

EMERGENCY SUPPORT FUNCTION #1—TRANSPORTATION

LEAD AGENCIES

Transportation Infrastructure

Pierce County Planning & Public Works Department
Maintenance & Operations Division
Office of the County Engineer Division
Airport & Ferry Division

Movement of People and Commonly Recognized Companion Animals

Pierce Transit
Pierce County Department of Emergency Management (DEM)

SUPPORT AGENCIES

Joint Base Lewis-McChord
Municipal Public Works Departments
Port of Tacoma
Pierce County Human Services-Transportation Program
Pierce County Coordinated Transportation Coalition (PCCTC)

Private and Public Rail Carriers

BNSF
Union Pacific
Amtrak
Tacoma Public Utilities
Sound Transit

STATE LEAD

Washington State Department of Transportation (WSDOT)

I. INTRODUCTION

A. Purpose

To provide organization, mobilization, and coordination of:

1. Transportation infrastructure systems restoration in Pierce County.
2. Transportation services for the movement of people and commonly recognized companion animals.

B. Scope

Transportation Infrastructure: Regional transportation infrastructure includes surface roads, bridges, tunnels, railways, ferries, waterways, and airport runways. The responsibility for prioritization and restoration of transportation infrastructure systems is the responsibility of the entity that owns the infrastructure.

Movement of People and Commonly Recognized Companion Animals: To provide guidance and direction to ensure effective coordination and utilization of the transportation systems for the movement of people and commonly recognized companion animals, hereafter shortened to “movement,” during emergencies and

disasters utilizing surface roads, maritime, aviation, and railway across the transportation network.

C. Core Capabilities and Actions

The following table lists the core capabilities that ESF #1 most directly supports along with the related ESF #1 actions. In addition to the core capabilities listed in the table, all ESFs support the following core capabilities: Planning, Operational Coordination, and Public Information and Warning.

Mission Area	Core Capability	Description and Actions
Response	Critical Transportation	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> 1. Establish physical access through appropriate transportation corridors. 2. Transition into recovery for road systems for an affected area. 3. Clear debris from road, rail, airfield, port facility, waterways to facilitate response operations as entities are responsible. <p>Movement</p> <ol style="list-style-type: none"> 4. Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the movement of people and animals, and the delivery of vital response personnel into the affected areas. 5. Restore basic transportation services for community functionality to save lives and to meet the needs of disaster survivors.
	Infrastructure Systems	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> 1. Assess, prioritize, and stabilize immediate infrastructure threats to the affected population. 2. Formalize partnerships with governmental and private sector cyber incident or emergency response teams to accept, assess, prioritize, and collaboratively respond to cascading impacts in an efficient manner. <p>Movement</p> <ol style="list-style-type: none"> 3. Compile and assess reported damage to the Pierce County transportation infrastructure and prioritize the use of the functional infrastructure.
Recovery	Infrastructure Systems	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> 1. Provide systems that meet the community needs while minimizing service disruption during restoration within the specified timeline in the recovery plan.

PIERCE COUNTY COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

Mission Area	Core Capability	Description and Actions
Recovery <i>(continued)</i>	Infrastructure Systems <i>(continued)</i>	<ol style="list-style-type: none"> 2. Restore and sustain essential public transportation services and infrastructure systems to maintain community functionality. 3. Develop a plan with a specified timeline for redeveloping community services and infrastructures to contribute to resiliency, accessibility, and sustainability.

II. POLICIES

- A. The Tacoma-Pierce County Emergency Operations Center (EOC)—hereafter called the “EOC”—will focus on the coordination of regional transportation response activities for emergencies and major disasters that affect Pierce County.
- B. Impacted organizations will utilize, to the greatest extent possible, day-to-day policies to facilitate the integrity of transportation; except when the situation requires exceptional policy changes or modifications.
- C. Lead, support, and State agencies will support the coordination and information collection of transportation damage assessments.
- D. Lead, support, and State agencies are responsible for the inspection, repair, and operation of its resources or to those agencies with contractual agreements to maintain resources.
- E. Lead and support agencies will ensure that they have robust Continuity of Operations (COOP) programs and plan for maintaining their essential functions.

III. SITUATION

- A. Emergency/Major Disaster Conditions and Hazards

Reference the Pierce County Hazard Identification and Risk Assessment (HIRA) for detailed information on the hazards that have the potential to impact Pierce County. The severity and scale of the emergency or major disaster may hinder the integrity of the transportation systems and the delivery of essential transportation services.
- B. Planning Assumptions
 - While it is directly relevant to the transportation systems within Pierce County, it must be understood that more than most infrastructure and transportation systems do not end at a jurisdictional boundary. While this ESF deals with transportation systems within Pierce County, it understands and references the fact that the transportation infrastructure of adjacent jurisdictions impacts resource acquisition and distribution within Pierce County.

- Damages may occur to the transportation infrastructure, resources, and assets—including fuel facilities, service shops, maintenance bays—in the event of an emergency or major disaster. The type and degree of damage will determine the effectiveness and efficiency of the response and recovery efforts.
- People who rely solely on transportation resources on a day to day basis will be impacted. Some people with access and functional needs who also rely on transportation resources will also be impacted, such as people who use paratransit services to get to dialysis centers.
- Human resource capacity may be impacted and therefore be limited.
- Initial response may be difficult to coordinate but will improve with the gradual clearing of access routes.
- Rapid damage assessment of the impact area must be made to determine response priorities and transportation demands. Repair to transportation infrastructure may be delayed due to insufficient availability of existing resources, engineering, and construction services.
- Lead, support, and State agencies will perform tasks under their own authorities as applicable, in addition to tasks received under the authority of this CEMP.

IV. CONCEPT OF OPERATIONS

A. General

1. Compile and assess reported damage to the Pierce County Road Operations Center (ROC), prioritize the use of the functional infrastructure, and report findings to the EOC via WebEOC and liaisons.
2. Compile and assess the capacity of the available transportation services for the movement of people and commonly recognized companion animals and prioritize their use.
3. Requests for transportation assistance will be received and prioritized by local jurisdictions and forwarded to their respective emergency operations/coordination centers.
4. Process and coordinate requests for transportation activities and resources between local, state, and federal agencies, cities, towns, special purpose jurisdictions, and private partners during the response phase immediately following an emergency or major disaster.

B. Mitigation Mission

Transportation Infrastructure

1. Surge staffing, re-routing, pre-staging of equipment, and readiness activities.

C. Response Mission

Transportation Infrastructure

1. Identification of evacuation routes will be a coordinated effort among the impacted agencies.
2. Coordinate restoration and repair of critical transportation facilities and systems including transit, roadways, ferry systems, bridges, railways, and airports.

Movement of People and Commonly Recognized Companion Animals

3. Various transportation services may be used in evacuation operations.

D. Recovery Mission

Transportation Infrastructure and Movement of People and Commonly Recognized Companion Animals

1. Assessment, restoration of services (modes), and re-establish routes (path).

V. RESPONSIBILITIES

Lead Agencies	ESF Responsibilities
Pierce County Planning & Public Works-Maintenance & Operations, and County Engineer	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> 1. Assign a liaison to the EOC to coordinate emergency response and initial recovery operations. 2. Coordinate transportation-related activities (such as re-routing, lifelines, restoration, etc.) with neighboring jurisdictions that are supporting this ESF, as capabilities allow, and after County infrastructure is managed. 3. Inspect and repair county transportation infrastructure, county facilities, and other appropriate buildings for structural integrity and safety. 4. Coordinate and control emergency traffic regulations in conjunction with appropriate law enforcement agencies. 5. Report operational status and resource requirements to the EOC. 6. Make temporary emergency repairs, bypasses, or debris clearing to provisionally restore transportation routes, facilities, and structures. 7. Provide an assessment of damages and operational status of transportation facilities and structures to respective EOCs. 8. Provide vehicles, equipment, materials, supplies, and on-site vehicle repair necessary for the function of Pierce County government and, as resources allow, for other affected jurisdictions during an emergency or major disaster.

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Lead Agencies	ESF Responsibilities
Pierce County Planning & Public Works-Maintenance & Operations, and County Engineer <i>(continued)</i>	9. Coordinate public information and provide public information officer(s) and support personnel to the Pierce County JIC, as indicated.
Municipal Public Works Departments	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> 1. Compile and assess damage assessments and operational status of local transportation system infrastructure and report to local jurisdiction EOC. 2. Prioritize the use of the local jurisdiction’s operational transportation system. 3. Coordinate with local law enforcement agencies to control traffic on operational transportation system. 4. Inspect and repair local jurisdiction’s roads, bridges, and traffic control equipment. 5. Coordinate transportation-related activities (such as re-routing, restoration, etc.) with neighboring jurisdictions that are supporting this ESF. 6. Provide vehicles, equipment, materials, supplies, and on-site vehicle repair necessary for the function of the local jurisdiction’s government and, as resources allow, for other affected jurisdictions during an emergency or major disaster. 7. Coordinate public information and provide public information officer(s) and support personnel to activated local jurisdiction EOCs and the EOC, as needed. 8. Provide post-event inspection of all repaired or replaced transportation system infrastructure for structural integrity and safety.
Pierce County Planning & Public Works-Airport & Ferry Division	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> 1. Report damage assessment and operational status to the EOC. 2. Conduct temporary repairs to provisionally restore airport and or ferry operations. 3. Ensure priority flights continue to operate, subject to safety procedures in and out of Pierce County airports. 4. Provide airport facilities and space for an emergency or major disaster staging area, as needed. 5. Ensure critical ferry operations are maintained, subject to safety procedures.

PIERCE COUNTY COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

Support Agencies	ESF Responsibilities
<p align="center">Joint Base Lewis-McChord</p>	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> 1. Coordinate with local jurisdictions for surface street detours, as needed. 2. Coordinate potential use of airfield for rotary and small fixed-wing aircraft as appropriate, and for the movement of people and goods to support a local response, if needed.
<p align="center">Pierce Transit</p>	<p>Movement</p> <ol style="list-style-type: none"> 1. Coordinate and provide emergency transit support and services for the movement of people, equipment, and supplies in Pierce County. 2. Coordinate service delivery as requested and as resources allow in the affected jurisdictions and zones. 3. Maintain transportation resources for the public, including specialized modes of transportation for the special needs' population. 4. Identify and coordinate the critical routes and communicate status to transportation liaison in the EOC. 5. Provide damage assessment and operational status of buses, transit facilities, and equipment to the EOC and or respective jurisdictional EOCs. Make temporary repairs to provisionally restore service and operations. 6. Provide personnel, communication assistance, buses, non-revenue vehicles, and equipment to assist Pierce County with emergency operations (response and recovery phases). 7. Coordinate public information and provide public information officer(s) and support personnel to the Pierce County JIC as indicated. 8. Provide windshield survey information to the EOC. 9. Liaison emergency operations with the EOC. 10. Return transit services to normal levels as soon as possible following the emergency or major disaster.
<p>Rail Carriers (BNSF, Union Pacific, Amtrak, Tacoma Public Utilities, and Sound Transit)</p>	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> 1. Provide support through available resources for transportation related missions in Pierce County.
<p align="center">Private Transportation Services</p>	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> 1. Provide emergency services, when possible. 2. Coordinate the use of available equipment and personnel resources to assist with emergency or major disaster operations as requested and as resources allow.

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Support Agencies	ESF Responsibilities
Human Services/Special Needs Transportation	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> Liaison with private and non-profit specialized transportation programs to determine the status of available vehicles/drivers to transport the accessible and functional needs population. Provide emergency bus services, when possible.
Port of Tacoma	<p>Transportation Infrastructure</p> <ol style="list-style-type: none"> Open docks and equipment for the transport of needed resources to assist response and recovery operations.
Sound Transit	<p>Transportation Infrastructure and Movement</p> <ol style="list-style-type: none"> Coordinate and provide emergency bus and light rail transportation support and services as resources allow between Pierce, King, and Snohomish Counties. Provide damage assessment and operational status of bus and rail bases, transit facilities, and equipment to the EOC and/or other activated local EOCs. Make temporary repairs to provisionally restore service and operations. Provide personnel, communication assistance, buses, non-revenue vehicles, and equipment to assist Pierce County with emergency operations, in the response and recovery phases of a major disaster. Coordinate public information through the Pierce County JIC as indicated. Provide windshield survey information to the EOC. Liaison emergency operations with the EOC. Return transit services to normal levels as soon as possible following the emergency or major disaster.

State Lead	ESF Responsibilities
Washington State Department of Transportation	<ol style="list-style-type: none"> Provide liaison to the EOC to coordinate emergency response and early recovery. Remove or reduce hazards on the highways that tend to endanger the traveling public. Close or restrict any portion of a state highway whenever the condition of any state highway is such that for any reason its unrestricted use or continued use will damage that state highway. Reconstruct, repair, and maintain state highways, bridges, and alternate routes. WSDOT is authorized to perform maintenance and construction work off the state highway right-of-way in close proximity to the highway to protect the facility and the traveling public (RCW 47.32.130).

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State Lead	ESF Responsibilities
<p>Washington State Department of Transportation <i>(continued)</i></p>	<ol style="list-style-type: none"> 5. Mobilize personnel and equipment required for emergency engineering services on state highways. 6. Perform damage assessment, determine the usable portions of the state highway network, and provide cost estimates for state highway facilities. 7. Assist the Washington State Patrol (WSP) by providing vehicle traffic control; assist in rerouting vehicle traffic around or away from the affected area; providing equipment and materials; and investigating injury reports and equipment loss. 8. Assist with hazardous materials incidents. 9. Provide communication to local jurisdiction Emergency Operations Center through all available means. 10. Provide information on emergency response activities to the media and public, as well as participating with the Pierce County Joint Information Center (JIC). 11. Provide reader board and signage resources on state highways, when requested and if available. 12. Provide liaison to the EOC to coordinate emergency response and early recovery, if available. 13. Report damage to Point Defiance or Tahlequah ferry facilities along with operational status of the Tahlequah ferry to the EOC. 14. Ensure critical ferry operations are maintained, subject to safety procedures. 15. Conduct temporary repairs to provisionally restore ferry operations.

VI. AREAS OF COORDINATION CROSSWALK

The following table describes the typical functions concurrently active during incidents involving ESF #1. Other ESF annexes are listed as a reference to guide coordination.

Function	Agency	ESF Annex
Public Works and Engineering	County, City, Town Departments	ESF #3
Logistics and Supply Chain	Various	ESF #7
Movement and Evacuation of Livestock and Large Animals	Washington State Animal Rescue Team (WSART)	ESF #11
Movement and Evacuation of People	Local Law Enforcement and Sheriff's Office	ESF #13

VII. AUTHORITIES AND REFERENCES

- Joint Base Lewis-McChord, Air Force 62 Airlift Wing Contingency Action Plan.
- Pierce Transit Public Safety Division, System Security and Emergency Preparedness Plan.
- Puget Sound Region Transportation Recovery Annex, July 2014.
- Washington Military Department-Emergency Management Division. 2017. *Emergency Support Function #1—Transportation Annex*. Camp Murray, WA: WMD-EMD.

VIII. TERMS AND DEFINITIONS

- (See Appendices I and II)
- **Commonly Recognized Companion Animals:** A familiar genus and or species of mammals, birds, reptiles, amphibians, fish, and invertebrates that can participate—safely, comfortably, and reasonably—in the movement or evacuation of people aboard a standard mode of transportation, such as a passenger bus. This definition excludes exotics and livestock but includes certified service animals, such as a dog or a miniature pony. It is expected that all animals will be properly contained and or controlled by their handlers for the duration of the movement.

IX. ATTACHMENTS

- (None)