



Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

February 27, 2009

10 CFR 52.79

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

In the Matter of)
Tennessee Valley Authority)

Docket No. 52-014 and 52-015

**BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR
ADDITIONAL INFORMATION – EVACUATION TIME ESTIMATE**

- References:
- 1) Letter from Brian C. Anderson (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 069 Related to SRP Section 13.03 for the Bellefonte Units 3 and 4 Combined License Application, dated July 11, 2008.
 - 2) Letter from Andrea L. Sterdis (TVA) to Document Control Desk (NRC), Response to Request for Additional Information Letter No. 069, Evacuation Time Estimate for the Bellefonte Units 3 and 4 Combined License Application, dated August 8, 2008.
 - 3) Letter from Jack A. Bailey (TVA) to Document Control Desk (NRC), Response to Request for Additional Information Letter No. 069, Evacuation Time Estimate for the Bellefonte Units 3 and 4 Combined License Application, dated September 17, 2008.
 - 4) Letter from Andrea L. Sterdis (TVA) to Document Control Desk (NRC), Response to Request for Additional Information Letter No. 069, Evacuation Time Estimate for the Bellefonte Units 3 and 4 Combined License Application, dated January 12, 2009.

In Reference 2, TVA provided the NRC with Supplement 1 of the Evacuation Time Estimate (ETE) for the combined license application submitted for Bellefonte Units 3 and 4. Reference 3 updated the response to RAI 13.03-06. Reference 4 provided additional information regarding several RAI responses including Revision 1 of Supplement 1 to the Bellefonte ETE Report. This letter provides a corrected version of Attachment 13.03-01A, Supplement 1, which was originally included with the Bellefonte ETE Report, Revision 1 (Reference 4). The version of this attachment included in Reference 4 did not include revision bars. The revised Attachment 13.03-01A included with this letter supersedes the same attachment provided in Reference 4. Also, at the request of the NRC Staff, included is a CD that included the ETE Supplement, Revision 1, Figure 1-2.

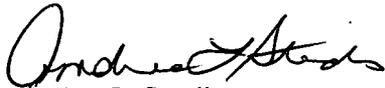
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If you should have any questions, please contact Thomas Spink at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7062, or via email at tespink@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 27th day of Feb, 2009.



Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs
Nuclear Generation Development & Construction

Attachment - Attachment 13.03-01A - Supplement 1 to the Bellefonte ETE Report – 30 Pages

Enclosure
cc: See Page 3

Document Control Desk

Page 3

February 27, 2009

cc: (w/Enclosure)

B.C. Anderson/NRC/HQ
J. P. Berger, EDF
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M.W. Gettler, FP&L
R. C. Grumbir, NuStart
P. S. Hastings, NuStart
P. Hinnenkamp, Entergy
B. Hughes, NRC/HQ
M. C. Kray, NuStart
D. Lindgren, Westinghouse
G. D. Miller, PG&N
M. C. Nolan, Duke Energy
N. T. Simms, Duke Energy
K. N. Slays, NuStart
G. A. Zinke, NuStart

cc: (w/o Enclosure)

M. M. Comar, NRC/HQ
R. G. Joshi, NRC/HQ
R. H. Kitchen, PGN
M. C. Kray, NuStart
A. M. Monroe, SCE&G
C. R. Pierce, SNC
R. Reister, DOE/PM
L. Reyes, NRC/RII
T. Simms, NRC/HQ
J. M. Sebrosky, NRC/HQ

Attachment 13.03-01A

Supplement 1 to the Bellefonte ETE Report

(30 pages including this cover sheet)

Revision 1

Supplement 1

Bellefonte Evacuation Time Estimate

Page 1-9:

- The figure was requested in an electronic file for NRC review of details.

Page 2-5

- Corrected Section 2.3, Assumption 5 as follows: "Access Control Points (ACP) will be staffed within approximately 90 minutes following the siren notifications, to divert traffic attempting to enter the EPZ. Earlier activation of ACP locations would delay returning commuters. It is assumed that no vehicles will enter the EPZ after this 90 minute time period.

Page 2-7:

- Under Item 9, corrected the table entries for Ice from "85%" to "80%".
- Revise footnote 4 to read "Agarwal, M. et. Al. Impacts of Weather on Urban Freeway Traffic Flow Characteristics and Facility Capacity, Proceedings of the 2005 Mid-Continent Transportation Research Symposium, August, 2005.

Page 3-4, Figure 3-1:

- Updated figure by adding county boundaries to the map, labeling Jackson and DeKalb Counties, and adding county boundary to the legend. See updated figure provided in this Errata Sheet.

Page 3-10:

- Added supplemental information to the bottom of the page after the discussion of hotels and motels. "Jackson County Fair. This fair is held annually in Scottsboro in mid-September and attracts a peak population of 9,000 persons from outside the EPZ, traveling in 3600 vehicles. Because this event extends over only 5 days, these estimates are not included in Table 3-3 or in Figures 3-4 and 3-5."

Page 3-16, Figure 3-6:

- Corrected by moving the figure "806" for the ESE, 9-10 mile cell to the ESE, 10-EPZ boundary cell. Corrected the table summarizing employees in the lower left corner of the Figure accordingly. See corrected figure provided in this Errata Sheet.

Page 3-17, Figure 3-7:

- Corrected by moving the figure "783" for the ESE, 9-10 mile cell to the ESE, 10-EPZ boundary cell. Corrected the table summarizing employee vehicles in the lower left corner of the Figure accordingly. See corrected figure provided in this Errata Sheet.

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Page 3-18:

- Corrected the final section “Total Demand in Addition to Permanent Population” to read: “It is assumed that this traffic will continue to enter the EPZ during the first 90 minutes following the Advisory to Evacuate. We assume 300 vehicles per lane per hour; external-external trips have been loaded northbound and southbound on U.S. Highway 72, which are two lanes in each direction. Therefore, we estimate approximately 1,800 vehicles enter the EPZ as external-external trips during the 90 minutes following the Advisory to Evacuate.”

Page 5-4:

- Corrected the Event Description for Event 3 by deleting “to return home” from the Event Description.
- Corrected the descriptions of “Events” and “Activities as follows: Added two bullets to the bottom of the page. Bullet 1: “An Event is a ‘state’ that exists at a point in time (e.g., depart work, arrive home).” Bullet 2: “An Activity is a ‘process’ that takes place over some elapsed time (e.g., prepare to leave work, travel home).”
- Provided clarification of “Events” and “Activities” as follows: Added a paragraph after the 2 bullets, reading: “As such, an Activity changes the ‘state’ of an individual (e.g. the activity, ‘travel home’ changes the state from ‘depart work’ to ‘arrive home’). Therefore, an Activity can be described as an ‘Event Sequence’; the elapsed time to perform an event sequence varies from one person to the next and are described as statistical distributions on the following pages.”

Page 5-5:

- Corrected the 5th column of Table 5-1 as follows: Change “Prepare to leave for evacuation trip” to “Prepare to leave to evacuate.”

Page 5-7:

- Corrected Figure 5-1 to agree with the text on Page 5-5. See corrected figure provided in this Errata Sheet.

Page 5-8:

- Corrected title of Table 5-3 to “Time Distribution for Employees to Prepare to Leave Work.”

Page 5-9:

- Corrected title of Table 5-4 to “Time Distribution for Commuters to Travel Home.”

Page 5-10:

- Corrected title of Table 5-5 to “Time Distribution for Population to Prepare to Evacuate.”

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Bellefonte Evacuation Time Estimate

Page 5-11:

- Corrected “Notification” to “Receive Notification” in legend for Figure 5-2.
- Corrected “Prepare Home” to “Prepare to Leave Home to Evacuate” in legend for Figure 5-2.

Page 5-13:

- Clarified the description of Distribution B in Table 5-7 by adding “(Event 4).”
- Clarified the description of Distribution C in Table 5-7 by adding “(Event 5).”
- Clarified the description of Distribution D in Table 5-7 by adding “(Event 5).”

Page 6-5:

- Corrected the final note under Table 6-3 to indicate that traffic entering the EPZ is stopped by the Access Control Points at 90 minutes following the Advisory to Evacuate.

Page 7-1:

- Supplemented information provided on shadow evacuation by adding the following sentence to the last paragraph: “The permanent resident population estimates are 20,953 persons and 12,393 vehicles within this region.”

Page 7-13:

- Corrected title of table to “Table 7-2. Description of Evacuation Regions.”

Pages 8-6 and 8-7, Section 8.3:

- Supplemented and corrected information provided on special facility populations as follows: Deleted all text under Section 8.3 and added the following text: “Table 8-4 presents the census of special facilities in the EPZ as of October, 2007. Approximately 344 people have been identified as living in, or being treated in, these facilities. This census also indicates the number of wheelchair-bound people and the number of bed-ridden people. The transportation requirements for this group are also presented. The number of ambulance runs is determined by assuming that 2 patients can be accommodated per ambulance trip and the number of bus runs estimated assumes 30 ambulatory patients per trip. Wheelchair buses and vans are often scarce; however, regular buses can be used to transport wheelchair bound patients. Patients would occupy the front portion of the bus and their wheelchairs would be folded and stacked in the back of the bus. Staff at the medical facility would assist the patients in boarding the buses. The capacity of wheelchair buses assumes 15 patients per trip.”

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Page 8-12, Emergency Medical Services (EMS) Vehicles:

- Supplemented available information on evacuation of non-ambulatory persons as follows: Paragraph 1 – deleted “Data on the number of bed-ridden patients was not available, but several ambulance trips will likely be needed for an evacuation of the entire EPZ.”, and added “A total of 18 ambulance runs (Table 8-4) are anticipated for an evacuation of the entire EPZ.”

Page 8-15, Table 8-2:

- 1st Row – “Epruett” corrected to “Ernest Pruett”
- N/A for Ernest Pruett enrollment corrected to 230.
- N/A for Ernest Pruett staff corrected to 26.
- Bus Runs Required for Ernest Pruett corrected from 2 to 5.
- N/A for Jackson County Alternative School enrollment corrected to 20.
- N/A for Jackson County Alternative School staff corrected to 2.
- Bus Runs Required for Jackson County Alternative School corrected from 2 to 0*.
- The totals for Jackson County have been corrected to 4,911, 346, and 84 for enrollment, staff, and bus runs required, respectively.
- The EPZ totals have been corrected to 5,252, 370, and 91 for enrollment, staff, and bus runs required, respectively.
- Deleted “N/A – Not Available; *Assumed number of buses needed” and added “*Students provide their own transportation”.
- See corrected Table 8-2 provided in this Errata Sheet.

Page 8-15, Table 8-3:

- “Epruett” corrected to “Ernest Pruett”

Page 8-16, Table 8-4:

- Updated table by deleting “The Home Place” – phones have been disconnected, no internet record of the facility.
- Corrected table entries by grouping “Highlands Medical Center” and “Jackson County Nursing Home”. They are both included under the Jackson County Health Authority and they share an address.
- “North Jackson Nursing Home” corrected to “Cumberland Health and Rehabilitation” – name recently changed.
- Deleted “Staff” column.

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Bellefonte Evacuation Time Estimate

Page 8-16, Table 8-4 (cont.):

- Supplemented information by adding columns for: "Current Census", "Ambulatory", "Wheelchair Bound", "Bed-ridden", "Ambulance Runs", "Wheelchair Bus Runs", and "Bus Runs".
- Data updated for the columns "Capacity", "Current Census", "Ambulatory", "Wheelchair Bound", "Bed-ridden", "Ambulance Runs", "Wheelchair Bus Runs", and "Bus Runs" for each facility as follows:
 - Cloverdale Healthcare: 141, 138, 58, 52, 28, 14, 4, 2.
 - Highlands Medical Center & Jackson County Nursing Home: 170, 70, 32*, 31*, 7*, 4, 3, 2.
 - Mountain Lakes Behavioral Healthcare: All columns merged and "Outpatient Only" indicated.
 - Cumberland Health and Rehabilitation: 100, 91, 21, 70, 0, 0, 5, 1.
 - Rosewood Manor: 32, 30, 30, 0, 0, 0, 0, 1.
 - Southern Estates Assisted Living; 16, 15, 15, 0, 0, 0, 0, 1.
- Corrected entry for "EPZ Totals" and added "Jackson County and EPZ Totals:"
- Updated columns for Jackson County and EPZ Totals: 459, 344, 156, 35, 18, 12, 7.
- Updated by deleting "N/A = Not Available".
- Updated by deleting "**Details about number of bed ridden, wheel-chair bound, and ambulatory residents not provided."
- Updated table by adding "**Details about number of bed ridden, wheel-chair bound, and ambulatory residents were not available for this facility. The average percentage of bed ridden (10%), wheel-chair bound (45%), and ambulatory patients (45%) found using the totals for the EPZ were used to estimate the census for this facility."
- See updated Table 8-4 provided in this Errata Sheet.

Page E-2:

- Updated date in heading from "April, 2007" to "October, 2007".
- "Epruett" corrected to "Ernest Pruett"
- N/A for Ernest Pruett enrollment corrected to 455*.
- N/A for Ernest Pruett staff corrected to 26.
- Updated consistent with other changes by adding ** after "Jackson County Alternative School" under "School Name" column.

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Page E-2 (cont):

- N/A for Jackson County Alternative School enrollment corrected to 20.
- N/A for Jackson County Alternative School staff corrected to 2.
- Totals for enrollment and staff corrected to 5,477 and 370, respectively.
- Updated by deleting “N/A = Data Not Available” below table.
- Updating by deleting “*The numbers provided were found using Internet searches, County specific data was not provided.”
- Updated by adding “*These students are split up amongst morning and afternoon sessions.”
- Updated by adding “**Students provide their own transportation.”
- See updated table on page 10 provided in this Errata Sheet.

Page E-3:

- Supplemented by adding Figure E-1, a GIS map of all schools within the BLN EPZ. See supplemental figure provided in this Errata Sheet.

Page E-4:

- Corrected by moving former Page E-3 to this location.
- Updated by adding “Cumberland Presbyterian Preschool” to the list of Day Care Centers. See updated table provided in this Errata Sheet.

Page E-5:

- Corrected by moving former Page E-4 to this location.
- Updated date in heading from “April, 2007” to “October, 2007”.
- Updated by deleting “The Home Place” entry.
- Corrected by combining “Highlands Medical Center” and “Jackson County Nursing Home” entries.
- Updated by changing “North Jackson Nursing Home” to “Cumberland Health and Rehabilitation”.
- Corrected phone number for Highlands Medical Center and Jackson County Nursing Home to (256) 259-4444.
- Updated capacity for Highlands Medical Center and Jackson County Nursing Home from N/A to 170.
- Corrected by merging “Capacity” and “Employees” columns for Mountain Lakes Behavioral Healthcare and indicated “Outpatient*”.

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Bellefonte Evacuation Time Estimate

Page E-5 (cont):

- Updated capacity for Rosewood manor from N/A to 32.
- Updated capacity for Southern Estates Assisted Living from N/A to 16.
- Updated employees for the following:
 - Cloverdale Healthcare Inc. – 175
 - Highlands Medical Center & Jackson County Nursing Home – 650
 - Rosewood Manor – 25
 - Southern Estates Assisted Living – 4
- Updated by adding “*This facility is for outpatients only” below the table.
- See updated table provided in this Errata Sheet.

Page E-6:

- Supplemented by adding Figure E-2, a GIS map of all day care centers and medical facilities within the BLN EPZ. See supplemental figure provided in this Errata Sheet.

Page E-7:

- Corrected by moving former Page E-5 to this location.

Page E-8:

- Corrected by moving former Page E-6 to this location.
- Updated address for Witt Heat Transfer Products to “201 Thomas French Dr.”
- Corrected the Distance and Direction for Polymer Industries as they were in the wrong columns.
- See updated table of major employers on page 12 of this memo.

Page E-9:

- Supplemented by adding Figure E-3, a GIS map of all major employers within the BLN EPZ. See supplemental figure provided in this Errata Sheet.

Page E-10:

- Updated the title of the State Parks & Overnight Camps table to “Transient Attractions (As of April 2007).”
- Corrected by adding The Unclaimed Baggage Center to the list of Transient Attractions

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Page E-10 (cont):

- Corrected by moving Pages E-7 and E-8 to this location.
- Updated the title of the hotels table to "Lodging Facilities (As of July 2008)."
- Corrected the "Counry" to "County" in the address for Creekstone Lodge.
- Updated by adding Econo Lodge & Suites to the list of Hotels.
- Updated by adding Scottsboro Days Inn to the list of Hotels.
- See updated tables provided in this Errata Sheet.

Page E-11:

- Supplemented by adding Figure E-4, a GIS map of all lodging facilities and transient attractions within the BLN EPZ. See supplemental figure provided in this Errata Sheet.

Page G-4:

- Revised the number of cones and barricades needed for TCP ID 11-13 to 12 and 14, respectively.
- Revised the number of cones and barricades needed for TCP ID 5-01 to 9 and 0, respectively.
- Revised the number of cones and barricades needed for TCP ID 5-02 to 6 and 10, respectively.
- Revised the number of cones and barricades needed for Jackson County to 177 and 58, respectively.
- Revised the number of cones and barricades needed for the entire EPZ to 180 and 58, respectively.
- See updated table provided in this Errata Sheet.

Page G-6:

- Replaced barricades on USHY 72 with cones.
- Permitted access to Scottsboro High School.
- Updated the manpower/equipment estimates accordingly.
- See updated figure provided in this Errata Sheet.

Page G-7:

- Replaced barricades on USHY 72 with cones.

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Page G-7 (cont.):

- Updated the manpower/equipment estimates accordingly.
- See updated figure provided in this Errata Sheet.

Page G-22:

- Replaced barricades on USHY 72 with cones.
- Updated the manpower/equipment estimates accordingly.
- See updated figure provided in this Errata Sheet.

Page I-2:

- Supplemented by adding a sentence to the end of the first paragraph, reading: "The permanent resident population estimates are 20,953 persons and 12,393 vehicles within this region."

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Table 8-2. School Population Demand Estimates							
ERPA	Distance (miles)	Direction	School Name	Municipality	Enrollment	Staff	Bus Runs Required
Jackson County Schools							
1	2.0	WNW	Ernest Pruett Center of Technology	Hollywood	230*	26	5
1	2.3	WNW	Hollywood Elementary School	Hollywood	205	17	3
1	2.7	WNW	Jackson County Alternative School	Hollywood	20	2	0**
4	4.9	ESE	Pisgah High School	Pisgah	564	35	11
5	6.1	WSW	Brownwood Elementary School	Scottsboro	391	29	6
5	5.3	WSW	Scottsboro High School	Scottsboro	719	51	14
9	9.1	E	Rosalie Elementary School	Pisgah	308	22	4
10	7.5	S	Dutton Elementary School	Dutton	270	18	4
10	9.6	SSW	Section High School	Section	558	36	11
11	7.1	WSW	Caldwell Elementary School	Scottsboro	430	30	6
11	7.7	SW	Collins Elementary School	Scottsboro	455	29	7
11	7.8	WSW	Scottsboro Junior High School	Scottsboro	467	29	9
11	9.6	SW	Thurston T Nelson Elementary School	Scottsboro	294	22	4
<i>Jackson County Totals:</i>					4,911	346	84
DeKalb County Schools							
13	10.5	ESE	Henagar Junior High School	Henagar	341	24	7
<i>DeKalb County Totals:</i>					341	24	7
EPZ Totals:					5,252	370	91

*There are 455 students enrolled at this school, split amongst morning and afternoon sessions.

**Students provide their own transportation

Supplement 1
Bellefonte Evacuation Time Estimate

Table 8-4. Special Facility Transit Demand												
ERPA	Distance (miles)	Direction	Facility Name	Municipality	Capacity	Current Census	Ambulatory	Wheel-chair Bound	Bed-ridden	Ambulance Runs	Wheel-chair Bus Runs	Bus Runs
Jackson County												
11	7.8	WSW	Cloverdale Healthcare Inc.	Scottsboro	141	138	58	52	28	14	4	2
11	7.8	WSW	Highlands Medical Center & Jackson County Nursing Home	Scottsboro	170	70	32*	31*	7*	4	3	2
11	7.8	WSW	Mountain Lakes Behavioral Healthcare	Scottsboro	Outpatient Only							
11	6.2	SW	Cumberland Health and Rehabilitation	Scottsboro	100	91	21	70	0	0	5	1
11	7.6	SW	Rosewood Manor	Scottsboro	32	30	30	0	0	0	0	1
11	9.2	SW	Southern Estates Assisted Living	Scottsboro	16	15	15	0	0	0	0	1
Jackson County and EPZ Totals:					459	344	156	153	35	18	12	7

*Details about number of bed ridden, wheel-chair bound, and ambulatory residents were not available for this facility. The average percentage of bed ridden (10%), wheel-chair bound (45%), and ambulatory patients (45%) found using the totals for the EPZ were used to estimate the census for this facility.

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Bellefonte EPZ: Schools (As of October, 2007)								
ERPA	Distance (miles)	Direction	School Name	Street Address	Municipality	Phone	Enrollment	Staff
JACKSON COUNTY								
1	2.0	WNW	Ernest Pruett Center of Technology	29490 US Highway 72	Hollywood	(256) 574-6079	230*	26
1	2.3	WNW	Hollywood Elementary School	6369 County Road 33	Hollywood	(256) 574-2054	205	17
1	2.7	WNW	Jackson County Alternative School**	594 County Road 42	Hollywood	(256) 574-6446	20	2
4	4.9	ESE	Pisgah High School	60 Metcalf St	Pisgah	(256) 451-3241	564	35
5	6.1	WSW	Brownwood Elementary School	305 Bingham St	Scottsboro	(256) 218-2400	391	29
5	5.3	WSW	Scottsboro High School	25053 John T Reid Pkwy	Scottsboro	(256) 218-2300	719	51
9	9.1	E	Rosalie Elementary School	162 County Road 355	Pisgah	(256) 451-3616	308	22
10	7.5	S	Dutton Elementary School	180 Main St.	Dutton	(256) 228-4265	270	18
10	9.6	SSW	Section High School	141 AL Hwy 71	Section	(256) 228-6718	558	36
11	7.1	WSW	Caldwell Elementary School	905 S Market St	Scottsboro	(256) 218-2500	430	30
11	7.7	SW	Collins Elementary School	102 Legion Dr	Scottsboro	(256) 218-2700	455	29
11	7.8	WSW	Scottsboro Junior High School	1601 Jefferson St	Scottsboro	(256) 218-2300	467	29
11	9.6	SW	Thurston T Nelson Elementary School	202 Ida Moody Rd	Scottsboro	(256) 218-2600	294	22
DEKALB COUNTY								
13	10.5	ESE	Henagar Junior High School	85 Woodview Rd	Henagar	(256) 657-4483	341	24
Total:							5,252	370

*There are 455 students enrolled at this school, split amongst morning and afternoon sessions.
**Students provide their own transportation.

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Bellefonte EPZ: Day Care Centers (As of April 2007)								
ERPA	Distance (miles)	Direction	Name	Street Address	Municipality	Phone	Enrollment	Employees
JACKSON COUNTY								
11	7.1	WSW	Tiny Tot Day Care	827 South Market St	Scottsboro	(256) 574-1483	49	8
11	6.6	WSW	Cumberland Presbyterian Preschool	315 South Kyle St	Scottsboro	(256) 259-0542	84	N/A
11	6.7	WSW	First Baptist Learning Center	215 South Andrews Street	Scottsboro	(256) 574-1012	55	N/A
11	7.3	WSW	First United Methodist	1105 South Broad St	Scottsboro	(256) 574-4051	46	14
11	9.3	SW	Kids Kingdom	3517 South Broad St	Scottsboro	(256) 259-3044	58	5
DEKALB COUNTY								
13	11.6	ESE	Kids Patch	19976 Al Highway 75	Henagar	(256) 657-4187	40	8
Total:							332	35

N/A = Data not Available

Bellefonte EPZ: Medical Facilities & Nursing Homes (As of October 2007)									
ERPA	Distance (miles)	Direction	Facility Name	Street Address	Municipality	County	Phone	Capacity	Employees
11	7.8	WSW	Cloverdale Healthcare Inc	412 Cloverdale Rd	Scottsboro	Jackson	(256) 259-1505	141	175
11	7.8	WSW	Highlands Medical Center & Jackson County Nursing Home	380 Woods Cove Rd	Scottsboro	Jackson	(256) 259-4444	170	650
11	7.8	WSW	Mountain Lakes Behavioral Healthcare	508 Gregory Street	Scottsboro	Jackson	(256) 259-1774	Outpatient*	
11	6.2	SW	Cumberland Health and Rehabilitation	47065 US Highway 72	Scottsboro	Jackson	(256) 437-7260	100	N/A
11	7.6	SW	Rosewood Manor	1513 County Park Rd	Scottsboro	Jackson	(256) 574-4800	32	25
11	9.2	SW	Southern Estates Assisted Living	212 East Stewart Road	Scottsboro	Jackson	(256) 574-4202	16	4
Total:								459	854

*This facility is for outpatients only.

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Bellefonte Evacuation Time Estimate

Bellefonte EPZ: Major Employers (As of April 2007)							
ERPA	Distance (miles)	Dir- ection	Facility Name	Street Address	Municipality	Phone	Empl- oyees
JACKSON COUNTY							
1	-	-	Bellefonte Nuclear Power Plant*	TBD	Hollywood	TBD	750
1	1.8	WNW	Great Western, LLC**	30290 US Highway 72	Hollywood	(256) 259-1079	60
5	5.9	SW	Home Depot	24635 John T Reid Pkwy	Scottsboro	(256) 572-1000	N/A
5	4.9	WSW	Maples Industries, Inc.**	2210 Moody Ridge Rd	Scottsboro	(256) 259-1327	2,128
5	3.8	WSW	Scottsboro Coca Cola Bottling Co.**	26921 John T. Reid Pkwy	Scottsboro	(256) 259-0505	88
9	8.6	SE	Storey Trucking Company**	1420 County Road 422	Scottsboro	(256) 657-3283	130
11	9.9	SW	Associated Pharmacies**	211 Lonnie Crawford Blvd	Scottsboro	(256) 574-6819	55
11	11.3	SW	Crown Machinery**	262 Harbor Dr	Scottsboro	(256) 218-3045	30
11	7.5	WSW	Lozier Corporation**	401 Taylor St	Scottsboro	(256) 259-6100	472
11	11.1	SW	Mason & Dixon Lines**	330 Industrial Park Dr	Scottsboro	(256) 259-6719	200
11	9.9	SW	Maverick Transportation, LLC**	215 Lonnie Crawford Blvd	Scottsboro	(256) 259-3400	130
11	11.3	SW	Meteor Express, Inc.**	875 Harbor Dr	Scottsboro	(256) 218-3000	100
11	9.9	SW	NCI Manufacturing, Inc.**	209 Lonnie Crawford Blvd	Scottsboro	(256) 259-2105	57
11	6.5	WSW	Patrick Lumber Company, Inc.**	615 East Willow St	Scottsboro	(256) 259-2211	45
11	11.3	SW	Performance Fibers, Inc.**	7526 Roy Owens Blvd	Scottsboro	(256) 574-7200	38
11	11.1	SW	Polyamide High Performance, Inc.**	7526 Alabama Hwy 79	Scottsboro	(256) 218-4004	79
11	10.1	SW	Sanoh America, Inc.**	103 Thomas French Dr	Scottsboro	(256) 575-0100	195
11	11.3	SW	Sunrise Express, Inc.**	388 Industrial Park Dr	Scottsboro	(256) 575-0014	80
11	11.1	SW	Valley Industries**	140 Mack Morris Dr	Scottsboro	(256) 259-3636	31
11	10.1	SW	Wenzel Metal Spinning, Inc.**	208 Lonnie Crawford Blvd	Scottsboro	(256) 259-0239	41
11	10.1	SW	Witt Heat Transfer Products**	201 Thomas French Dr	Scottsboro	(256) 259-7400	304
DEKALB COUNTY							
13	10.1	ESE	Polymer Industries**	10526 Alabama Highway 40	Henagar	(256) 657-5197	100
Total:							5,113

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Bellefonte Evacuation Time Estimate

Bellefonte EPZ: Transient Attractions (As of April 2007)									
ERPA	Distance (miles)	Direction	Facility Name	Street Address	Municipality	County	Phone	Persons	Total Vehicles
11	7.5	SW	Jackson County Park	2302 County Park Rd	Scottsboro	Jackson	(256) 574-4719	1,500	612
11	9.9	SW	Crawford Mobile Home/RV Park	4370 South Broad St	Scottsboro	Jackson	(256) 574-5366	28	14
11	12.7	SW	Goose Pond Colony Campsite	417 Ed Hembree Dr	Scottsboro	Jackson	(256) 574-5353	450	200
11	7.4	WSW	Unclaimed Baggage Center	509 W Willow St	Scottsboro	Jackson	(256) 259-1525	254	100
Total:								2,232	926

Bellefonte EPZ: Lodging Facilities (As of July 2008)									
ERPA	Distance (miles)	Direction	Facility Name	Street Address	Municipality	County	Phone	Persons	Vehicles
2	3.1	NNE	Creekstone Lodge	355 County Rd 213	Hollywood	Jackson	(256) 574-1462	48	24
11	6.3	SW	Best Value Inn	46 Micah Way	Scottsboro	Jackson	(256) 259-4300	96	48
11	6.2	WSW	Budget Inn	101 Tupelo Drive	Scottsboro	Jackson	(256) 674-3163	36	18
11	7.2	SW	Comfort Inn	23518 John T Reid Parkway	Scottsboro	Jackson	(256) 594-6740	122	61
11	5.9	WSW	Econo Lodge & Suites*	1401 E Willow St	Scottsboro	Jackson	(256) 574-1010	208	104
11	12.7	SW	Goose Pond Colony	417 Ed Hembree Dr	Scottsboro	Jackson	(256) 574-5353	24	12
11	6.9	WSW	J & W Motel	206 W Willow St	Scottsboro	Jackson	(256) 574-2330	20	20
11	6.3	SW	Jameson Inn	208 Micah Way	Scottsboro	Jackson	(256) 574-6666	61	61
11	6.4	WSW	Liberty Inn	907 E Willow St	Scottsboro	Jackson	(256) 574-1730	60	30
11	11.7	WSW	Scottsboro Days Inn*	1106 John T Reid Parkway	Scottsboro	Jackson	(256) 574-1212	144	72
Total:								819	450

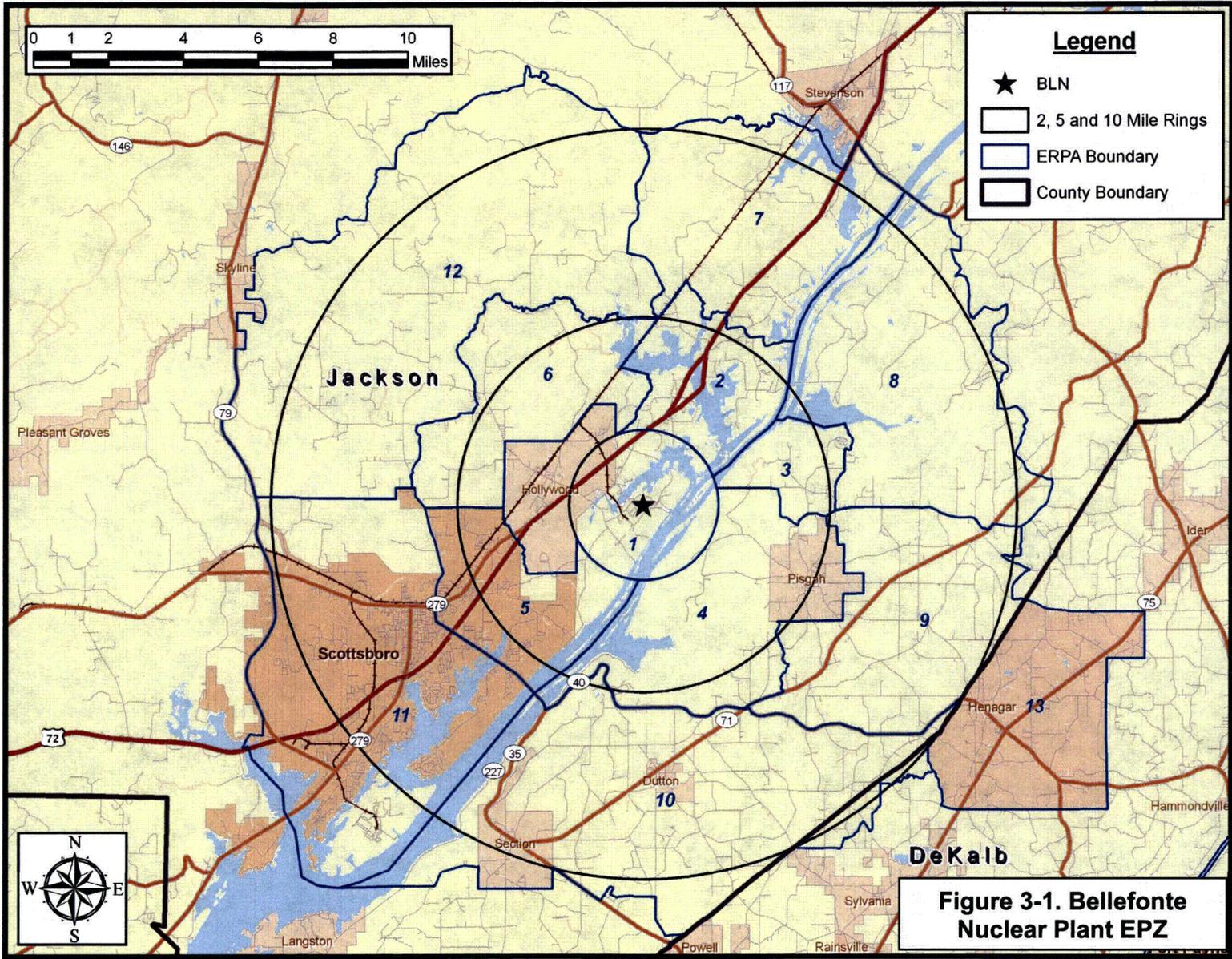
*These hotels were not originally identified by the County. Scottsboro Days Inn is just within the EPZ, while the Econo Lodge & Suites is centrally located in Scottsboro. No change in ETE is anticipated for the additional 176 transient vehicles present at these facilities during peak times. Therefore, Table 3-3, Figures 3-4 and 3-5, the discussion of hotels on Page 3-10 and the Transient Vehicle Totals in Table 6-4 do not reflect these data.

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Bellefonte Evacuation Time Estimate

Table G-1 Traffic Control Point Summary						
TCP ID	Town	Intersection Location	Priority	# of Guides	# of Cones	# of Barricades
JACKSON COUNTY						
1-01	Hollywood	U.S. Hwy 72 & County Rd 33 (Bellefonte Rd)	1	2	0	22
11-01	Scottsboro	State Hwy 279 & State Hwy 35	1	4	6	4
11-02	Scottsboro	State Hwy 35 & U.S. Hwy 72 (S) Ramps	1	3	12	2
11-03	Scottsboro	State Hwy 35 & U.S. Hwy 72 (N) Ramps	1	3	6	4
11-06	Scottsboro	State Hwy 35 & State Hwy 279 (Broad St)	1	2	6	0
11-13	Scottsboro	U.S. Hwy 72 & County Park Rd	1	3	12	14
11-14	Scottsboro	State Hwy 279 & State Hwy 72 (S) Ramps	1	2	6	2
11-15	Scottsboro	State Hwy 35 & State Hwy 79	1	2	6	0
11-16	Scottsboro	State Hwy 79 & State Hwy 279	1	2	18	0
11-17	Scottsboro	State Hwy 79 & U.S. Hwy 72	1	4	9	0
5-01	Scottsboro	U.S. Hwy 72 & Entrance to Scottsboro High School	2	2	9	0
10-01	Dutton	State Hwy 40 & State Hwy 71	2	1	9	0
10-02	Section	State Hwy 35 & State Hwy 71	2	2	6	0
11-05	Scottsboro	State Hwy 35 & Market St	2	2	9	0
11-07	Scottsboro	State Hwy 35 & Houston St	2	2	9	0
11-08	Scottsboro	State Hwy 35 & Cedar St	2	2	6	0
5-02	Scottsboro	U.S. Hwy 72 & Entrance to Walmart Shopping Center	3	3	6	10
11-04	Scottsboro	State Hwy 35 & Entrance to Home Depot	3	3	15	0
11-09	Scottsboro	State Hwy 279 & Charlotte Ave	3	1	6	0
11-10	Scottsboro	State Hwy 279 & Parks Ave	3	1	3	0
11-11	Scottsboro	State Hwy 279 & Cecil St	3	2	9	0
11-12	Scottsboro	State Hwy 279 & Legion St	3	2	9	0
Total Equipment/Manpower for Jackson County:				50	177	58
DEKALB COUNTY						
13-01	Henagar	State Hwy 40 & State Hwy 75	1	1	3	0
Total Equipment/Manpower for DeKalb County:				1	3	0
TOTAL EQUIPMENT/MANPOWER FOR ENTIRE EPZ:				51	180	58

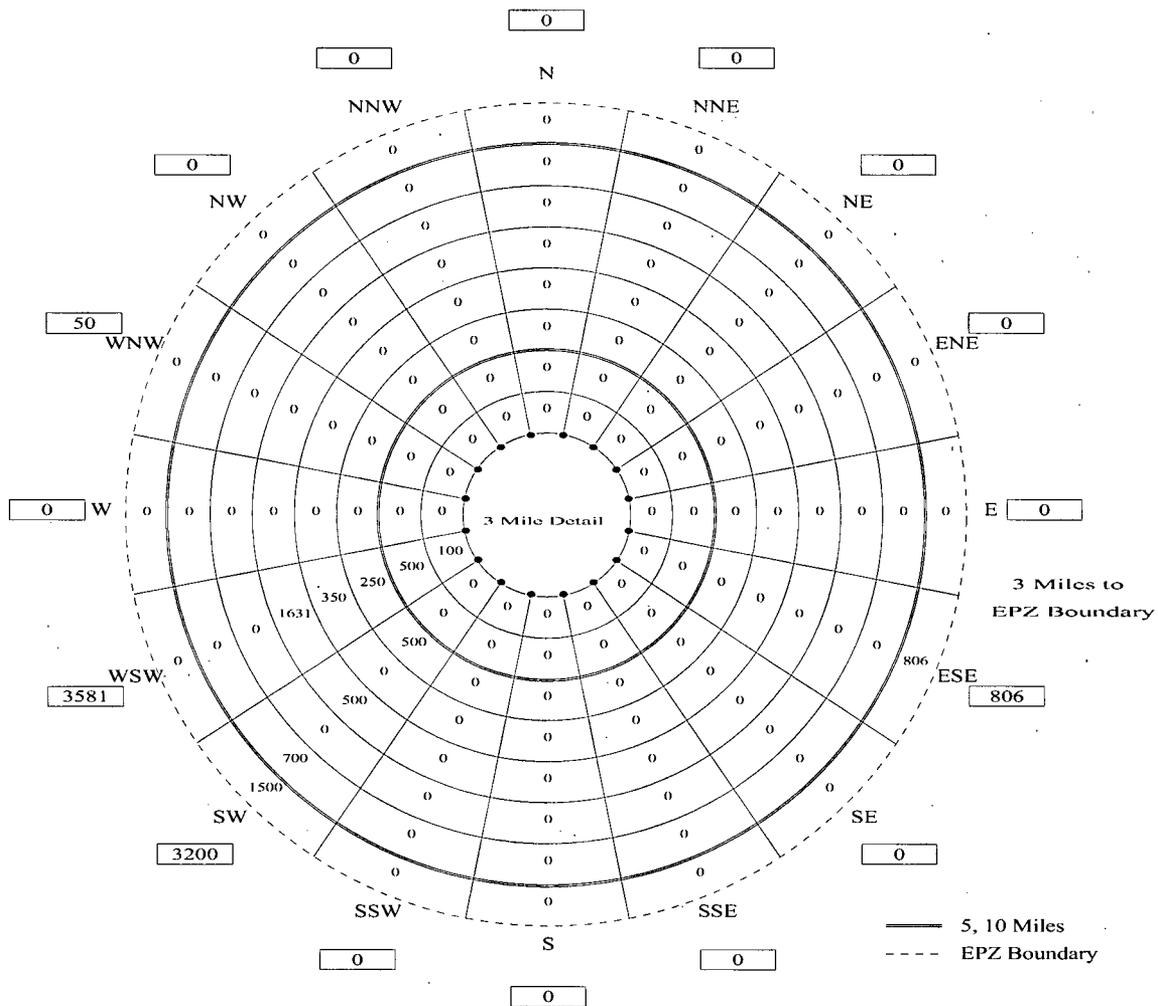
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Bellefonte Evacuation Time Estimate



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Bellefonte Evacuation Time Estimate



Employees			
Miles	Ring Subtotal	Total Miles	Cumulative Total
0-1	750	0-1	750
1-2	50	0-2	800
2-3	0	0-3	800
3-4	100	0-4	900
4-5	500	0-5	1400
5-6	750	0-6	2150
6-7	350	0-7	2500
7-8	2131	0-8	4631
8-9	0	0-9	4631
9-10	700	0-10	5331
10-EPZ	2306	0-EPZ	7637

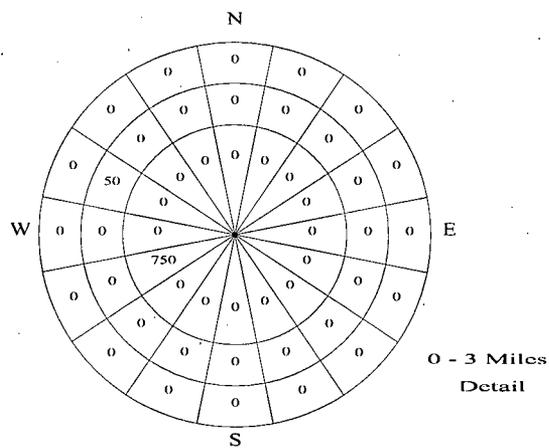
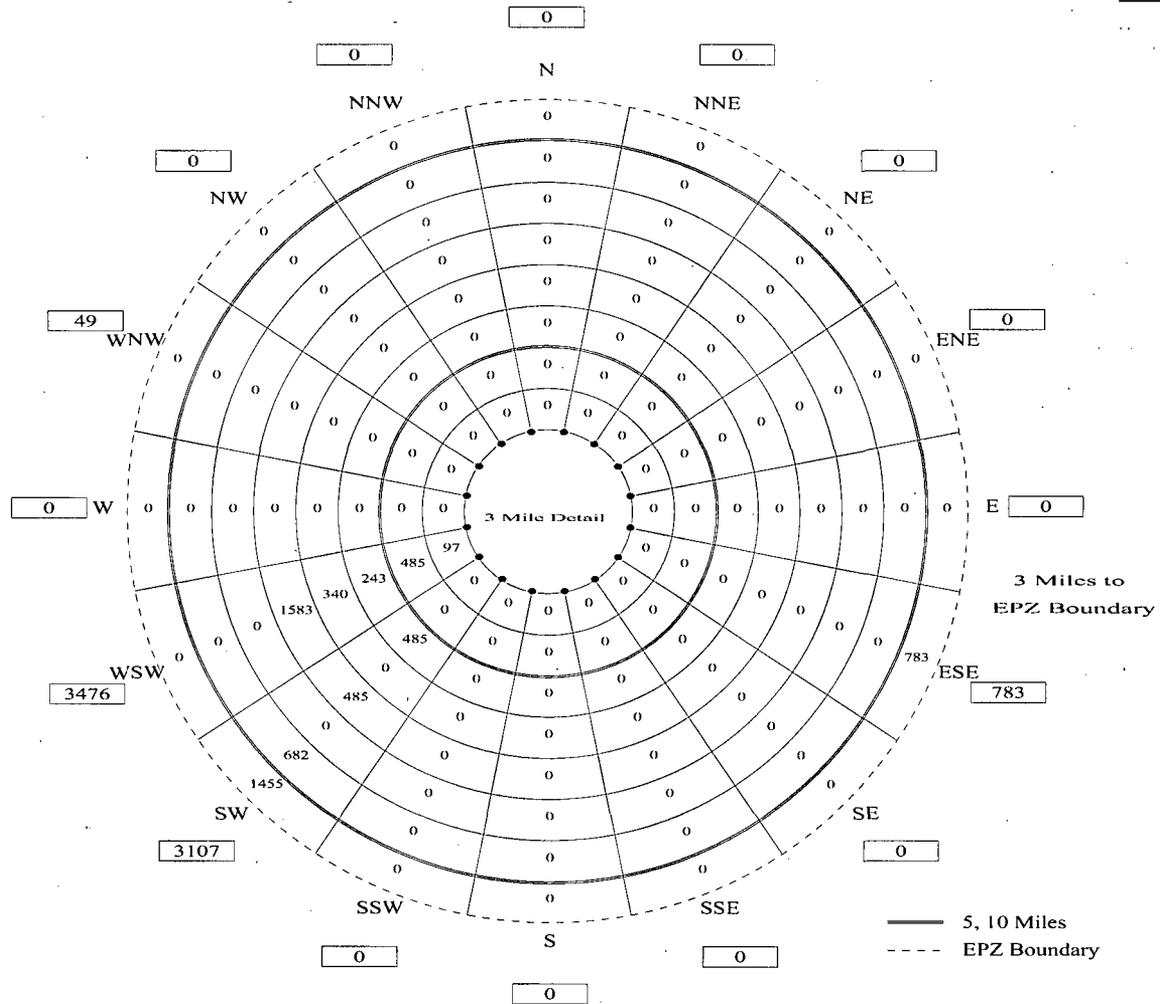


Figure 3-6. Employee Population by Sector

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Bellefonte Evacuation Time Estimate



Employee Vehicles			
Miles	Ring Subtotal	Total Miles	Cumulative Total
0-1	728	0-1	728
1-2	49	0-2	777
2-3	0	0-3	777
3-4	97	0-4	874
4-5	485	0-5	1359
5-6	728	0-6	2087
6-7	340	0-7	2427
7-8	2068	0-8	4495
8-9	0	0-9	4495
9-10	682	0-10	5177
10-EPZ	2238	0-EPZ	7415

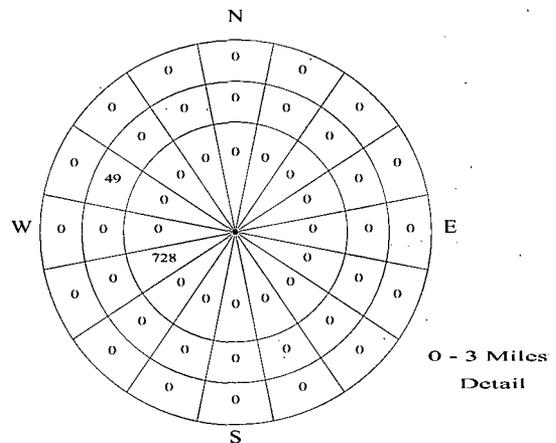
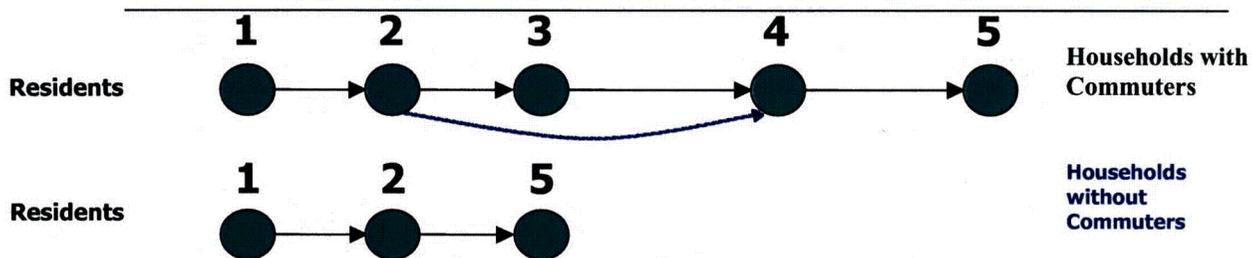
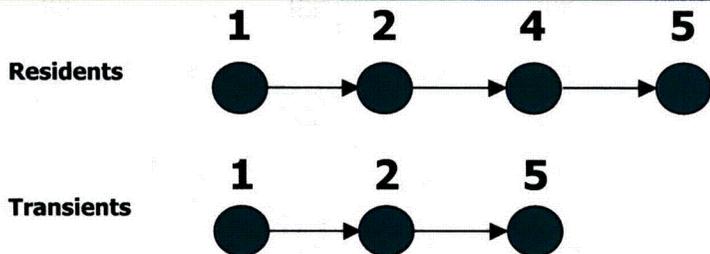


Figure 3-7. Employee Vehicles by Sector

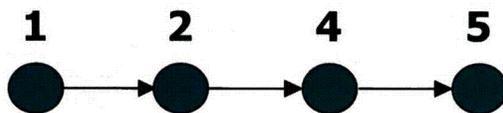
Supplement 1 Bellefonte Evacuation Time Estimate



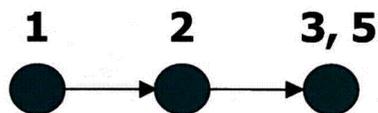
(a) Accident occurs during midweek, at midday; year round



(b) Accident occurs during weekend, at midday; summer season



(c) Accident occurs in the evening; non-summer season



(d) Employees who live outside the EPZ

- 1 → 2 Receive Notification
- 2 → 3 Prepare to Leave Work
- 2, 3 → 4 Travel Home
- 2, 4 → 5 Prepare to Leave to Evacuate

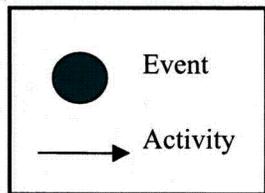
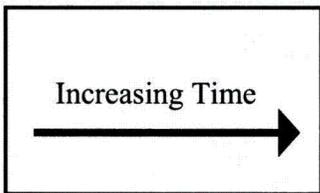
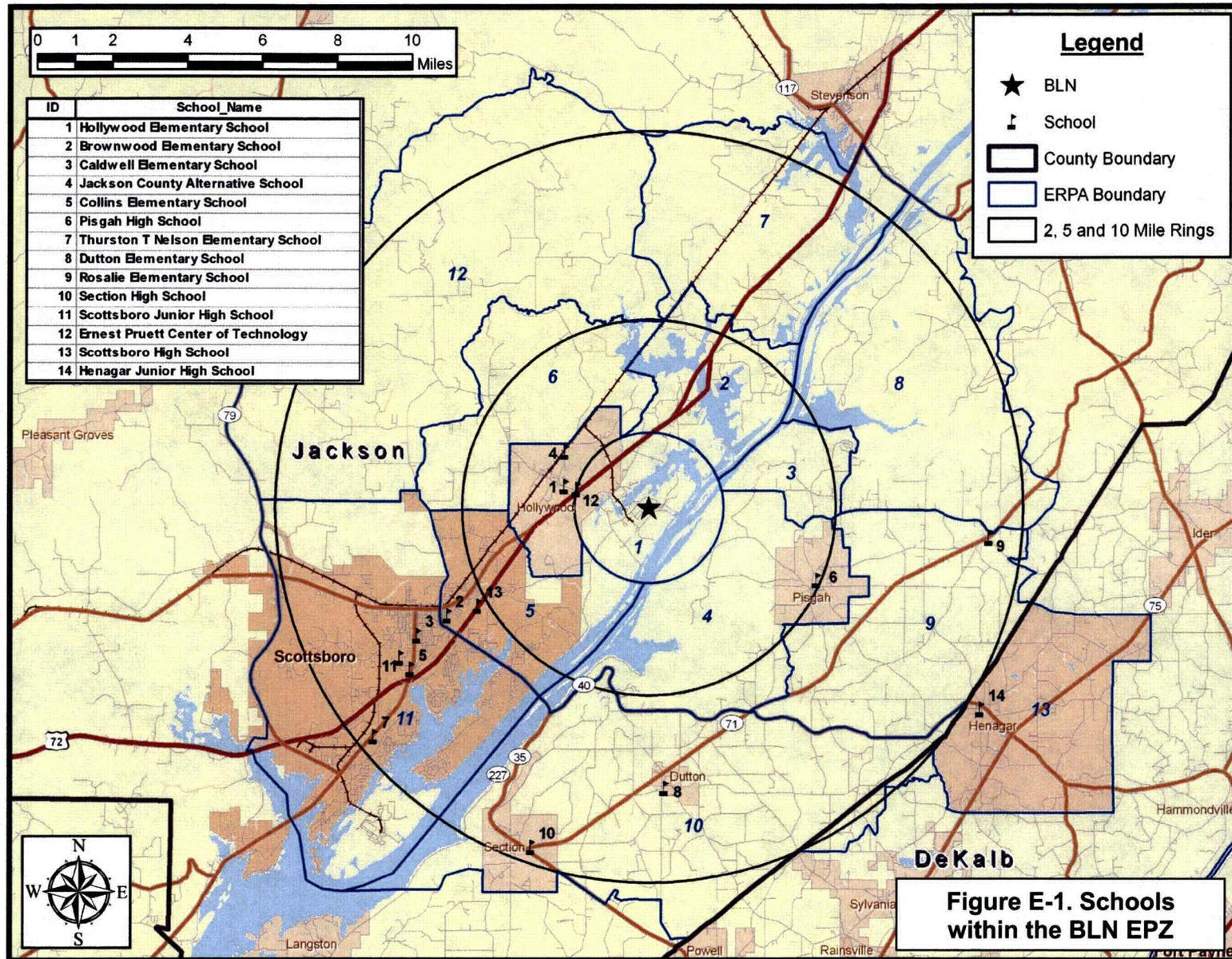


Figure 5-1. Events and Activities Preceding the Evacuation Trip

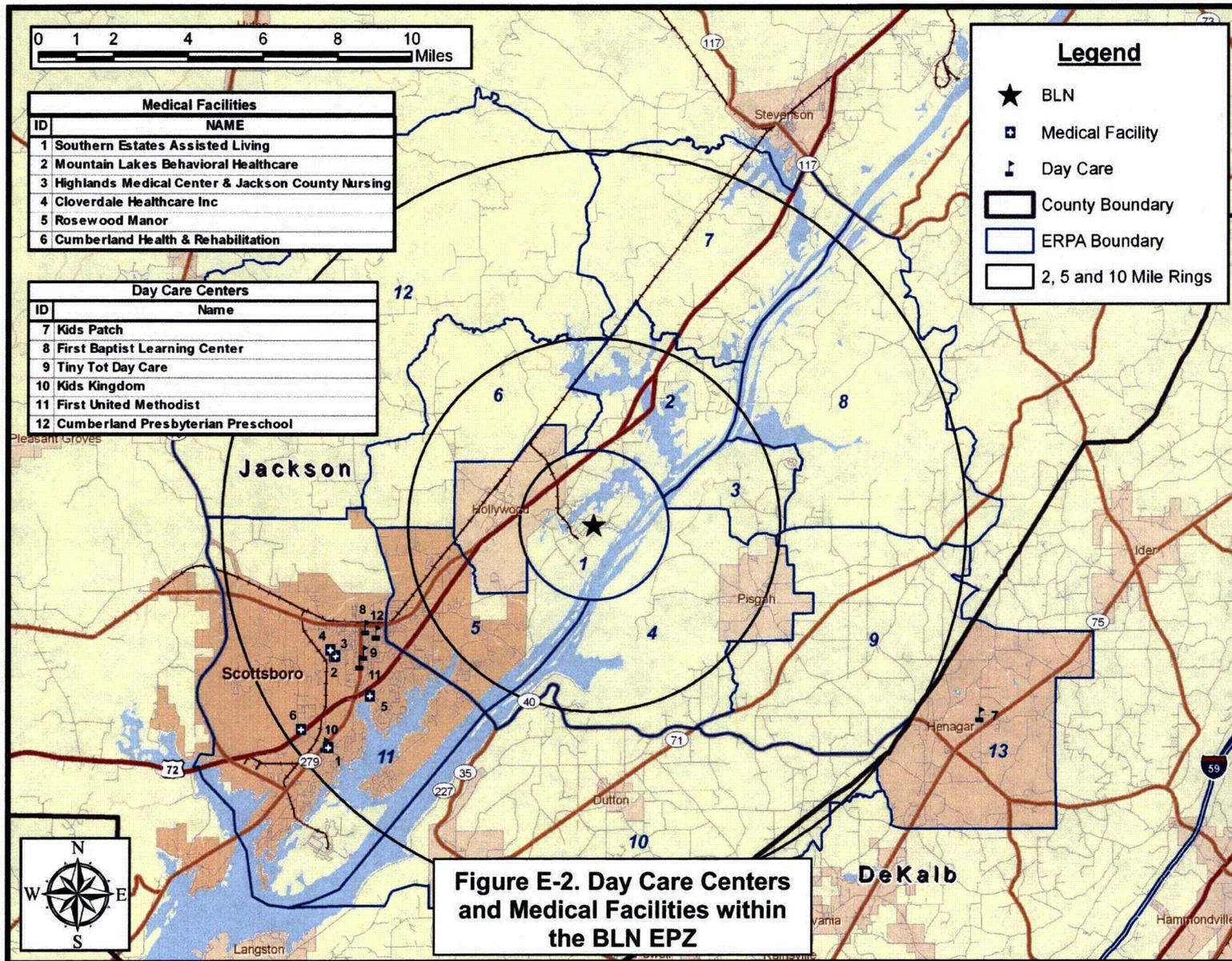
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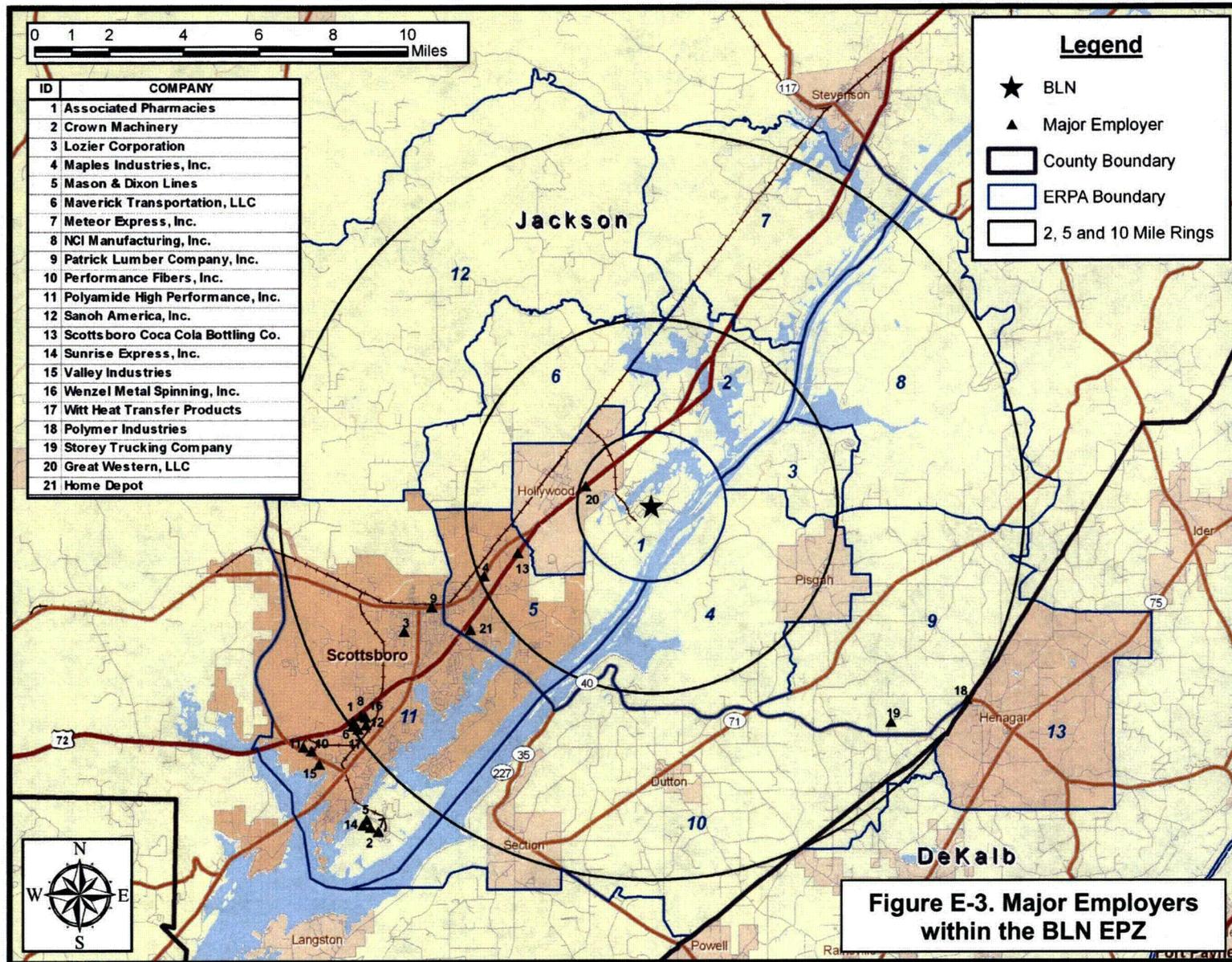
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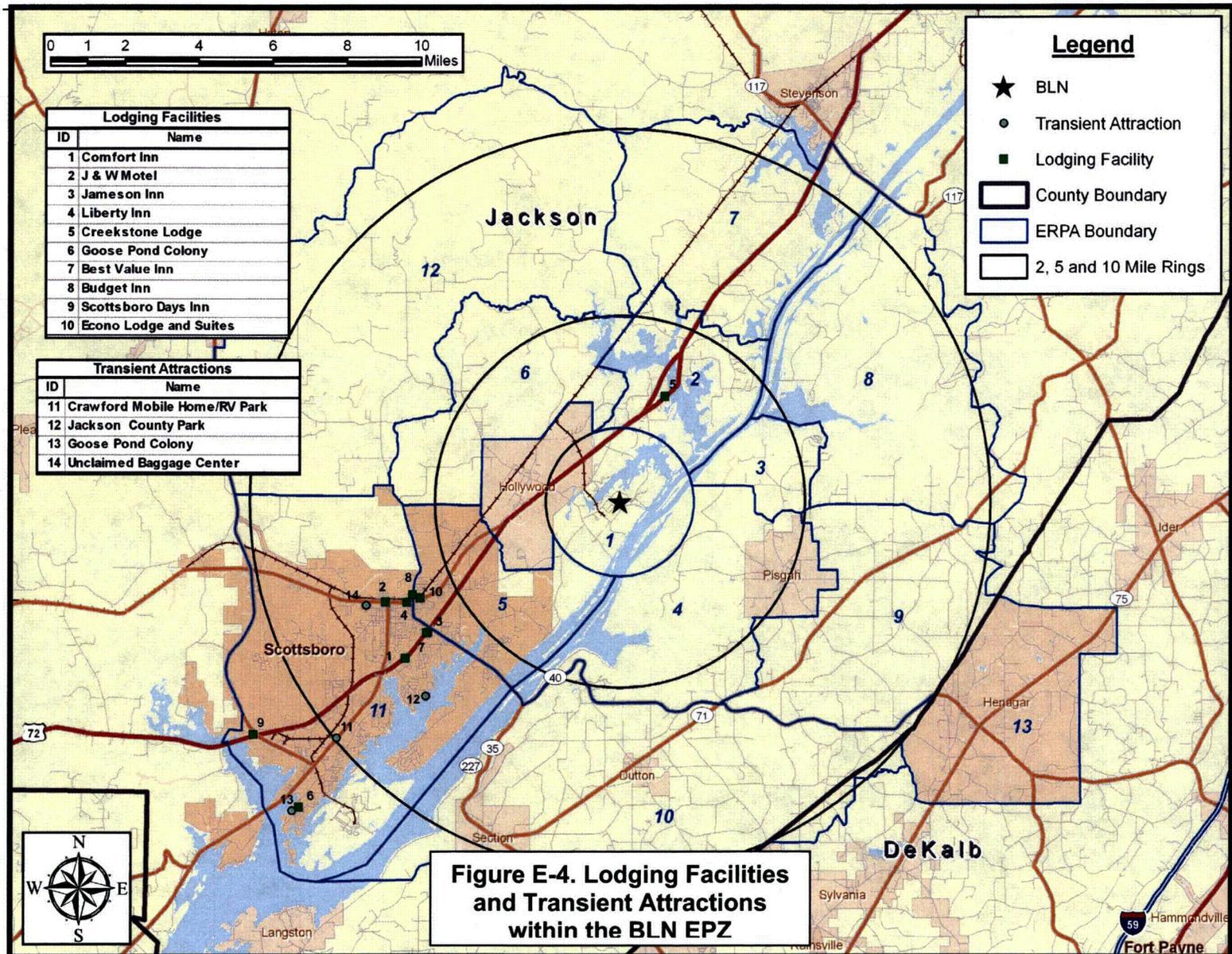
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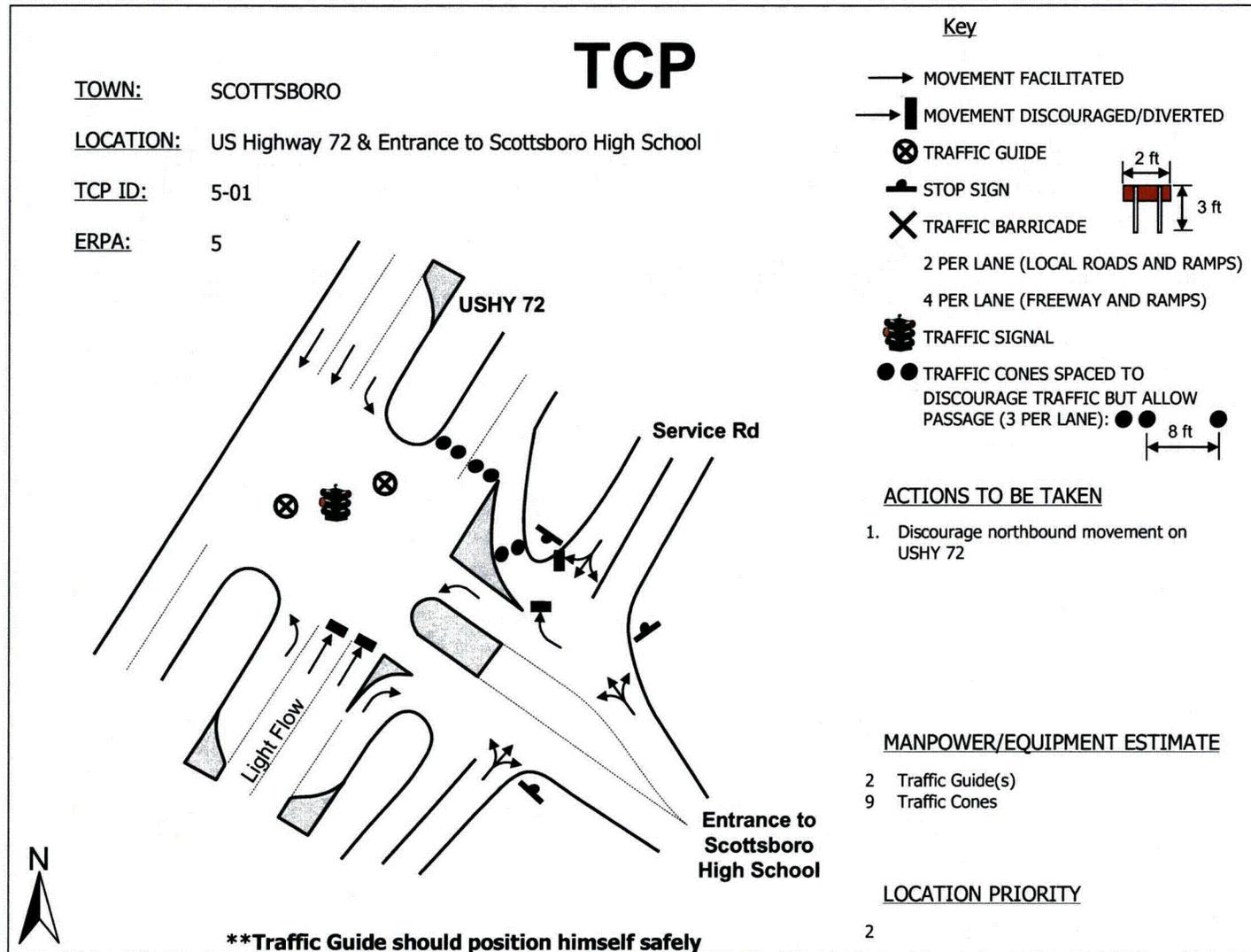
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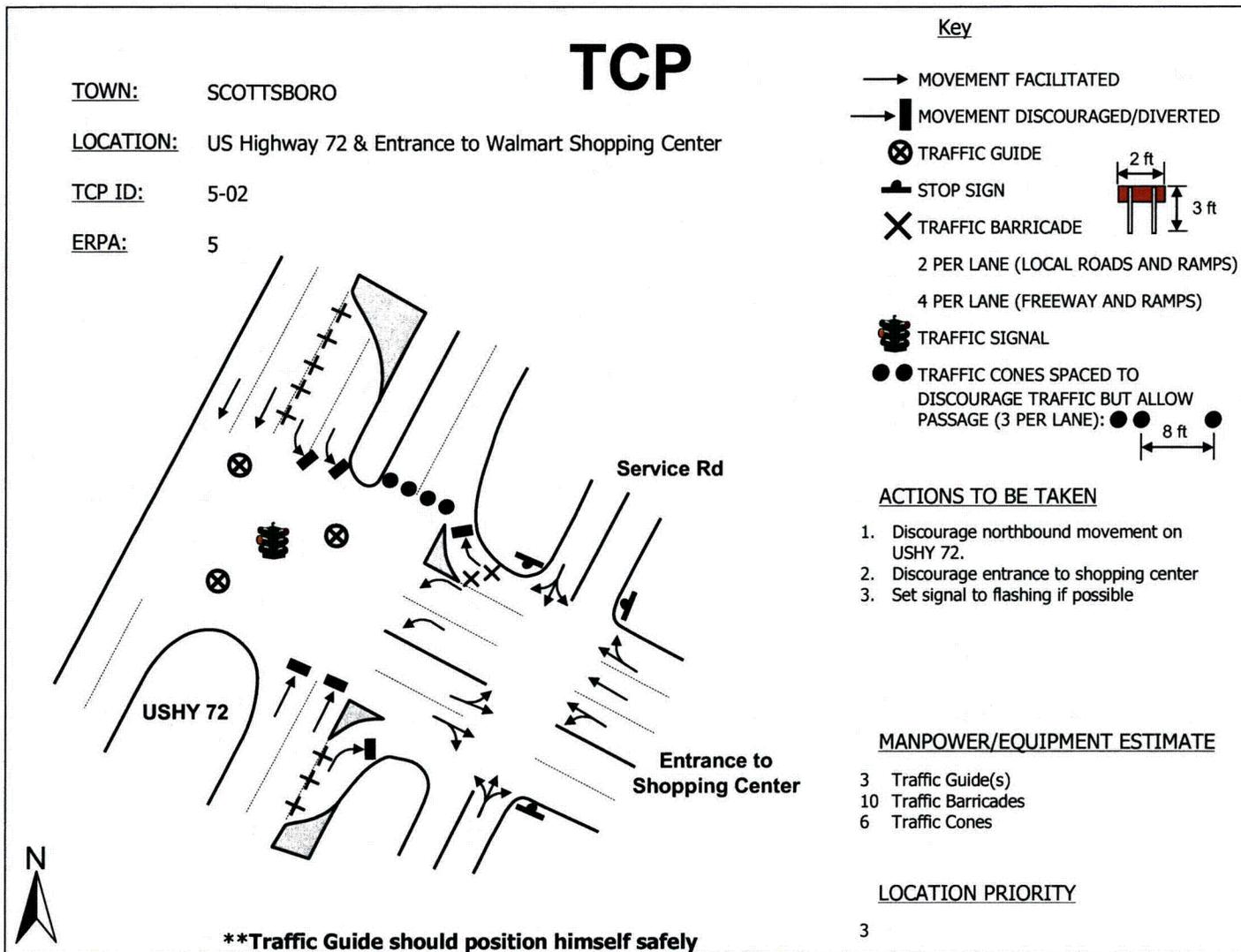
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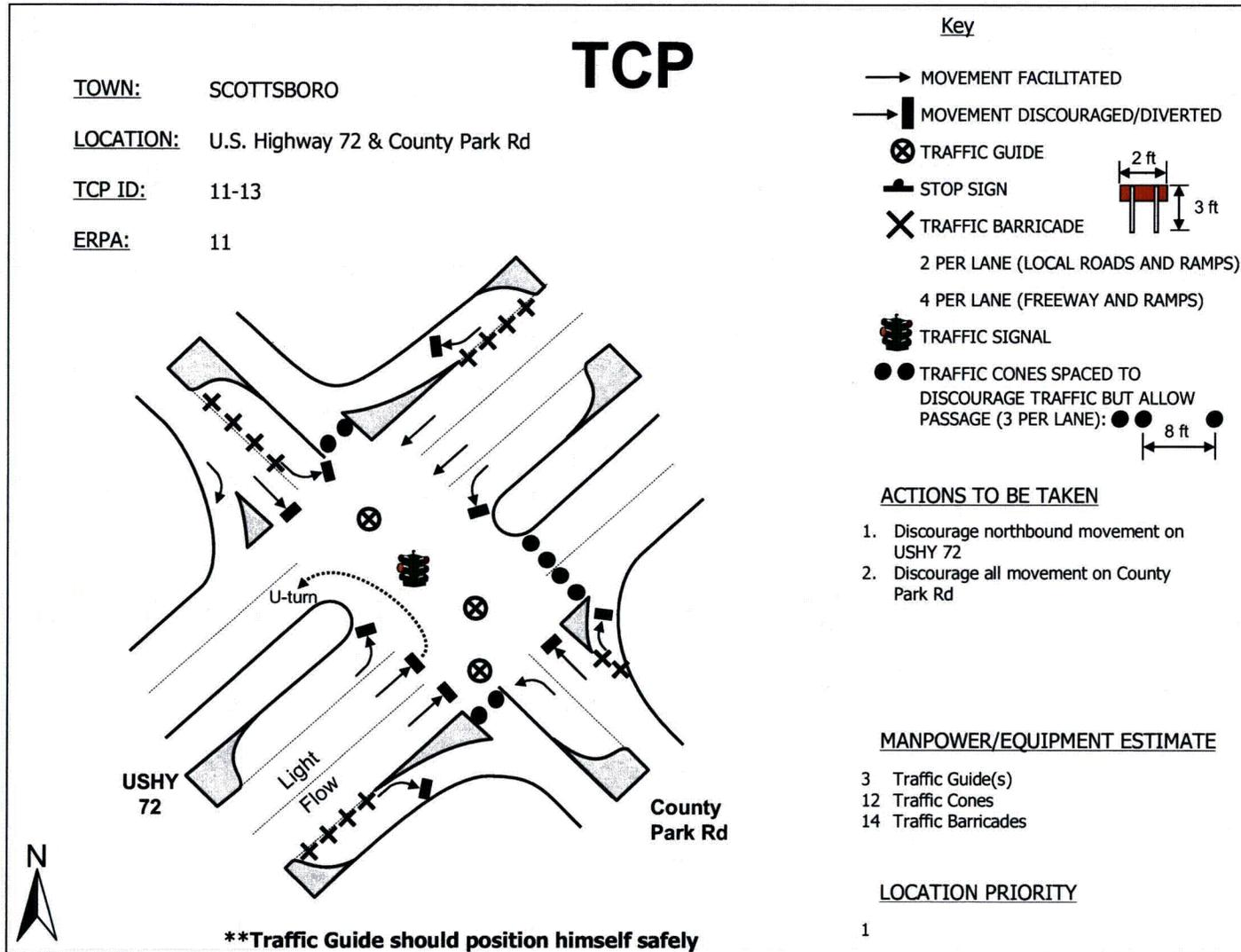
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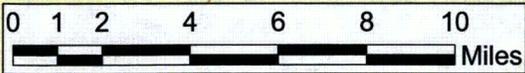


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Bellefonte Evacuation Time Estimate

Figure 1-2

Bellefonte Link Nodes Analysis Network

(Attached)



Legend

- BLN
- Link
- Node
- EPZ
- 2, 5 and 10 Mile Rings

