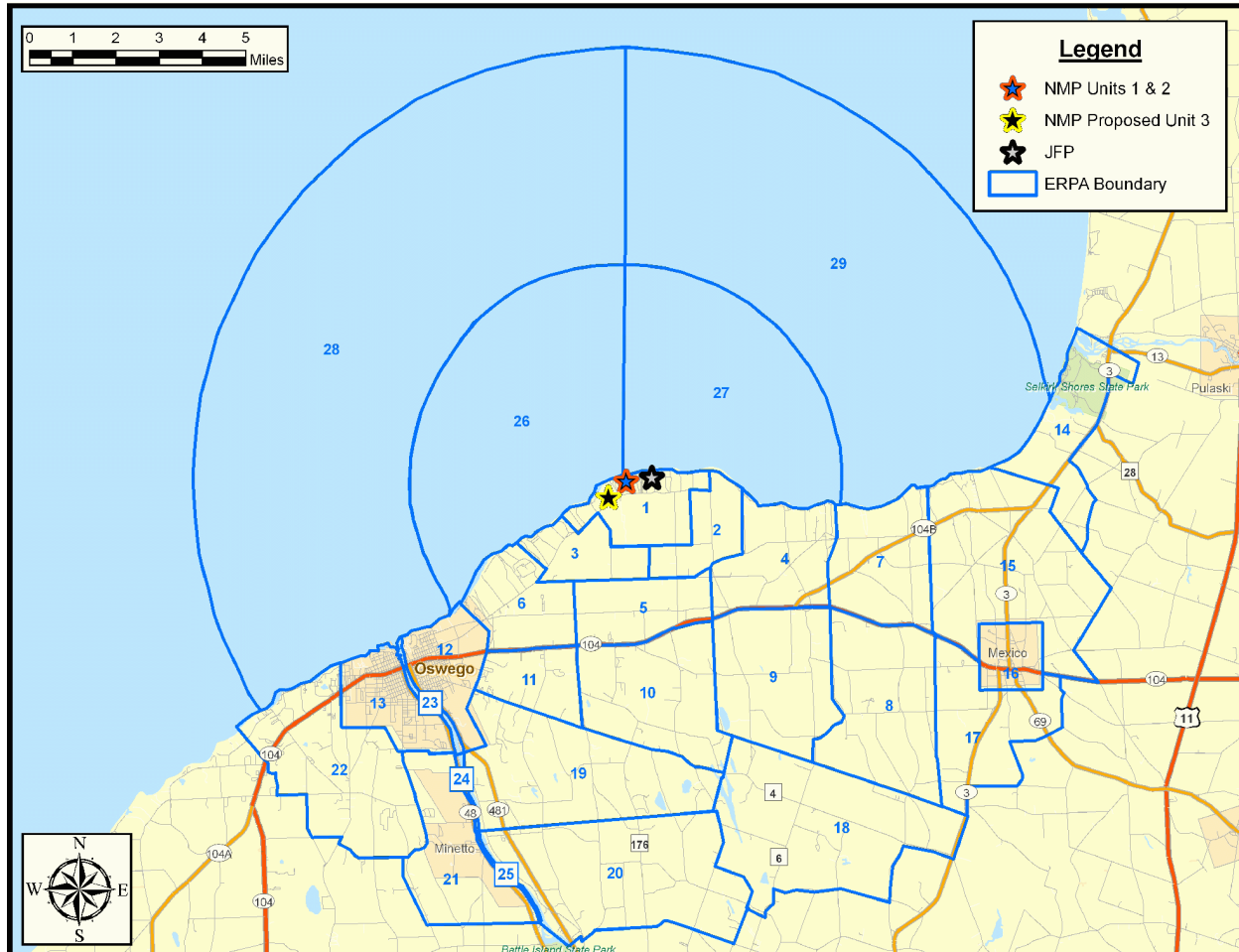


***Nine Mile Point Nuclear Station
Development of Evacuation Time Estimates
Future Year Construction Annex
Prepared for:***



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1. INTRODUCTION

This report describes the analyses undertaken and the results obtained by a study to update the existing Evacuation Time Estimates (ETE) for the Nine Mile Point Nuclear Plant (NMP), located in Lycoming, New York. ETE are part of the required planning basis and provide State and local governments with site-specific information needed for Protective Action decision-making.

The purpose of this Technical Annex is to develop ETE for future year construction of Unit 3 at the Nine Mile Point site.

1.1 Overview of the ETE Update Process

The following outline presents a brief description of the work effort in chronological sequence:

1. Information Gathering:
 - Identified construction scenario employment estimates with UniStar.
 - Reviewed proposed future year infrastructure changes in support of construction activities developed as part of the Traffic Impact Analyses.
 - Reviewed the existing evacuation study developed in 2003 (KLD TR-370). This study was updated in September 2007 to include an annex describing the effect of New York State DOT bridge reconstruction activities in the City of Oswego upon ETE.
 - According to the Census website, the population in Oswego County has only increased an estimated 0.6% between April 2000 and July 2006. Thus, the EPZ population has likely changed little in the period between the 2003 study and the present time.
2. Prepared the input streams for the IDYNEV system.
 - Reviewed the network developed for the previous ETE study and confirmed its adequacy for the current study. The existing network models the highway system surrounding the NMP site in great detail. The network extends through the City of Fulton which accounts for the majority of the population in the Shadow Evacuation Region.

- Changes to roadway access, infrastructure, and capacity in the vicinity of the proposed Nine Mile Point construction site were incorporated into the analysis network.
 - Prepared the updated input stream for the IDYNEV System including the employment population for the construction scenario.
 - Executed the IDYNEV models to provide the estimates of evacuation routing and ETE.
3. Generated a complete set of ETE for all specified Evacuation Regions and Scenarios.
 4. Documented ETE in formats responsive to the guidance outlined in NUREG-0654.

1.2 The Nine Mile Point Nuclear Plant Site Location

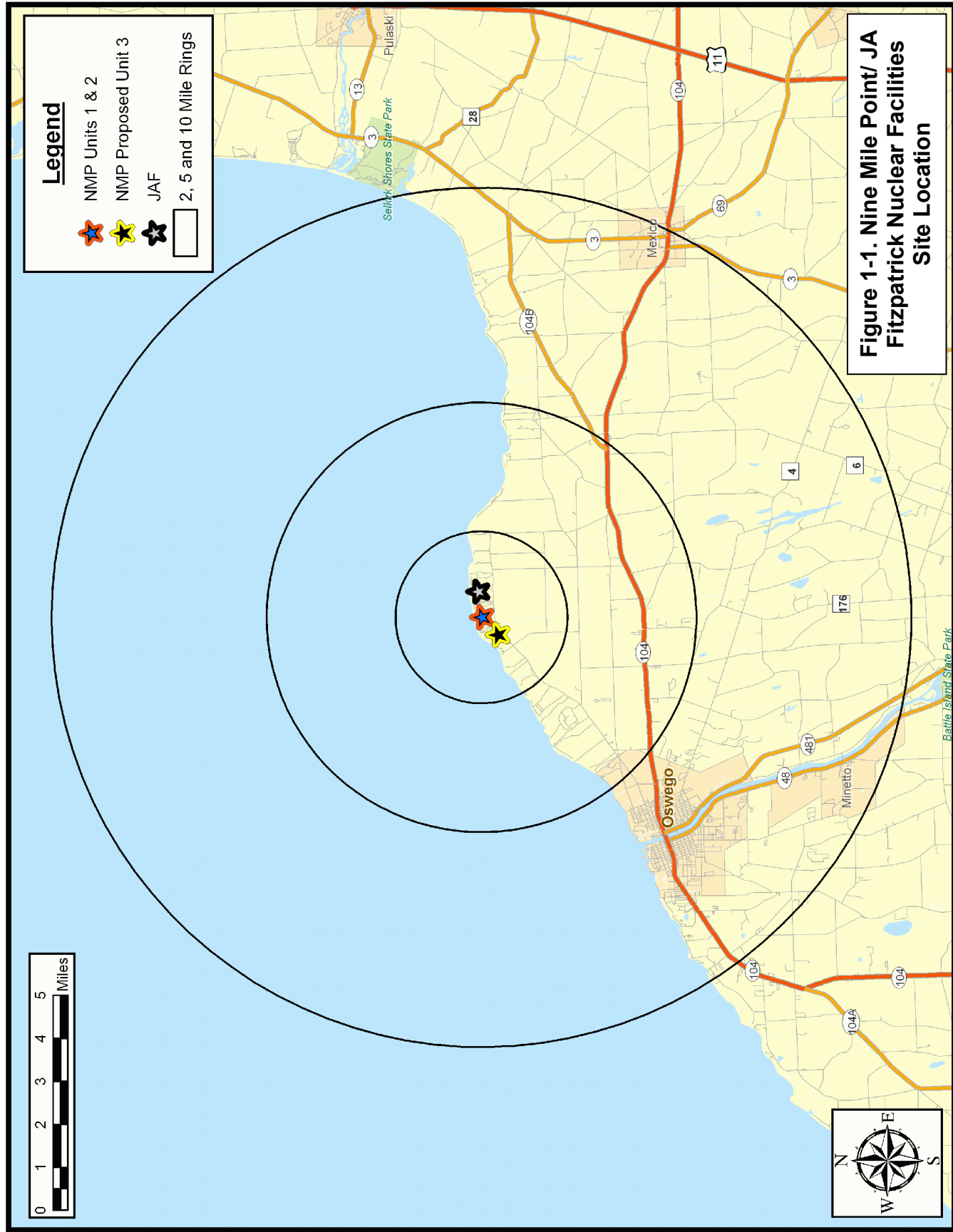
The Nine Mile Point site is located on the shores of Lake Ontario, in Oswego County, New York. The site is situated approximately 6 miles northeast of the City of Oswego at longitude 76° 24' W and latitude 43° 31'N. The site shares a common boundary with the adjacent James A Fitzpatrick Nuclear Power Plant.

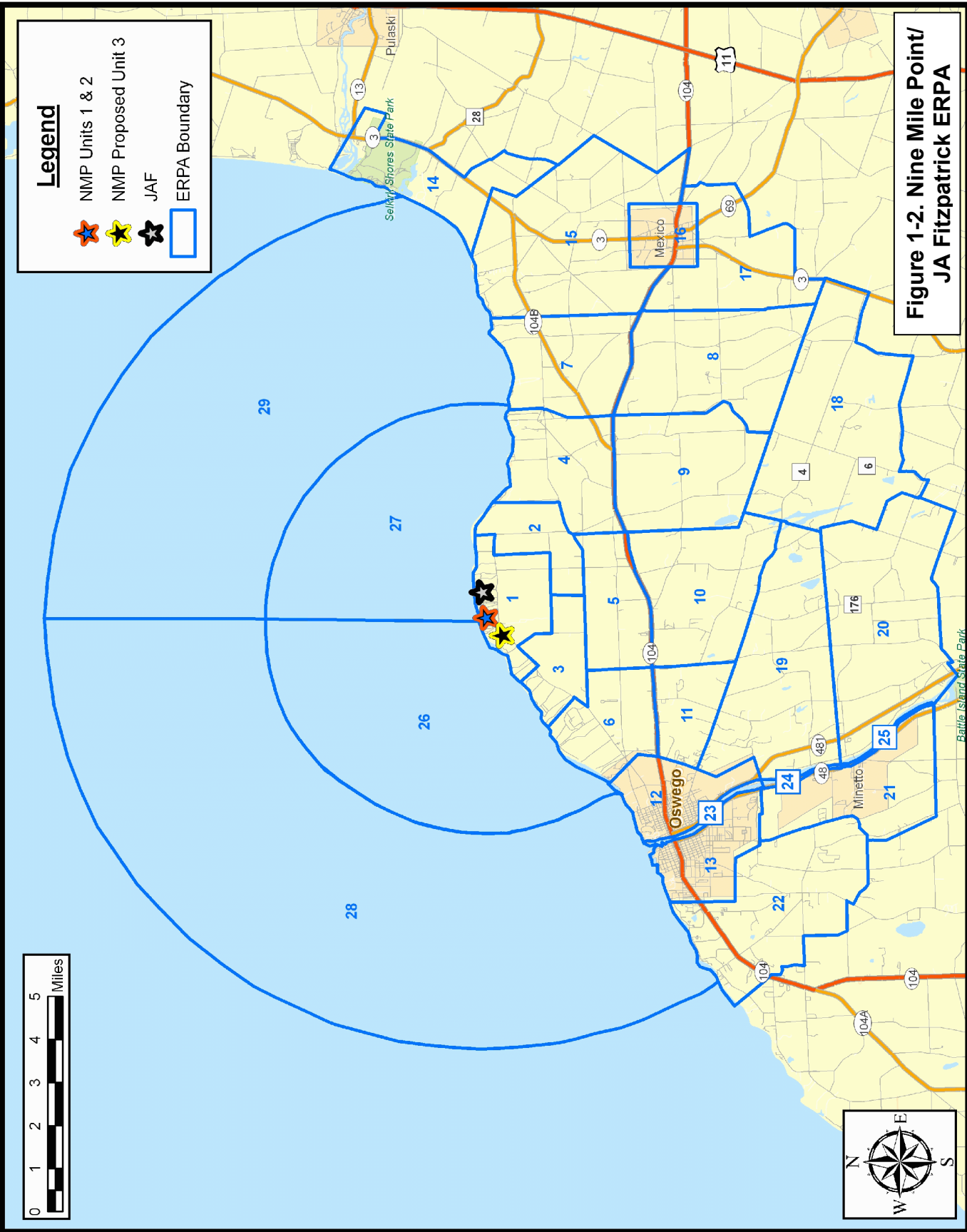
The Emergency Planning Zone is situated entirely within Oswego County. Figure 1-1 displays the site area surrounding the Nine Mile Point/JA Fitzpatrick Nuclear Facilities. This figure identifies the major communities in the area and the major roads.

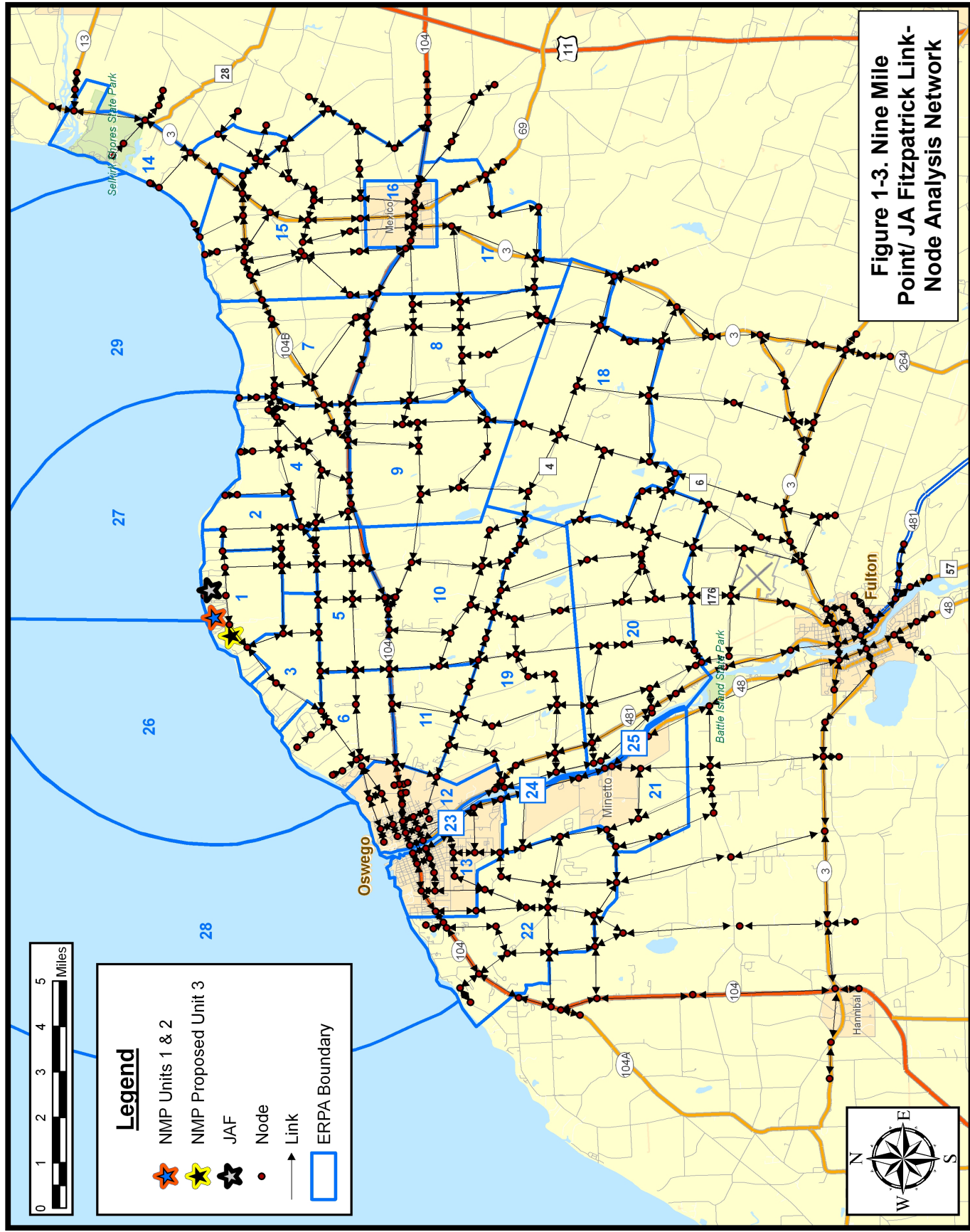
The NMP EPZ has been subdivided into 29 Emergency Response Planning Areas (ERPA). These ERPA are shown in Figure 1-2. Three of the designated ERPA (23-25) are located over the Oswego River, while four (26-29) are located over Lake Ontario.

Figure 1-3 depicts the link-node analysis network used to model the highway network in the evacuation analyses. The link-node representation of the physical highway network was developed using Geographic Information System (GIS) mapping software and the observations made during the field survey conducted in 2003.

Note that the network representation extends beyond the EPZ boundary. Network development was extended to encompass the City of Fulton, south of the EPZ boundary along Route 481. The primary evacuation routes from Oswego leading towards the reception centers near Syracuse travel directly through Fulton. The movement of voluntary evacuees within Fulton can inhibit the movement of those people evacuating from within the EPZ, thus explaining the inclusion of Fulton in the Shadow Evacuation Region.







1.3 Analytical Tools

The IDYNEV System that was employed for this study is comprised of several integrated computer models. One of these is the PC-DYNEV (DYnamic Network Evacuation) macroscopic simulation model that was developed by KLD under contract with the Federal Emergency Management Agency (FEMA).

I-DYNEV consists of three submodels:

- A macroscopic traffic simulation model (for details, see Appendix C¹).
- An intersection capacity model (for details, see Highway Research Record No. 772, Transportation Research Board, 1980, papers by Lieberman and McShane & Lieberman).
- A dynamic, node-centric routing model that adjusts the “base” routing in the event of an imbalance in the levels of congestion on the outbound links.

Another model of the IDYNEV System is the TRAD (TRaffic Assignment and Distribution) model. This model integrates an equilibrium assignment model with a trip distribution algorithm to compute origin-destination volumes and paths of travel designed to minimize travel time. For details, see Appendix B¹.

Still another software product developed by KLD, named UNITES (UNified Transportation Engineering System) was used to expedite data entry.

The procedure for applying the IDYNEV System within the framework of developing an update to an ETE is outlined in Appendix D¹. Appendix A¹ is a glossary of terms.

¹ Appendices A through D reference the 2003 ETE report (KLD TR-370).

2. FUTURE YEAR INFRASTRUCTURE CHANGES

Figure 2-1 presents an overview of the future site access plan. A new site access road between County Route 1A (Lake Road) and Miners Road will be constructed. Access to NMP Units 1 and 2 will be provided through the new access road. Access to the construction site and construction parking fields will be through the existing site access point located just east of the intersection of County Route 1A (Lake Road) and Lakeview Road. The evacuation network was updated to incorporate this new access road.

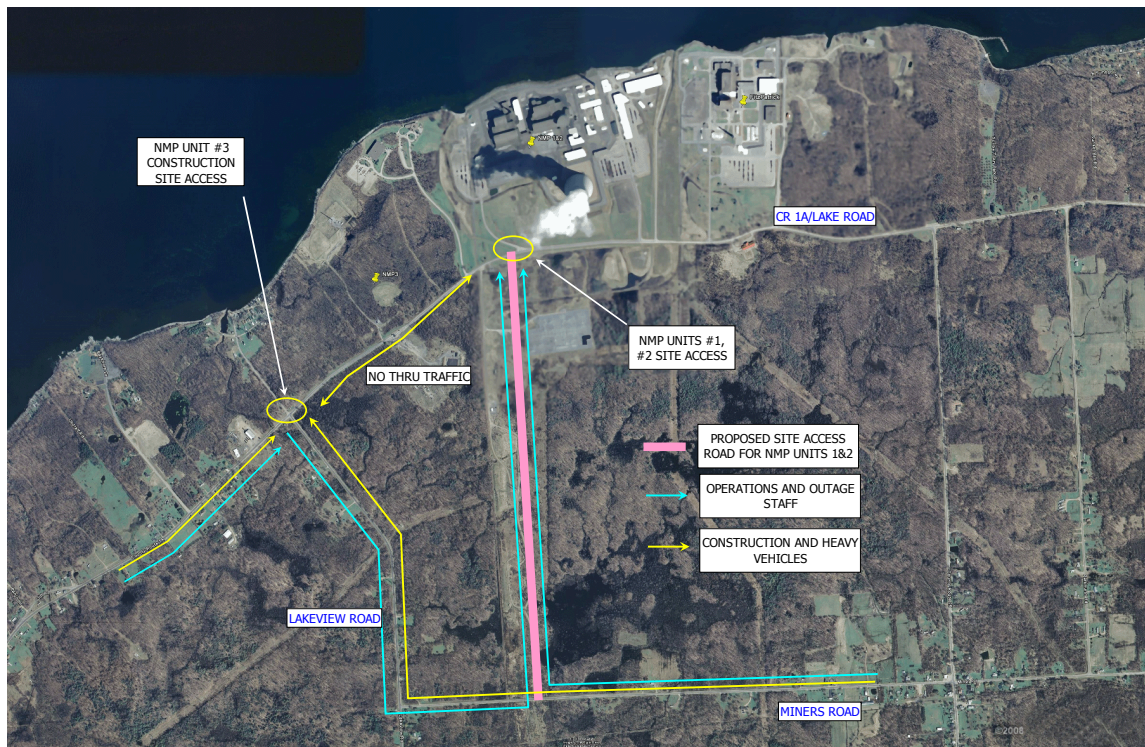


Figure 2-1. Planned Site Access

3. CONSTRUCTION SCENARIO WORKFORCE PROJECTIONS

The construction scenario workforce will consist of two components, the operational staff at the existing Nine Mile Point (NMP) and James A. Fitzpatrick (JAF) units, and the construction employees at the site of the proposed new unit for NMP. Each component is described below.

3.1 Operational Units

In May of 2008, current NMP operational staffing levels were obtained. The total staffing cited was 1,006 employees.

Outages are scheduled every 24 months per unit. Outages are staggered so that there is an outage each year. The expected outage workforce adds between 850 and 1,000 employees to the site. We used a value of 925 additional outage employees as part of our site population.

In 2002, we conducted field data collection at shift change to ascertain the Nine Mile Point employee vehicle occupancy rate. Data indicated that nearly all employees drove their own vehicles; the average occupancy rate was 1 person per vehicle. This value was used in this study for all employees at the operational units.

Traffic counts were conducted in July 2008 on the roadways surrounding the plant. Based on the data obtained, 69% of the vehicles traveling to the plant on a given weekday are during the morning peak. Thus, the midday shift at the NMP site includes 69% of the total employees, or 694 employees. This same maximum shift percentage was also assumed for outage employees, resulting in 638 employees. The midday workforce at the NMP site during an outage is 1,332 employees (694 + 638), evacuating in 1,332 vehicles (1 person per vehicle).

As previously noted, the Nine Mile Point site is located adjacent to the James A. Fitzpatrick Nuclear Power Station (JAF), which has one operational unit. Data provided by JAF estimates 850 total employees working the day shift at the site during an outage. A vehicle occupancy of 1 person per vehicle is also used for JAF; thus, there are 850 vehicles evacuating from the JAF site. For this study, we assume simultaneous outages occurring at one of the Nine Mile units and at the JAF unit.

3.2 Construction Site

Construction staffing will be estimated based upon the following assumptions:

- The construction scenario represents a mid-week mid-day condition.
- The proposed construction site for the additional unit is west of the two existing units at the NMP site.

- The proposed time line for construction is from September 2010 through May 2016.
- The scenario considered includes an outage at one of the operational units, coincident with the construction peak.
- The EPZ population during peak construction is the same as the 2003 report, given the limited population growth in the area according to Census estimates.

Construction Staffing

- The maximum number of construction workers expected on site is 3,940 per day. This maximum occurs between February 2014 and January 2015. Figure 3-1 presents the construction staffing estimates over time during the period of construction.
- These workers work in 3 shifts with the following splits: 60%, 35%, and 5%.
- These workers have an average vehicle occupancy of 1.3.
- This implies a total of 1,819 additional vehicles on site during the midday period.

$$\left(0.60 \times \frac{3,940}{1.3} = 1,819 \right)$$

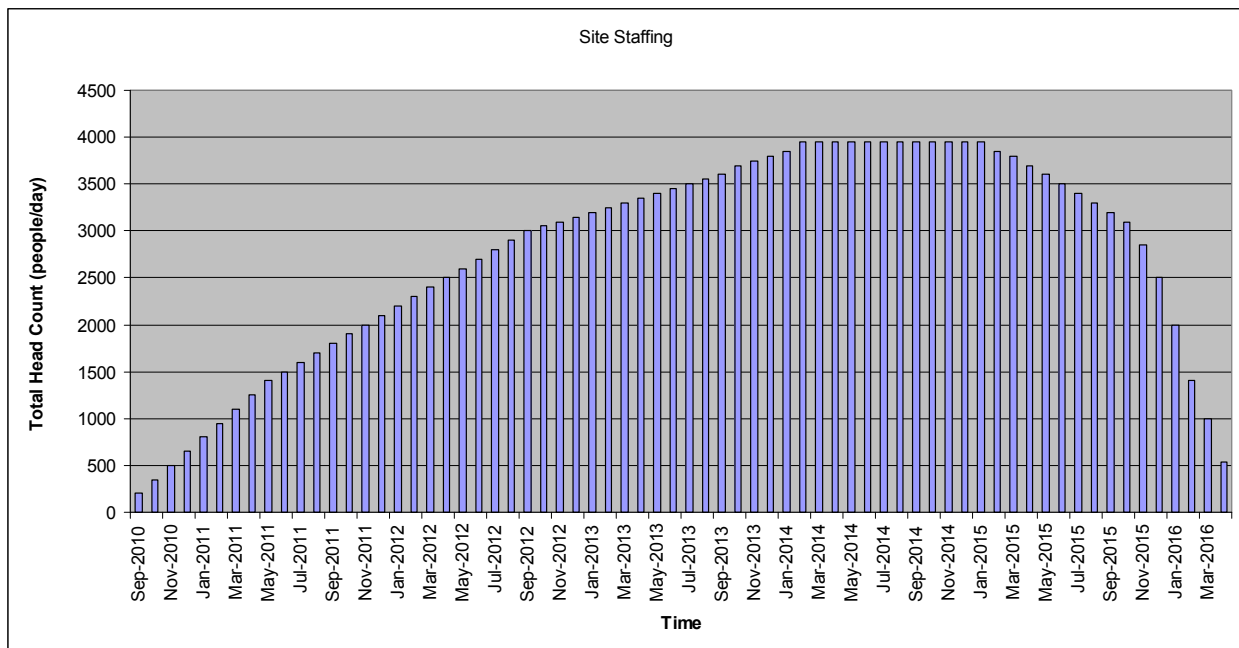


Figure 3-1. Nine Mile Point Construction Staffing

New Unit Operations Staffing

- A total of 363 operational employees are required for the new unit.
- These employees work in 3 shifts with the peak shift percentage being 69%.
- The average vehicle occupancy is 1.0 employee per vehicle.
- This implies a total of 251 additional vehicles on site during the midday period.

$$\left(0.69 \times \frac{363}{1.3} = 251\right)$$

3.3 Demand Summary for Peak Construction Scenario

Table 3-1 presents a summary of the demand at the Nine Mile Point site during the peak construction scenario.

Table 3-2. Construction Scenario Demand Summary		
Employment Category	Employees/Construction Workers	Employee/Construction Worker Vehicles
Units 1 & 2 Operations + Outage	1,332	1,332
Construction	2,364	1,819
New Unit Operations	251	251
Totals	3,947	3,402

4. EVACUATION TIME ESTIMATES FOR CONSTRUCTION SCENARIOS

This section presents the current results of the computer analyses using the IDYNEV System. These results cover the 51 Evacuation Regions within the NMP EPZ and the 14 Evacuation Scenarios discussed in Section 6 of the ETE report.

The ETE for each Evacuation Case (combination of Region and Scenario) is presented in Tables 4-1A through 4-1D. These tables present the estimated time needed to clear the indicated population percentages from the Evacuation Regions. The construction scenario is appended to these tables as the last column, representing a new special scenario.

Table 4-1 summarizes the results of the construction staffing on the ETE for the entire 2-Mile and 5-Mile Regions, and the Entire EPZ. These results indicate that the greatest impact on ETE is within the two-mile region. There are a limited number of evacuation routes within the two-mile region to service construction traffic as it departs from the site. This shortfall in roadway capacity results in increased ETE for the Region. As the construction traffic moves beyond the two-mile region, there are additional evacuation routes and therefore more available roadway capacity. This increase in capacity results in a lesser increase in ETE as shown in the ETE for the five-mile region and the entire EPZ.

Table 4-1. Effect of Construction Staffing on ETE			
Region	ETE Without Construction Staffing	ETE With Construction Staffing	Change in ETE
Entire Two Miles Region 1	2:20	2:40	0:20
Entire Five Miles Region 2	3:20	3:30	0:10
Entire EPZ Region 3	4:30	4:40	0:10

Table 4-1A. Time to Clear The Indicated Area of 50 Percent of the Affected Population (Page 1 of 3)																
Region	Summer			Summer			Winter			Winter			Summer			Summer
	Midweek			Weekend			Midweek			Weekend			Weekend Classic Harbor Fest			
	Midday			Midday			Midday			Midday			Midday			
	Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Good Weather		
	Region			Region			Region			Region			Region			
Entire 2-Mile, 5-Mile Circles and EPZ																
R01	0:40	0:45	0:40	0:40	0:40	0:45	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:40	0:45	1:00
R02	1:05	1:10	1:00	1:00	1:00	1:05	1:10	1:25	1:00	1:00	1:00	1:25	0:55	1:20	2:30	1:25
R03	1:15	1:20	1:10	1:15	1:15	1:25	1:30	1:50	1:10	1:15	1:15	1:35	1:10	1:45	2:30	1:25

Table 4-1A. Time to Clear The Indicated Area of 50 Percent of the Affected Population (Page 2 of 3)

Region	Summer			Summer			Winter			Winter			Summer			Summer		
	Midweek			Weekend			Midweek			Weekend			Weekend Classic			Weekend Harbor Fest		
	Midday			Midday			Midday			Midday			Midday			Midday		
	Good Weather	Rain	Good Weather	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Good Weather	Good Weather
Regions Extending to 5-Miles																		
R04	0:40	0:45	0:40	0:40	0:40	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:40	0:40	0:40	0:40	0:45	1:00
R05	0:40	0:45	0:40	0:40	0:40	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:40	0:40	0:40	0:40	0:45	1:00
R06	0:50	0:55	0:45	0:45	0:45	0:45	0:50	0:55	1:00	0:45	0:45	0:45	0:45	0:45	0:45	0:45	0:45	1:10
R07	1:05	1:05	0:45	0:50	0:50	0:50	1:05	1:10	1:20	0:45	0:50	0:50	1:05	0:50	0:50	0:50	0:50	1:05
R08	1:05	1:05	0:45	0:50	0:50	0:50	1:05	1:10	1:20	0:45	0:50	0:50	1:05	0:50	0:50	0:45	0:50	1:05
R09	1:05	1:10	0:45	0:50	0:50	0:50	1:05	1:10	1:20	0:45	0:45	0:50	1:05	0:50	0:50	0:45	0:50	1:05
R10	1:00	1:05	0:45	0:50	0:50	0:50	1:00	1:05	1:20	0:45	0:45	0:50	1:05	0:50	0:50	0:45	0:50	1:10
R11	1:00	1:05	0:45	0:50	0:50	0:50	1:05	1:05	1:20	0:50	0:50	0:50	1:10	0:50	0:50	0:50	0:50	1:10
R12	1:00	1:05	0:45	0:50	0:50	0:50	1:05	1:05	1:20	0:50	0:50	0:50	1:10	0:50	0:50	0:50	0:50	1:10
R13	1:00	1:05	0:45	0:50	0:50	0:50	1:05	1:05	1:20	0:50	0:50	0:50	1:10	0:50	0:50	0:50	0:50	1:10
R14	0:55	0:55	0:45	0:45	0:45	0:45	0:55	0:55	1:10	0:45	0:45	0:45	1:05	0:45	0:45	1:00	1:40	1:10
R15	0:55	0:55	0:45	0:45	0:45	0:45	0:55	0:55	1:10	0:45	0:45	0:45	1:05	0:45	0:45	1:00	1:40	1:10
R16	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	1:00	0:45	0:45	0:45	1:00	0:45	0:45	0:55	1:30	1:15
R17	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	1:00	0:45	0:45	0:45	1:00	0:45	0:45	0:55	1:30	1:15
R18	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	1:00	0:45	0:45	0:45	1:00	0:45	0:45	1:00	1:45	1:10
R19	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	1:00	0:45	0:45	0:45	1:00	0:45	0:45	1:00	1:45	1:10
R20	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	0:55	0:45	0:45	0:45	1:00	0:45	0:45	1:05	2:20	1:10
R21	0:50	0:50	0:45	0:45	0:45	0:45	0:50	0:50	0:55	0:45	0:45	0:45	1:00	0:45	0:45	1:05	2:20	1:10
R22	0:45	0:50	0:45	0:45	0:45	0:45	0:50	0:50	0:55	0:45	0:45	0:45	0:55	0:45	0:45	1:05	2:30	1:10
R23	0:45	0:45	0:40	0:45	0:45	0:45	0:45	0:45	0:50	0:45	0:45	0:45	0:55	0:45	0:45	0:40	0:50	1:10
R24	0:45	0:45	0:40	0:45	0:45	0:45	0:45	0:45	0:50	0:45	0:45	0:45	0:55	0:45	0:45	0:40	0:50	1:10
R25	0:40	0:45	0:40	0:40	0:40	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:45	0:40	0:45	1:00
R26	0:40	0:45	0:40	0:40	0:40	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:45	0:40	0:45	1:00
R27	0:40	0:45	0:40	0:40	0:40	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:45	0:40	0:45	1:00

Table 4-1A. Time to Clear The Indicated Area of 50 Percent of the Affected Population (Page 3 of 3)

Region	Summer				Summer				Winter				Winter				Summer			
	Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend	
	Midweek		Midweek		Midweek		Midweek		Midweek		Midweek		Midweek		Midweek		Midweek		Midweek	
	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain
Regions Extending to EPZ Boundary																				
R28	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:40	0:45	0:40	0:40	0:40	0:45	0:40	0:40	0:40	0:45	0:40	0:40	1:00
R29	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:40	0:45	0:40	0:40	0:40	0:45	0:40	0:40	0:40	0:45	0:40	0:40	1:00
R30	0:50	0:55	0:50	0:50	0:45	0:55	0:55	0:55	1:00	0:45	0:45	0:45	0:55	0:45	0:45	0:45	0:45	0:45	0:45	1:05
R31	1:05	1:05	0:50	0:55	0:50	1:10	1:05	0:50	1:10	0:50	0:50	0:50	1:00	0:50	0:50	0:50	0:50	0:50	0:50	1:05
R32	1:05	1:05	0:55	0:55	0:50	1:10	1:05	0:50	1:15	0:50	0:50	0:50	1:05	0:50	0:50	0:50	0:50	0:50	0:50	1:05
R33	1:05	1:10	0:50	0:55	0:50	1:10	1:05	0:50	1:20	0:50	0:55	0:55	1:05	0:50	0:50	0:50	0:50	0:50	0:50	1:05
R34	1:05	1:05	0:50	0:55	0:50	1:10	1:05	0:50	1:20	0:50	0:50	0:50	1:10	0:50	0:50	0:50	0:50	0:50	0:50	1:10
R35	1:05	1:10	0:50	0:55	0:50	1:10	1:05	0:50	1:20	0:50	0:55	0:55	1:10	0:50	0:50	0:50	0:50	0:55	0:55	1:15
R36	1:10	1:15	0:55	0:55	0:55	1:10	1:10	0:55	1:30	0:55	0:55	0:55	1:15	0:55	0:55	0:55	0:55	1:00	1:00	1:15
R37	1:10	1:15	0:55	0:55	0:55	1:10	1:10	0:55	1:30	0:55	0:55	0:55	1:15	0:55	0:55	0:55	0:55	1:00	1:00	1:15
R38	1:10	1:10	0:55	0:55	0:55	1:10	1:10	0:55	1:25	0:55	0:55	0:55	1:15	0:55	0:55	0:55	1:00	1:10	1:10	1:15
R39	1:10	1:15	0:55	0:55	0:55	1:10	1:10	0:55	1:30	0:55	0:55	0:55	1:15	0:55	0:55	0:55	1:00	1:10	1:10	1:15
R40	1:15	1:20	1:05	1:05	1:00	1:20	1:20	1:25	1:45	1:05	1:10	1:10	1:30	1:05	1:05	1:25	1:35	1:35	1:35	1:25
R41	1:10	1:15	1:00	1:05	1:00	1:15	1:15	1:20	1:40	1:05	1:10	1:10	1:25	1:05	1:05	1:25	1:35	1:35	1:35	1:25
R42	1:10	1:15	1:05	1:10	1:05	1:20	1:20	1:25	1:45	1:05	1:10	1:10	1:30	1:05	1:05	1:25	1:40	1:40	1:40	1:25
R43	1:10	1:20	1:10	1:15	1:05	1:20	1:20	1:25	1:50	1:10	1:15	1:15	1:35	1:10	1:10	1:35	1:50	1:50	1:50	1:25
R44	1:10	1:15	1:10	1:15	1:05	1:20	1:20	1:25	1:45	1:10	1:15	1:15	1:35	1:10	1:10	1:35	1:50	1:50	1:50	1:25
R45	1:15	1:15	1:10	1:15	1:10	1:20	1:20	1:25	1:45	1:10	1:15	1:15	1:35	1:10	1:10	1:45	2:20	2:20	2:20	1:25
R46	1:15	1:15	1:10	1:15	1:10	1:20	1:20	1:25	1:45	1:10	1:15	1:15	1:35	1:10	1:10	1:45	2:20	2:20	2:20	1:25
R47	1:10	1:15	1:10	1:15	1:05	1:20	1:20	1:25	1:45	1:10	1:15	1:15	1:35	1:10	1:10	1:30	1:55	1:55	1:55	1:20
R48	0:45	0:45	0:40	0:45	0:45	0:45	0:45	0:45	0:50	0:45	0:45	0:45	0:55	0:45	0:45	0:40	0:50	0:50	0:50	1:05
R49	0:40	0:45	0:40	0:40	0:45	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:40	0:40	0:45	0:45	0:45	1:00
R50	0:40	0:45	0:40	0:40	0:45	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:40	0:40	0:45	0:45	0:45	1:00
R51	0:40	0:45	0:40	0:40	0:45	0:40	0:40	0:45	0:45	0:40	0:40	0:40	0:50	0:45	0:40	0:40	0:45	0:45	0:45	1:00

Table 4-1B. Time to Clear The Indicated Area of 90 Percent of the Affected Population (Page 1 of 3)																
Region	Summer			Summer			Winter			Winter			Summer			Summer
	Midweek			Weekend			Midweek			Weekend			Weekend Classic Weekend			
	Midday			Midday			Midday			Midday			Midday			
	Good Weather	Rain	Good Weather	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Good Weather		
	Entire 2-Mile, 5-Mile Circles and EPZ															
R01	1:25	1:25	1:15	1:20	1:20	1:25	1:25	1:40	1:15	1:20	1:40	1:15	1:20	1:20	2:00	
R02	2:30	2:40	2:40	2:55	2:20	2:30	2:35	3:05	2:25	2:40	3:10	3:30	6:35	2:50		
R03	3:00	3:20	3:15	3:35	3:00	3:10	3:25	4:05	3:00	3:15	3:45	4:40	6:35	3:00		

Table 4-1B. Time to Clear The Indicated Area of 90 Percent of the Affected Population (Page 2 of 3)

Region	Summer			Summer			Winter			Winter			Summer			Summer		
	Midweek		Good Weather	Weekend		Midweek Weekend	Midweek		Midweek Weekend	Weekend		Midweek Weekend	Weekend Classic Harbor Fest		Midweek	Summer		
	Rain	Midday		Good Weather	Rain		Midday	Good Weather		Rain	Midday		Good Weather					
Regions Extending to 5-Miles																		
R04	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:40	1:15	1:20	1:20	1:40	1:20	1:15	1:20	1:20	2:00	
R05	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:40	1:15	1:20	1:20	1:40	1:20	1:15	1:20	1:20	2:00	
R06	2:00	2:10	1:20	1:25	1:25	1:25	2:00	2:10	1:20	1:25	1:25	1:50	1:25	1:20	1:25	1:20	2:20	
R07	2:10	2:25	1:25	1:30	1:25	1:25	2:10	2:25	1:25	1:35	1:35	1:55	1:25	1:25	1:25	1:20	2:20	
R08	2:10	2:25	1:25	1:30	1:25	1:25	2:10	2:25	1:25	1:35	1:35	1:55	1:25	1:25	1:25	1:20	2:20	
R09	2:05	2:25	1:25	1:30	1:25	1:25	2:10	2:20	1:25	1:35	1:35	1:55	1:25	1:25	1:25	1:20	2:15	
R10	2:05	2:15	1:25	1:35	1:25	1:25	2:10	2:15	1:30	1:35	1:35	2:00	1:25	1:30	1:25	1:20	2:20	
R11	2:10	2:15	1:25	1:35	1:30	1:30	2:10	2:15	1:30	1:35	1:35	2:00	1:30	1:30	1:50	1:20	2:20	
R12	2:10	2:15	1:25	1:35	1:30	1:30	2:10	2:15	1:30	1:35	1:35	2:00	1:30	1:30	1:50	1:20	2:20	
R13	2:10	2:15	1:25	1:35	1:30	1:30	2:10	2:15	1:30	1:35	1:35	2:00	1:30	1:30	1:50	1:20	2:20	
R14	1:50	1:55	1:25	1:25	1:25	1:25	1:50	2:00	1:25	1:25	1:25	1:55	1:25	2:55	6:15	1:20	2:10	
R15	1:50	1:55	1:25	1:25	1:25	1:25	1:50	2:00	1:25	1:25	1:25	1:55	1:25	2:55	6:15	1:20	2:10	
R16	1:45	1:50	1:25	1:25	1:25	1:25	1:45	1:50	1:25	1:25	1:25	1:55	1:25	2:50	6:15	1:20	2:35	
R17	1:45	1:50	1:25	1:25	1:25	1:25	1:45	1:50	1:25	1:25	1:25	1:55	1:25	2:50	6:15	1:20	2:35	
R18	1:40	1:40	1:25	1:25	1:25	1:25	1:40	1:45	1:25	1:25	1:25	1:55	1:25	3:00	6:20	1:20	2:25	
R19	1:40	1:40	1:25	1:25	1:25	1:25	1:40	1:45	1:25	1:25	1:25	1:55	1:25	3:00	6:20	1:20	2:25	
R20	1:35	1:35	1:20	1:20	1:20	1:25	1:35	1:40	1:20	1:20	1:20	1:50	1:25	3:10	6:30	1:20	2:25	
R21	1:35	1:35	1:20	1:20	1:20	1:25	1:35	1:40	1:20	1:20	1:20	1:50	1:25	3:10	6:30	1:20	2:25	
R22	1:35	1:35	1:20	1:20	1:20	1:25	1:35	1:35	1:20	1:20	1:20	1:50	1:25	3:15	6:35	1:20	2:20	
R23	1:30	1:30	1:20	1:20	1:20	1:20	1:30	1:30	1:20	1:20	1:20	1:45	1:20	1:20	1:45	1:20	2:10	
R24	1:30	1:30	1:20	1:20	1:20	1:20	1:30	1:30	1:20	1:20	1:20	1:45	1:20	1:20	1:45	1:20	2:10	
R25	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:15	1:20	1:20	1:40	1:20	1:15	1:20	1:20	2:00	
R26	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:15	1:20	1:20	1:40	1:20	1:15	1:20	1:20	2:00	
R27	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:15	1:20	1:20	1:40	1:20	1:15	1:20	1:20	2:00	

Table 4-1B. Time to Clear The Indicated Area of 90 Percent of the Affected Population (Page 3 of 3)

Region	Summer			Summer			Winter			Winter			Summer			Summer		
	Midweek			Weekend			Midweek			Weekend			Weekend Classic			Weekend Harbor Fest		
	Midday			Midday			Midday			Midday			Midday			Midday		
	Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Good Weather	Good Weather
Regions Extending to EPZ Boundary																		
R28	1:25	1:25	1:30	1:30	1:40	1:40	1:25	1:25	1:25	1:15	1:15	1:35	1:20	1:20	1:20	1:15	1:20	2:00
R29	1:25	1:25	1:30	1:30	1:40	1:40	1:25	1:25	1:40	1:15	1:15	1:35	1:20	1:20	1:20	1:15	1:20	2:00
R30	2:10	2:20	1:35	1:45	1:45	1:45	2:20	2:20	2:35	1:30	1:40	2:00	1:25	1:25	1:25	1:30	1:25	2:30
R31	2:20	2:25	1:40	1:50	1:50	1:50	2:20	2:20	2:35	1:40	1:45	2:10	1:30	1:30	1:30	1:40	1:30	2:30
R32	2:25	2:30	1:45	1:55	1:55	1:55	2:25	2:25	2:45	1:45	1:55	2:20	1:40	1:40	1:40	1:45	1:40	2:30
R33	2:25	2:35	1:45	1:55	1:55	1:55	2:25	2:25	2:50	1:45	1:55	2:20	1:40	1:40	1:40	1:45	1:40	2:30
R34	2:20	2:25	1:45	1:55	1:55	1:55	2:20	2:20	2:40	1:45	1:50	2:15	1:40	1:40	1:40	1:45	1:40	2:25
R35	2:20	2:25	1:45	1:55	1:55	1:55	2:20	2:20	2:40	1:45	1:50	2:20	1:40	1:40	1:40	1:45	1:50	2:30
R36	2:20	2:25	1:50	2:00	2:00	2:00	2:20	2:20	2:45	1:50	1:55	2:25	1:45	1:45	1:45	2:05	2:35	2:35
R37	2:20	2:25	1:50	2:00	2:00	2:00	2:20	2:20	2:45	1:50	1:55	2:25	1:45	1:45	1:45	2:05	2:35	2:35
R38	2:25	2:30	1:55	2:05	2:05	2:05	2:25	2:25	2:55	1:55	2:05	2:30	1:50	1:50	1:50	2:25	3:30	2:35
R39	2:25	2:30	1:55	2:05	2:05	2:05	2:25	2:25	2:50	1:55	2:00	2:30	1:50	1:50	1:50	2:30	3:35	2:40
R40	2:40	2:55	2:45	3:00	3:00	3:00	3:00	3:00	3:15	2:30	2:50	3:15	2:30	2:30	2:30	4:05	5:45	3:00
R41	2:35	2:55	2:45	3:00	3:00	3:00	3:00	3:00	3:15	2:35	2:50	3:15	2:35	2:35	2:35	4:05	5:45	2:55
R42	2:40	3:00	2:50	3:05	3:05	3:05	3:00	3:00	3:25	2:40	2:55	3:20	2:35	2:35	2:35	4:10	5:50	2:50
R43	2:50	3:05	3:00	3:15	3:15	3:15	3:10	3:10	3:25	2:45	3:00	3:30	2:45	2:45	2:45	4:20	5:55	2:55
R44	2:50	3:10	3:00	3:20	3:20	3:20	3:10	3:10	3:25	2:50	3:00	3:30	2:45	2:45	2:45	4:20	6:00	2:50
R45	3:00	3:20	3:15	3:35	3:35	3:35	3:10	3:10	3:25	3:00	3:15	3:45	2:55	2:55	2:55	4:40	6:25	3:00
R46	3:00	3:20	3:15	3:35	3:35	3:35	3:10	3:10	3:25	3:00	3:15	3:45	2:55	2:55	2:55	4:40	6:30	3:00
R47	3:00	3:15	3:15	3:35	3:35	3:35	3:10	3:10	3:25	3:00	3:15	3:45	3:00	3:00	3:00	4:10	5:15	3:00
R48	1:30	1:30	1:20	1:20	1:20	1:20	1:30	1:30	1:50	1:20	1:20	1:45	1:20	1:20	1:20	1:20	1:45	2:10
R49	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:40	1:15	1:20	1:40	1:20	1:20	1:20	1:15	1:20	2:00
R50	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:40	1:15	1:20	1:40	1:20	1:20	1:20	1:15	1:20	2:00
R51	1:25	1:25	1:15	1:20	1:20	1:20	1:25	1:25	1:40	1:15	1:20	1:40	1:20	1:20	1:20	1:15	1:20	2:00

Table 4-1C. Time to Clear The Indicated Area of 95 Percent of the Affected Population (Page 1 of 3)																	
Region	Summer			Summer			Winter			Winter			Summer			Summer	
	Good Weather	Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Weekend Classic		Midweek	
		Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Snow	Rain	Good Weather	Snow	Good Weather	Midday	Good Weather	
Entire 2-Mile, 5-Mile Circles and EPZ																	
R01	1:40	1:40	1:25	1:25	1:30	1:40	1:40	1:40	1:25	1:25	1:25	1:55	1:30	1:30	1:25	1:30	2:20
R02	2:50	3:05	3:25	3:25	2:40	2:50	3:05	3:05	3:35	3:35	2:45	3:00	3:35	2:35	3:55	7:05	3:05
R03	3:30	3:55	3:40	4:05	3:25	3:30	3:30	3:50	4:30	3:25	3:25	3:45	4:15	3:20	5:15	7:05	3:30

Table 4-1C. Time to Clear The Indicated Area of 95 Percent of the Affected Population (Page 2 of 3)

Region	Summer			Summer			Winter			Winter			Summer			Summer		
	Midweek		Good Weather	Weekend		Good Weather	Midweek		Good Weather	Weekend		Good Weather	Midweek		Good Weather	Weekend		Good Weather
	Midday	Rain		Midday	Rain		Midday	Rain		Midday	Rain							
Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather	Good Weather	Rain	Good Weather
Regions Extending to 5-Miles																		
R04	1:40	1:40	1:25	1:25	1:40	1:40	1:40	2:05	1:25	1:25	1:55	1:30	1:30	R04	1:25	1:30	2:20	2:20
R05	1:40	1:40	1:25	1:25	1:40	1:40	1:40	2:05	1:25	1:25	1:55	1:30	1:30	R05	1:25	1:30	2:20	2:20
R06	2:15	2:25	1:30	1:40	1:30	2:10	2:25	2:40	1:30	1:40	2:05	1:30	1:30	R06	1:30	1:30	2:40	2:40
R07	2:20	2:40	1:35	1:45	1:40	2:25	2:40	2:50	1:40	1:45	2:10	1:40	1:40	R07	1:40	1:40	2:40	2:40
R08	2:20	2:40	1:35	1:45	1:40	2:25	2:40	2:50	1:40	1:45	2:10	1:40	1:40	R08	1:40	1:40	2:40	2:40
R09	2:20	2:40	1:35	1:45	1:40	2:20	2:35	2:50	1:35	1:45	2:10	1:40	1:40	R09	1:35	1:40	2:40	2:40
R10	2:20	2:25	1:35	1:45	1:40	2:25	2:30	2:55	1:40	1:45	2:10	1:40	1:40	R10	1:40	1:40	2:40	2:40
R11	2:25	2:30	1:40	1:45	1:45	2:25	2:30	2:50	1:40	1:45	2:15	1:45	1:45	R11	1:40	2:20	2:40	2:40
R12	2:25	2:30	1:40	1:45	1:45	2:25	2:30	2:50	1:40	1:45	2:15	1:45	1:45	R12	1:40	2:20	2:40	2:40
R13	2:25	2:30	1:40	1:45	1:45	2:25	2:30	2:50	1:40	1:45	2:15	1:45	1:45	R13	1:40	2:20	2:40	2:40
R14	2:05	2:10	1:35	1:40	1:35	2:00	2:10	2:25	1:35	1:40	2:10	1:35	1:35	R14	3:20	6:55	2:25	2:25
R15	2:05	2:10	1:35	1:40	1:35	2:00	2:10	2:25	1:35	1:40	2:10	1:35	1:35	R15	3:20	6:55	2:25	2:25
R16	2:00	2:05	1:35	1:35	1:35	1:55	2:05	2:20	1:30	1:35	2:10	1:35	1:35	R16	3:20	6:55	2:45	2:45
R17	2:00	2:05	1:35	1:35	1:35	1:55	2:05	2:20	1:30	1:35	2:10	1:35	1:35	R17	3:20	6:55	2:45	2:45
R18	1:55	1:55	1:35	1:35	1:35	1:55	2:00	2:15	1:30	1:35	2:10	1:40	1:40	R18	3:25	7:00	2:35	2:35
R19	1:55	1:55	1:35	1:35	1:35	1:55	2:00	2:15	1:30	1:35	2:10	1:40	1:40	R19	3:25	7:00	2:35	2:35
R20	1:55	1:55	1:30	1:30	1:30	1:55	1:55	2:15	1:30	1:30	2:05	1:30	1:30	R20	3:30	7:05	2:35	2:35
R21	1:55	1:55	1:30	1:30	1:30	1:55	1:55	2:15	1:30	1:30	2:05	1:30	1:30	R21	3:30	7:05	2:35	2:35
R22	1:55	1:55	1:30	1:30	1:30	1:55	1:55	2:15	1:30	1:30	2:05	1:30	1:30	R22	3:35	7:05	2:30	2:30
R23	1:45	1:45	1:30	1:30	1:30	1:45	1:45	2:10	1:30	1:30	2:00	1:30	1:30	R23	1:25	1:55	2:20	2:20
R24	1:45	1:45	1:30	1:30	1:30	1:45	1:45	2:10	1:30	1:30	2:00	1:30	1:30	R24	1:25	1:55	2:20	2:20
R25	1:40	1:40	1:25	1:25	1:25	1:40	1:40	2:05	1:25	1:25	1:55	1:30	1:30	R25	1:25	1:30	2:20	2:20
R26	1:40	1:40	1:25	1:25	1:25	1:40	1:40	2:05	1:25	1:25	1:55	1:30	1:30	R26	1:25	1:30	2:20	2:20
R27	1:40	1:40	1:25	1:25	1:25	1:40	1:40	2:05	1:25	1:25	1:55	1:30	1:30	R27	1:25	1:30	2:20	2:20

Table 4-1C. Time to Clear The Indicated Area of 95 Percent of the Affected Population (Page 3 of 3)

Region	Summer				Summer				Winter				Winter				Summer				Summer			
	Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend	
	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain
Regions Extending to EPZ Boundary																								
R28	1:35	1:35	1:40	1:55	1:25	R28	1:35	1:40	2:00	1:25	1:25	1:55	1:30	R28	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	2:20
R29	1:35	1:35	1:40	1:55	1:25	R29	1:35	1:40	2:00	1:25	1:25	1:55	1:30	R29	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	1:25	2:20
R30	2:30	2:40	1:45	1:55	1:35	R30	2:30	2:40	3:00	1:45	1:50	2:15	1:35	R30	1:45	1:45	1:35	1:35	1:35	1:35	1:35	1:35	1:35	2:50
R31	2:40	2:45	1:50	2:00	1:40	R31	2:30	2:50	3:10	1:50	1:55	2:20	1:40	R31	1:50	1:50	1:40	1:40	1:40	1:40	1:40	1:40	1:40	3:00
R32	2:45	2:55	1:55	2:15	1:50	R32	2:45	3:00	3:10	2:00	2:10	2:35	1:50	R32	2:00	2:00	1:50	1:50	1:50	1:50	1:50	1:50	1:50	3:00
R33	2:45	3:05	2:00	2:15	1:55	R33	2:50	3:05	3:20	2:00	2:15	2:40	1:55	R33	2:00	2:00	1:50	1:55	1:55	1:55	1:55	1:55	1:55	3:00
R34	2:40	2:50	1:55	2:10	1:55	R34	2:40	2:50	3:10	2:00	2:10	2:35	1:55	R34	2:00	2:00	1:55	1:55	1:55	1:55	1:55	1:55	1:55	3:00
R35	2:40	2:50	1:55	2:10	1:55	R35	2:40	2:55	3:10	2:00	2:10	2:35	1:55	R35	2:00	2:00	2:05	2:05	2:05	2:05	2:05	2:05	2:05	3:00
R36	2:40	2:50	2:05	2:20	2:00	R36	2:40	2:55	3:10	2:05	2:15	2:45	2:00	R36	2:20	2:20	3:00	3:00	3:00	3:00	3:00	3:00	3:00	3:00
R37	2:40	2:50	2:05	2:20	2:00	R37	2:40	2:55	3:10	2:05	2:15	2:45	2:00	R37	2:20	2:20	3:00	3:00	3:00	3:00	3:00	3:00	3:00	3:00
R38	2:45	3:00	2:15	2:25	2:10	R38	2:45	2:55	3:25	2:15	2:25	2:55	2:10	R38	2:55	2:55	4:25	4:25	4:25	4:25	4:25	4:25	4:25	3:00
R39	2:40	2:55	2:20	2:25	2:10	R39	2:40	2:55	3:15	2:15	2:25	2:50	2:10	R39	2:55	2:55	4:30	4:30	4:30	4:30	4:30	4:30	4:30	3:00
R40	3:10	3:35	3:25	3:50	3:10	R40	3:25	3:45	4:20	3:10	3:25	4:00	3:10	R40	4:55	4:55	6:35	6:35	6:35	6:35	6:35	6:35	6:35	3:20
R41	3:15	3:40	3:25	3:50	3:15	R41	3:25	3:45	4:25	3:15	3:30	4:00	3:10	R41	4:55	4:55	6:35	6:35	6:35	6:35	6:35	6:35	6:35	3:20
R42	3:20	3:45	3:30	3:55	3:15	R42	3:25	3:50	4:25	3:15	3:30	4:05	3:10	R42	4:55	4:55	6:35	6:35	6:35	6:35	6:35	6:35	6:35	3:20
R43	3:25	3:50	3:35	4:00	3:20	R43	3:30	3:50	4:30	3:20	3:40	4:10	3:15	R43	5:00	5:00	6:40	6:40	6:40	6:40	6:40	6:40	6:40	3:20
R44	3:30	3:50	3:35	4:00	3:20	R44	3:30	3:50	4:30	3:25	3:40	4:10	3:20	R44	5:00	5:00	6:45	6:45	6:45	6:45	6:45	6:45	6:45	3:20
R45	3:30	3:55	3:40	4:05	3:20	R45	3:30	3:50	4:30	3:25	3:45	4:15	3:20	R45	5:10	5:10	7:00	7:00	7:00	7:00	7:00	7:00	7:00	3:30
R46	3:30	3:55	3:40	4:05	3:25	R46	3:30	3:50	4:30	3:25	3:45	4:15	3:20	R46	5:15	5:15	7:00	7:00	7:00	7:00	7:00	7:00	7:00	3:30
R47	3:30	3:45	3:40	4:00	3:20	R47	3:30	3:45	4:25	3:25	3:45	4:15	3:20	R47	4:40	4:40	5:55	5:55	5:55	5:55	5:55	5:55	5:55	3:20
R48	1:45	1:45	1:30	1:30	1:30	R48	1:45	1:45	2:10	1:30	1:30	2:00	1:30	R48	1:25	1:25	1:55	1:55	1:55	1:55	1:55	1:55	1:55	2:20
R49	1:40	1:40	1:25	1:25	1:30	R49	1:40	1:40	2:05	1:25	1:25	1:55	1:30	R49	1:25	1:25	1:30	1:30	1:30	1:30	1:30	1:30	1:30	2:20
R50	1:40	1:40	1:25	1:25	1:30	R50	1:40	1:40	2:05	1:25	1:25	1:55	1:30	R50	1:25	1:25	1:30	1:30	1:30	1:30	1:30	1:30	1:30	2:20
R51	1:40	1:40	1:25	1:25	1:30	R51	1:40	1:40	2:05	1:25	1:25	1:55	1:30	R51	1:25	1:25	1:30	1:30	1:30	1:30	1:30	1:30	1:30	2:20

Table 4-1D. Time to Clear The Indicated Area of 100 Percent of the Affected Population (Page 1 of 3)																
Region	Summer			Summer			Winter			Winter			Summer			Summer
	Midweek			Weekend			Midweek			Weekend			Weekend Classic			
	Midweek			Midweek			Midweek			Midweek			Midweek			
	Midday			Midday			Midday			Midday			Midday			
	Good Weather	Rain	Good Weather	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Rain	Snow	Good Weather	Good Weather	Midday	
Entire 2-Mile, 5-Mile Circles and EPZ																
R01	2:20	2:20	1:50	1:50	2:20	2:20	2:20	2:30	1:50	1:50	2:20	1:50	1:50	1:50	2:40	
R02	3:20	3:40	3:45	4:10	4:10	3:20	3:40	4:10	3:05	3:35	4:10	2:55	4:55	7:45	3:30	
R03	4:30	4:55	4:20	4:50	4:50	4:30	4:45	5:35	4:10	4:30	5:05	4:00	6:55	8:20	4:40	

Table 4-1D. Time to Clear The Indicated Area of 100 Percent of the Affected Population (Page 2 of 3)

Region	Summer		Summer		Summer		Winter		Winter		Winter		Winter		Winter		Summer		Summer		Summer	
	Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Midweek		Weekend		Weekend Classic		Harbor Fest		Midweek	
	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	Rain	Good Weather	
																						Midweek
Regions Extending to 5-Miles																						
R04	2:20	2:20	1:50	1:50	1:50	1:50	1:50	2:20	2:20	2:20	2:20	2:20	2:20	1:50	1:50	1:50	2:20	1:50	1:50	1:50	2:40	
R05	2:20	2:20	1:50	1:50	1:50	1:50	1:50	2:20	2:20	2:20	2:20	2:20	2:20	1:50	1:50	1:50	2:20	1:50	1:50	1:50	2:40	
R06	2:35	2:50	1:45	1:45	1:45	1:45	2:55	3:05	3:05	2:55	2:55	2:55	2:55	1:45	1:45	1:45	2:30	1:45	1:45	1:45	3:00	
R07	2:35	2:55	2:00	2:00	2:00	2:00	2:55	3:10	3:10	2:55	2:55	2:55	2:55	2:00	2:00	2:00	2:30	2:05	2:05	2:05	3:00	
R08	2:35	2:55	2:00	2:00	2:00	2:00	2:55	3:10	3:10	2:55	2:55	2:55	2:55	2:00	2:00	2:00	2:30	2:05	2:05	2:05	3:00	
R09	2:35	3:00	1:45	1:50	1:50	1:50	2:55	3:10	3:10	2:55	2:55	2:55	2:55	1:45	1:45	1:45	2:30	2:05	2:05	2:05	3:00	
R10	2:40	2:50	1:45	2:00	2:00	2:05	2:50	3:25	3:25	2:50	2:50	2:50	2:50	2:05	2:05	2:05	2:30	2:05	2:05	2:05	3:10	
R11	2:45	2:55	1:45	2:15	2:15	2:15	3:00	3:20	3:20	2:45	2:45	2:45	2:45	1:45	1:45	1:45	2:30	2:05	2:05	2:05	3:10	
R12	2:45	2:55	1:45	2:15	2:15	2:15	3:00	3:20	3:20	2:45	2:45	2:45	2:45	1:45	1:45	1:45	2:30	2:05	2:05	2:05	3:10	
R13	2:45	2:55	1:45	2:15	2:15	2:15	3:00	3:20	3:20	2:45	2:45	2:45	2:45	1:45	1:45	1:45	2:30	2:05	2:05	2:05	3:10	
R14	2:20	2:20	2:05	2:15	2:15	2:15	2:30	2:45	2:45	2:20	2:20	2:20	2:20	1:45	1:45	1:45	2:30	1:45	1:45	1:45	3:10	
R15	2:20	2:20	2:05	2:15	2:15	2:15	2:30	2:45	2:45	2:20	2:20	2:20	2:20	1:45	1:45	1:45	2:30	1:45	1:45	1:45	3:10	
R16	2:15	2:20	2:05	2:05	2:05	2:05	2:30	2:40	2:40	2:15	2:15	2:15	2:15	1:40	1:40	1:40	2:30	2:05	2:05	2:05	3:10	
R17	2:15	2:20	2:05	2:05	2:05	2:05	2:30	2:40	2:40	2:15	2:15	2:15	2:15	1:40	1:40	1:40	2:30	2:05	2:05	2:05	3:10	
R18	2:20	2:20	2:05	2:05	2:05	2:15	2:35	2:35	2:35	2:20	2:20	2:20	2:20	1:40	1:40	1:40	2:30	2:15	2:15	2:15	3:00	
R19	2:20	2:20	2:05	2:05	2:05	2:15	2:35	2:35	2:35	2:20	2:20	2:20	2:20	1:40	1:40	1:40	2:30	2:15	2:15	2:15	3:00	
R20	2:20	2:20	1:45	1:45	1:45	1:40	2:30	2:30	2:30	2:20	2:20	2:20	2:20	1:45	1:45	1:45	2:30	1:45	1:45	1:45	3:00	
R21	2:20	2:20	1:45	1:45	1:45	1:40	2:30	2:30	2:30	2:20	2:20	2:20	2:20	1:45	1:45	1:45	2:30	1:45	1:45	1:45	3:00	
R22	2:25	2:25	1:40	1:40	1:40	1:40	2:30	2:30	2:30	2:25	2:25	2:25	2:25	1:40	1:40	1:40	2:30	1:45	1:45	1:45	2:50	
R23	2:25	2:25	1:40	1:40	1:40	1:40	2:30	2:30	2:30	2:30	2:30	2:30	2:30	1:40	1:40	1:40	2:30	1:40	1:40	1:40	2:50	
R24	2:25	2:25	1:40	1:40	1:40	1:40	2:30	2:30	2:30	2:30	2:30	2:30	2:30	1:40	1:40	1:40	2:30	1:40	1:40	1:40	2:50	
R25	2:20	2:20	1:50	1:50	1:50	1:50	2:20	2:30	2:30	2:20	2:20	2:20	2:20	1:50	1:50	1:50	2:20	1:50	1:50	1:50	2:40	
R26	2:20	2:20	1:50	1:50	1:50	1:50	2:20	2:30	2:30	2:20	2:20	2:20	2:20	1:50	1:50	1:50	2:20	1:50	1:50	1:50	2:40	
R27	2:20	2:20	1:50	1:50	1:50	1:50	2:20	2:30	2:30	2:20	2:20	2:20	2:20	1:50	1:50	1:50	2:20	1:50	1:50	1:50	2:40	

Table 4-1D. Time to Clear The Indicated Area of 100 Percent of the Affected Population (Page 3 of 3)

Region	Summer			Summer			Summer			Winter			Winter			Winter			Summer			Summer		
	Midweek			Weekend			Midweek			Midweek			Weekend			Weekend			Weekend			Midweek, Peak Construction Scenario		
	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather	Rain	Midday	Good Weather		

Regions Extending to EPZ Boundary