streets (with extension of the ramps at 14th and 15th Streets as parallel frontage roads to 21st and 22nd Streets to replace the existing access from I-4 to these streets). The concept includes the removal of the 19th Street overpass and the maintenance of the 26th Street overpass. Other interchange improvements include the reconfiguration of the split interchange at Columbus Drive and 50th Street, the removal of the interchange ramp at 40th Street and a new



directional freeway-to-freeway interchange with the proposed Crosstown Connector on I-4 in the vicinity of 30th Street.

## **2.0 LAND USE**

Within the study area, a variety of land uses border the I-275 and I-4 corridors. At the western end of the study area along I-275, land uses are predominantly single-family residences and small-scale retail commercial businesses. At the eastern end of the study area, I-275 intersects the northern portion of the Tampa CBD. Continuing north along I-275 are predominantly single-family residences with commercial land uses surrounding the interstate interchanges.

As I-4 proceeds easterly from the I-4/I-275 interchange, the land use is mainly single-family residential. Continuing east along I-4, land uses include residential, commercial and large industrial complexes. Predominant land uses along the Crosstown Expressway are office complexes and light to heavy industrial.

## **3.0 HYDROLOGIC FEATURES**

The TIS study area is located within Federal Emergency Management Agency (FEMA) flood zones A, B and C. Depth to the groundwater table varies with location and time of year but typically ranges from approximately 2 to 10 feet below ground surface.

Surface water features in the study area include the Hillsborough River and McKay Bay. There is a bridge at the I-275 crossing of the Hillsborough River. The Hillsborough River serves as a floodway in Tampa and the lower Hillsborough River is regulated by the Tampa Bypass Canal flood-control project. McKay Bay is a tidally

influenced waterway and is located at the southern end of the proposed Crosstown Connector.

#### 4.0 SCREENING METHODOLOGY

This contamination screening evaluation was conducted in order to help identify any known, or potential, hazardous material sites along the TIS project corridor. Because there is no single comprehensive source of information currently available which identifies all known and potential hazardous material contamination sites along the TIS project, this survey consisted of the following tasks:

- \* Contacting representatives of the following two agencies responsible for pollution control and hazardous material regulations in the study area:
  - Florida Department of Environmental Protection (FDEP), and
  - Hillsborough County Environmental Protection Commission (EPC).
- \* Consulting the following publications by the FDEP and Tampa Bay Regional Planning Council (TBRPC) for locations of potential environmental contamination:
  - Stationary Tank Inventory System (FDEP),
  - Groundwater Management System Hazardous Waste Quick Look (FDEP),
  - The Sites List, Summary Status Report (FDEP), and
  - County Government Hazardous Waste Management Assessment for Hillsborough County (TBRPC);
- \* Reviewing R.L. Polk Co. City Directories for Tampa dated 1903 to 1988 to identify past land uses potentially involving hazardous material along the project corridor;
- \* Evaluating historical aerial photography of the TIS corridor taken in 1960, 1966, 1972 and 1987;
- \* Reviewing previous hazardous material surveys conducted along the TIS project corridor by Greiner in 1988 and 1991;
- \* Conducting in-the-field visual surveys within the study area in order to help verify known hazardous material sites and to identify and investigate any previously unrecorded sites focusing on underground storage tanks and hazardous material use; and
- \* Documenting with photographs the current condition of each investigated site.

The information obtained from these tasks was evaluated according to the Project Development and Environment (PD&E) Contamination Risk Evaluation Guideline, Revision 2, developed by the FDOT District 7. A copy of the guideline is contained in Appendix A. Utilizing the FDOT risk evaluation rating system, each investigated site was assigned a rating of "No," "Low," "Medium," or "High" based upon the information collected during this contamination screening. The risk rating assigned to each site indicates the potential for hazardous material involvement which could impact the proposed TIS Master Plan improvements.

## **5.0 SCREENING RESULTS**

Based on the results of this contamination screening, 51 sites were identified along the TIS project corridor that have hazardous materials, hazardous waste, other regulated substances and/or environmental contamination or have the potential to contain these materials. Exhibit 2, presented at the end of this section, illustrates the approximate location of each identified site. The Site Location Map provided in Appendix C provides a more precise location of each identified site. Additional information including the name, address, other site characteristics, and the site's risk rating is provided on Table 1 which follows Exhibit 2. Photographs of each site have been retained by Greiner, Inc. and are contained in the project files.

Most of the 51 identified sites are (1) businesses which maintain underground storage tanks containing petroleum products or (2) sites that previously maintained underground storage tanks. Other sites include automotive and truck service facilities, a funeral home, electric substations, an analytical laboratory, metal works facilities, metal plating and stripping facilities, waste disposal companies, metal recycling facilities, and a chemical supply company.

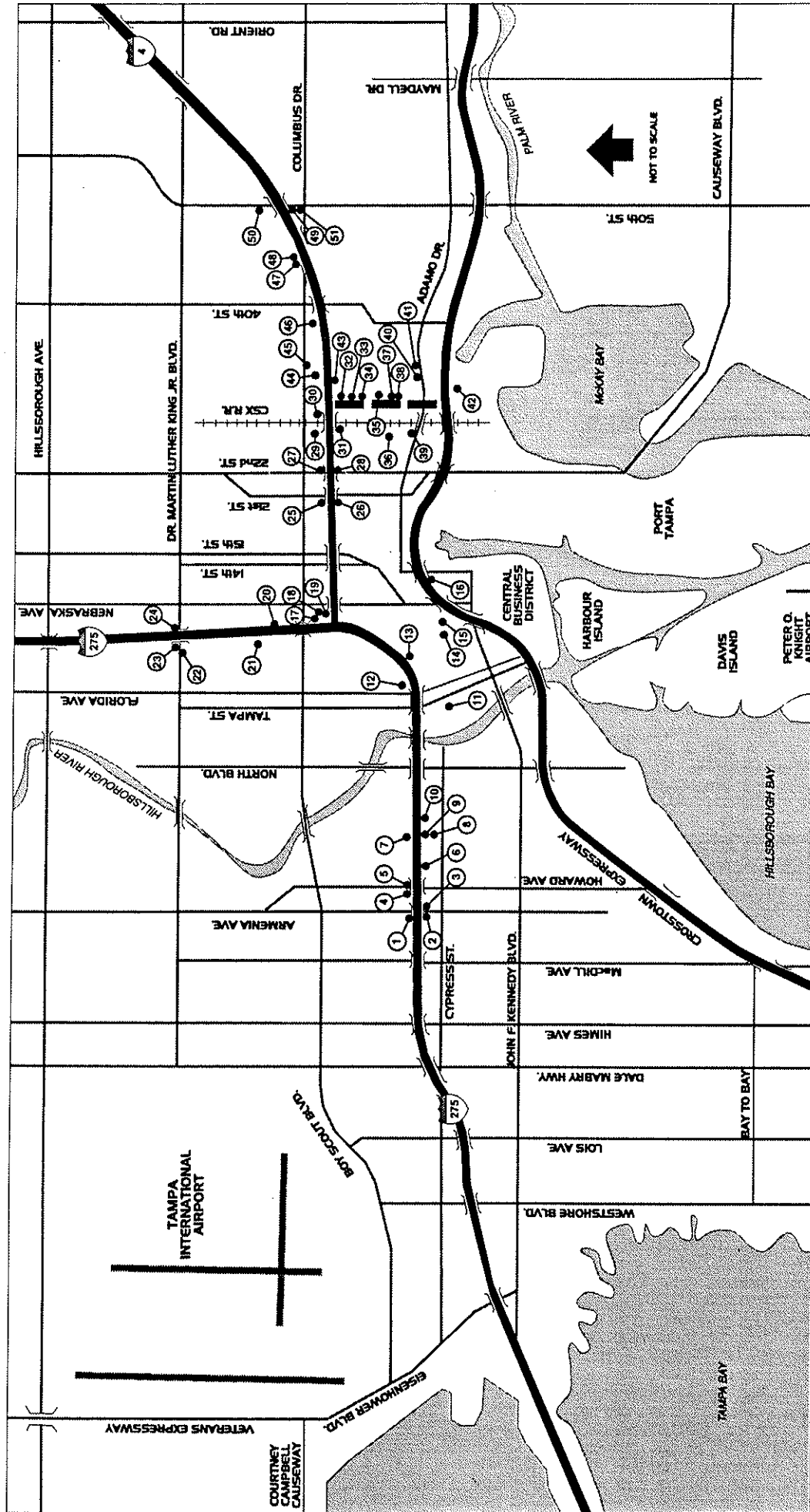
Based on this survey data and consideration of the proposed roadway right-of-way requirements for this project, each site was assigned a rating of "No," "Low," "Medium," or "High" according to the rating criteria established by the FDOT District 7. The rating assigned to a site provides an indication of the potential for contamination which could impact the roadway project. Each site rating is based on the following criteria:

1. Proximity to the right-of-way;
2. Physical land use history;
3. Current on-site conditions;
4. Storage of hazardous materials or generation of hazardous wastes or pollution; and
5. Known contamination or failure to comply with environmental regulations.

Risk rating scores for each of the 51 sites are provided in Appendix B. Sites rated "No" are not discussed in this report. A rating of "Low" was assigned to 12 of the identified sites where the handling and/or storage of hazardous materials at these facilities is not expected to impact the TIS project. A rating of "Medium" was assigned to 37 of the sites because the survey data indicated that they pose a potential risk of impacting the TIS project. A rating of "High" was assigned to two of the sites.

## 6.0 SITE DISCUSSIONS

This section provides brief, individual discussions for each of the sites identified in Table 1. "Medium" and "High" sites are those recommended for additional investigations because they present some potential risk to impact the TIS Master Plan project. "Low" rated sites are not expected to impact the project.



# LEGEND

FLORIDA DEPARTMENT OF TRANSPORTATION  
CONTAMINATION SCREENING EVALUATION  
TAMPA INTERSTATE STUDY  
PHASE II  
Hillsborough County, Florida

## POTENTIAL CONTAMINATION SITES

EXHIBIT 2

Proposed Crosstown Connector



TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
1	Salemi's Body Shop 1602 N. Armenia Ave. Tampa, Florida	Automotive service and former gas station	299103217 Small quantity hazardous waste generator 4029P00524	Paints, thinners & petroleum	Unknown	Petroleum contamination reported 3/29/91, eligible for cleanup reimbursement. FDEP reported 2/8/89 that the site properly disposes of its waste	20 feet	Medium
2	Money Land Pawn 1406 N. Armenia Ave. Tampa, Florida	Former gas station	None	Petroleum	Removed	None reported	Completely within	Medium
3	Citgo 1415 B Armenia Ave. Tampa, Florida	Gas station	298625485	Petroleum	Yes	CAR completed 8/26/93, contamination does not extend into the right-of-way	Completely within	Medium
4	Vacant Restaurant 2301 Green St. Tampa, Florida	Former gas station	None	Petroleum	Unknown	None reported	20 feet	Low
5	Texaco 2135 Green St. Tampa, Florida	Gas station	298944533	Petroleum	Yes	RAP completed 6/18/92, contamination extends across right-of-way	40 feet	Medium
6	Laurel Estates 1417 Albany Ave. Tampa, Florida	Former Williams Ray Funeral Home	None	Embalment fluid	Unknown	None reported	Completely within	Low

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-M*</u>	<u>Risk Rating</u>
7	Vacant Building 1721 W. Green St. Tampa, Florida	Former automotive service business	None	Petroleum	No	None reported	Adjacent	Low
8	Vacant Lot 1701 La Salle St. Tampa, Florida	Formerly Blanco Fuel Oil Storage	298735467	Petroleum	Removed	Contamination reported, eligible for state reimbursement	Adjacent	Medium
9	Tampa Electric Co. Laurel St. & Rome Ave. Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Completely within	Medium
10	T & M Automotive Paint and Body Shop 1011 W. La Salle St. Tampa, Florida	Automotive service and former gas station	None	Petroleum	Unknown	None reported	Adjacent	Medium
11	Pioneer Tire Co. 1004 N. Tampa St. Tampa, Florida	Automotive service and former gas station	298625262	Petroleum	Yes	Not using the tanks, because they are not in compliance with leak detection requirements	Completely within proposed parking structure	Medium
12	Tampa Electric Co. Kay St. & Marion St. Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Partially within	Medium
13	Ray's Bail Bonds 801 E. Scott St. Tampa, Florida	Former gas station	298732385	Petroleum	Removed	Contamination reported EDI #290297 eligible for cleanup	Completely within	Medium

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
14	Vacant Building 1111 E. Cass St. Tampa, Florida	Former automotive service business	None	Petroleum	No	None reported	Completely within proposed parking structure	Medium
15	Thornton Laboratories 1145 E. Cass St. Tampa, Florida	Analytical laboratory	Small quantity hazardous waste generator 4029p81268	Solvents, metals, bases and acids	None	None reported	Partially within proposed parking structure	Medium
16	City of Tampa DPW Fleet Maintenance 612 N. 12th St. Tampa, Florida	Fuel Storage	298625662	Petroleum	Yes	Contamination reported, eligible for state cleanup	30 feet	Medium
17	Amigos Auto Specialist 2318 N. Nebraska Ave. Tampa, Florida	Automotive service and former gas station	298625737	Petroleum	Abandoned in place with a solid filling	None reported	70 feet	Low
18	Vacant Building 2309 N. Nebraska Ave. Tampa, Florida	Former convenience store and gas station	298508941	Petroleum	Removed	EPC granted clean closure on 8/7/92	30 feet	Low
19	Eastside Funeral Home 2301 N. Nebraska Ave. Tampa, Florida	Former automotive service and gas station	None	Petroleum	Unknown	None reported	Completely within	Medium

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/ Contamination</u>	<u>Approximate Distance From R-O-U*</u>	<u>Risk Rating</u>
20	Tampa Fire Dept. Alarm Signal Build. 2904 Mitchell Ave. Tampa, Florida	Support fire department with a gas pump	298842212	Petroleum	Yes	Contamination reported, eligible for state cleanup. Underground storage tank removed and replaced with aboveground storage tank	Completely within	Medium
21	Spring Property 520 Floribaska Ave. Tampa, Florida	Former gas station	298509056	Petroleum	Yes	Contamination reported, eligible for state cleanup	60 feet	Medium
22	Answerite 510 E. Dr. Martin Luther King Jr. Blvd. Tampa, Florida	Former gas station	298732454	Petroleum	Removed	Contamination reported, 9/29/93	Completely within	Medium
23	Cumberland Farms 502 E. Dr. Martin Luther King, Jr. Blvd. Tampa, Florida	Gas station	298625782	Petroleum	Yes	Contamination has been remediated	Adjacent	Low
24	Chevron 802 E. Dr. Martin Luther King Jr. Blvd. Tampa, Florida	Gas station	298625417	Petroleum	Yes	Passed compliance inspection in 1993	Partially within	Medium
25	BP 2040 E. 14th Ave. Tampa, Florida	Gas station	298527858	Petroleum	Yes	Contamination reported EDI #2949951, eligible for state cleanup	Completely within	Medium

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

Site Number	Site Name & Address	Nature of Site	FDEP I.D. Number	Potential Contaminant	Storage Tanks	Regulatory Enforcement/Contamination	Approximate Distance From R-O-Y*	Risk Rating
26	Hardee's Rest. 2101 13th Avenue Tampa, Florida	Former gas station	298624753	Petroleum	Removed	Contamination reported, eligible for state cleanup	10 feet	Medium
27	Fina 2501 N. 22nd St. Tampa, Florida	Gas station	298625735	Petroleum	Yes	Contamination reported EDI #292828 eligible for state cleanup	Completely within	Medium
28	Amoco 2207 13th Ave. Tampa, Florida	Gas station	298625038	Petroleum	Yes	Contaminated soil and groundwater reported to EPC	20 feet	Medium
29	Massey Metals Company 2501 29th St. Tampa, Florida	Sheet metal fabrication and former gas pump	298625331	Petroleum	Yes	Have not completed proper tank closure.	Completely within	Medium
30	Warehouse 14th Ave. & 31st St. Tampa, Florida	Previously contained a gas pump	None	Petroleum	Yes	None reported	Completely within	Medium
31	Tampa Electric Co. 13th Avenue and CSX Transportation Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Partially within	Medium
32	Masonry Movers 12th Avenue Tampa, Florida	Heavy equipment storage and maintenance	None	Petroleum	No	None reported	Completely within	Medium
33	Tampa Electro Plating Co. 3005 E. 10th Ave. Tampa, Florida	Metal plating facility	None	Metals and solvents	Yes	None reported	Completely within	High



TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
34	Peoples Oil Company 9th Avenue Tampa, Florida	Petroleum storage	None	Petroleum products	Yes	None reported	Completely within	Medium
35	Florida Auto Parts 3008 7th Avenue Tampa, Florida	Auto parts sales and service	None	Petroleum and solvents	No	None reported	Completely within	Medium
36	Vincent Corp. 2810 5th Avenue Tampa, Florida	Metal works facility	None	Metal, acids and oils	No	None reported	90 feet	Low
37	Air Brake Specialist 1609 N. 31st street Tampa, Florida	Previous businesses include a medical waste disposal company and Scrap-All, Inc.	None	Petroleum and medical wastes	Yes	None reported	50 feet	Medium
38	Former Disposall Fac. 4th Avenue Tampa, Florida	Vacant business; former waste disposal facility	None	Metals, pesticides and solvents	No	None reported	Completely within	Medium
39	Scap-All, Inc. 2801 4th Avenue Tampa, Florida	Metal recycling	None	Metals, solvents, and PCB's	No	None reported	50 feet	Low
40	Sol Walker and Co. 1120 35th Street Tampa, Florida	Metal recycling and former gas tank site	298625371	Metals, solvents and PCB's	Abandoned in place with a solid filling	Contamination reported	Partially within	Medium

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/ Contamination</u>	<u>Approximate Distance From R-O-Y*</u>	<u>Risk Rating</u>
41	Industrial Chemical and Supply 3520 Adamo Dr. Tampa, Florida	Chemical supply and former underground storage tank site	298627232 and small quantity hazardous waste generator 4029P81709	Industrial chemicals	Abandoned in place with a solid filling	FDEP reported 11/14/85 that the site properly disposed of its waste. EPC reported no soil or ground-water contamination from the storage tank.	Partially within	Low
42	Spartan Oil Co. 2815 Long St. Tampa, Florida	Petroleum Storage	298509056	Petroleum	Yes	Contamination detected, eligible for insurance reimbursement	350 feet	Medium
43	CSVS, Inc. 2402 35th Street Tampa, Florida	Metal stripping	None	Solvents & paints	No	FDEP reported 10/16/89 that the site properly disposed of its waste	Completely within	High
44	Interstate Warehouse, Ltd. 3701 E. Columbus Dr. Tampa, Florida	Vacant warehouse	298624850	Petroleum	Yes	Contamination reported, eligible for state reimbursement	Partially within	Medium
45	Clorox 3601 E. Columbus Dr. Tampa, Florida	Warehouse & distribution center	Small quantity hazardous waste generator 4029P01139	Sodium hypochlorite	Yes	FDEP reported 5/19/82 that the site did not generate hazardous waste and was well maintained	125 feet	Low
46	Gulf Coast Lift Trucks 3807 E. 15th Ave. Tampa, Florida	Forklift services	None	Petroleum	No	None reported	Adjacent	Low

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

<u>Site Number</u>	<u>Site Name &amp; Address</u>	<u>Nature of Site</u>	<u>FDEP I.D. Number</u>	<u>Potential Contaminant</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-Y*</u>	<u>Risk Rating</u>
47	Tampa Forklift 4315 E. Columbus Dr. Tampa, Florida	Forklift service	None	Petroleum	Yes	None reported	25 feet	Low
48	Parts and Equipment Distributors 4317 E. Columbus Dr. Tampa, Florida	Distribution warehouse	298735721	Petroleum	Removed	Have not completed proper tank closure	Adjacent	Medium
49	Starvin Marvin #90 2602 N. 50th St. Tampa, Florida	Gas station	298625572	Petroleum	Yes	Contamination reported EDI #293189 eligible for cleanup reimbursement	10 feet	Medium
50	Texaco 2924 N. 50th St. Tampa, Florida	Gas station	298624837	Petroleum	Yes	Contamination reported, eligible for state cleanup	10 feet	Medium
51	Exxon 2502 50th St. Tampa, Florida	Gas station	298509079	Petroleum	Yes	Contamination reported EDI #290494 eligible for state cleanup	150 feet	Medium

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\* Distance from the proposed right-of-way to the tank, source, site, etc.  
CAR = Contamination Assessment Report.  
RAP = Remedial Action Plan.

TABLE 1

INVESTIGATED SITES  
IN THE VICINITY OF THE EIS STUDY AREA  
Tampa Interstate Study - Phase II  
(Continued)

Definition of Risk Ratings:

- No: After review of all available information, there is nothing to indicate hazardous material would be a problem. It is possible that hazardous material could have been handled on the parcel; however, all information (DEP reports, monitoring wells, water and soil samples, etc.) indicate problems should not be expected.
- Low: The operation has a hazardous waste generator ID number, or deals with hazardous materials; however, based on all available information, there is no reason to believe there would be any involvement with hazardous materials.
- Medium: After a review of all available information, indications are found (reports, Notice of Violation, consent order, etc.) that identify known soil and/or water contamination and that the problem does not need remediation, is being remediated (i.e., air stripping or the ground water, etc.), or that continued monitoring is required.
- High: After a review of all available information, there is a potential for hazardous material problems on the parcel. Further assessment will be required after alignment selection to determine the actual presence and/or levels of hazardous materials and the need for remedial action.

Site No. 1 (Salemi's Body Shop) - is located at the northwest corner of Armenia Avenue and Green Street, and is an auto body shop and previously was a gas station. The facility is registered with FDEP as a small quantity hazardous waste generator. A hazardous waste compliance inspection conducted on July 17, 1987 by FDEP indicated that the facility's soil along the southwest property boundary was stained red and blue. Subsequent laboratory analysis of the soil and follow-up inspections of the site led to the case being closed on February 8, 1989. The storage tanks have been removed; however, soil and groundwater petroleum contamination has been detected. The site is eligible for cleanup reimbursement through the Abandoned Tank Restoration Program. It is not known if the tanks still remain at the site. No right-of-way acquisition is proposed for this site. Risk rating is "Medium".

Site No. 2 (Money Land Pawn) - is located at the southwest corner of Armenia Avenue and Laurel Street, and is an automotive service facility and a former gas station. FDEP and EPC have no records on the underground storage tanks. The current tenants report that the tanks have been removed. The absence or presence of soil or groundwater contamination has not been established. Right-of-way acquisition for improvements to I-275 is planned for the entire site. Risk rating is "Medium".

Site No. 3 (Citgo) - is located along the southeast corner of Armenia Avenue and Laurel Street and is a gas station. Groundwater contamination was reported to FDEP and the site is eligible for Early Detection Incentive (EDI) state cleanup. On August 26, 1993, a contamination assessment was completed. Right-of-way acquisition for improvements to I-275 is planned for the entire site. Risk rating is "Medium".

Site No. 4 (Vacant Restaurant) - is located at the northwest corner of Green Street and Howard Avenue and is a former gas station. The FDEP has no records of underground storage tanks at this site. No right-of-way acquisition is proposed for this site. Risk rating is "Low".

Site No. 5 (Texaco) - is located at the northeast corner of Green Street and Howard Avenue and is a gas station. On June 10, 1991, a contamination assessment was completed. On June 18, 1992, a remedial action plan was approved by EPC. Groundwater contamination extends across Green Street into the existing right-of-way. No right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 6 (Laurel Estates) - is located at the northeast corner of Laurel Street and Albany Avenue and is a former funeral home. FDEP has no record of hazardous waste generation at this facility. The entire site is planned for right-of-way acquisition for improvements to I-275. Risk rating is "Low".

Site No. 7 (Vacant Building) - is located along the north side of Green Street between Fremont Avenue and Rome Avenue and is a former automotive repair business. FDEP has no record of hazardous waste generation at this facility. However, auto service facilities usually generate waste oil and used batteries. No right-of-way acquisition is proposed at this site. Risk rating is "Low".



Site No. 8 (Vacant Lot) - is located at the northwest corner of La Salle Street and Rome Avenue, and is the former Blanco Fuel Oil, a heating oil storage facility. The storage tanks have been removed and groundwater contamination was detected. The site is eligible for state cleanup reimbursement through the Abandoned Tank Restoration Program. No right-of-way acquisition is planned at this site. Risk rating is "Medium".

Site No. 9 (Tampa Electric Co.) - is located at the southwest corner of Laurel Street and Rome Avenue and is an electric substation. Neither FDEP nor EPC has any record of environmental contamination at this site. However, polychlorinated biphenyls (PCB's) contamination is sometimes associated with substations because PCB's were previously used in transformers. Right-of-way acquisition is planned for the entire site. Risk rating is "Medium".

Site No. 10 (T & M Automotive Paint and Body Shop) - is located at the northwest corner of La Salle Street and Delaware Avenue, and is an automotive service business and a former gas station. FDEP and EPC have no records on the underground storage tanks at this site. It is not known if the underground storage tanks are still in place or whether soil or groundwater contamination has occurred. Right-of-way acquisition is planned adjacent to the site's northern boundary for improvements to I-275. Risk rating is "Medium".

Site No. 11 (Pioneer Tire Co.) - is located at the northwest corner of Tampa Street and Tyler Street and is a former gas station. The tanks have been taken out-of-service because they do not meet the current environmental regulations. No contamination has been reported. This site is planned for complete right-of-way acquisition associated with a proposed parking structure. Risk rating is "Medium".

Site No. 12 (Tampa Electric Co.) - is located north of Kay Street and between Florida Avenue and Marion Street and is an electric substation. Neither FDEP nor EPC has any record of environmental contamination at this site. However, polychlorinated biphenyls (PCB's) contamination is sometimes associated with substations because PCB's were previously used in transformers. Right-of-way acquisition is planned for a portion of the site for improvements to I-275. Risk rating is "Medium".

Site No. 13 (Ray's Bail Bonds) - is located at the southwest corner of Scott Street and Orange Street and is a former gas station. Groundwater contamination was reported to FDEP and the site is eligible for EDI state cleanup. The underground storage tanks were removed in 1977. Right-of-way acquisition is planned for this entire site. Risk rating is "Medium".

Site No. 14 (Vacant Building) - is located along Cass Street and east of Jefferson Street and is a former automotive service facility. FDEP has no record of hazardous waste generation at this facility. However, auto service facilities usually generate waste oil and used batteries. Right-of-way acquisition for a proposed parking garage is planned for the entire site. Risk rating is "Medium".

Site No. 15 (Thornton Laboratories) - is located along Cass Street just west of Nebraska Avenue and is an analytical laboratory. The site is registered with FDEP as a small quantity hazardous waste generator. This site is planned for partial right-of-way acquisition associated with a proposed parking structure. Risk rating is "Medium".

Site No. 16 (City of Tampa, DPW Fleet Maintenance) - is located on the west side of 12th Street and contains gas pumps. Petroleum contamination has been reported and the site is eligible for state cleanup. EPC reported on August 26, 1992 that the monitor wells had a fuel odor. Operators report that waste oil is collected and disposed of by National Oil Services. Ten feet of right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 17 (Amigos Auto Specialist) - is located at the southwest corner of Columbus Drive and Nebraska Avenue and is a former gas station. This site was identified as General Auto Repair in Greiner's 1991 Hazardous Material Report. FDEP has no record of hazardous waste generation at this facility. However, auto services facilities usually generate waste oil and used batteries. No right-of-way acquisition is planned at this site. Risk rating is "Low".

Site No. 18 (Vacant Building) - is located at the southeast corner of Nebraska Avenue and 15th Avenue and is a former gas station. The site is registered with FDEP. The tanks have been removed and no contamination was detected. No right-of-way acquisition is proposed for this site. Risk rating is "Low".

Site No. 19 (Eastside Funeral Home) - is located at the northeast corner of Nebraska Avenue and 14th Avenue and is a former automotive service center and a former gas station. FDEP and EPC have no record on hazardous waste generation or underground storage tanks at this site. It is not known if the storage tanks are still in place or whether soil or groundwater contamination has occurred. Right-of-way acquisition for improvements to I-275 is planned for the entire site. Risk rating is "Medium".

Site No. 20 (Tampa Fire Department Alarm Signal Building) - is located west of Mitchell Avenue between Mathews Avenue and St. Clair Street and is a support facility for the Tampa Fire Department. Underground storage tanks have been replaced with an aboveground storage tank. Contamination has been reported and the site is eligible for state cleanup. Complete right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 21 (Spring Property) - is located at the northeast corner of Floribraska Avenue and Elmore Street. Groundwater contamination was reported and the site is eligible for state cleanup. However, no right-of-way acquisition is planned at this site. Risk rating is "Medium".

Site No. 22 (Answerite) - is located at the northeast corner of Dr. Martin Luther King, Jr. Boulevard and Marguerite Street and is a former gas station. The site is registered with FDEP, the underground storage tanks have been removed and no contamination was reported on September 29, 1993. Right-of-way acquisition for a stormwater pond is planned for the site. Risk rating is "Medium".

Site No. 23 (Cumberland Farms) - is located north of Dr. Martin Luther King, Jr. Boulevard and is a gas station. Reported petroleum contamination has been remediated. No right-of-way acquisition is planned for this site. Risk rating is "Low".

Site No. 24 (Chevron) - is located at the northeast corner of Dr. Martin Luther King, Jr. Boulevard and Taliaferro Avenue and is a gas station. EPC reported in 1993 that the facility was in compliance with underground storage tank regulations. However, partial right-of-way acquisition for improvements to I-275 is planned for this site. Risk rating is "Medium".

Site No. 25 (BP) - is located at the northwest corner of 14th Avenue and 21st Street and is a gas station. Groundwater contamination was reported to FDEP and the site is eligible for EDI state cleanup. Right-of-way acquisition for improvements to I-4 is planned for the entire site. Risk rating is "Medium".

Site No. 26 (Hardee's Restaurant) - is located along the south side of 13th Avenue between 21st Street and 22nd Street and is a former gas station. The storage tanks were removed and contamination was reported. The site is eligible for state cleanup funds. No right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 27 (Fina) - is located at the northeast corner of 22nd Street and 14th Avenue and is a gas station. Groundwater contamination was reported to FDEP and the site is eligible for EDI state cleanup. EPC reported on August 20, 1993 that free product was present in the southwest monitor well. Right-of-way acquisition for improvements to I-4 is planned for this entire site. Risk rating is "Medium".

Site No. 28 (Amoco) - is located at the southeast corner of 13th Avenue and 22nd Street and is a gas station. Groundwater and soil contamination was discovered November 1, 1990. A contamination assessment report was completed on August 5, 1992. Right-of-way acquisition is not planned for this site; however, a stormwater management pond is planned for the parcel located directly east of the site. Risk rating is "Medium".

Site No. 29 (Massey Metals) - is located at the southeast corner of 29th Street and 15th Avenue and is a sheet metal fabrication shop. The site previously maintained one 1,600-gallon underground storage tank which contained leaded gasoline. EPC reported that the tank was excavated in November 1989, but the case is not closed because they did not receive the laboratory analysis of soil and groundwater samples taken from the excavation. Right-of-way acquisition for improvements to I-4 is planned for the entire site. Risk rating is "Medium".

Site No. 30 (Warehouse) - is located at the northeast corner of 14th Avenue and 31st Street and is a unnamed warehouse which previously contained a gas pump. FDEP and EPC have no record on underground storage tanks at the site. It is not known if storage tanks are in place or whether soil or groundwater contamination has occurred. Partial right-of-way acquisition is planned for this site. The portion of the site to be acquired will include the warehouse and up to 10 feet away from the gas pump. Risk rating is "Medium".

Site No. 31 (Tampa Electric Company) - is located at the southwest corner of 13th Avenue and CSX railroad and is an electric substation. Neither FDEP nor EPC has any record of environmental contamination at this site. However, polychlorinated biphenyls (PCB's) contamination is sometimes associated with substations because PCB's were previously used in transformers. Partial right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 32 (Masonry Movers) - is located on 12th Avenue, west of 31st Street and is a heavy equipment storage and maintenance yard. The owner reports that the site does not contain any storage tanks and waste oil is stored in 55-gallon drums. Neither FDEP nor EPC has any record of environmental contamination at this site. Right-of-way acquisition associated with the Crosstown Connector is planned for the entire site. Risk rating is "Medium".

Site No. 33 (Tampa Electro Plating Co.) - is located on 10th Avenue between CSX railroad and 31st Street and is a metal plating facility. The most common operation at the facility is re-plating nickel and chromium automotive bumpers. Waste products from the plating operation are discharged to the city sewer. The city periodically monitors the facility's effluent entering the sewer. No other waste disposal methods are used. The site is not registered with FDEP as a small quantity hazardous waste generator.

The site also contains one small underground storage tank which the facility owner reported never contained any fuel and was never used. FDEP and EPC have no record on underground storage tanks at the site. Right-of-way acquisition associated with the Crosstown Connector is planned for the entire site. Risk rating is "High".

Site No. 34 (Peoples Oil Company) - is located on the north side of 9th Avenue between CSX railroad and 31st Street and is a bulk fuel storage facility. The facility contains numerous large aboveground storage tanks. Neighboring businesses report that the storage tanks previously contain new fuel, but that the tanks now contain waste oil that is regularly delivered in unmarked tanker trucks. Right-of-way acquisition associated with the Crosstown Connector is planned for the entire site. Risk rating is "Medium".

Site No. 35 (Florida Auto Parts) - is located along the north side of 7th Avenue between CSX railroad and 31st Street and is an auto parts sales and service facility. Engine parts are serviced and rebuilt in the backyard of the facility. The backyard is cluttered with auto parts and the soil is heavily stained with motor oil. Right-of-way acquisition associated with improvements to I-4 is planned for the entire site. Risk rating is "Medium".

Site No. 36 (Vincent Corporation) - is located along the north side of 5th Avenue between 29th Street and 31st Street and is a metal fabrication facility. The site is clean and well maintained, and no right-of-way is planned for the site. Risk rating is "Low".

Site No 37 (Air Brake Specialist) - is located along the east side of 31st Street between CSX railroad and 5th Avenue and is an automotive repair businesses. Previous businesses at this location included a medical waste incinerator and scrap metal business (Scrap-All).

Overall, the medical waste incinerator operations did not appear to present a significant source of soil or groundwater contamination; however, Scrap-All stored scrap metal and serviced their trucks on-site. At that time, Scrap-All maintained a pit enabling workers to service the trucks. When Scrap-All moved from the location, the pit was filled with sand. Currently, the sand in this pit is oil stained. Neither FDEP nor EPC have any records on underground storage

tanks at this site. This site is 25 feet east of the planned right-of-way acquisition associated with the Crosstown Connector. Risk rating is "Medium".

Site No. 38 (Former Disposall Facility) - is located along the north side of 4th Avenue between CSX railroad and 31st Street, and is a vacant building and the former location of a waste disposal company. FDEP and EPC have no records of contamination at this site. However, trash was previously separated and stored at this site. Complete right-of-way acquisition associated with the Crosstown Connector is planned for this site. Risk rating is "Medium".

Site No. 39 (Scrap-All, Inc.) - is located along the south side of 4th Avenue between 29th Street and 31st Street and is a metal scrap yard. Owners of the facility stated that all fluids are removed from engines and appliances before entering the scrap yard. No right-of-way acquisition is planned at this site. Risk rating is "Low".

Site No. 40 (Sol Walker and Co.) - is located at the northeast corner of Adamo Drive and 34th Street and is a metal recycling facility. Scrap metal from engines, appliances and other sources is separated, stored and crushed on-site. The scrap metal is stored outside in piles on an unpaved surface. Any fluid leakage from the engines and appliances could enter the soils. The site also contains a 1,000-gallon storage tank that has been abandoned in place with a solid filling. Twenty-five feet of right-of-way acquisition is planned at this site along Adamo Drive. Risk rating is "Medium".

Site No. 41 (Industrial Chemical and Supply) - is located along the north side of Adamo Drive between 34th Street and 39th Street and is a chemical distribution facility. The site contains a properly abandoned underground storage tank, and groundwater and soil testing in the vicinity of the tank did not detect contamination. FDEP reported that this business properly disposes of its waste. Approximately 5 feet of right-of-way acquisition is planned along Adamo Drive. Risk rating is "Low".

Site No. 42 (Spartan Oil Co.) - is located on the south side of Long Street and is a bulk petroleum storage center. Contamination was reported October 21, 1992 and the site is eligible for funds through the Petroleum Liability Restoration Insurance Program. Approximately 20 feet of right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 43 (CSVS, Inc.) - is located at the southwest corner of 35th Street and I-4 and is a metal stripping facility. At this facility, metal objects are dipped in vats containing stripping chemicals in order to remove paints and finishes. Waste stripping chemicals enter a series of three 1,000-gallon steel underground storage tanks. Once the underground storage tanks are filled, the waste enters the city sewer. These tanks were installed by a previous owner as a "treatment system." However, it does not appear that any treatment is occurring. Also, the ground above the tanks is caving in, indicating that the tanks may be settling and in a deteriorated condition. The FDEP lists this site as a small quantity hazardous waste generator and during an October 16, 1989 inspection reported that the site properly disposed of their wastes; however, the inspection did not indicate the presence of the underground treatment system. Right-of-way acquisition is planned for this entire site. Risk rating is "High".



Site No. 44 (Interstate Warehouse, Ltd.) - is located north of I-4 between 34th Street and 36th Street and is a complex of former industrial warehouses. The warehouses are currently vacant, but previously stored a variety of products. An underground storage tank was removed and petroleum contamination was detected. The site is eligible for cleanup reimbursement through the Abandoned Tank Restoration Program. Right-of-way acquisition for improvements to I-4 is planned for the southern 150 feet of the site. Risk rating is "Medium".

Site No. 45 (Clorox) - is located along the south side of Columbus Drive between 36th Street and 38th Street and is a bleach distribution center. The facility is registered with FDEP as a small quantity hazardous waste generator; however, no waste is generated and the registration is only for emergency spills. No right-of-way acquisition is planned for this site. Risk rating is "Low".

Site No. 46 (Gulf Coast Lift Trucks) - is located along the south side of 15th Avenue between 36th Street and 40th Street and is a forklift service facility. FDEP has no record of waste generation at this facility. No right-of-way acquisition is proposed for this site. Risk rating is "Low".

Site No. 47 (Tampa Forklift) - is located along the south side of Columbus Drive between 40th Street and the I-4 crossover, and is a forklift service facility. FDEP has no record of waste generation at this facility. Less than 10 feet of right-of-way acquisition for improvements to I-4 is proposed for this site. Risk rating is "Low".

Site No. 48 (Parts and Equipment Distributors) - is located south of Columbus Drive and previously contained a gas tank. The underground storage tank was removed on November 12, 1992 and four tons of contaminated soil was removed. EPC never received the groundwater analysis results. No right-of-way acquisition is planned for this site. Risk rating is "Medium".

Site No. 49 (Starvin Marvin #90) - is located at the southwest corner of 50th Street and Columbus Drive and is a gas station. Groundwater contamination was reported to FDEP and the site is eligible for EDI cleanup reimbursement. The contamination assessment indicates that soil contamination extends east into 50th Street. Right-of-way acquisition is not planned for this site; however, a stormwater management pond is planned for the parcel located directly north of the site and 10 feet away from the underground storage tanks. Risk rating is "Medium".

Site No. 50 (Texaco) - is located at the southwest corner of 50th Street and 21st Avenue and is a gas station. EPC reported on June 10, 1993 that free product was present in one monitor well. Right-of-way acquisition is planned west of the business. Risk rating is "Medium".

Site No. 51 (Exxon) - is located at the northwest corner of 50th Street and 14th Avenue and is a gas station. Groundwater contamination was reported to FDEP and the site is eligible for state cleanup. EPC reported on January 26, 1993 that the monitor wells had a fuel odor. No right-of-way acquisition is planned for this site. Risk rating is "Medium".

Six sites included in the 1991 Hazardous Material Report have been deleted from this report. Brief discussions of why the sites were deleted follows:

Site No. 11 (Tampa Blueprint) - this site does not presently or previously use store, or generate any hazardous chemicals.

Site No. 27 (McKinney's Garage) - this site does not presently or previously use, store or generate any hazardous chemicals.

Site No. 28 (Vacant Building) - is not within the current study limits.

Site No. 38 (Anthony Distributors) - is not within the current study limits.

Site No. 39 (L and C Body Shop) - is not within the current study limits.

Site No. 50 (Vacant Warehouse) - is not within the current study limits.

## 7.0 RECOMMENDATIONS

In accordance with FDOT guidelines, Level II contamination investigations are recommended at all "Medium" and "High" rated sites in order to verify the existence of soil or groundwater contamination which could potentially impact the TIS roadway improvement project. These Level II investigations should be conducted prior to roadway right-of-way acquisition and project construction.

Initially, the Level II investigations should consist of an updated review of FDEP and EPC files to review the current status of any known and/or any newly reported contamination or cleanup action at these sites. Following the regulatory file update, subsurface investigations are recommended at each site. These subsurface investigations should be conducted within the areas designated for right-of-way acquisition, utility relocation or stormwater management ponds. Level II investigations should consist of field collection of soil and groundwater samples from each site and analysis for the presence of petroleum contamination at existing and former locations of underground storage tanks containing petroleum products. At sites

where petroleum products are not the expected source of contamination, any sampling and analytical work to be conducted should be determined on a site-specific basis. At sites where contamination is detected, further field investigations should be conducted to determine the extent of the contamination, identify the source, and estimate the cost of remediation.

The findings in this Contamination Screening Evaluation Report are based upon preliminary information only and are not intended to replace more detailed studies such as individual Environmental Site Assessments and subsurface soil/ groundwater investigations. Rather, this survey is intended as a preliminary guide for identifying potential contamination sites in the TIS project area. Other technical studies may be required to determine the existence of site contamination prior to right-of-way acquisition, utility relocation or stormwater pond construction. It should be noted that potential contamination sites may extend beyond those identified in this preliminary survey because of limited historical and regulatory information, illegal dumping practices, and the lack of compliance with the FDEP stationary tank registration and hazardous waste generator programs. Finally, the identification of a site in this report does not necessarily indicate that the site contains environmental contamination, but only that there is the potential for environmental contamination to occur.

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## **APPENDICES**

**APPENDIX A**

**PD&E POTENTIAL CONTAMINATION RISK  
EVALUATION GUIDELINE, REVISION 2**

# MEMORANDUM

State of Florida Department of Transportation

DATE February 5, 1990

TO Distribution

FROM A. S. Rodriguez, District 7 Environmental Administrator *ASR*

COPIES TO

SUBJECT PD&E Potential Contamination Risk  
Evaluation Guideline

Attached for your use is Revision 2 2/05/90, of the Risk Evaluation Guideline. The revision addresses changes mainly to the "Description" column on pages 2 thru 6 in an attempt to clarify some ambiguous points.

Thank you.

ASR/ck

Distribution:

N. Arasteh  
D. Bonney  
J. Dorzback  
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J. C. Kraft  
D. May  
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D. Twiddy, Jr.

~~R. Alberts, P.E., Greiner, Inc.  
T. Twining, P.E., HDR Engineering~~

Attachment

PROJECT DEVELOPMENT & ENVIRONMENT  
POTENTIAL CONTAMINATION  
RISK EVALUATION GUIDELINE

This guideline has been developed to assist the evaluator in determining risks associated with potentially contaminated property required for FDOT, District Seven projects. The risk rating system was developed for preliminary investigations without soil and/or water sampling.

For the purpose of this Potential Contamination Risk Evaluation Guideline, the following definitions will apply:

Hazardous Materials: Generally elements and compounds which create a risk to public health, safety, and welfare. Specific lists of hazardous substances appear in the Code of Federal Regulations, 40CFR116.4 & 40CFR302.

Hazardous Waste: Generally defined as any hazardous material which is no longer needed and is to be or has been discarded and which is further defined and characterized in the Florida Administrative Code Chapter 17-30 & the Code of Federal Regulations, 40CFR260.10, 40CFR261.

Pollutant: Oil of any kind and in any form and derivatives thereof to include, but not be limited to, crude petroleum or liquid products that are derived from crude petroleum by distillation, cracking, hydroforming, and/or other petroleum refinery processes to include gasoline. Florida Administrative Code, Chapter 17-61 (F.A.C.17-61(23)(a) & Florida Statutes (F.S.376.031(12)).

NOTE: The Florida Department of Environmental Regulation does not consider gasoline contaminated soil as a hazardous waste. Gasoline is considered a hazardous material when the product is in storage, transport or use. It is considered a hazardous waste when discarded in its "pure" form or mixed with other characteristic or classified hazardous waste. FDER regulates soils contaminated with gasoline products under Florida Administrative Code, Chapter 17-61, Stationary Tanks.



# RISK EVALUATION GUIDELINE

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REVISION 2  
2/05/90

RISK COMPONENT	POINT ASSIGNMENT	RISK RATING	DESCRIPTION
1. Proximity to Right-of-Way of Parcels with Hazardous Waste Involvement	0 Points	( NONE )	No involvement of parcel to proposed right-of-way.
	1-2 Points	( LOW )	Parcel with hazardous waste generation near or adjacent to proposed right-of way.
	3-4 Points	( MED )	Parcel with hazardous waste generation partially or totally within proposed right-of-way.
	** 5 Points	( HIGH )	Parcel with hazardous waste contamination adjacent, partially or totally within proposed right-of-way.

\*\* ANY SITE ASSIGNED A SINGLE "5 POINT" ( HIGH ) RISK RATING OR CUMMULATIVELY EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.

# **RISK EVALUATION GUIDELINE**

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REVISION 2  
2/05/90

<b>RISK COMPONENT</b>	<b>POINT ASSIGNMENT</b>	<b>RISK RATING</b>	<b>DESCRIPTION</b>
2. Proximity to Right- of-Way of Parcels with Pollutant Involvement	0 Points	( NONE )	No involvement of parcel to proposed right-of-way.
	1-2 Points	( LOW )	Parcel with pollutant generation adjacent, partially or totally within proposed right- of-way. Parcel with pollutant contamination adjacent to proposed right-of-way.
	3-4 Points	( MED )	Parcel with pollutant contamination partially or totally within pro- posed right-of-way.
	** 5 Points	( HIGH )	High rating not appli- cable under this class- ification.

**\*\* ANY SITE ASSIGNED A SINGLE "5 POINT" ( HIGH ) RISK RATING OR CUMULATIVELY  
EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.**

SK EVALUATION GUIDELINE

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2/05/90

RISK COMPONENT	POINT ASSIGNMENT	RISK RATING	DESCRIPTION
3. Physical Land Use History.	0 Points	( NONE )	Site undeveloped. No historical hazardous material, hazardous waste or pollutant involvement at site
	1-2 Points	( LOW )	Past or present petroleum product usage or known pollutant contamination with remediation complete.
	3-4 Points	( MED )	Known past or present hazardous material useage or hazardous waste generation. Hazardous waste contamination with remediation complete. Pollutant contamination with no or incomplete remediation.
	** 5 Points	( HIGH )	Record of past or present hazardous materials or hazardous waste contamination with no or incomplete remediation.

\*\* ANY SITE ASSIGNED A SINGLE "5 POINT" ( HIGH ) RISK RATING OR CUMMULATIVELY EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.

# RISK EVALUATION GUIDELINE

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REVISION 2  
2/05/90

RISK COMPONENT	POINT ASSIGNMENT	RISK RATING	DESCRIPTION
4. Current On-Site Conditions (Visual Walk-Thru)	0 Points	( NONE )	No hazardous materials, hazardous waste, or pollutant observed at the site.
	1-2 Points	( LOW )	Use or generation of hazardous materials, hazardous waste and/or pollutant . Visually clean.
	3-4 Points	( MED )	Use or generation of hazardous materials, hazardous waste and/or pollutant . Obvious or suspect contamination. Unclean or suspect appearances.
	** 5 Points	( HIGH )	Suspect or obvious hazardous waste contamination.
5. Storage of Hazardous Materials, Hazardous Wastes and/or Pollutant .	0 Points	( NONE )	No hazardous materials hazardous waste or pollutant on site.
	1-2 Points	( LOW )	Hazardous materials or hazardous waste stored above ground. Pollutant stored above ground or underground.
	3-4 Points	( MED )	Hazardous materials or hazardous waste stored below ground.
	** 5 Points	( HIGH )	Evidence that hazardous material or hazardous waste is not stored, handled, or disposed of properly.

\*\* ANY SITE ASSIGNED A SINGLE "5 POINT" ( HIGH ) RISK RATING OR CUMMULATIVELY EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.

# RISK EVALUATION GUIDELINE

Page 6 of 6  
REVISION 2  
2/05/90

RISK COMPONENT	POINT ASSIGNMENT	RISK RATING	DESCRIPTION
6. Violation Record	0 Points	( NONE )	No hazardous material, hazardous waste, or pollutant violation/involvement at site.
	1-2 Points	( LOW )	Hazardous waste/pollutant violations documented. Remediation complete.
	3-4 Points	( MED )	Pollutant violations documented. Remediation incomplete or has not begun. Pollutant violation obvious but no documentation.
	** 5 Points	( HIGH )	Hazardous waste violations documented. Remediation incomplete or has not begun. Hazardous waste violation obvious but no documentation.

POINT TOTAL: 25-19 ( HIGH )    18-13 ( MED )    12-5 ( LOW )    Under 5 ( NO )

\*\* ANY SITE ASSIGNED A SINGLE "5 POINT" ( HIGH ) RISK RATING OR CUMULATIVELY EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.

**APPENDIX B**  
**CONTAMINATION RISK RATING**

APPENDIX B

CONTAMINATION RISK RATING

Site Number	Site Name	Proximity to the Right-of-Way (Hazardous Waste)	Proximity to the Right-of-Way (Pollutants)	Physical Land Use Survey	Existing Conditions	Storage of Hazardous Materials, etc.	Violation Record	Total Points	Risk Rating
1	Salemi's Body Shop	2	0	4	4	2	2	14	Medium
2	Money Land Pawn	0	4	4	4	2	0	14	Medium
3	Citgo	0	4	4	2	2	0	12	Low
4	Vacant Restaurant	0	2	2	2	2	0	8	Low
5	Texaco	0	2	2	4	2	4	14	Medium
6	Laurel Estates	4	0	3	2	2	0	11	Low
7	Vacant Building	0	2	2	2	2	0	8	Low
8	Vacant Lot	0	2	2	4	2	4	14	Medium
9	Tampa Electric Co.	4	0	4	3	2	0	13	Medium
10	T & M Automotive Paint and Body Shop	0	2	4	4	3	0	13	Medium
11	Pioneer Tire Co.	4	0	4	3	2	0	13	Medium
12	Tampa Electric Co.	4	0	4	3	2	0	13	Medium
13	Ray's Bail Bonds	0	4	4	2	2	4	16	Medium
14	Vacant Building	0	4	4	4	2	0	14	Medium
15	Thornton Laboratories	4	0	4	4	2	0	14	Medium
16	City of Tampa DPW Fleet Maintenance	0	4	2	4	2	4	16	Medium

APPENDIX B

CONTAMINATION RISK RATING  
(Continued)

<u>Site Number</u>	<u>Site Name</u>	<u>Proximity to the Right-of-Way (Hazardous Waste)</u>	<u>Proximity to the Right-of-Way (Pollutants)</u>	<u>Physical Land Use Survey</u>	<u>Existing Conditions</u>	<u>Storage of Hazardous Materials, etc.</u>	<u>Violation Record</u>	<u>Total Points</u>	<u>Risk Rating</u>
17	Amigos Auto Specialist	0	2	2	2	2	0	8	Low
18	Vacant Building	0	2	3	2	2	3	12	Low
19	Eastside Funeral Home	0	4	3	4	2	0	13	Medium
20	Tampa Fire Dept. Alarm Signal Building	0	4	4	4	2	0	14	Medium
21	Spring Property	0	2	2	2	2	0	8	Low
22	AnswerRite	0	4	2	4	2	2	14	Medium
23	Cumberland Farms	0	2	2	2	2	0	8	Low
24	Chevron	0	4	4	3	2	0	13	Medium
25	BP	0	4	4	4	2	4	18	Medium
26	Hardee's Restaurant	0	4	2	4	2	2	14	Medium
27	Fina	0	4	4	2	2	4	16	Medium
28	Amoco	0	2	4	2	2	4	14	Medium
29	Massey Metals	0	4	4	3	2	0	13	Medium
30	Warehouse	0	4	4	3	2	0	13	Medium



APPENDIX B

CONTAMINATION RISK RATING  
(Continued)

<u>Site Number</u>	<u>Site Name</u>	<u>Proximity to the Right-of-Way (Hazardous Waste)</u>	<u>Proximity to the Right-of-Way (Pollutants)</u>	<u>Physical Land Use Survey</u>	<u>Existing Conditions</u>	<u>Storage of Hazardous Materials, etc.</u>	<u>Violation Record</u>	<u>Total Points</u>	<u>Risk Rating</u>
31	Tampa Electric Co.	4	0	4	4	2	0	14	Medium
32	Masonry Movers	0	4	2	4	3	0	13	Medium
33	Tampa Electro Plating Co.	5	5	4	4	2	0	20	High
34	Peoples Oil Company	0	4	4	4	2	0	14	Medium
35	Florida Auto Parts	0	4	4	4	2	0	14	Medium
36	Vincent Corp.	0	2	2	2	2	0	8	Low
37	Air Brake Specialist	0	4	4	3	2	0	13	Medium
38	Former Disposall facility	4	0	4	4	2	0	14	Medium
39	Scrap-All, Inc.	0	2	2	4	2	0	10	Low
40	Sol Walker and Co.	0	4	2	4	3	0	13	Medium
41	Industrial Chemical and Supply	0	2	2	2	2	0	8	Low
42	Spartan Oil Co.	0	2	2	4	2	3	13	Medium

APPENDIX B

CONTAMINATION RISK RATING  
(Continued)

Site Number	Site Name	Proximity to the Right-of-Way (Hazardous Waste)	Proximity to the Right-of-Way (Pollutants)	Physical Land Use Survey	Existing Conditions	Storage of Hazardous Materials, etc.	Violation Record	Total Points	Risk Rating
43	CSVS, Inc.	5	5	4	4	4	0	22	High
44	Interstate Warehouse, Ltd.	4	2	4	2	2	0	14	Medium
45	Clorox	2	0	3	2	3	0	10	Low
46	Gulf Coast Lift Trucks	0	2	2	2	2	0	8	Low
47	Tampa Forklift	0	2	2	4	2	0	10	Low
48	Parts and Equipment Distributors	0	2	2	4	2	3	13	Medium
49	Starvin Marvin #90	0	4	4	2	2	4	16	Medium
50	Texaco	0	2	2	4	2	4	14	Medium
51	Exxon	0	2	4	4	2	4	16	Medium

Risk Component Rating: 0-2 Points - Low  
3-4 Points - Medium  
5 Points - High

Point Total Rating: 0-4 Points - No  
5-12 Points - Low  
13-18 Points - Medium  
19-25 Points - High  
Any Single 5 Points - High

**APPENDIX C**  
**SITE LOCATION MAP**

