

# MEASURING INSTRUMENT FOR WALKING STUDENTS

This is worksheet that can be used to determine safety busing areas.

**School District:** \_\_\_\_\_ **School:** \_\_\_\_\_

**Location of Area Rated:** \_\_\_\_\_

**Date Rated:** \_\_\_\_\_

**Rate the following by putting a circle around the appropriate number. The higher the number, the more hazardous the walking route.** **Numeric Score**

**Vehicular:**

1. Average hourly during school arrival & departure both afternoon.	Over 1000	1000-901	900-801	800-701	700-601	600-501	500-401	400-301	300-201	200-101	100-0	
<b>A.M.</b>	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
<b>P.M.</b>	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
2. Truck traffic during school arrival & both morning & afternoon.	Over 100		100-75		75-51		50-25		25-1		0	
<b>A.M.</b>	<b>5</b>		<b>4</b>		<b>3</b>		<b>2</b>		<b>1</b>		<b>0</b>	
<b>P.M.</b>	<b>5</b>		<b>4</b>		<b>3</b>		<b>2</b>		<b>1</b>		<b>0</b>	
3. Posted traffic speed	55 mph	50 mph	45 mph	40 mph	35 mph	30 mph	25 mph	20 mph				
	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>				

**Pedestrian:**

1. Number of pupils	Over 225	225-201	200-176	175-151	150-126	125-101	100-76	75-51	50-26	25-1	0	
	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
2. Grade level	Elementary				Middle School/Junior High				High School			
	<b>10</b>				<b>2</b>				<b>0</b>			

**Roadway:**

1. Width of road	Multi-lane divided highway, raised or painted median		Multi-lane (two-way) or Single-lane w/left turn lane		Two-lane Two-way No-passing		Two-lane Two-way Passing		Two-way, no street markings					
Crossing	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>			
Exposure time walking along (in minutes)	> 30	27-30	24-27	21-24	18-21	15-18	12-15	9-12	6-9	3-6	0-3			
	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>		
2. Shoulder or sidewalk "Narrow" – under 3 "Wide – 3-8 feet	No shoulder or sidewalk		Narrow, unpaved shoulder, no sidewalk		Narrow, paved shoulder, no sidewalk		Wide, unpaved shoulder, no sidewalk		Wide, paved shoulder, no sidewalk		Sidewalk all way with no breaks		Sidewalk all way with no breaks, shoulder or utility strip	
	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>-10</b>	
3. Accumulative area with no sidewalk	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	< 10%			
	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>			
4. Traffic control signs markings (score as applicable)	No school signs		No pavement markings		No traffic signals		No traffic lights – Elementary Only		No crossing guard – Elementary Only					
	<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>					

**Environmental: (over)**

# MEASURING INSTRUMENT FOR WALKING STUDENTS

<b>Environmental: (continued)</b>											
1. Visual obstructions (trees, shrubs, hills, curves, buildings, etc.)	Comments:										
	Accumulative Exposure - % of Walking Route										
	100% <b>10</b>	90% <b>9</b>	80% <b>8</b>	70% <b>7</b>	60% <b>6</b>	50% <b>5</b>	40% <b>4</b>	30% <b>3</b>	20% <b>2</b>	10% <b>1</b>	<10% <b>0</b>
2. Cross traffic pupil's direction of travel (streets & driveways other than single family home)	Comments:										
	Accumulative Exposure - % of Walking Route										
	100% <b>10</b>	90% <b>9</b>	80% <b>8</b>	70% <b>7</b>	60% <b>6</b>	50% <b>5</b>	40% <b>4</b>	30% <b>3</b>	20% <b>2</b>	10% <b>1</b>	<10% <b>0</b>
3. Special conditions (extraordinary factors, fences, open waterway, history of crime, etc.)	Comments:										
	Accumulative Exposure - % of Walking Route										
	100% <b>10</b>	90% <b>9</b>	80% <b>8</b>	70% <b>7</b>	60% <b>6</b>	50% <b>5</b>	40% <b>4</b>	30% <b>3</b>	20% <b>2</b>	10% <b>1</b>	<10% <b>0</b>
<b>Accident Rate:</b>											
Accident rate (vehicle & pedestrian)	2 x Average for Facility		1.6 x Average for Facility		Average for Facility		.75 Average for Facility		.5 Average for Facility		
	<b>10</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>0</b>	
<b>TOTAL RATING:</b>											
Contacted Agency or	Agency or Individual						Contact Person W/Phone Number				
	State Highway District										
	County Roads										
	City Streets										
	Canal Company										
	Developer										
	Property Owner										
	Other:										
<b>Comments:</b>											

Evaluator \_\_\_\_\_

Date Evaluated \_\_\_\_\_