

38. (5 MARKS) You are part of a team that has been asked to design a new street light (Figure 6). The client only wants to replace the lighting fixture itself, not the pole on which it is mounted. You have to figure out the maximum weight of the new fixture so that it can be safely installed. On the next page sketch a diagram that you would use to clarify your understanding of the physical system.



Figure 6: Original street light

Use this page to sketch your diagram for Question 38.

39. (5 MARKS) Estimate how many hotdogs are sold at a Blue Jay's world series game in the Rogers Centre Stadium. You don't have to get the same answer as us, but you do have to state all assumptions, demonstrate structured thinking, compute a number, and use appropriate significant figures.

When the Project Management (PM) Training & Development Coordinator (T&DC) began work, there was no existing PMT&DC infrastructure at the Center to draw support from. Additionally, the predominately scientific and engineering community had little interest in PM and did not view it as a professional discipline. The PMT&DC took advantage of the lack of existing structure to be creative in fostering interest in and developing ways to deliver PM training which worked within the Center's culture. This approach, based on a community service philosophy, has resulted in a thriving PMT&D program and has made a significant positive impact on the Center's culture. The strategies used to accomplish this include making and leveraging personal contacts, developing mutually beneficial relationships with other entities interested in training, and being actively involved in training scheduling, enrollment and evaluation.

40. (4 MARKS) Through analyzing Driving Event #1:

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