

rec'd 11/21/91

**Task A.5.b.16  
Hazardous Material Report**

**TAMPA INTERSTATE STUDY**

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

Interstate 275 (I-275) from Dale Mabry Highway Interchange north to Dr. Martin Luther King Jr. Boulevard (formerly Buffalo Avenue), Interstate 4 (I-4) from I-275 (including interchange) to east of 50th Street (U.S. 41), and the Crosstown Connector from I-4 southward to the existing Tampa South Crosstown Expressway, Hillsborough County.

**Prepared For The  
FLORIDA DEPARTMENT  
OF  
TRANSPORTATION**

**Prepared By  
GREINER, INC.**

**In Association With  
KNIGHT APPRAISAL SERVICES, INC.  
PIPER ARCHAEOLOGICAL SERVICES**

**NOVEMBER 1991**

TIS Phase II  
C2380.00



**Task A.5.b.16  
Hazardous Material Report**

**TAMPA INTERSTATE STUDY**

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

**Interstate 275 (I-275) from Dale Mabry Highway Interchange north to Dr. Martin Luther King Jr. Boulevard (formerly Buffalo Avenue), Interstate 4 (I-4) from I-275 (including interchange) to east of 50th Street (U.S. 41), and the Crosstown Connector from I-4 southward to the existing Tampa South Crosstown Expressway, Hillsborough County.**

**Prepared For The  
FLORIDA DEPARTMENT  
OF  
TRANSPORTATION**

**Prepared By  
GREINER, INC.**

**In Association With  
KNIGHT APPRAISAL SERVICES, INC.  
PIPER ARCHAEOLOGICAL SERVICES**

**NOVEMBER 1991**

## SUMMARY

This report presents the results of a Level I hazardous material site survey conducted for Phase II of the Tampa Interstate Study (TIS) in Tampa, Florida. The project area includes Interstate 275 (I-275) from east of the Dale Mabry Highway interchange north to Dr. Martin Luther King, Jr. Boulevard (Buffalo Avenue), I-4 from I-275 (including interchange) to east of 50th Street (U.S. 41), and the Crosstown Connector from I-4 southward to the existing Tampa South Crosstown Expressway. 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 54 sites of known, or suspected, hazardous materials use or storage along this TIS project corridor. 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 a mixture of automotive service facilities, electric substations, various manufacturers, and waste disposal and recycling facilities. Each of these sites may be engaged in the use, storage or disposal of hazardous materials or hazardous waste.

Based on these findings, Level II hazardous materials investigations are recommended at 30 of the 54 sites where soil/groundwater contamination could impact the TIS roadway improvement project. Level II investigations should include (1) an updated review of Florida Department of Environmental Regulation (FDER) and Hillsborough County Environmental Protection Commission (EPC) files and (2) the select sampling and analysis of each the site's soil and groundwater. The sites recommended for these Level II investigations follow:

Site No. 1	(Salemi's Body Shop)	Site No. 31	(Amoco)
Site No. 2	(Automan Engine Exchange)	Site No. 32	(Massey Metals)
Site No. 3	(Phillips 66-Armenia)	Site No. 33	(Warehouse)
Site No. 9	(Tampa Electric Co.)	Site No. 34	(Tampa Electric Co.)
Site No. 10	(Mr. Woods Automotive Repair)	Site No. 35	(Tampa Electro Site Plating Co.)
Site No. 11	(Tampa Blueprint)	Site No. 36	(Petro Systems)
Site No. 12	(Tampa Electric Co.)	Site No. 37	(Florida Auto Parts)
Site No. 13	(Vacant gas station)	Site No. 39	(L and C Body Shop)
Site No. 14	(Automotive Air Condition)	Site No. 42	(Sani-Med. Inc.)
Site No. 15	(Thornton Laboratories)	Site No. 43	(Former Disposall Facility)
Site No. 18	(All Your Equipment Needs)	Site No. 45	(Sol Walker and Co.)
Site No. 21	(Tampa Fire Department Alarm Signal Building)	Site No. 47	(Redi-Strip)
Site No. 24	(Chevron)	Site No. 48	(Industrial Supply Corporation)
Site No. 26	(Royal Station)	Site No. 54	(Starvin Marvin #90)
Site No. 30	(Gas Kwick)	Site No. 56	(United 500 Site No. Petroleum)

## TABLE OF CONTENTS

	<b><u>Page</u></b>
Summary	i
List of Tables	iv
List of Exhibits	iv
1.0 PROJECT DESCRIPTION	1
2.0 LAND USE	3
3.0 HYDROLOGIC FEATURES	3
4.0 SURVEY METHODOLOGY	4
5.0 SURVEY RESULTS	5
6.0 SITE DISCUSSIONS	16
7.0 RECOMMENDATIONS	23
BIBLIOGRAPHY	
APPENDICES	
Appendix A- PD&E Potential Contamination Risk Evaluation Guideline, Revision 2	
Appendix B- Storage Tank Registration Data	
Appendix C- Contamination Risk Rating	

## LIST OF TABLES

<u>Table No.</u>	<u>Title</u>	<u>Page</u>
1	Investigated Sites in the Vicinity of the EIS Study	6

## LIST OF EXHIBITS

<u>Exhibit No.</u>	<u>Title</u>	<u>Follows</u>
1	Project Study Limits	Page 1
2	Master Plan Recommended Concept	Page 2
3	Investigated Sites	Page 5

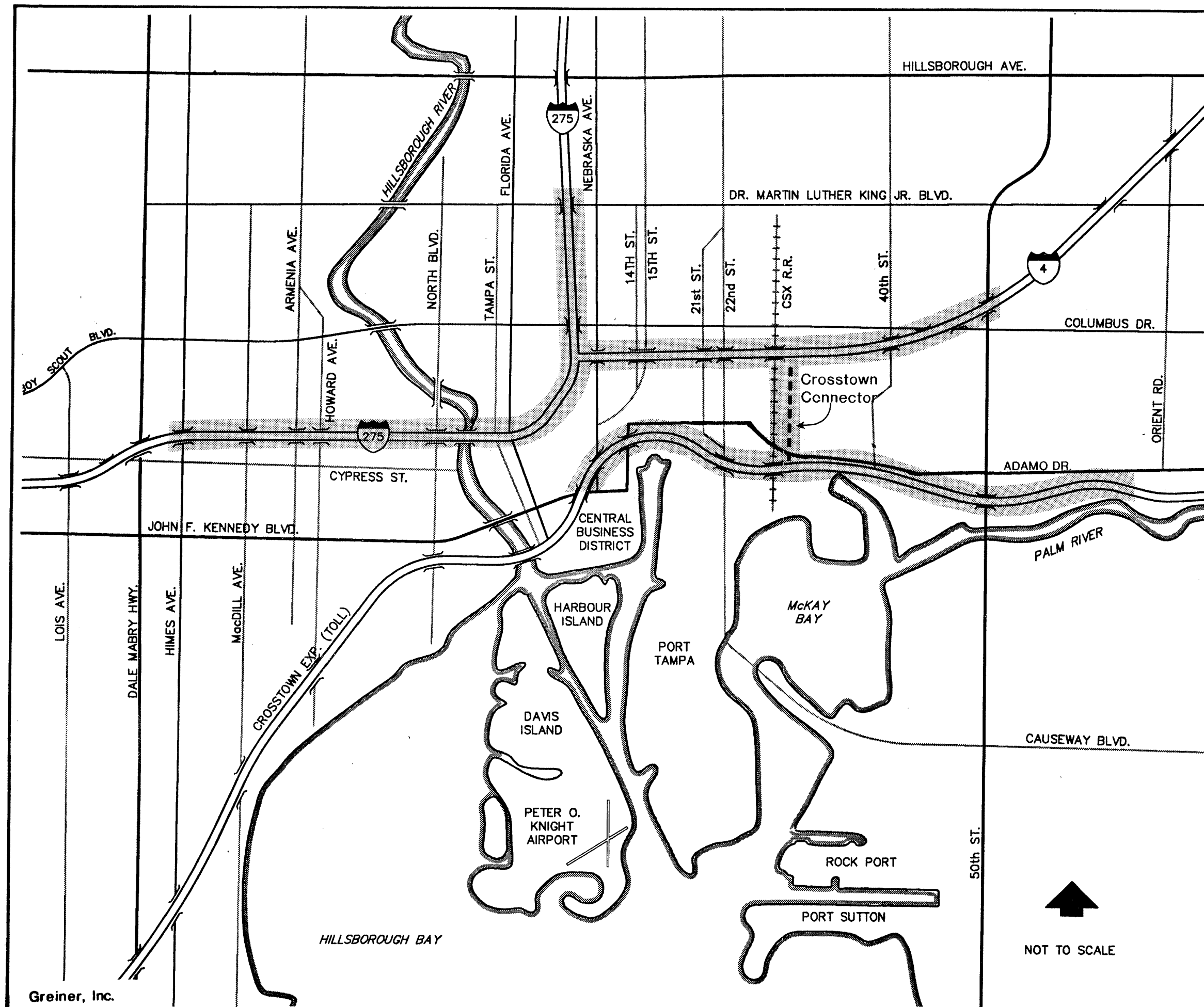
## **1.0 PROJECT DESCRIPTION**

The Florida Department of Transportation (FDOT) is conducting environmental impact studies for Phase II of the Tampa Interstate Study (TIS). Specifically, this Hazardous Material Report has been prepared as part of Phase II services for an Environmental Impact Statement (EIS) for the study area. The EIS study area includes Interstate 275 (I-275) from east of the Dale Mabry Highway north to Dr. Martin Luther King, Jr. Boulevard (Buffalo Avenue); I-4 from I-275 to east of 50th Street (U.S. 41); and the Crosstown Connector from I-4 southward to the existing Tampa South Crosstown Expressway. 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. On I-275 between the I-4 junction and Dr. Martin Luther King, Jr. Boulevard, the facility has eight lanes 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.

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 197,000 vpd between I-4 and Dr. Martin Luther King, Jr. Boulevard. The I-4 study 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



# LEGEND

- Proposed New Roads
- Project Study Limits

FLORIDA DEPARTMENT OF TRANSPORTATION  
HAZARDOUS MATERIAL SURVEY  
TAMPA INTERSTATE STUDY  
PHASE II  
Hillsborough County, Florida  
PROJECT STUDY LIMITS

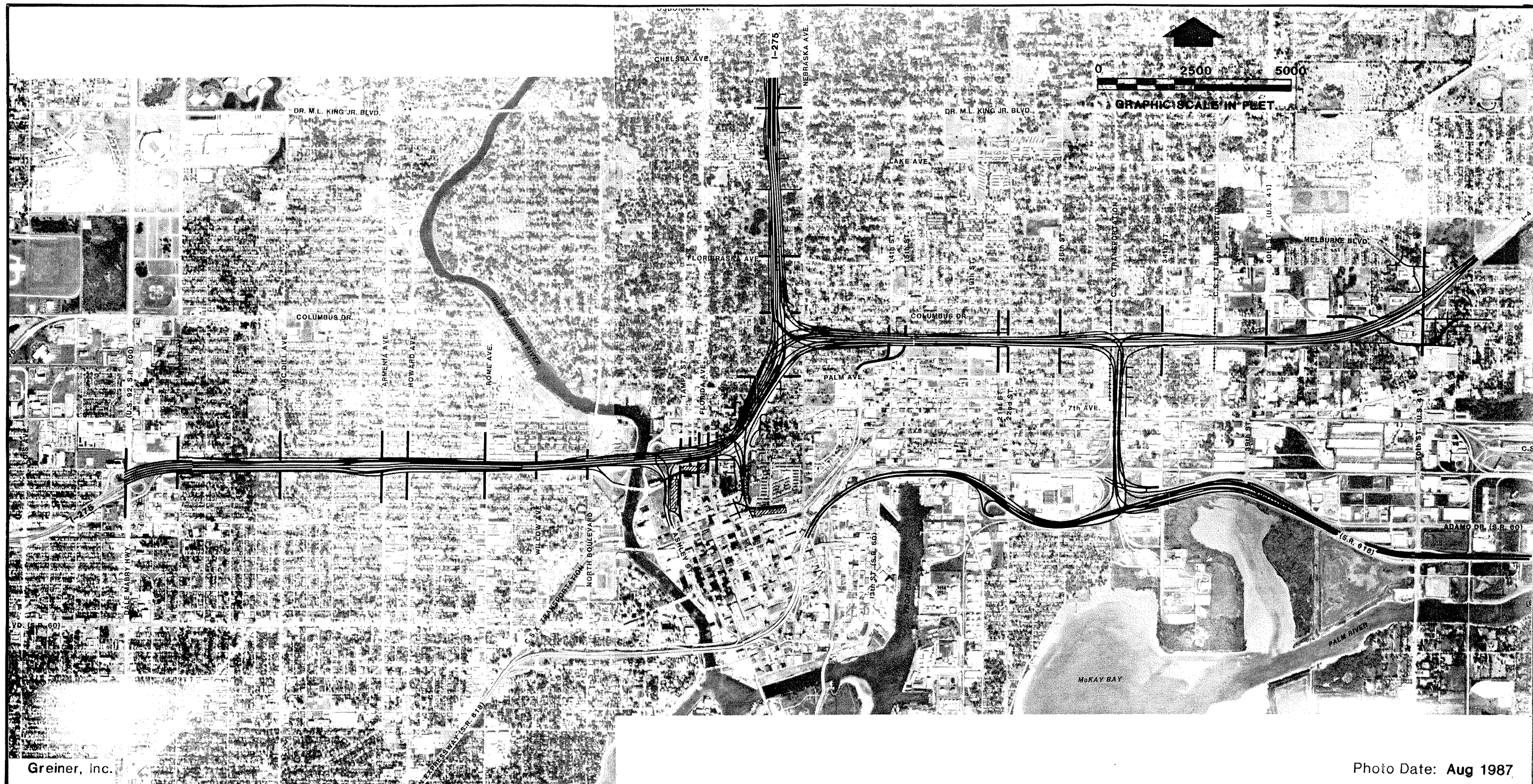


factors, a "tier analysis" was conducted to develop and evaluate various roadway design concepts for the TIS area. As a result of the tier analysis a Master Plan concept was recommended.

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 central business district (CBD) distributor interchange at Ashley/Tampa Streets; a new west bank CBD interchange with ramps, at Ashley/Tampa Streets; a new west bank CBD interchange with ramps, to and from the west, on I-275 at North Boulevard; removal of the existing ramps, to and from the north, at Floribaska Avenue; and a full interchange at Dr. Martin Luther King, Jr. 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 Street with extension of the ramps at 14th and 15th Street as parallel frontage roads to 21st and 22nd Streets to replace the existing access from I-4. 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 Avenue and 50th Street, the removal of the interchange ramp at 40th Street and a new directional freeway to





**FLORIDA DEPARTMENT OF TRANSPORTATION**  
**HAZARDOUS MATERIAL SURVEY**  
**TAMPA INTERSTATE STUDY**  
**PHASE II**  
Hillsborough County, Florida  
**MASTER PLAN RECOMMENDED**  
**CONCEPT**

freeway interchange with the Crosstown Expressway Connector on I-4 in the vicinity of 30th Street. Exhibit 2 shows the Master Plan recommended concept on 1' = 1,000' scale aerial photography.

## **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 business. At the eastern end of the study area I-275 intersect the north portion of the Tampa central business district. Continuing north along I-275 is predominantly single-family residences with commercial land uses surround 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.

## **3.0 HYDROLOGIC FEATURES**

The study area is located within Federal Emergency Management Agency 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 TIS 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 SURVEY METHODOLOGY**

This hazardous material site survey was conducted in order to 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 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 Regulation (FDER), and
  - Hillsborough County Environmental Protection Commission (EPC).
- \* Consulting the following publications by the FDER and Tampa Bay Regional Planning Council (TBRPC) for locations of potential environmental contamination:
  - Stationary Tank Inventory System (FDER),
  - Contamination Detail Report (FDER),
  - Groundwater Management System Hazardous Waste Quick Look (FDER),
  - The Sites List, Summary Status Report (FDER), 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 significance along the project corridor;
- \* Evaluating historical aerial photography of the TIS corridor taken in 1960, 1966, 1972 and 1987;
- \* Conducting field investigations within the study area in order to 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.

All of the available information obtained from these tasks was evaluated according to the Project Development and Environmental (PD&E) Contamination Risk Evaluation Guidelines, 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 survey. The risk rating assigned to a each site indicates the potential for hazardous material problems which could impact the proposed Master Plan.

## **5.0 SURVEY RESULTS**

Based on the results of this survey, 54 potential hazardous sites were identified along the TIS project corridor. Exhibit 3, located at the end of this section, illustrates the approximate 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 following Exhibit 3. Photographs of each site have been retained by Greiner, Inc. and are contained in the project files.

Most of the 54 identified sites are (1) businesses which maintain underground storage tanks containing petroleum products or (2) sites that previously maintained underground storage tanks. Storage tank information provided from the FDER registration is contained in Appendix B. Other sites include automotive and truck service facilities, a funeral home, electric substations, print shops, an analytical laboratory, metal works facilities, metal plating and stripping facilities, waste disposal companies, metal recycling facilities, a chemical supply company.



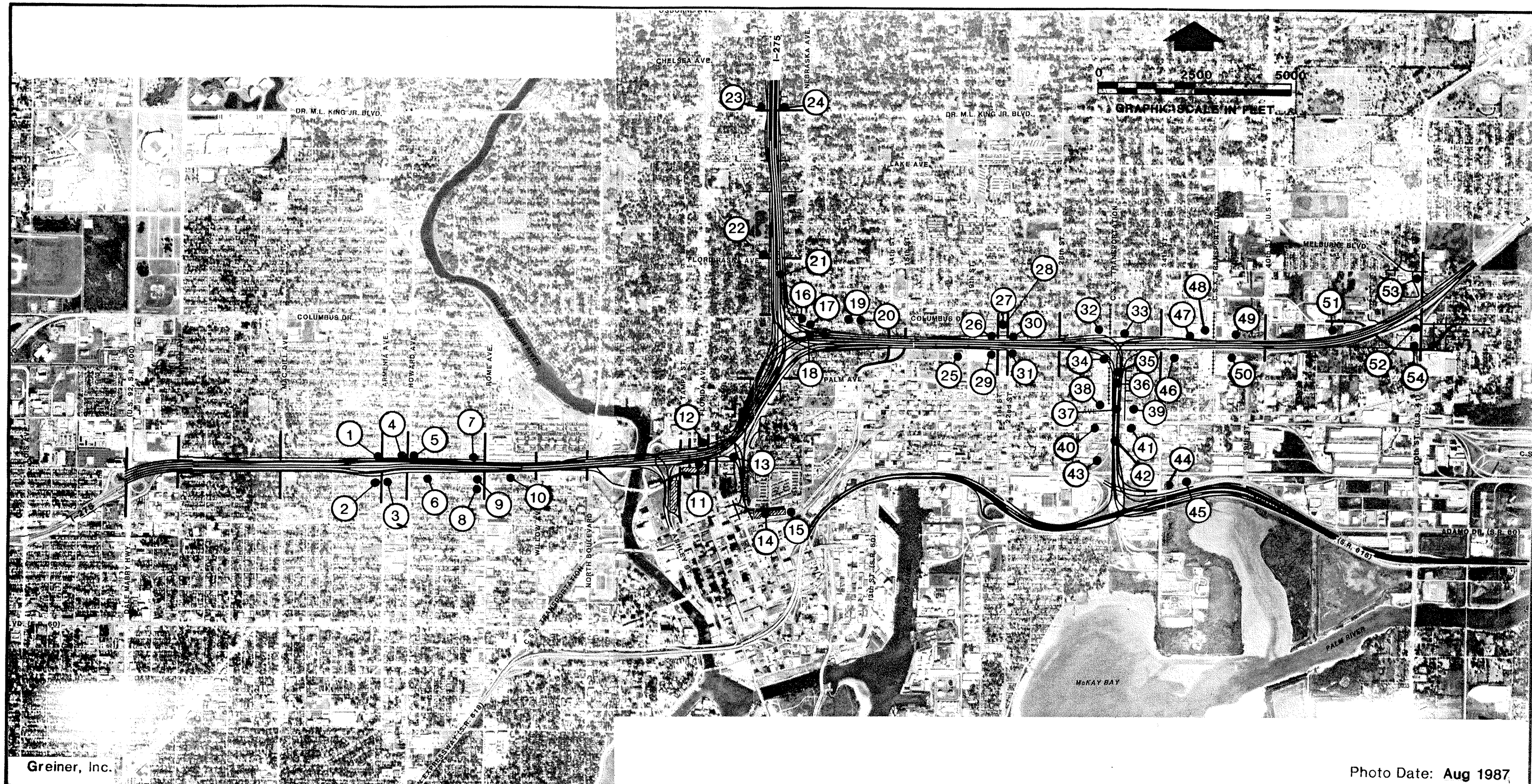


Photo Date: Aug 1987

# **LEGEND**

- ① Hazardous Materials Site Location  
(See Table 1 For Specific Information)

**FLORIDA DEPARTMENT OF TRANSPORTATION**  
**HAZARDOUS MATERIAL SURVEY**  
**TAMPA INTERSTATE STUDY**  
**PHASE II**  
 Hillsborough County, Florida  
**HAZARDOUS MATERIAL SITES**



Based on this survey data and consideration of the proposed roadway right-of-way requirements associated with each TIS alignment alternative, 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 a indication of the potential for hazardous material problems 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 54 sites are provided in Appendix C. Sites rated "No" are not included in this report. A rating of "Low" was assigned to 24 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 30 of the sites because the survey data indicated that they pose a potential risk of impacting the project.

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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</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	Small quantity hazardous waste generator 4029P00524	Paints, thinners & petroleum	Unknown	FDER reported 2/8/89 that the site properly disposes of its waste	20 feet	Medium
2	Automan Engine Exchange 1406 N. Armenia Ave. Tampa, Florida	Automotive service and former gas station	None	Petroleum	Removed	None reported	Completely within	Medium
3	Phillips 66-Armenia 1414 N. Armenia Ave. Tampa, Florida	Gas station	298625485	Petroleum	Yes	Contamination reported ED1 #292169 eligible for state cleanup	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	Not available	Petroleum	Yes	None reported	40 feet	Low
6	1417 Albany Ave. Tampa, Florida	Former Williams Ray Funeral Home	None	Embalment fluid	Unknown	None reported	Completely within	Low
7	Green Street Auto Service 1721 W. Green St. Tampa, Florida	Automotive service	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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
8	Blanco Fuel Oil 1701 La Salle St. Tampa, Florida	Fuel oil storage	298735467	Petroleum	Yes	No contamination detected in monitor wells.	Adjacent	Low
9	Tampa Electric Co. Laurel St. & Rome Ave. Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Completely within	Medium
10	Mr. Woods Automotive Repair 1011 W. La Salle St. Tampa, Florida	Automotive service and former gas station	None	Petroleum	Unknown	None reported	Adjacent	Medium
11	Tampa Blueprint 1319 Florida Ave. Tampa, Florida	Printshop	None	Solvents & inks	No	None reported	Completely within	Medium
12	Tampa Electric Co. Kay St. & Marion St. Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Completely within	Medium
13	Vacant gas station 801 E. Scott St. Tampa, Florida	Former gas station	298732385	Petroleum	Removed	Contamination reported EDI #290297 eligible for cleanup	Completely within	Medium
14	Automotive Air Condition 1111 E. Cass St. Tampa, Florida	Automotive service	None	Petroleum	No	None reported	Completely within proposed parking structure	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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
15	Thornton Laboratories 1145 E. Cass St. Tampa, Florida	Analytical laboratory	None	Solvents, metals, bases and acids	None	None reported	Partially within proposed parking structure	Medium
16	General Auto Repair 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
17	Coastal Mart #643 2309 N. Nebraska Ave. Tampa, Florida	Convenience store and former gas station	298508941	Petroleum	Removed	Small quantity of contaminated soil discovered during tank removal.	30 feet	Low
18	All Your Equipment Needs 2301 N. Nebraska Ave. Tampa, Florida	Automotive service and former gas station	None	Petroleum	Unknown	None reported	Completely within	Medium
19	Graham Welding 1017 E. Columbus Dr. Tampa, Florida	Welding shop and former gas station	None	Petroleum	Unknown	None reported	50 feet	Low
20	Danny's Generators and Starters 1023 E. Columbus Dr. Tampa, Florida	Automotive repair and gas station	298508982	Petroleum	Abandoned in place with a solid filling	Have not completed proper closure.	70 feet	Low
21	Tampa Fire Dept. Alarm Signal Build. 2904 Mitchell Ave. Tampa, Florida	Support fire department with a gas pump	298842212	Petroleum	Yes	Tanks have not been properly abandoned.	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	FDER I.D. Number	Potential Hazardous Materials	Storage Tanks	Regulatory Enforcement/Contamination	Approximate Distance From R-O-W*	Risk Rating
22	Vacant gas station 520 Floribaska Ave. Tampa, Florida	Former gas station	None	Petroleum	Yes	None reported	60 feet	Low
23	Answerite 510 E. Dr. Martin Luther King Jr. Blvd. Tampa, Florida	Former gas station	298732454	Petroleum	Removed	None reported	Completely within	Low
24	Chevron 802 E. Dr. Martin Luther King Jr. Blvd. Tampa, Florida	Gas station	298625414	Petroleum	Yes	Passed compliance inspection on 4/5/89	Partially within	Medium
25	U-Haul 2311 N. 18th St. Tampa, Florida	Truck rental and gas pumps	298625612	Petroleum	Yes	No odor detected in monitor wells	50 feet	Low
26	Royal Station 2040 E. 14th Ave. Tampa, Florida	Gas station	298627858	Petroleum	Yes	Contamination reported EDI #2949951, eligible for state cleanup	Completely within	Medium
27	McKinney's Garage 2106 15th Ave. Tampa, Florida	Automotive service	None	Petroleum	No	None reported	50 feet	Low
28	Vacant building 2604 22nd St. Tampa, Florida	Former gas station	None	Petroleum	Unknown	None reported	50 feet	Low
29	Hardee's Rest. 2101 13th Avenue Tampa, Florida	Former gas station	None	Petroleum	No	None reported	10 feet	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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
30	Gas Kwick 2501 N. 22nd St. Tampa, Florida	Gas station	298625735	Petroleum	Yes	Contamination reported EDI #292828 eligible for state cleanup	Completely within	Medium
31	Amoco 2207 13th Ave. Tampa, Florida	Gas station	298625038	Petroleum	Yes	Contaminated soil and groundwater reported to EPC	20 feet	Medium
32	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
33	Warehouse 14th Ave. & 31st St. Tampa, Florida	Warehouse with a gas pump	None	Petroleum	Yes	None reported	10 feet	Medium
34	Tampa Electric Co. 13th Avenue and CSX Transportation Tampa, Florida	Substation	None	Polychlorinated biphenyls (PCB)	No	None reported	Partially within	Medium
35	Tampa Electro Plating Co. 3005 E. 10th Ave. Tampa, Florida	Metal plating facility	None	Metals and solvents	Yes	None reported	Completely within	Medium
36	Petro Systems 9th Avenue Tampa, Florida	Petroleum storage	None	Petroleum products	Yes	None reported	Completely within	Medium
37	Florida Auto Parts 3008 7th Avenue Tampa, Florida	Auto parts sales and service	None	Petroleum and solvents	No	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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-M*</u>	<u>Risk Rating</u>
38	Anthony Distributors 2900 7th Avenue Tampa, Florida	Beer distributor and gas pumps	298625445	Petroleum	Yes	Contamination reported EDI #292469 eligible for state cleanup	400 feet	Low
39	L and C Body Shop 3104 7th Avenue Tampa, Florida	Auto body shop and former gas station	None	Petroleum	Yes	None reported	75 feet	Medium
40	Strong Equipment, Inc. 2810 5th Avenue Tampa, Florida	Metal works facility	None	Metal, acids and oils	No	None reported	90 feet	Low
41	Sani-Med, Inc. 1609 N. 31st street Tampa, Florida	Medical waste disposal company formerly Scrap-All, Inc.	None	Petroleum	Yes	None reported	50 feet	Medium
42	Former Disposall Fac. 4th Avenue Tampa, Florida	Vacant business formerly, a waste disposal facility	None	Metals, pesticides and solvents	No	None reported	Completely within	Medium
43	Scap-All, Inc. 2801 4th Avenue Tampa, Florida	Metal recycling	None	Metals, solvents, and PCB's	No	None reported	50 feet	Low
44	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	None 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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
45	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	FDER 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
46	Redi-Strip 2402 35th Street Tampa, Florida	Furniture & metal stripping	Small quantity hazardous waste generator 4029P80616	Solvents & paints	No	FDER reported 10/16/89 that the site properly disposed of its waste	Completely within	Medium
47	Industrial Supply Corporation 2620 N. 35th St. Tampa, Florida	Warehouse	None	Industrial chemicals	No	None reported	Partially within	Medium
48	Clorox 3601 E. Columbus Dr. Tampa, Florida	Warehouse & distribution center	Small quantity hazardous waste generator 4029P01139	Sodium hypochlorite	Yes	FDER reported 5/19/82 that the site did not generate hazardous waste and was well maintained	125 feet	Low
49	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>FDER I.D. Number</u>	<u>Potential Hazardous Materials</u>	<u>Storage Tanks</u>	<u>Regulatory Enforcement/Contamination</u>	<u>Approximate Distance From R-O-W*</u>	<u>Risk Rating</u>
50	Vacant Warehouse 2211 N. 38th St. Tampa, Florida	Former plastic manufacturer	None	Petroleum and plastic	No	None reported	25 feet	Low
51	Tampa Forklift 4315 E. Columbus Dr. Tampa, Florida	Forklift service	None	Petroleum	Yes	None reported	25 feet	Low
52	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
53	Circle K 2924 N. 50th St. Tampa, Florida	Gas station	298624837	Petroleum	Yes	None reported	10 feet	Low
54	United 500 Petroleum 2500 50th St. Tampa, Florida	Gas station	298509079	Petroleum	Yes	Contamination reported EDI #290494 eligible for state cleanup	Partially within	Medium

---

\* Distance from the proposed right-of-way to the potential hazardous material source.

TABLE 1

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

Definition of 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 (DER 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.



## 6.0 SITE DISCUSSIONS

The section provides brief, individual discussions for each of the sites. "Medium" sites are those recommended for additional investigations because they present some potential risk to impact the Master Plan project. "Low" rated sites, are not expected to impact the project.

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 FDER as a small quantity hazardous waste generator. A hazardous waste compliance inspection conducted on July 17, 1987 by FDER 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 lead to the case being closed on February 8, 1989. FDER and EPC have no records on the underground storage tanks associated with the previous gas station. It is not known if the tanks still remain at the site. No right-of-way acquisition is proposed for this site.

Site No. 2 (Automan Engine Exchange) - is located at the southwest corner of Armenia Avenue and Laurel Street, and is an automotive service facility and a former gas station. FDER 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. I-275 right-of-way acquisition is planned for the entire site.

Site No. 3 (Phillips 66-Armenia) - is located along the southeast corner of Armenia Avenue and Laurel Street, and is a gas station. Groundwater contamination was reported to FDER and the site is eligible for Early Detection Incentive (EDI) state cleanup. On January 31, 1990, EPC reported that the northwest monitor well contained one-quarter inch free product and that this product is regularly bailed from the wells. I-275 right-of-way acquisition is planned for the entire site.

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

Site No. 5 (Texaco) - is located at the northeast corner of Green Street and Howard Avenue, and is a gas station. No right-of-way acquisition is planned for this site.

Site No. 6 (Former Williams Ray Funeral Home) - is located at the northeast corner of Laurel Street and Albany Avenue. FDER has no record of hazardous waste generation at this facility. The entire site is planned for I-275 right-of-way acquisition.

Site No. 7 (Green Street Auto Service) - is located along the north side of Green Street between Fremont Avenue and Rome Avenue. FDER 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.

Site No. 8 (Blanco Fuel Oil) - is located at the northwest corner of La Salle Street and Rome Avenue, and is a heating oil storage facility. The site is registered with FDER and no soil or groundwater contamination has been reported. No right-of-way acquisition is planned at this site.

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

Site No. 10 (Mr. Woods Automotive Repair) - is located at the northwest corner of La Salle Street and Delaware Avenue, and is an automotive service business and a former gas station. FDER 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. I-275 right-of-way acquisition is planned adjacent to the site's northern boundary.

Site No. 11 (Tampa Blueprint) - is located at the southeast corner of Florida Avenue and Scott Street, and is a print shop. The facility is not registered with FDER as a small quantity hazardous waste generator. However, print shops normally generate waste solvents and inks. I-275 right-of-way acquisition is planned for the entire site.

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 FDER nor EPC has any record of environmental contamination at this site. However, polychlorinated biphenyls (PCB's) contamination is often associated with substations because PCB's were previously used in transformers. I-275 right-of-way acquisition is planned for the entire site.

Site No. 13 (Vacant gas station) - is located at the southwest corner of Scott Street and Orange Street, and is a former gas station. Groundwater contamination was reported to FDER and the site is eligible for EDI state cleanup. The underground storage tanks were removed in 1977. Complete right-of-way acquisition is planned for this site.

Site No. 14 (Automotive Air Condition) - is located along Cass Street and east of Jefferson Street, and is an automotive service facility. FDER 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.

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 FDER as a small quantity hazardous waste generator. This site is planned for partial right-of-way acquisition associated with a proposed parking structure.

Site No. 16 (General Auto Repair) - is located at the southwest corner of Columbus Drive and Nebraska Avenue. FDER 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.

Site No. 17 (Coastal Mart #643) - is located at the southeast corner of Nebraska Avenue and 15th Avenue, and is a gas station. The site is registered with FDER and no soil and/or groundwater contamination has been reported. No right-of-way acquisition is proposed for this site.

Site No. 18 (All Your Equipment Needs) - is located at the northeast corner of Nebraska Avenue and 14th Avenue, and is an automotive service center and a former gas station. FDER 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. I-275 right-of-way acquisition is planned for the entire site.

Site No. 19 (Graham Welding) - is located along the south side of Columbus Drive between 10th Street and 12th Street. FDER has no record of waste generation at this site. However, welding usually generates waste degreasers. No right-of-way is proposed for this site.

Site No. 20 (Danny's Generators and Starters) - is located at the southwest corner of Columbus Drive and 12th Street, and is an auto parts repair facility. FDER has no record of waste generation at this facility. However, waste oil and degreasers are likely generated at the facility. No right-of-way acquisition is planned at this site.

Site No. 21 (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. The site has four underground storage tanks that contain gasoline and generator fuel. The site is registered with FDER and no contamination has been reported. However, EPC inspected the site on July 3, 1989 and reported that the tanks were not in use and were not properly abandoned. Complete right-of-way acquisition is planned for this site.

Site No. 22 (Vacant Gas Station) - is located at the northeast corner of Floribraska Avenue and Elmore Street. This site is not registered with FDER and it is not known if soil and/or groundwater contamination exists. However, no right-of-way acquisition is planned at this site.

Site No. 23 (AnswerRite) - is located at the northeast corner of Dr. Martin Luther King, Jr. Boulevard and Marguerite Street and is a former gas station site. The site is registered with FDER, the underground storage tanks have been removed and no contamination has been detected. Right-of-way acquisition for a stormwater pond is planned for the site.

Site No. 24 (Chevron) - is located at the northeast corner of Dr. M. L. King Jr. Boulevard and Taliaferro Avenue, and is a gas station. EPC reported on April 5, 1989 that the facility was in compliance with underground storage tank regulations. However, the site is planed for partial I-275 right-of-way acquisition.

Site No. 25 (U-Haul) - is located along the south side of 13th Avenue between 18th Street and 19th Street, and is a truck rental facility with gasoline storage. The site is registered with FDER and no contamination has been reported. No right-of-way acquisition is planned at this site.

Site No. 26 (Royal Station) - is located at the northwest corner of 14th Avenue and 21st Street, and is a gas station. Groundwater contamination was reported to FDER and the site is eligible for EDI state cleanup. I-4 right-of-way acquisition is planned for the entire site.

Site No. 27 (McKinney's Garage) - is located along the north side of 15th Avenue between 21st Street and 22nd Street, and is an automotive service facility. FDER has no record of waste generation at this facility. However, auto service facilities usually generate waste oil and used batteries. No right-of-way acquisition is proposed for this site.

Site No. 28 (Vacant Building) - is located at the northwest corner of 15th Avenue and 22nd Street, and is a former gas station. The facility is not registered with FDER and the status of the underground storage tank is unknown. However, no right-of-way acquisition is proposed for this site.

Site No. 29 (Hardee's Restaurant) - is located along the south side of 13th Avenue between 21st Street and 22nd Street, and is a former gas station site. The site is not registered with FDER and the status of the underground storage tank is unknown. However, no right-of-way acquisition is planned for this site.

Site No. 30 (Gas Kwick) - is located at the northeast corner of 22nd Street and 14th Avenue, and is a gas station. Groundwater contamination was reported to FDER and the site is eligible for EDI state cleanup. EPC reported on October 24, 1990 that free product was present in the southwest monitor well. Complete I-4 right-of-way acquisition is planned for this site.

Site No. 31 (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. Right-of-way acquisition is not planned for this site; however, a stormwater management pond is planned for the parcel directly east of the site.

Site No. 32 (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. I-4 right-of-way acquisition is planned for the entire site.

Site No. 33 (Warehouse) - is located at the northeast corner of 14th Avenue and 31st Street, and is a unnamed warehouse with a gas pump. FDER 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 property acquisition will include the warehouse and up to 10 feet away from the gas pump.

Site No. 34 (Tampa Electric Company) - is located at the southwest corner of 13th Avenue and CSX railroad, and is an electric substation. Neither FDER nor EPC has any record of environmental contamination at this site. However, polychlorinated biphenyls (PCB's) contamination is often associated with substations because PCB's were previously used in transformers. Partial right-of-way acquisition is planned for this site.

Site No. 35 (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 FDER 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. FDER and EPC have no record on underground storage tanks at the site. Crosstown Connector right-of-way acquisition is planned for the entire site.

Site No. 36 (Petro Systems) - 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. The tanks appear to be steel and have large patches of rust on them. Neighboring businesses report that the storage tanks previously contained new fuel, but that the tanks now contained waste oil that is regularly delivered in unmarked tanker trucks. Crosstown Connector right-of-way acquisition is planned for the entire site.

Site No. 37 (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. I-4 right-of-way acquisition is planned for the entire site.

Site No. 38 (Anthony Distributors) - is located along the north side of 7th Avenue between 29th Street and 31st Street, and is a beer distributor with gasoline storage. Groundwater contamination was reported to FDER and the site is eligible for EDI state cleanup. However, the closest planned right-of-way acquisition is over 400 feet away from the storage tanks.

Site No. 39 (L and C Body Shop) - is located along the north side of 7th Avenue between 31st Street and 32nd Street, and is a autobody repair shop and a former gas station. FDER and EPC have no records on the underground storage tanks at this site. It is not known if the storage tanks still remain in place or whether soil or groundwater contamination has occurred. Crosstown Connector right-of-way acquisition is planned on the west side of 31st Street.

Site No. 40 (Strong Equipment, Inc.) - 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.



Site No 41 (Sani-Med, Inc.) - is located along the east side of 31st Street between CSX Transport and 5th Avenue and is a medical waste incineration facility. Sani-Med has been at this location for five years. The facility maintains one aboveground storage tank containing diesel fuel for the incinerator. A short section of underground piping connects the tank to the incinerator. The site does not produce any hazardous waste; the only waste product are non-hazardous ashes.

Overall Sani-Med's operations do not appear to present a significant source of soil or groundwater contamination; however, prior to Sani-Med, Scrap-All occupied this location. 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 left the location the pit was filled with sand. Currently, the sand in this pit is oil stained. Sani-Med employees also suspect Scrap-All maintained an underground storage tank adjacent to 31st Street based on the appearance of the scarred concrete. Neither FDER or EPC have any records on underground storage tanks at this site. This site is 25 feet east of the planned Crosstown Connector right-of-way acquisition.

Site No. 42 (Former Disposal 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. FDER and EPC have no records of contamination at this site. However, trash was previously separated and stored at this site. Complete Crosstown Connector right-of-way acquisition is planned for this site.

Site No. 43 (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.

Site No. 44 (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 top of an unpaved surface. Any fluid leakage from the engines and appliances 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.

Site No. 45 (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. Also FDER has reported that the business properly disposes of their waste. Approximately five feet of right-of-way acquisition is planned along Adamo Drive.

Site No. 46 (Redi-Strip) - 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 FDER 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. Complete right-of-way acquisition is planned for this site.

Site No. 47 (Industrial Supply Corporation) - 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. FDER and EPC have no records on storage tanks or hazardous waste disposal at this site. As such the condition of this facility is unknown. I-4 right-of-way acquisition is planned for the southern 150 feet of the site.

Site No. 48 (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 FDER as a small quantity hazardous waste generator; however, no waste is generated, the registration is only for emergency spills. No right-of-way acquisition is planned for this site.

Site No. 49 (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. FDER has no record of waste generation at this facility. No right-of-way acquisition is proposed for this site.

Site No. 50 (Vacant Warehouse) - is located along the north side of 11th Avenue between 38th Street and 39th Street, and is a former plastic manufacturing facility. FDER has no record of waste generation at this facility. No right-of-way acquisition is planned for this site.

Site No. 51 (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. FDER has no record of waste generation at this facility. Less than 10 feet of I-4 right-of-way acquisition is proposed for this site.

Site No. 52 (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 FDER and the site is eligible for EDI cleanup reimbursement. EPC reported on January 12, 1990 that free product was present in the monitor wells. Right-of-way acquisition is not planned for this site; however, a stormwater management pond is planned for the parcel directly north of the site and 10 feet away from the underground storage tanks.

Site No. 53 (Circle K) - is located at the southwest corner of 50th Street and 21st Avenue, and is a gas station. The business is registered with FDER and no contamination has been reported. Right-of-way acquisition is planned west of the business.

Site No. 54 (United 500 Petroleum) - is located at the northwest corner of 50th Street and 14th Avenue, and is a gas station. Groundwater contamination was reported to FDER and the site is eligible for state cleanup. EPC reported on June 22, 1990 that the northeast and southeast monitor wells contain free product. This site is completely within the I-4 proposed right-of-way.

## 7.0 RECOMMENDATIONS

In accordance with FDOT guidelines, Level II hazardous material investigations are recommended at all "Medium" rated sites in order to verify the existence of soil or groundwater contamination which could 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 FDER and EPC files to review the current status of any known and/or any new contamination at these sites. Following the regulatory file update, subsurface investigations are recommended. 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 hazardous material survey are based upon preliminary information only and are not intended to replace more detailed studies such as subsurface soil or groundwater investigations. Rather, this survey is intended as a guide for identifying potential hazardous material sites in the TIS 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. Finally, it should be noted that potential hazardous materials 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 FDER stationary tank registration and hazardous waste generator programs.

## BIBLIOGRAPHY

Stationary Tank Inventory System, State of Florida Department of Environmental Regulation, June 18, 1990.

Stationary Tank Inventory System, Contamination Detail Report, State of Florida Department of Environmental Regulation, June 18, 1990.

Stationary Tank Inventory System, Site Cleanup Ranking Report, State of Florida Department of Environmental Regulation, June 18, 1990.

Groundwater Management System, Hazardous Waste Quick Look, State of Florida Department of Environmental Regulation, June 18, 1990.

The Sites List, Summary Status Report, State of Florida Department of Environmental Regulation, June 1, 1988 - December 31, 1988, February 1989.

PD&E Potential Contamination Risk Evaluation Guidelines, Revision 1 (January 27, 1989), Florida Department of Transportation District 7, February 1, 1989.

Tampa City Directory, R.L. Polk & Company Publishers, 1903, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980 and 1988.

County Government Hazardous Waste Management Assessment for Hillsborough County, prepared for Hillsborough County and the Tampa Bay Regional Planning Council, prepared by Environmental Science and Engineering, Inc., October 1984.

## **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  
R. Iyer  
J. C. Kraft  
D. May  
J. Murphy  
J. Temple  
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

Page 2 of 6  
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

Page 3 of 6  
REVISION 2  
2/05/90

RISK COMPONENT	POINT ASSIGNMENT	RISK RATING	DESCRIPTION
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 proposed right-of-way.
	** 5 Points	( HIGH )	High rating not applicable under this classification.

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

## SK EVALUATION GUIDELINE

Page 4 of 6  
REVISION 2  
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 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 CUMULATIVELY 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 CUMMULATIVELY EARNING 19 POINTS OR MORE SHALL REQUIRE FURTHER ENVIRONMENTAL EVALUATION.

**APPENDIX B**

**STORAGE TANK REGISTRATION DATA**

APPENDIX B

STORAGE TANK REGISTRATION DATA

Site Number	Site Name and Address	FDER I.D. Number	Tank Number	Capacity (gal.)	Installed (Year)	Contents	Construction	Monitor Wells
3	Phillips 66-Armenia 1414 N. Armenia Ave. Tampa, Florida 33607	298625485	1* 2* 3* 4* 5 6 7	6,000 6,000 6,000 6,000 10,000 10,000 10,000	Unknown Unknown Unknown Unknown 1989 1989 1989	Unleaded gas Unleaded gas Leaded gas Diesel Unleaded gas Unleaded gas Unleaded gas	Steel Steel Steel Steel Fiberglass Fiberglass Fiberglass	Yes
8	Blanco Fuel Oil 1701 La Salle Street Tampa, Florida 33607	298735467	NO INFORMATION					
13	Bazarte/Rene 801 E. Scott Street Tampa, Florida 33602	298732385	1* 2* 3*	1,000 1,000 1,000	Unknown Unknown Unknown	Empty Empty Empty	Unknown Unknown Unknown	No
16	Genes Service 2318 N. Nebraska Ave. Tampa, Florida 33603	298625737	1** 2** 3**	1,000 1,000 1,000	1963 1963 1963	Leaded gas Unleaded gas Unleaded gas	Steel Steel Steel	No
17	Coastal Mart #643 2309 N. Nebraska Ave. Tampa, Florida 33602	298508941	1* 2* 3*	6,000 6,000 5,000	1969 1969 1969	Leaded gas Unleaded gasohol Unleaded gasohol	Steel Steel Steel	Yes
20	Latin American Service 1023 E. Columbus Dr. Tampa, Florida 33605	298508982	1** 2** 3** 4** 5** 6**	1,060 1,060 1,060 1,060 1,000 250	1975 1975 1975 1975 Unknown 1975	Unleaded gas Unleaded gas Unleaded gas Unleaded gas Unleaded gas Used oil	Steel Steel Steel Steel Steel Steel	Yes
21	Tampa Fire Dept. Alarm Signal Building 2904 Mitchell Ave. Tampa, Florida 33602	298732454	1 2 3 4	Unknown Unknown 280 1,000	1953 1953 1953 1983	Leaded gas Leaded gas Generator diesel Generator diesel	Steel Steel Steel Steel	Yes



APPENDIX B

STORAGE TANK REGISTRATION DATA  
(Continued)

<u>Site Number</u>	<u>Site Name and Address</u>	<u>FDR I.D. Number</u>	<u>Tank Number</u>	<u>Capacity (gal.)</u>	<u>Installed (Year)</u>	<u>Contents</u>	<u>Construction</u>	<u>Monitor Wells</u>
23	Answerite 510 E. Buffalo Ave. Tampa, Florida 33603	298732454	1* 2* 3* 4* 5* 6*	10,000 10,000 4,000 4,000 4,000 550	Unknown Unknown Unknown Unknown Unknown Unknown	Leaded gas Leaded gas Unleaded gas Unleaded gas Unleaded gas Used oil	Steel Steel Steel Steel Steel Steel	Yes
24	Chevron #48117-Deans 802 E. Buffalo Ave. Tampa, Florida 33603	298625417	1 2 3 4	1,000 10,000 10,000 10,000	1982 1982 1982 1982	Used oil Unleaded gas Unleaded gas Unleaded gas	Fiberglass Fiberglass Fiberglass Fiberglass	Yes
25	U-Haul of Central Tampa 2311 N. 18th Street Tampa, Florida 33605	298625612	1 2	4,000 6,000	1977 1978	Unleaded gas Leaded gas	Steel Steel	No
26	Royal Station 2040 14th Ave. E. Tampa, Florida 33605	298627858	1 2 3 4	8,000 8,000 8,000 8,000	1981 1981 1981 1981	Unleaded gasohol Leaded gas Unleaded gas Diesel	Steel Steel Steel Steel	No
30	Gas Kwick 2501 N. 22nd Street Tampa, Florida 33605	298625735	1 2 3 4 5 6	6,000 6,000 6,000 6,000 550 550	1967 1967 1967 1967 1967 1967	Diesel Leaded gas Unleaded gas Unleaded gas Other Other	Steel Steel Steel Steel Steel Steel	Yes
31	Shell-Alan Dale 2207 13th Ave. Tampa, Florida 33605	298625038	1 2 3	9,403 9,403 9,403	1983 1983 1983	Unleaded gas Leaded gas Unleaded gas	Fiberglass Fiberglass Fiberglass	Yes
32	Massey Metals Co. 2009 N. 22nd Street Tampa, Florida 33605	298625331	1*	1,600	Unknown	Leaded gas	Steel	No

APPENDIX B

STORAGE TANK REGISTRATION DATA  
(Continued)

Site Number	Site Name and Address	FDER I.D. Number	Tank Number	Capacity (gal.)	Installed (Year)	Contents	Construction	Monitor Wells
38	Anthony Distributors 2900 7th Avenue Tampa, Florida 33605	298625445	1 2 3	6,000 8,000 6,000	1983 1983 1983	Diesel Diesel Unleaded gas	Steel Steel Steel	Yes
45	Walker Co. 1110 35th Street Tampa, Florida 33675	298625371	1**	1,000	1970	Leaded gas	Steel	Yes
46	Industrial Chemical and Supply 3520 Adamo Dr. Tampa, Florida 33675	298627232	1**	2,000	1966	Diesel	Unknown	No
54	Starvin Marvin #90 2602 N. 50th Street Tampa, Florida 33619	298625572	1 2 3 4	12,000 12,000 10,000 8,000	1982 1982 1982 1982	Diesel Unleaded gas Unleaded gas Unleaded gas	Steel Steel Steel Steel	Yes
55	Little General Food Store 2924 N. 50th Street Tampa, Florida 33619	298624837	1 2 3 4	1,000 1,000 1,000 1,000	1984 1984 1984 1984	Diesel Unleaded Gas Unleaded Gas Leaded Gas	Steel Steel Steel Steel	Yes
56	United 500 #507 2502 N. 50th Street Tampa, Florida 33619	298509079	1 2 3 4 5 6 7	4,000 4,000 4,000 4,000 4,000 4,000 4,000	1976 1976 1976 1976 1965 1965 1965	Leaded gas Leaded gas Unleaded gas Kerosene Unleaded gas Diesel Diesel	Steel Steel Steel Steel Steel Steel Steel	Yes

\* Storage tank has been excavated.

\*\* Storage tank has been abandoned in place with a solid filling.

Source: FDER STI-02 Stationary Tank Inventory, June 18, 1990.

**APPENDIX C**  
**CONTAMINATION RISK RATING**

APPENDIX C

CONTAMINATION RISK RATING

<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>
1	Saleni's Body Shop	2	0	4	4	2	2	14	Medium
2	Automan Engine Exchange	0	4	4	4	2	0	14	Medium
3	Phillips 66-Armenia	0	4	4	2	2	4	16	Medium
4	Vacant Restaurant	0	2	2	2	2	0	8	Low
5	Texaco	0	2	2	2	2	0	8	Low
6	Former Williams Ray Funeral Home	4	0	3	2	2	0	11	Low
7	Green Street Auto Service	0	2	2	2	2	0	8	Low
8	Blanco Fuel Co.	0	2	2	2	2	0	8	Low
9	Tampa Electric Co.	4	0	4	3	2	0	13	Medium
10	Mr. Woods Automotive Repair	0	2	4	4	3	0	13	Medium
11	Tampa Blueprint	4	0	4	3	2	0	13	Medium
12	Tampa Electric Co.	4	0	4	3	2	0	13	Medium
13	Vacant gas station	0	4	4	2	2	4	16	Medium
14	Automotive Air Condition	0	4	4	4	2	0	14	Medium
15	Thornton Laboratories	4	0	4	4	2	0	14	Medium

APPENDIX C

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>
16	General Auto Repair	0	2	2	2	2	0	8	Low
17	Coastal Mart	0	2	3	2	2	3	12	Low
18	All Your Equipment Needs	0	4	3	4	2	0	13	Medium
19	Graham Welding	0	2	2	2	2	0	8	Low
20	Danny's Generators and Starters	0	2	2	2	2	0	8	Low
21	Tampa Fire Dept. Alarm Signal Building	0	4	4	4	2	0	14	Medium
22	Vacant gas station	0	2	2	2	2	0	8	Low
23	AnswerRite	0	2	2	2	2	0	8	Low
24	Chevron	0	2	2	2	2	0	8	Low
25	U-Haul	0	2	2	2	2	0	8	Low
26	Royal Station	0	4	4	4	2	4	18	Medium
27	McKinney's Garage	0	2	2	2	2	0	8	Low
28	Former gas station	0	2	2	2	2	0	8	Low
29	Hardee's Restaurant	0	2	2	2	2	0	8	Low
30	Gas Kwick	0	4	4	2	2	4	16	Medium

APPENDIX C

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
31	Amoco	0	2	4	2	2	4	14	Medium
32	Massey Metals	0	4	4	3	2	0	13	Medium
33	Warehouse	0	4	4	3	2	0	13	Medium
34	Tampa Electric Co.	4	0	4	4	2	0	14	Medium
35	Tampa Electro Plating Co	4	0	4	4	2	0	14	Medium
36	Petro Systems	0	4	4	4	2	0	14	Medium
37	Florida Auto Parts	0	4	4	4	2	0	14	Medium
38	Anthony Distributors	0	1	3	2	2	4	12	Low
39	Land C Body Shop	0	2	2	2	2	0	8	Low
40	Strong Equipment, Inc.	0	2	2	2	2	0	8	Low
41	Sani-Med, Inc.	0	4	4	3	2	0	13	Medium
42	Former Disposall facility	4	0	4	4	2	0	14	Medium
43	Scrap-All, Inc.	0	2	2	4	2	0	10	Low
44	Sol Walker and Co.	0	4	2	4	3	0	13	Medium
45	Industrial Chemical and Supply	0	2	2	2	2	0	8	Low

APPENDIX C

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>
46	Redi-Strip	4	0	4	4	4	0	16	Medium
47	Industrial Supply Corp.	4	2	4	2	2	0	14	Medium
48	Clorox	2	0	3	2	3	0	10	Low
49	Gulf Coast Lift Trucks	0	2	2	2	2	0	8	Low
50	Vacant Warehouse	2	0	4	2	2	0	10	Low
51	Tampa Forklift	0	2	2	4	2	0	10	Low
52	Starvin Marvin #90	0	4	4	2	2	4	16	Medium
53	Circle K	0	2	2	2	2	0	8	Low
54	United 500 Petroleum	0	4	4	2	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