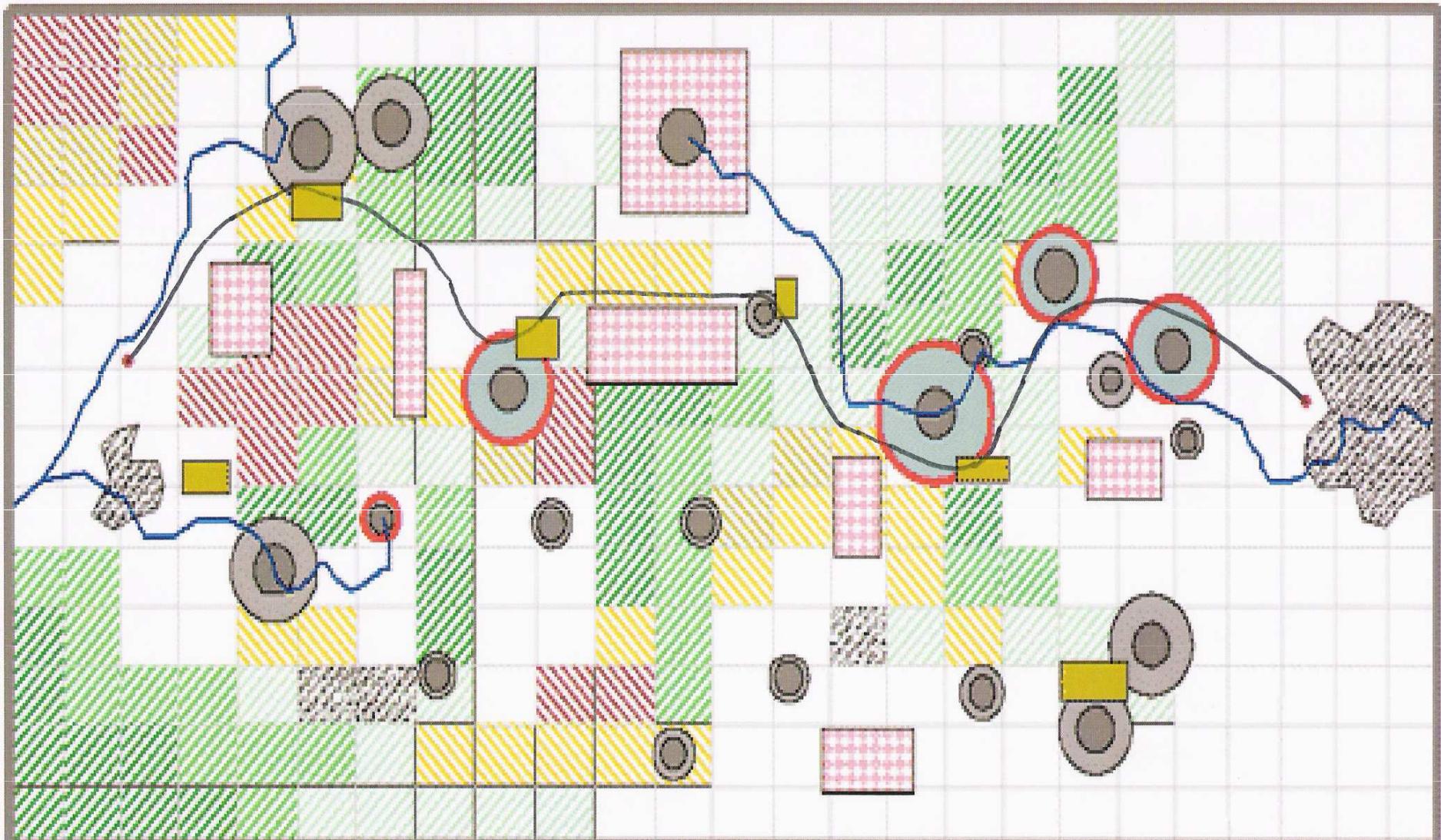


Geografie dopravy

Route selection problem

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Zdroj: <http://www.people.hofstra.edu/geotrans/eng/ch1en/app1en/ch1a2en.html>

(1) Road length	140 miles
Construction costs	
(a) Basic construction costs (\$0.5 million per mile)	\$M 70
(b) Additional costs for rugged terrain	\$M 18
(c) Additional costs for river crossing (\$2 million per bridge)	\$M 2
Gross construction cost (a + b + c)	\$M 90
(d) Additional costs for public audiences (\$3 millions per unit)	\$M 0
(e) Costs saved from collaboration (\$3 millions per city in favor)	\$M 12
(f) To serve an industrial development zone (\$5 millions per zone) (b)	\$M 20
(g) Savings (benefit) from providing new roads to additional population (\$15 per person)	\$M 7,05
(2) Total cost = Gross cost + d - e - f - g	\$M 50,95
Environmental impacts	
(h) Level of environmental damage	8 units
(i) Level of environmental damage for road construction (0.25 per mile)	35 units
(3) Environmental score (h + i)	43 units

Zdroj: <http://www.people.hofstra.edu/geotrans/eng/ch1en/appl1en/ch1a2en.html>