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Case Analysis Nine

Congestion in Airport

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**Introduction**

The importance of Airports and Terminal Airspace in the recent past has continued to grow to meet the demands of globalization. People have continued to use planes to travel far distances for business, visits, and vacation among other activities leading to congestion. According to Roosens (2008), “A proxy that can be used to indicate airport congestion is given by airport departure delays” (p. 138). Therefore, airport congestion is one of the reasons delays have been reported in different airports across the globe.

**Problem**

Congestion is one of the main problems affecting airports when the capacity exceeds infrastructures, which leads to traveling delays, inconveniences, and losses. One of the causes of congestion in airports is the legal policies that have been adopted in different countries (Zhong et al., 2017). The legal policies are adopted to ensure the security of people and cargos transported by planes resulting in congestion in airports. Weather conditions and security issues have been contributing to congestion in airports.

**Significance of the Problem**

Congestion is one of the reasons delays have been rampant in airports in the recent past limiting the effectiveness and convenience of airports. Congestion poses a threat to security in airports making it important to address the issue (Brander & Cook, 2020). In the current times, COVID 19 virus is threatening the planet and congestion in airports is a threat to human health.

**Development of Alternatives**

**Alternative 1: expand aircraft infrastructure**

The first alternative that can help do decongest airports is expanding the available infrastructure (Brander & Cook, 2020). **Advantages** - the positive effect of expanding the airport is to accommodate more people and more aircraft (Brander & Cook, 2020). Secondly, more airplane would help to ease congestion and delays in airports. **Disadvantages** - the disadvantage of expanding the airport is that the process is cost-intensive. Secondly, some airports only experience congestion in high season making infrastructure expansion unnecessary.

**Alternative 2: using advanced technology**

The second alternative that can help ease congestion in airports is using advanced technology in their operations (Brander & Cook, 2020). Why would you do this? **Advantage** - advanced technology helps companies to process information and process of travel fast. Advanced technology help airports to detect problems easily and prevent them from causing congestion. The **disadvantages** of advanced technology include high cost and difficulty of acquisition.

**Recommendation**

Therefore, I would recommend pricing strategies as the solution to end congestion in airlines (Brander & Cook, 2020). The pricing strategy would involve putting the price of air travel high and reduce demand (Brander & Cook, 2020). Low demand for air travel would help to reduce congestion in airports. The high cost of travel can allow airports to reduce demand but make enough money to cover operation cost.

References

Brander, J. R., & Cook, B. A. (2020). Air Transport Deregulation and Airport Congestion Problems: “Everybody Wants to go at the Same Time.” University of New Brunswick. 155-179.-please see my comments on your previous assignment.

Roosens, P. (2008). “Congestion and Air Transport: a challenging phenomenon.” University of Antwerp. <https://core.ac.uk/download/pdf/268416115.pdf> -please see my comments on your previous assignment.

Simeonova, E., Currie, J., Nilsson, P., & Walker, R. (2018). “Congestion pricing, air pollution and children’s health.” National Bureau of Economic Research. -please see my comments on your previous assignment.

Zhong, N., Cao, J., & Wang, Y. (2017). Traffic congestion, ambient air pollution, and health: Evidence from driving restrictions in Beijing. Journal of the Association of Environmental and Resource Economists, 4(3), 821-856.-this is not correct. Why are you bringing another source into your analysis? Where is Hamilton and Nilsson?