

Road Shoulder Hazards along
Lake Woodlands – January 2015

Hazards on road shoulders, that could pose a risk to cyclists, were identified in January 2015 by volunteers from Bike The Woodlands Coalition.

The interpretation of what constitutes a serious hazard is subjective, and may vary between volunteers.

Definition of hazard types:

1. **Lip:** lip protruding for several feet at least 1 inch above adjacent pavement
2. **Gap:** gap extending for several feet, in which bike tire could fall into
3. **Pothole:** hole that should be filled
4. **Rough area:** excessively rough area the should be fixed
5. **Maintenance:** not a danger to cyclists but something the county might want to be aware of
6. **Other:** items that don't fall into the above

Severity ratings

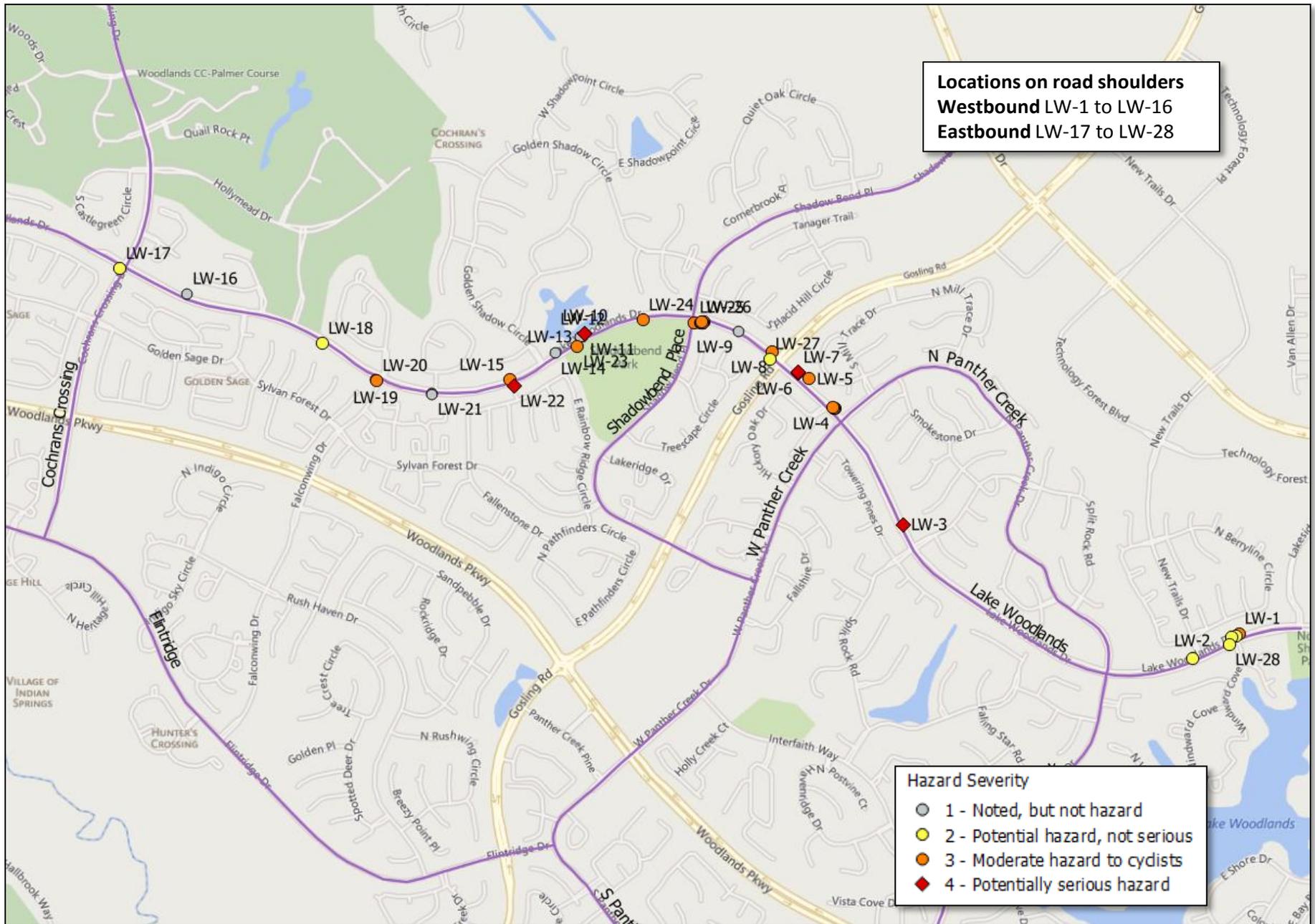
- **Level 4** - A serious and immediate danger to cyclists
- **Level 3** - Should be fixed soon; could be a danger
- **Level 2** - Potential hazard to note, but not very serious
- **Level 1** - Not hazard to cyclists, but something that the county might want to be aware of

Hazards by road

	Distance, mi	Hazard level:				Total
		1	2	3	4	
Branch Crossing	3.51	1	5	4	1	11
Cochrans Crossing	3.26		2	9	8	19
Flintridge	3.46		5	5	7	17
Lake Woodlands	6.08	8	7	18	6	39
North Panther Creek	1.25		1	3	4	8
Shadowbend	1.86	1	24	12	6	43
Shadowbend pathway	2.61		12	1		13
Sterling Ridge	1.86		3			3
Terramount	2.31		1	2		3
West Panther Creek	0.98			12	1	13
Woodlands Parkway (West)	2.61		7			7
Woodlands Parkway pathway	0.94		1	2	1	4
	30.73	10	68	68	34	180

Distance is distance surveyed.

Lake Woodlands Hazard Locations



LW-1
Lake Woodlands
Westbound

Hazard type: Rough area
Severity: 3

Rough enough that cyclists will try to avoid by riding into traffic lanes; nearby rough patches on next three slides.



IMG_0694

LW-1
Lake Woodlands
Westbound

Hazard type: Rough area
Severity: 2



IMG_0695

LW-1
Lake Woodlands
Westbound

Hazard type: Rough area
Severity: 2



IMG_0696

LW-2
Lake Woodlands
Westbound

Hazard type: Rough area Many feet of deteriorating shoulder
Severity: 2



IMG_0697

LW-3
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 4

Deep hole off edge of shoulder - could be
dangerous for cars or cyclists; it is > 18" wide
and car-axle deep



IMG_0698

LW-4
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 3

~ 2" lip- this and other lips along Lake Woodlands can be a serious hazard to cyclists because a bike tire can get caught, causing the cyclist to fall into the roadway. This and other lips are getting a rating of '3' rather than '4' because of the wide shoulder on Lak Woodlands, making it less likely that cyclists will be caught by this hazard.



IMG_0769

IMG_0769.JPG

LW-4
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 3

Up to 1 1/2" lip off and on at many locations
in this area.



IMG_0700

LW-4
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 3

Up to 1 1/2" lip off and on at many locations
in this area. The ruler is 1 1/8" wide and
marked in 1" increments.



IMG_0701

LW-5
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 3

Up to 1 1/2" lip off and on at many locations
in this area.



IMG_0702

LW-6
Lake Woodlands
Westbound

Hazard type: Pothole
Severity: 4

Serious deterioration of the shoulder with
pothole



IMG_0703

LW-7
Lake Woodlands
Westbound

Hazard type: Pothole
Severity: 4

Serious pothole



IMG_0772

LW-8
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 3

Many lips in this area

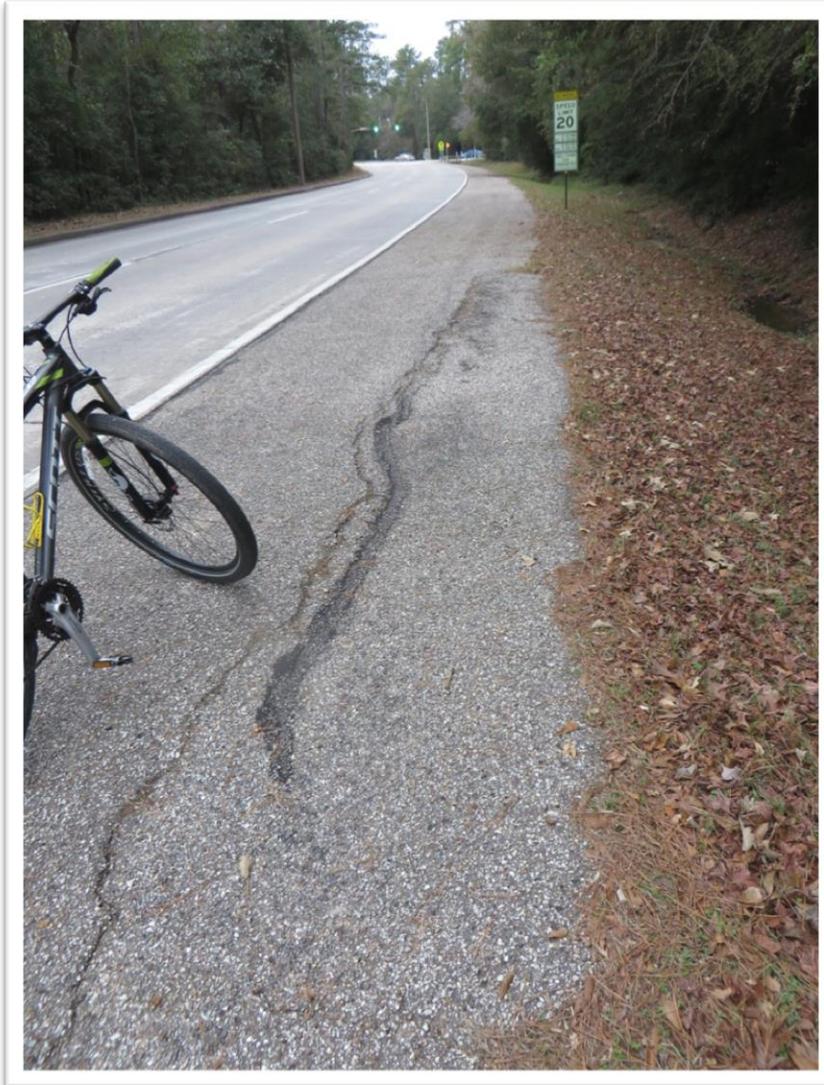


IMG_0773

LW-9
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 1

Subsidence occurring



IMG_0704

LW-10
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 4

~ 3" lip



IMG_0776

LW-11
Lake Woodlands
Westbound

Hazard type: Lip
Severity: 4

Nearly 4" lip with pothole



IMG_0777

LW-12
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 1

Subsidence and encroachment



IMG_0705

LW-13
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 1

Subsidence and growing crack



IMG_0706

LW-14
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 1

Starting cracks and subsidence



IMG_0779

LW-15
Lake Woodlands
Westbound

Hazard type: Rough area and Pothole
Severity: 3



IMG_0780

LW-16
Lake Woodlands
Westbound

Hazard type: Misc
Severity: 1

Subsidence starting near storm sewer



IMG_0782

LW-17
Lake Woodlands
Westbound

Hazard type: Rough area Rough area
Severity: 2



IMG_0783

LW-18
Lake Woodlands
Eastbound

Hazard type: Rough area
Severity: 2



IMG_0784

LW-19
Lake Woodlands
Eastbound

Hazard type: Misc
Severity: 1

Subsidence and cracks starting



IMG_0786

LW-20
Lake Woodlands
Eastbound

Hazard type: Rough area
Severity: 3

Shoulder deterioration
leading to narrower-than-
expected shoulder.



IMG_0787

LW-21
Lake Woodlands
Eastbound

Hazard type: Misc
Severity: 1

Encroachment of ~ 2 ft for 100+ feet along
road



IMG_0788

LW-21
Lake Woodlands
Eastbound

Hazard type: Misc
Severity: 1

Closeup of encroachment on previous slide



IMG_0789

LW-22
Lake Woodlands
Eastbound

Hazard type: Other
Severity: 4

Serious drop off and deterioration of shoulder



IMG_0791

LW-23
Lake Woodlands
Eastbound

Hazard type: Gap
Severity: 2

Narrower bike tires can get caught in gaps like this.



IMG_0792

LW-24
Lake Woodlands
Eastbound

Hazard type: Rough and lip
Severity: 3

Lip > 1 1/2" in many parts of this area



IMG_0707

LW-25

Lake Woodlands
Eastbound

Hazard type: Rough, Lip, Pothole

Severity: 3

Roughness and other problems along with
narrow shoulder could be a real hazard



IMG_0708

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and gap
Severity: 3

This and following slides show serious potholes and
lips over 100+ ft section of shoulder, all called LW -26



IMG_0709

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and gap

Severity: 3

This and following slides show serious potholes and
lips over 100+ ft section of shoulder, all called LW -26



IMG_0710

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and gap
Severity: 3

This and following slides show serious potholes and
lips over 100+ ft section of shoulder, all called LW -26



IMG_0711

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and lip
Severity: 3

This and following slides show serious potholes and
lips over 100+ ft section of shoulder, all called LW -26



IMG_0799

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and lip
Severity: 3

This and following slides show serious potholes and lips over 100+ ft section of shoulder, all called LW -26



IMG_0800

LW-26
Lake Woodlands
Eastbound

Hazard type:
Severity: 3

In same area as previous slide



IMG_0802

LW-26
Lake Woodlands
Eastbound

Hazard type: Pothole and gap

Severity: 3

In same area as previous slide

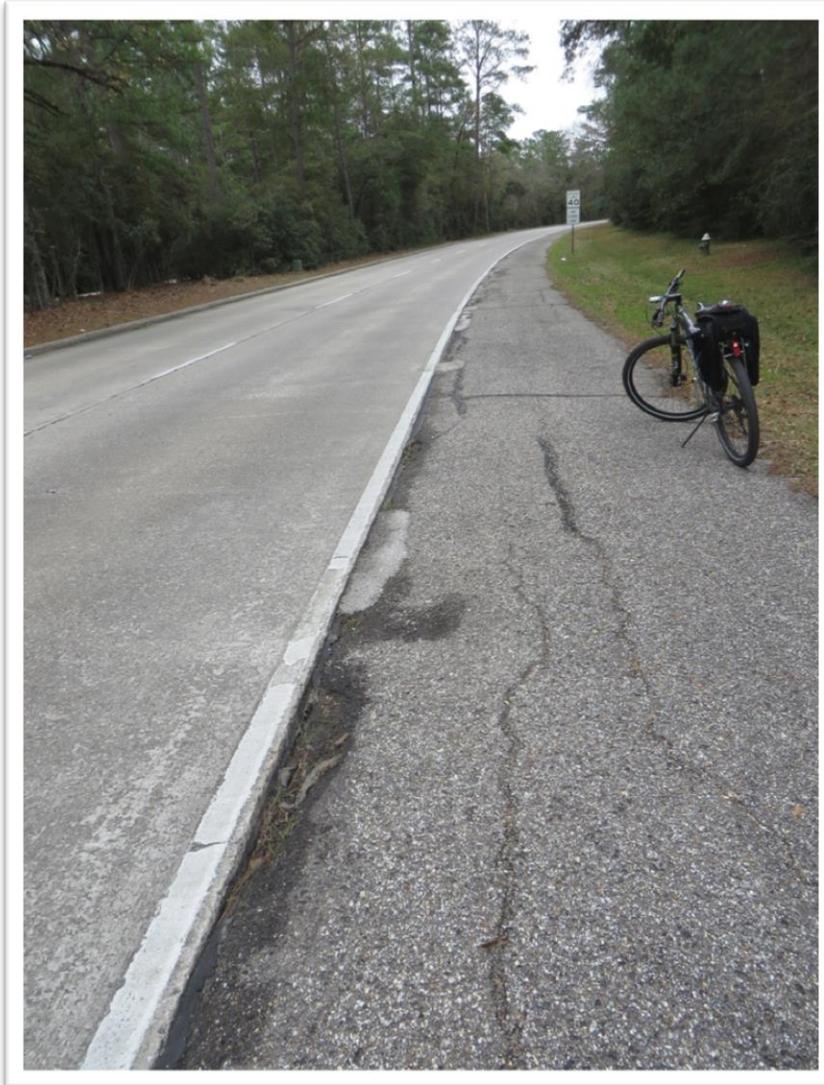


IMG_0803

LW-26
Lake Woodlands
Eastbound

Hazard type:
Severity: 3 p

Shot of area LW-26 with numerous lips
and potholes.



IMG_0804

LW-27
Lake Woodlands
Eastbound

Hazard type: Pothole
Severity: 2



IMG_0805

LW-28
Lake Woodlands
Eastbound

Hazard type: Pothole
Severity: 2



IMG_0806