

# Emergency Support Functions Annex

## ESF-1 TRANSPORTATION

**ESF Coordinator:**

Department of General Services

**Section:**

Operations

**Branch:**

Infrastructure

**Group:**

Transportation Infrastructure

**Primary Agency:**

Department of General Services  
*Transit and Commuter Services*

**Support Agencies:**

Town of Leesburg  
*Public Works Department*  
Town of Purcellville  
*Public Works Department*  
Virginia Department of Transportation

**Community Lifeline(s):**

Transportation

## INTRODUCTION

### Purpose

Emergency Support Function (ESF)-1 Transportation provides guidance and direction to designated agencies responsible for managing, assessing, and restoring the transportation infrastructure and resources during a significant event.

### Scope

ESF-1 Transportation coordinates resources necessary to manage, maintain, and restore the transportation system and infrastructure during a significant event. Activities within the scope of ESF-1 functions include: monitors and reports conditions; conducts damage assessments; identifies alternative transportation solutions; and coordinates and establishes priorities regarding restoration and recovery activities.

### Relevant Laws, Statutes, Plans, and Policies

- ▶ Loudoun County Emergency Operations Center (EOC) Policies and Procedures Guide

### ESF Planning Assumptions

- ▶ The local transportation infrastructure will likely sustain damage. The damage, dependent upon the integrity of the transportation network, will determine the effectiveness and efficiency of response and recovery.
- ▶ Local Virginia Department of Transportation (VDOT) resources may become overwhelmed quickly or be relocated to other areas in the region during an emergency.

- ▶ Rapid damage assessments of impacted areas will assist in the determination of response priorities and transportation demands.

## ORGANIZATION

### ESF Responsibilities

- ▶ Reports to and takes direction from the Infrastructure Branch Director.
- ▶ Provides informational updates to the Planning Section.
- ▶ Develops plans, policies, and procedures necessary to resolve transportation issues during the significant event.
- ▶ Documents information and actions related to transportation missions and assignments.
- ▶ Utilizes current methods and procedures to process requests for assistance.
- ▶ Submits a detailed record of costs and expenditures to the Finance and Administration Section.

### Agency Responsibilities

#### Department of General Services

Transit and Commuter Services

- ▶ The agency recognized with ESF coordination. DGS is responsible for overall ESF leadership and coordination associated with transportation systems and infrastructure during a significant event. Emergency operational policies and procedures developed by OTS provide the framework for carrying out these activities.

#### Town of Leesburg

Public Works Department (LPW)

- ▶ Serves as the department with primary responsibility for transportation systems and infrastructure within the incorporated Town of Leesburg. LPW serves as the town liaison for all transportation systems and infrastructure issues.

#### Town of Purcellville

Public Works Department (PPWD)

- ▶ Serves as the department with primary responsibility for transportation systems and infrastructure within the incorporated Town of Purcellville. PPWD serves as the town liaison for all transportation systems and infrastructure issues.

#### Virginia Department of Transportation (VDOT)

- ▶ Maintains primary responsibility for the transportation infrastructure throughout Loudoun County. VDOT is responsible for clearing and maintaining primary and secondary roadways and providing frequent status updates.

## MISSIONS AND ASSIGNMENTS

- Mission 1:** Manages resources necessary to monitor, maintain, and restore transportation systems and infrastructure.
- Assignment 1-1: Establishes and maintains a primary route to all identified critical facilities.
- Assignment 1-2: Identifies, prioritizes, procures, and allocates available resources to maintain and restore the transportation infrastructure.
- Assignment 1-3: Considers future (in the subsequent 12 to 24-hour period) resource requirements and conveys to EOC leadership.
- Mission 2:** Provides situational updates regarding transportation systems and infrastructure conditions.
- Assignment 2-1: Maintains and updates information related to road closures, infrastructure damage, debris clearance, and restoration activities.
- Mission 3:** Conducts damage assessments and documents, analyzes, and reports results.
- Assignment 3-1: Assesses the conditions of primary and secondary roadways, bridges, and other integral components of the transportation infrastructure. Coordinates and facilitates the closure of components determined to be unsafe.
- Mission 4:** Identifies transportation alternatives that can be implemented when systems or infrastructure are damaged, unavailable, or overwhelmed.
- Assignment 4-1: Coordinates transportation assets and identifies emergency transportation routes for the conveyance of human and material resources.
- Mission 5:** Coordinates initial transportation systems and infrastructure restoration and recovery activities.
- Assignment 5-1: Identifies and prioritizes restoration and recovery initiatives.

## COMMUNITY LIFELINE(S)

### Transportation

1. Highway/Roadway/Motor Vehicle (Roads & Bridges)
  - ▶ Identify the status of local roads and bridges.
  - ▶ Determine impact to response operations and how they will improve if component is stabilized.
  - ▶ Identify actions that must be taken to improve local roads and bridges.
  - ▶ Evaluate factors that may limit the ability to make improvements.
  - ▶ Establish restoration timeline for roads and bridges.
  
2. Mass Transit (Bus, Rail, Ferry)
  - ▶ Identify the status of bus, rail, and ferry (when available) transit facilities and equipment.
  - ▶ Determine impact to response operations and how they will improve if component is stabilized.
  - ▶ Identify actions that must be taken to improve mass transit services.
  - ▶ Evaluate factors that may limit the ability to make improvements.
  - ▶ Establish restoration timeline for mass transit services.
  
3. Aviation (Commercial & General)  
*To be completed by ESF 5 Emergency Management; Planning – Situation Unit*
  - ▶ Identify the status of the airports in Loudoun County (Washington Dulles International and Leesburg Executive Airport).
  - ▶ Determine impact to response operations and how they will improve if component is stabilized.
  - ▶ Identify actions that must be taken to improve airport/aviation operations.
  - ▶ Evaluate factors that may limit the ability to make improvements.
  - ▶ Establish restoration timeline for local airport/aviation operations.