

Planning Method

	Mass Highway (DPW) Pre-1970	BTPR
1. Scan the environment, review history, identify trends, project future conditions		
2. Define problem(s)		
3. Develop solution(s)		
4. Identify relevant actors, institutions, primary roles and interests		
5. Consider implementation		
6. Predict outcomes, benefits, costs, impacts		
7. Consider operation and maintenance of facilities, services		
8. Evaluate alternatives		
9. Choose course of action		
10. Build constituency, consolidate allies, convert enemies		
11. Implement		
12. Operate and maintain		
13. Evaluate performance		
14. Feedback		

Alternate Interpretations of Planning

	Mass Highway (DPW) Pre-1970	BTPR
1. Transportation planning as predicting the future to accommodate demand		
2. Transportation planning as imagining a different future and developing a strategy to get there		
3. Transportation planning as infrastructure planning		
4. Transportation planning as a system of public infrastructure and mixture of public and private vehicles		
5. Transportation planning as service planning		
6. Transportation planning as mobility planning		
7. Transportation planning as accessibility planning		
8. Transportation planning as providing choices for individuals		
9. Transportation planning as providing information for individuals to conform their plans to a master plan		
10. Transportation planning as institutional planning		
11. Transportation planning as financial planning, financially constrained planning		
12. Transportation planning as economic planning		
13. Transportation planning as urban design		
14. Transportation planning as environmental planning		
15. Advocacy planning		
16. Transportation planning as implementation of legislation		
17. Transportation planning as a bureaucratic process		
18. Transportation planning as interactive process with "the community" -- who is included? Who is excluded?		
19. Transportation planning as institutional negotiation		
20. Transportation planning as decision support -- who are the decision makers?		
21. Transportation planning as support for city planning		

Changing Concept of Transportation Planning

- 1) Bottleneck modification
- 2) Highway system function; benefit/cost
- 3) Transportation system function; benefit/cost
- 4) Inclusion of “external” impacts; full costs/benefits
- 5) Inclusion of “external impacts with mitigation
- 6) Land use impacts of transportation

Modes; Level of Service; Speed; Capacity

(A) System Impact	Capacity; travel time
(B) Operator's point of view	Vehicle hours; cost/vehicle hour
(C) Customer's point of view	Mobility: travel time; comfort; waiting time; congestion Accessibility: options within given travel time
(D) Land developer's point of view	Accessibility Cost of land Parking

NEPA and Planning Method and Use of Models

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Deficiencies of Models

A. Fudge Factor

- Radial/circumferential
- Schools
- Crime

B. Miss 4&5

C. Will be inaccurate but seem real

D. Possible but unusual

E. Usually a mistake

F. Usually a mistake

G. Who evaluates?

H. Who considers feedback?