

WASHINGTON COUNTY, OREGON COUNTYWIDE WINDSHIELD SURVEY PROCEDURES

July 2016

I. PURPOSE

The purpose of the Washington County Windshield Survey procedures is to define the operational concepts, organizational assignments, responsibilities, and procedures for the rapid assessment and reporting of damages to critical facilities and the associated human impacts (i.e., injury and loss of life) following an earthquake.

II. OBJECTIVES

The objectives of the Washington County windshield survey process are to:

- A. Identify the extent and magnitude of incident impact for overall situational awareness.
- B. Rapidly and very broadly assess damage to critical facilities and associated human impacts to inform incident prioritization and resource management.
- C. Ensure timely and deliberate sharing of assessment information to help establish a common operating picture and inform initial policy, support, and coordination actions.

III. RELATIONSHIP TO OTHER PLANS

- A. These procedures are the windshield survey tab to the Damage Assessment Annex of the Washington County Emergency Operations Plan.
- B. These procedures provide guidelines for county department, city, and special district windshield survey procedures.
- C. Assessment information developed pursuant to implementation of these procedures informs other county and agency damage assessment processes including building safety inspections, the countywide Initial

Damage Assessment (IDA), the Community Assessment for Public Health Emergency Response (CASPER), and the Red Cross Community Damage Assessment.

- D. These procedures work in conjunction with, but do not replace or supersede, the Emergency Transportation Route damage assessment procedures implemented by the Oregon Department of Transportation, the Washington County Department of Land Use and Transportation, neighboring counties, and the Portland Bureau of Transportation.

IV. DEFINITIONS

- A. Critical Facility – Facilities that are critical to government response activities as well as those that pose a substantial risk to life safety. For purposes of these procedures, the following specific facilities and categories of facilities are considered critical:

1. The Washington County Consolidated Communications Agency (i.e., the county 911 center)
2. Emergency Operations Centers (EOCs) and Department Operations Centers (DOCs)
3. Law enforcement facilities (command and control and maintenance)
4. Fire and emergency medical service facilities (command and control and maintenance)
5. Public works facilities (command and control and maintenance)
6. Sewage treatment facilities
7. Water treatment facilities
8. Scoggins Dam and Eldon Mills Dam
9. Hospitals
10. Emergency Transportation Routes (ETRs), other specifically identified critical arterials and collectors, and bridges and overpasses on those routes
11. Emergency fueling facilities identified by Washington County pursuant to the Oregon Fuel Action Plan
12. The Hillsboro Airport
13. National Guard armories
14. The Washington County Jail and the Coffee Creek Correctional Facility
15. K-12 public and private schools (when occupied)
16. Phone switching centers and central offices (landline and cellular)
17. Electrical system bulk power substations, operating centers performing dispatch functions, and maintenance/resource centers
18. Natural gas system maintenance/resource centers
19. The Comcast network head end, hubs, and dispatch center

20. Specifically identified hazardous material facilities which, if damaged, could cause serious human impact
 21. Long-term care facilities (including skilled nursing and assisted living facilities and residential care facilities (including independent living centers))
- B. Modified Mercalli Intensity (MMI) Scale – A seismic scale used for measuring the intensity of an earthquake. It measures the effects of an earthquake, and is distinct from the moment magnitude (M_w) usually reported for an earthquake, which is a measure of the energy released. The MMI scale quantifies the effects of an earthquake on the Earth's surface, humans, objects of nature, and man-made structures on a scale from I (not felt) to XII (total destruction). (See Appendix A for a description of the MMI Scale.)
- C. Windshield Survey – The rapid visual survey of a facility or structure typically completed from inside a vehicle with the goal of noting and recording obvious physical and human impacts at or immediately adjacent to the facility or structure.

V. SITUATION AND ASSUMPTIONS

A. Situation

As identified in the Washington County Hazard Analysis, there is just one hazardous event threatening the county that occurs spontaneously and has the potential for causing widespread deaths, injuries, and property damage. That event is an earthquake. All other hazardous events are slow-building or impact a more narrow area.

The rapid assessment of damages and human impact and the sharing of that information immediately following a widespread major incident are critical to establishing situational awareness at the local level and a common operating picture at the countywide level and are necessary for informed incident prioritization and resource allocation decisions.

The County Emergency Operations Center (EOC) and other agency EOCs and Department Operations Centers (DOCs) will not likely be activated at the time the windshield survey process is initiated. Exceptions would be if the EOCs and DOCs were already activated for another event or if an aftershock of significant magnitude occurred when the EOCs and DOCs had already been activated for an initial earthquake.

Critical facilities covered by this plan have been identified, classified and sorted by type (e.g., fire, law enforcement, public works, utilities, etc.),

mapped, and cataloged and each has been assigned a unique facility identifier. The identified facilities have been grouped geographically into sectors and each sector has been given a distinct name and assigned to a specific agency for survey. Those agencies have developed procedures to ensure the facilities are surveyed in an expedient manner. A master list of all facilities and sectors is maintained by the Washington County Emergency Management Office. (See Appendices B, C, and D for a list of facilities, community and sector codes, and survey assignments, and for facility and sector maps.)

Critical facilities have been grouped into sectors with a goal of allowing sector completion within two hours of the time the survey process is initiated.

In some cases, a single building or site houses several critical facilities. For example, the county's Walnut Street Center includes a public works maintenance facility, a fleet maintenance facility, and a Department Operations Center (DOC). For purposes of these procedures, an order of precedence has been established and the facility of highest precedence is the only one mapped. The order of precedence for these situations is:

1. Fire and Emergency Medical Services Facilities
2. Hospitals
3. Public Works Facilities
4. Law Enforcement Facilities
5. Other Government Facilities (e.g., Emergency Operations Center)
6. Utility Facilities
7. Schools
8. Managed Care Facilities
9. Fuel Facilities
10. HazMat Facilities

Washington County windshield surveys are performed by public safety and public works agencies and reported as identified in these procedures. Agency EOCs/DOCs need not be activated to carry out the procedures.

Agencies with assigned survey responsibilities may add other facilities to their survey procedures if they deem them critical to local response efforts. However, such facilities are not part of the countywide critical facility catalog and are not included in the countywide reporting process.

Communication system outages, transportation disruptions, the need to stop and render aid, and/or other circumstances will delay survey completion and reporting.

Not all agencies with assigned survey responsibilities have personnel on duty 24X7. This will delay completion of their surveys.

Off-duty personnel may not be able to report for hours or even days after the initial impact due to degraded transportation systems, disrupted communications, and family concerns. This will delay the completion and reporting of some windshield surveys.

Until the windshield survey process is completed, incident prioritization and resource allocation is based on best available information.

If centralized communications are lost, agencies must act independently to complete their surveys and assign their resources accordingly.

B. Assumptions

Sufficient personnel, equipment and facilities will be available to allow completion of the windshield survey process, although initially available resources may be limited.

All primary communications systems (trunked and repeated radio, landline, cell phone, and Internet) may be inoperative; backup systems (e.g., satellite telephones, simplex radio, and amateur radio) may be operational but offer limited capability. Despite communications outages, survey reports can still be made and the results shared through available communications systems or in person.

Transportation systems may be severely disrupted and pre-identified survey routes may be impassable, but windshield survey personnel will still be able to complete their assessments.

VI. PROCEDURES

A. The windshield survey process consists of vehicle-based assessments of critical facilities located across the county. Departments and agencies with assigned survey responsibilities conduct windshield surveys and report survey findings in accordance with these procedures.

B. The windshield survey process is implemented whenever an earthquake (initial or aftershock) of MMI V – VII or greater impacts Washington County. The process should also be activated whenever an earthquake, regardless of intensity, causes a loss of telephone or primary public safety communications systems or results in local damage that is reported through the media or over public safety communications systems. While

this threshold is subjective and the intensity of ground shaking and impact may vary widely across the county, the intent is that the procedures be activated whenever damage to critical facilities is known or likely to have occurred.

- C. The first agency to activate and begin the windshield survey process notifies WCCCA. WCCCA then informs all on-duty fire, law enforcement, and EMS personnel as well as the Washington County Emergency Management staff (or Washington County EOC, if activated) that the windshield survey procedures have been implemented. Severe communications degradation (i.e., Disaster Operations) may delay or eliminate notification through WCCCA.
- D. Once the windshield survey process has been initiated, each department and agency with windshield survey responsibilities implements their respective survey procedures and assesses their assigned facilities. The surveyors or survey teams record the facility assessment information on a standard survey form (Appendix E). Other significant impacts observed during the survey process are also recorded on the form. Whenever possible, surveyors photograph damages and append the pictures to their survey reports. If operational communications allow, survey teams can transmit their findings to their parent agencies on a facility-by-facility basis.
- E. Upon completing their assigned sectors, the surveyors or survey teams report sector completion and assessment findings to their parent department/agency. Each department/agency then compiles the information into a single agency/ department report and forwards it to the Washington County Emergency Management staff (or Washington County EOC, if activated) and to its public safety and other key response partners. The Sector Report Form (Appendix F) is used for department/agency reporting. In lieu of reporting on the Sector Report Form, agencies /departments can report survey results in WebEOC, the county's crisis management software program. The Washington County Emergency Management staff (or Washington County EOC, if activated) compiles a countywide report and shares it with all local governments, WCCCA, hospitals, large utility providers, Metro West Ambulance, the state Office of Emergency Management, and others as appropriate.
- F. Department/Agency reports include completion of assigned sectors, facility damage and human impact, and other significant impacts observed during the survey process. Sectors are reported by sector name. Damage and human impact are reported "by exception" (i.e., only facilities with damage and/or human impact are reported) and linked to the unique facility identifier. The countywide report includes critical facility damages and human impacts and other significant impacts observed

during the survey process.

- G. All life safety incidents observed during the survey process are reported to WCCCA by whatever means is possible.

VII. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES

A. General

The countywide windshield survey procedures are one element of a comprehensive damage assessment process designed to determine the extent, severity, and financial impacts of the event. The windshield surveys are the first component to be implemented but are typically only utilized following an instantaneous event with actual or potential widespread impacts on the community (i.e., an earthquake). The surveys are intended to provide a quick snapshot on the condition of critical infrastructure throughout the county, assist with development of a common operating picture, and guide initial incident prioritization and resource allocation activities.

B. Task Assignments

1. Washington County Emergency Management (or the Washington County EOC, if activated)
 - a. Assists WCCCA, if necessary, in notifying agencies of procedure activation;
 - b. Coordinates the countywide survey process once activated;
 - c. Collects and consolidates agency survey reports; and
 - d. Distributes countywide survey reports to Washington County public safety agencies and other agencies and organizations with a need for the information.
2. The Washington County Consolidated Communications Agency (WCCCA) notifies on-duty fire, law enforcement, and EMS personnel as well as the Washington County Emergency Management staff (or the Washington County EOC, if activated) when the windshield survey procedures have been implemented.
3. Departments/Agencies with survey responsibilities, which includes Washington County, the cities of Banks, Forest Grove, Cornelius, North Plains, Hillsboro, Beaverton, Tigard, Tualatin, and Sherwood; Tualatin Valley Fire and Rescue; Banks Fire District #13; Gaston Rural Fire District; and the Joint Water Commission, conduct post-earthquake windshield surveys and report survey findings to

Washington County Emergency Management (or the Washington County EOC, if activated) consistent with these procedures.

VIII. DIRECTION AND CONTROL

Once the windshield survey process is activated, each agency and department with survey responsibilities is responsible for managing its own survey process, directing its survey resources, and reporting survey results.

The Washington County Emergency Management staff (or the Washington County EOC, if activated) is responsible for coordinating the countywide survey process.

IX. ADMINISTRATION AND SUPPORT

A. Records and Reports

1. Departments/Agencies with survey responsibilities will:
 - a. Report survey findings to Washington County Emergency Management (or the Washington County EOC, if activated) consistent with these procedures.
 - b. Maintain a record of any survey conducted pursuant to these procedures consistent with department/agency records retention policies.
2. Washington County Emergency Management (or the Washington County EOC, if activated) will compile countywide survey reports and distribute them to Washington County public safety agencies and other agencies and organizations with a need for the information.
3. Washington County Emergency Management will maintain a record of the countywide survey reports compiled pursuant to these procedures consistent with the county's records retention policies.

B. Release of Windshield Survey Information

Windshield survey reports and photographs should be released consistent with the Oregon Public Records Law, the Health Insurance Portability and Accountability Act (HIPPA), and department/agency procedures for the release of information.

X. ANNEX DEVELOPMENT AND MAINTENANCE

The Washington County Emergency Management office maintains these procedures in cooperation with representatives of the departments and agencies identified in Section VII (Organization and Assignment of Responsibilities) and Appendix D (Community Codes, Sectors, and Assignments).

Each cooperating department and agency develops and maintains its own survey implementation procedures.

The critical facility lists incorporated into these procedures will be reviewed annually and appropriate changes made to both the lists and sector maps.

These procedures will be reviewed every two years in conjunction with review of the Damage Assessment Annex to the Washington County Emergency Operations Plan (EOP). They will also be reviewed following their use in an exercise or actual event.

APPENDICES:

Appendix A	Modified Mercalli Intensity Scale
Appendix B	Critical Facility List – Published separately
Appendix C	Community Codes, Sectors, and Agency Assignments
Appendix D	Critical Facility Maps – Published Separately
Appendix E	Windshield Survey Form
Appendix F	Sector Report Form

Appendix A

WASHINGTON COUNTY WINDSHIELD SURVEY PROCEDURES

Modified Mercalli Intensity Scale

- I. Not felt except by a very few under especially favorable conditions.
- II. Felt only by a few persons at rest, especially on upper floors of buildings.
- III. Felt quite noticeably by persons indoors, especially on upper floors of buildings. Many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. Duration estimated.
- IV. Felt indoors by many, outdoors by few during the day. At night, some awakened. Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.
- V. Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop.
- VI. Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.
- VII. Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built or badly designed structures; some chimneys broken.
- VIII. Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned.
- IX. Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations.
- X. Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent.

- XI. Few, if any (masonry) structures remain standing. Bridges destroyed. Rails bent greatly.
- XII. Damage total. Lines of sight and level are distorted. Objects thrown into the air.

Appendix B

**WASHINGTON COUNTY
WINDSHIELD SURVEY PROCEDURES**

Critical Facility List

[Published Separately]

Appendix C

WASHINGTON COUNTY WINDSHIELD SURVEY PROCEDURES

Community Codes, Sectors, and Agency Assignments

Assigned Sectors:

Community Code	Community Name	Sector	Community Description	Agency Assignment
ALO	Aloha	ALO01	Aloha – Bounded by W Baseline/SW Cornelius Pass Rd/TV Hwy/SW 209 th /SW Farmington/SW Madeline/SW 188 th /SW Kinnaman/SW 185 th	Tualatin Valley Fire & Rescue
		ALO02	Aloha – Bounded by SW Farmington/SW Grabhorn/SW Gassner/SW 190 th /SW Kemmer/SW 175 th /SW Scholls Ferry/SW Barrows/SW Murray/SW Hart/SW Bany/SW 185 th	Tualatin Valley Fire & Rescue
		ALO03	Aloha – Bounded by TV Hwy/SW 185 th /SW Kinnaman/SW 188 th /SW Madeline/SW 185 th /SW Bany/SW Hart/SW Murray. Includes Farmington Square at SW Farmington and SW Murray.	Tualatin Valley Fire & Rescue
BAN	Banks	BAN01	Banks/Roy/Manning/Buxton	Banks Fire District #13
		BAN01a	Banks Well Pump House/Treatment Facility	City of Banks
		BAN01b	Banks Water Treatment Slow Sand Filter	City of Banks
		BAN01c	Timber Fire Station	Banks Fire District #13
BET	Bethany	BET01	Washington County north of Sunset Hwy and east and south of NW Cedar Hills/NW 113 th /NW Rainmont/NW 111 th /NW McDaniel	Tualatin Valley Fire & Rescue

Community Code	Community Name	Sector	Community Description	Agency Assignment
BET	Bethany	BET02	Washington County north of Sunset Hwy and bounded by NW 174 th /NW Laidlaw/NW 164 th /NW Springville/the county line/NW McDaniel/NW 111 th /NW Rainmont/NW 113 th / NW Cedar Hills	Tualatin Valley Fire & Rescue
		BET03	Washington County north of Sunset Highway and bounded by NW Century/NW West Union/ NW 185 th /NW Brugger/NW Joss/NW 164 th /NW Laidlaw/NW 174 th	Tualatin Valley Fire & Rescue
		BET03a	TVFR Station 368 and Skyline Elementary	Tualatin Valley Fire & Rescue
BTN	Beaverton	BTN01n	Beaverton – Bounded by Sunset Hwy/NW 185 th /W Baseline/SW Jenkins/SW Murray	City of Beaverton
		BTN01s	Beaverton – Bounded by SW Jenkins/W Baseline/SW 185 th / TV Hwy/SW Murray	City of Beaverton
		BTN02	Beaverton – Bounded by Sunset Hwy/SW Murray/SW Farmington/Hwy 217	Tualatin Valley Fire & Rescue
		BTN03	Beaverton – Bounded by Sunset Hwy/Hwy 217/Beaverton Hillsdale Hwy/the county line/SW Scholls Ferry (not including ODOT Facility at Hwy 26 and SW Scholls Ferry (PW047)	Tualatin Valley Fire & Rescue
			ODOT Facility at Hwy 26 and SW Scholls Ferry	Washington County
		BTN04n	Beaverton – Bounded by Beaverton Hillsdale Hwy/Hwy 217/SW Denny/SW Scholls Ferry/SW 92 nd /SW Garden Home/SW Multnomah/the county line	City of Beaverton
		BTN04s	Beaverton – Bounded by SW Garden Home/SW 92 nd /SW Scholls Ferry/SW Denny/Hwy 217/SW Hall/SW Oleson	Tualatin Valley Fire & Rescue

Community Code	Community Name	Sector	Community Description	Agency Assignment
BTN	Beaverton	BTN05e	Beaverton – Bounded by SW Farmington/SW Murray/SW Allen/SW Hall/Hwy 217. Excludes Farmington Square at SW Farmington and SW Murray.	City of Beaverton
		BTN05w	Beaverton – Bounded by SW Allen/SW Murray/SW Scholls Ferry/SW Davies/SW Otter/SW Cottontail/SW 130 th /SW Scholls Ferry/Hwy 217/SW Hall	Tualatin Valley Fire & Rescue
CON	Cornelius	CON01	Cornelius including Forest Hills Lutheran School	City of Cornelius
FOR	Forest Grove	FOR01	Forest Grove including Visitation School, Dilley Elementary, and the JWC Water Treatment Plan	City of Forest Grove
		FOR01a	Gales Creek Fire Station	City of Forest Grove
GAS	Gaston	GAS01	Gaston/Scoggins/Laurelwood including Scoggins Dam and Laurelwood Adventist Elementary	Gaston Rural Fire District
HIL	Hillsboro	HIL01	Hillsboro – Bounded by NW Evergreen/McKay Creek/Dairy Creek/SW Wood/SW Hillsboro Hwy/ SE Roundelay/SE Alike/TV Hwy/SE 10 th /SE Baseline/SE 12 th /E Main/NE Cornell/NE Grant/NE Jackson School including the Clean Water Services Admin Facility	City of Hillsboro
		HIL02	Hillsboro – Bounded by W Baseline/E Main/SE 12 th /SE Baseline/SE 10 th /SE Alike/SE Roundelay/ SE Morgan/Tualatin River/Gordon Creek/SW River Road/SE Oakhurst/SW 229 th /TV Hwy/ Cornelius Pass	City of Hillsboro

Community Code	Community Name	Sector	Community Description	Agency Assignment
HIL	Hillsboro	HIL03	Hillsboro – Bounded by Sunset Hwy/NW Shute/ NW Bennett/NW 253 rd /NW Evergreen/NW 264 th / NW Airport/NE Brookwood/NE Cornell/NW 185 th	City of Hillsboro
		HIL05	Hillsboro – Bounded by NW Evergreen/NE Jackson School/NE Grant/NE Cornell/E Main/ NE Brookwood/NW Airport/NW 264 th	City of Hillsboro
		HIL06	Hillsboro – Bounded by NW Cornell/NE Brookwood/W Baseline/NW 185 th	City of Hillsboro
JWC	Joint Water	JWC01	Eldon Mills Dam and Hillsboro Water Treatment Slow Sand Filter	Joint Water Commission
NOR	North Plains	NOR01	North Plains	City of North Plains
		NOR01a	West Union Elementary School	Tualatin Valley Fire & Rescue
SCH	Scholls	SCH01	Washington County bounded by SW Farmington/SW Rood Bridge/SW Burkhalter/SW Hillsboro Hwy/SW Midway/SW Vanderschuere/ SW Hillsboro Hwy/SW Scholls Ferry/SW River	Tualatin Valley Fire & Rescue
SHE	Sherwood	SHE01	Sherwood – Bounded by SW Tualatin- Sherwood/SW Cedarview/SW Trails End/SW Edy/SW Elwert/Pacific Hwy/SW Brookman/SW Old Hwy 99W/SW Timbrel/SW Sunset/SW Murdock/SW Upper Roy/SW Division/SW Pine/ SW Sherwood/SW Century/SW Baler	City of Sherwood
		SHE02	Sherwood – Bounded by SW Tualatin- Sherwood/SW Baler/SW Century/SW Sherwood/SW Pine/SW Division/SW Upper Roy/SW Murdock/SW Oregon	Tualatin Valley Fire & Rescue

Community Code	Community Name	Sector	Community Description	Agency Assignment
TIG	Tigard	TIG01	Tigard – Bounded by Hwy 99/SW McDonald/SW Hall/SW Bonita/the county line	City of Tigard
		TIG02e	Tigard/Durham – Bounded by SW Bonita/SW Hall/SW Durham/SW 81 st /the PW Rail Line/the Tualatin River/the county line	City of Tigard
		TIG02w	Tigard – Bounded by SW McDonald/Hwy 99/the Tualatin River/the PW Rail Line/SW 81 st /SW Durham/SW Hall	Tualatin Valley Fire & Rescue
		TIG03	Tigard/King City/Bull Mountain – Bounded by SW Walnut/SW 135 th /SW Fern/SW Creekshire/SW Horizon/SW Barrows/Scholls Ferry/SW Roy Rogers/SW Beef Bend/SW 137 th /the Tualatin River/Hwy 99	Tualatin Valley Fire & Rescue
		TIG04	Tigard – Bounded by SW Scholls Ferry/SW 130 th /SW Cottontail/ SW Otter/SW Davies/SW Scholls Ferry/SW Murray/SW Walnut/SW Barrows/SW Horizon/SW Creekshire/SW Fern/SW 135 th /SW Walnut/Hwy 99/Hwy 217	Tualatin Valley Fire & Rescue
		TIG05	Tigard/Metzger – Bounded by SW Multnomah/SW Oleson/SW Hall/Hwy 217/Hwy 99/the county line	Tualatin Valley Fire & Rescue
TUA	Tualatin	TUA01	Tualatin – Bounded by SW Tualatin/SW 124 th /SW Tualatin-Sherwood/SW Avery/ SW Teton/the PW Rail Line/SW 90 th /SW Tualatin- Sherwood/SW Teton/SW Herman/SW 108 th . Includes Pacific Foods facility on SW 97 th .	Tualatin Valley Fire & Rescue
		TUA02	Tualatin – Bounded by SW Tualatin-Sherwood/SW 89 th /the PW Rail Line/SW Teton/SW Avery/SW Tualatin-Sherwood/southeast from SW 124 th to the PW Rail Line/SW Tonquin/east from Grahams Ferry/I-5	City of Tualatin

Community Code	Community Name	Sector	Community Description	Agency Assignment
TUA	Tualatin	TUA03	Tualatin – Bounded by the Tualatin River/SW 135 th /SW Cipole/the PW Rail Line/SW Tualatin-Sherwood/SW 124 th /SW Tualatin/SW 108 th /SW Herman/SW Teton/SW Tualatin-Sherwood/I-5. Excludes Pacific Foods facility on SW 97 th .	City of Tualatin
WES	West Linn	WES01	West Linn – Bounded by River Wood/S Arbor/Willamette/Hidden Springs/Santa Anita/Rosemont/Summit/Cornwall/Sunset/Sussex/Fairhaven/southeast to the Willamette River	City of West Linn and Tualatin Valley Fire & Rescue
		WES02	West Linn – Bounded by Hidden Springs/Rosemont/S Wisteria/S Woodbine/the Tualatin River/the Willamette River/northeast to Fairhaven/Sussex/Sunset/Cornwall/Summit/Rosemont/Santa Anita	City of West Linn and Tualatin Valley Fire & Rescue
		WES03	Stafford/Pete's Mountain/Tualatin – Bounded by the Tualatin River/I-5/I-205/SW Newland/SW Fir Grove/east to SW Brentwood/SW Schaffer/SW Mountain/SW Stafford	Tualatin Valley Fire & Rescue
WIL	Wilsonville	WIL01	Wilsonville – City limits west of I-5 and north of SW Wilsonville Rd	Tualatin Valley Fire & Rescue
		WIL02	Wilsonville – City limits east of I-5 and north of SW Wilsonville Rd	Tualatin Valley Fire & Rescue
		WIL03	Wilsonville – City limits south of SW Wilsonville Rd. including Charbonneau	City of Wilsonville

Unassigned Sectors:

Community Code	Community Name	Sector	Community Description	Agency Assignment
UNA	Unassigned	UNA01	North/Northwest WashCo (outside assigned areas)	Unassigned
		UNA02	Southwest WashCo (outside assigned areas)	Unassigned
		UNA03	South WashCo (East of GAS; West of SCH)	Unassigned
		UNA04	South WashCo (North and East of SCH; West of ALO/TIG)	Unassigned
		UNA05	South WashCo (South of SCH; West of TIG/TUA/SHE)	Unassigned
		UNA06	South WashCo (South of SHE; West of WIL)	Unassigned
		UNA07	Northwest ClackCo (Between West Linn and Tualatin/Wilsonville – outside assigned areas)	Unassigned

Appendix D

**WASHINGTON COUNTY
WINDSHIELD SURVEY PROCEDURES**

Critical Facility Maps

[Published Separately]

Appendix E

WASHINGTON COUNTY WINDSHIELD SURVEY PROCEDURES

Windshield Survey Form

Date:	Sector:	Surveyor/Agency:	
What to look for:			
•			
•			
•			
•			
Facility	Time	Damage Category*	Observations
Facility Name Facility Address Facility ID #			
Facility Name Facility Address Facility ID #			
Facility Name Facility Address Facility ID #			
Miscellaneous Observations			
Time	Observation		

*Damage Categories = None/Minor, Moderate, Severe (See reverse for descriptions)

Damage Category Descriptions:

STRUCTURAL OBSERVATIONS	MEDICAL OBSERVATIONS
<p><u>None/Minor</u> No apparent structural damage, although repairs may be required</p> <ul style="list-style-type: none"> • Non-structural or superficial damage, e.g., broken windows, fallen plaster • Primary damage to building contents • No apparent fire or hazmat release <p><u>Moderate</u> Dangerous conditions observed or believed to exist</p> <ul style="list-style-type: none"> • Structural stability questionable due to fracturing, tilting • Displacement of building foundation • Minor/Controlled natural gas and/or water system breaks • Minor hazmat release, contained onsite <p><u>Severe</u> Extreme hazard, collapsed or may collapse, unsafe/unusable</p> <ul style="list-style-type: none"> • Partial or total collapse of walls and/or ceilings • Significantly out of plumb • Obvious structural instability • Structure fire • Major/Uncontrolled natural gas and/or water system breaks and releases • Hazmat release with offsite spread or threat 	<p><u>No evidence of significant medical problems</u></p> <ul style="list-style-type: none"> • Unoccupied at time of incident • Minor injuries being handled on site <p><u>Significant medical problems noted</u></p> <ul style="list-style-type: none"> • Fewer than 10 victims with major injuries requiring stabilization and transport • A few hazmat exposure victims being treated on site • Ambulatory victims with minor injuries but no treatment capability on site <p><u>Mass casualty incident</u></p> <ul style="list-style-type: none"> • More than 10 victims with major injuries requiring stabilization and transport • Many hazmat exposure victims with no treatment capability on site • Many ambulatory victims with minor injuries but no treatment capability on site

Appendix F

WASHINGTON COUNTY WINDSHIELD SURVEY PROCEDURES

Sector Report Form

Date:	Agency:		
Sector:	Date/Time Sector Survey Completed:		
Report No. For This Incident (e.g., 1, 2, 3, etc.):			
Facility	Time	Damage Category*	Observations
Facility Name Facility Address Facility ID #			
Facility Name Facility Address Facility ID #			
Facility Name Facility Address Facility ID #			
Miscellaneous Observations			
Time	Observation		

*Damage Categories = None/Minor, Moderate, Severe (See reverse for descriptions)

Damage Category Descriptions:

STRUCTURAL OBSERVATIONS	MEDICAL OBSERVATIONS
<p><u>None/Minor</u> No apparent structural damage, although repairs may be required</p> <ul style="list-style-type: none"> • Non-structural or superficial damage, e.g., broken windows, fallen plaster • Primary damage to building contents • No apparent fire or hazmat release <p><u>Moderate</u> Dangerous conditions observed or believed to exist</p> <ul style="list-style-type: none"> • Structural stability questionable due to fracturing, tilting • Displacement of building foundation • Minor/Controlled natural gas and/or water system breaks • Minor hazmat release, contained onsite <p><u>Severe</u> Extreme hazard, collapsed or may collapse, unsafe/unusable</p> <ul style="list-style-type: none"> • Partial or total collapse of walls and/or ceilings • Significantly out of plumb • Obvious structural instability • Structure fire • Major/Uncontrolled natural gas and/or water system breaks and releases • Hazmat release with offsite spread or threat 	<p><u>No evidence of significant medical problems</u></p> <ul style="list-style-type: none"> • Unoccupied at time of incident • Minor injuries being handled on site <p><u>Significant medical problems noted</u></p> <ul style="list-style-type: none"> • Fewer than 10 victims with major injuries requiring stabilization and transport • A few hazmat exposure victims being treated on site • Ambulatory victims with minor injuries but no treatment capability on site <p><u>Mass casualty incident</u></p> <ul style="list-style-type: none"> • More than 10 victims with major injuries requiring stabilization and transport • Many hazmat exposure victims with no treatment capability on site • Many ambulatory victims with minor injuries but no treatment capability on site