

Name _____

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Railroad Crossing - Final Box			
Criteria	Level 3	Level 2	Level 1
Works /10	Working arm Flashing when up & down		Arm does not pivot Not flash when up/down
Colors /4	Realistic colors on road Realistic colors on parts	Unrealistic size / choice of colors	Random colors chosen
Scale /4	Pole 12" high Parts scaled appropriately	1-2 parts not scaled appropriately	3+ parts s not scaled appropriately
Soldering /2	Neat tight solder joints	1-2 Loose / sloppy solder joints	3+ Loose / sloppy solder joints
Wiring /4	Colors make sense No wires touching causing short circuit	1-2 + wires touching causing short circuit	3+ wires touching causing short circuit
Workmanship /6	Measurements are to the nearest ½ " Box is square Surface is sanded Pieces fit	Measurements are to the nearest ½ " Box is off square +/- 1/8 1- 2 pcs not sanded 1-2 Pieces don't fit	Random sizes used Box is off square +/- ¼ Box is off square +/- 1/4 3+ pcs not sanded 3+ Pieces don't fit

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Railroad Crossing - Final Box			
Criteria	Level 3	Level 2	Level 1
Works /10	Working arm Flashing when down and Flashing when up		Arm does not pivot Lights do not flash when up/down
Colors /4	Realistic colors on road Realistic colors on parts	Unrealistic size / choice of colors	Random colors chosen
Scale /4	Pole 12" high Parts scaled appropriately	1-2 parts not scaled appropriately	3+ parts s not scaled appropriately
Soldering /2	Neat tight solder joints	1-2 Loose / sloppy solder joints	3+ Loose / sloppy solder joints
Wiring /4	Colors make sense No wires touching causing short circuit	1-2 + wires touching causing short circuit	3+ wires touching causing short circuit
Workmanship /6	Measurements are to the nearest ½ " Box is square Surface is sanded Pieces fit	Measurements are to the nearest ½ " Box is off square +/- 1/8 1- 2 pcs not sanded 1-2 Pieces don't fit	Random sizes used Box is off square +/- ¼ Box is off square +/- 1/4 3+ pcs not sanded 3+ Pieces don't fit