

# VÝBĚR TRASY PRO NOVOU SILNICI

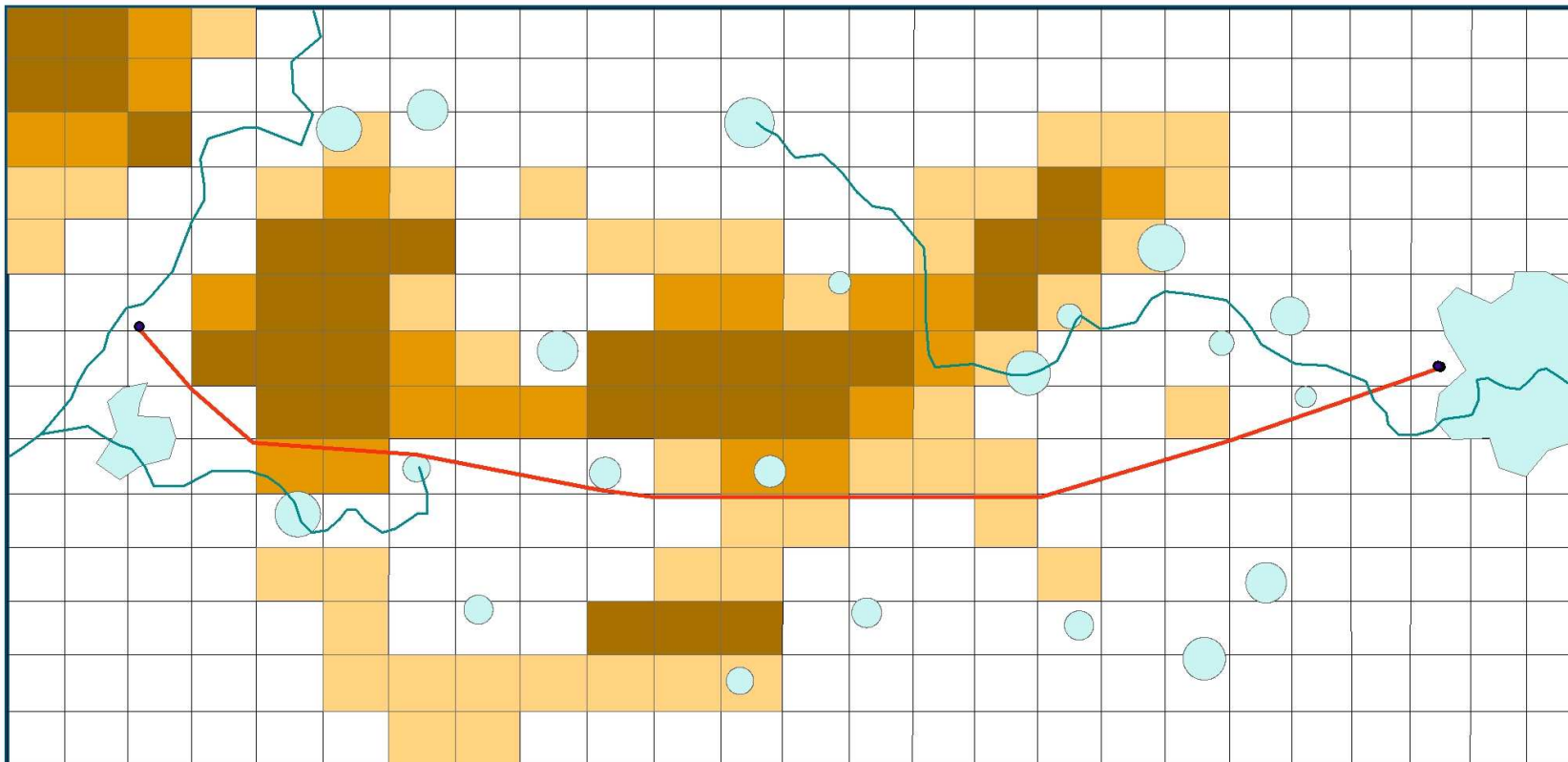
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# Fyzické překážky

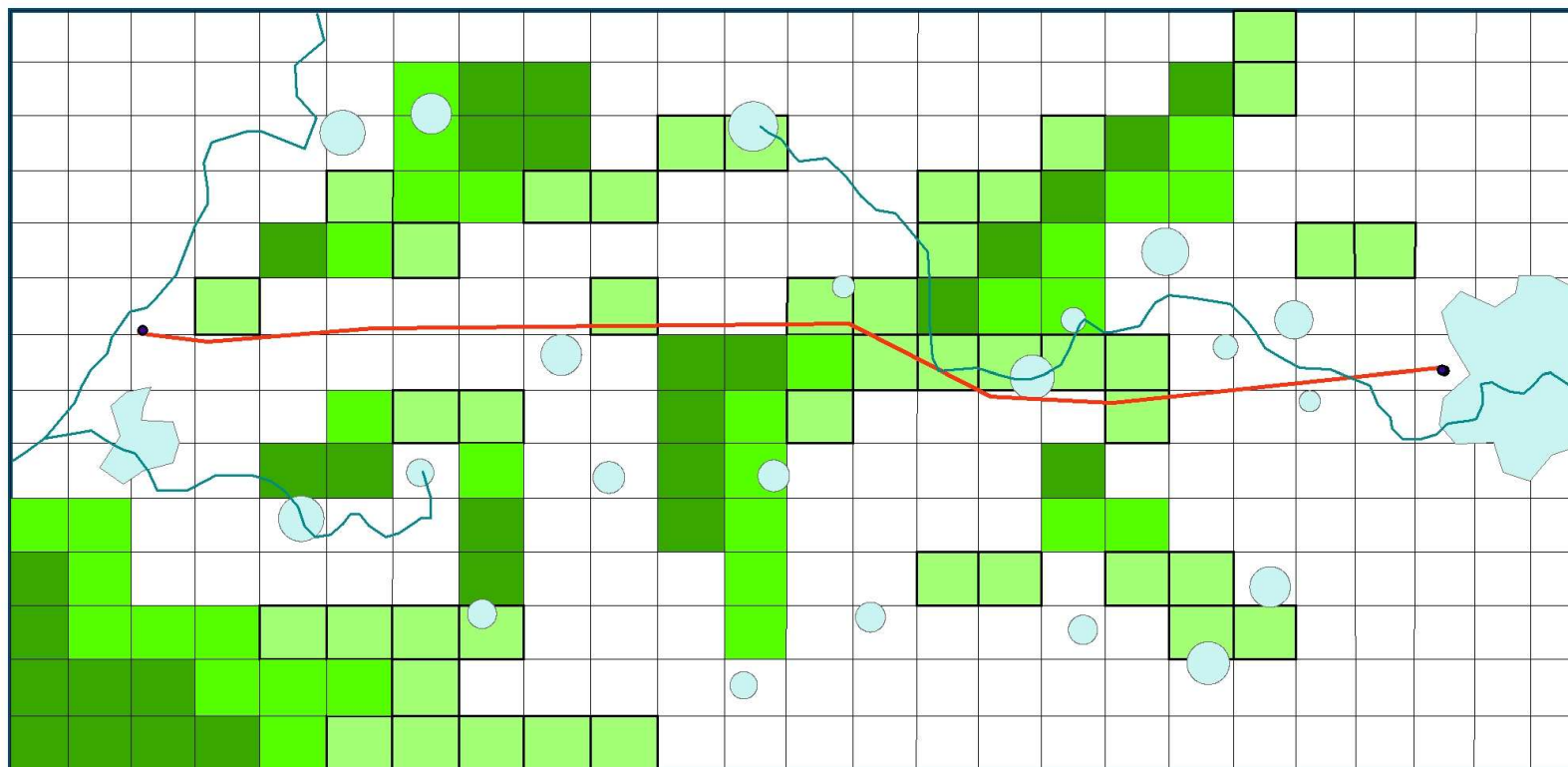
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- Délka: 123,6 mil  $\Rightarrow$  61,8 mil \$ + 11 mil \$ = 72,8 mil \$



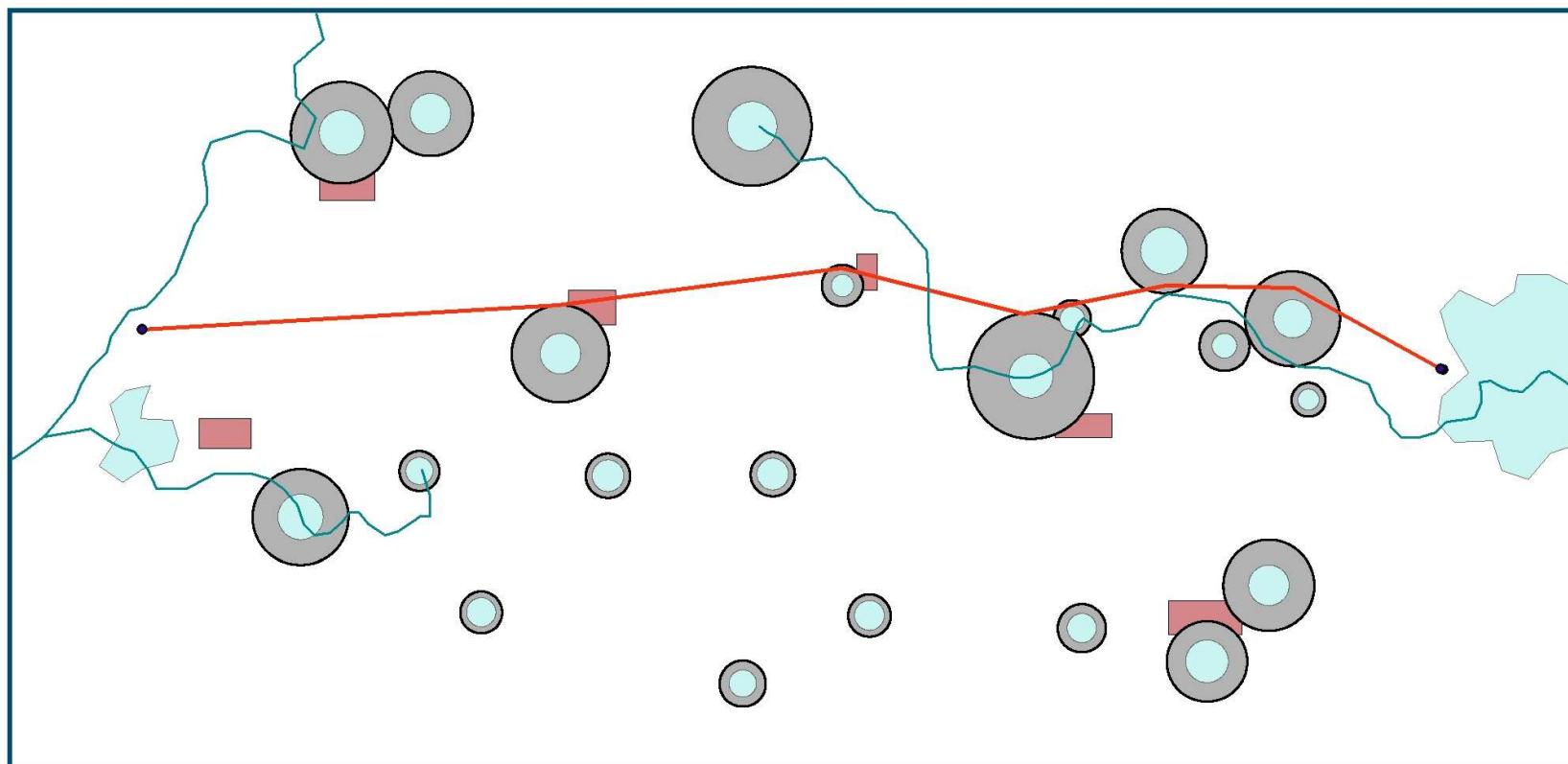
# Environmentální překážky

- Délka: 115,6 mil  $\Rightarrow$  zatížení:  $28,9 + 6 = 34,9$



# Ekonomický potenciál

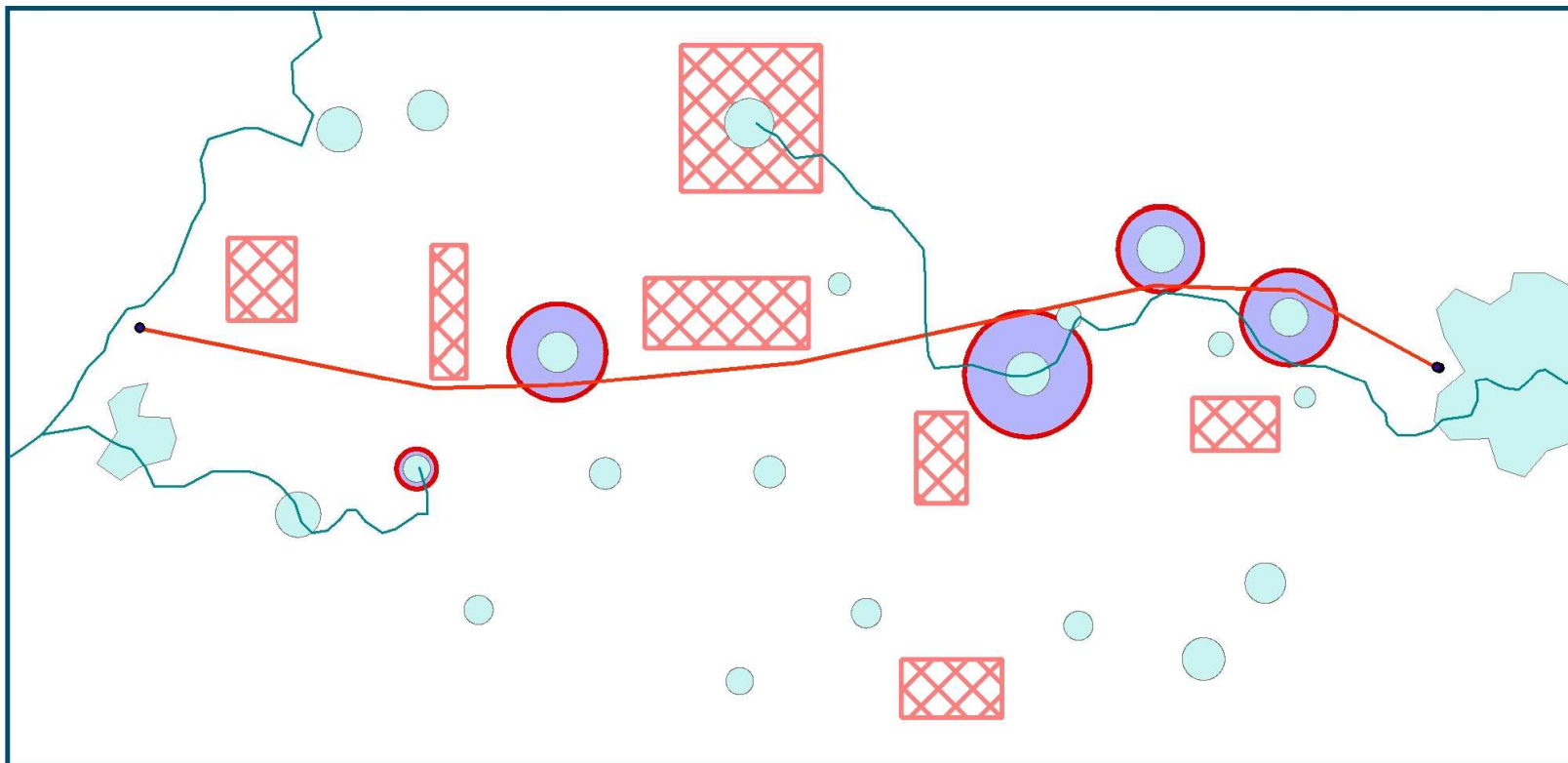
- Délka: 117,4 mil, populace měst + 6,3 mil, indust. zóny + 10 mil



# Politické faktory

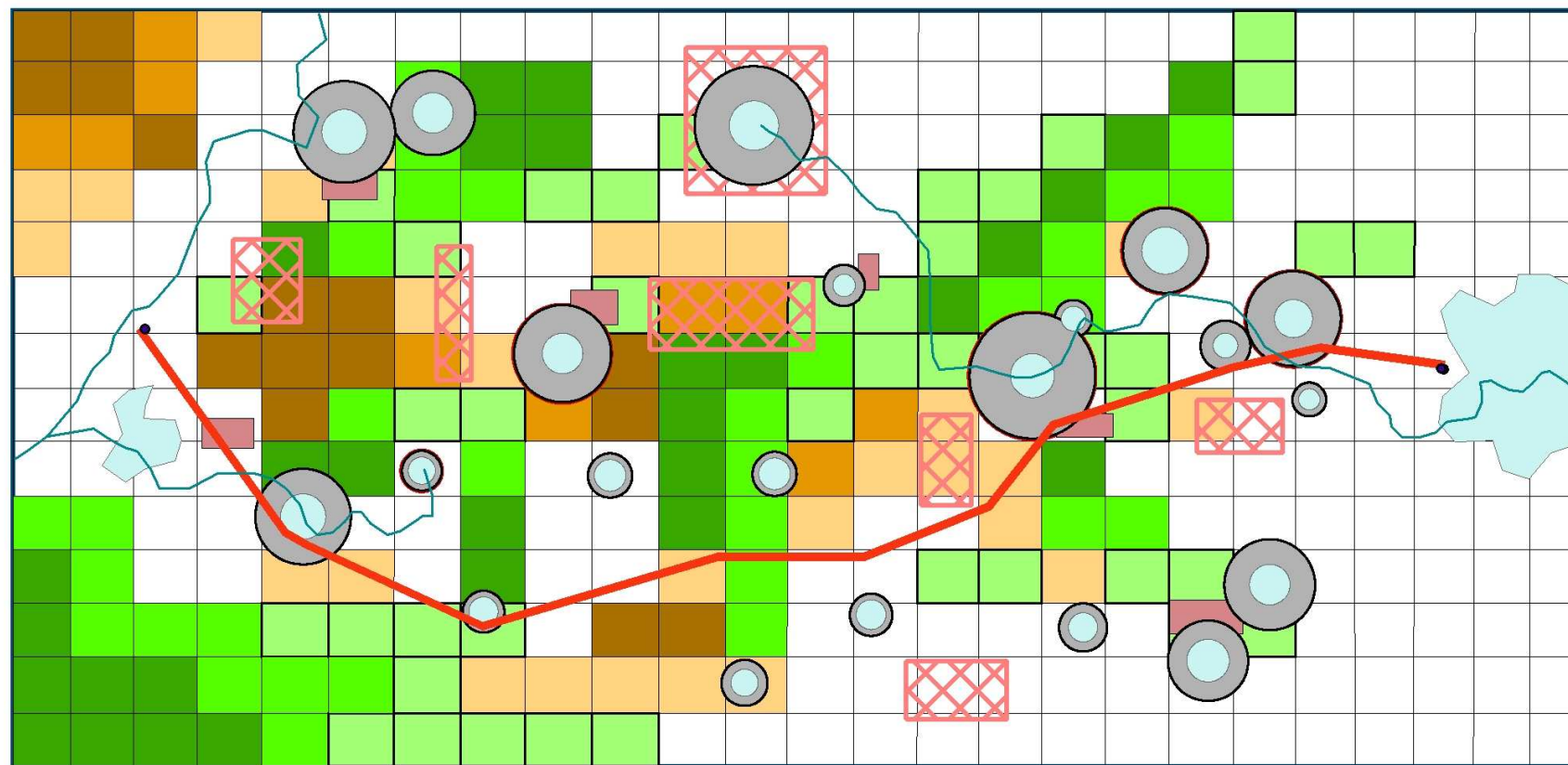
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- Délka: 118,2 mil, města + 12 mil



# Kombinace

□ Délka: 141,7 mil



# Výsledky

1 mile = 0,412 \$M

1 mile = 0,299 units ED

<b>(1) Road length</b>	141,7 miles
<b>Construction costs</b>	
(a) Basic construction costs (\$0.5 million per mile)	\$M 70,85
(b) Additional costs for rugged terrain	\$M 5,00
(c) Additional costs for river crossing (\$2 million per bridge)	\$M 4,00
<b>Gross construction cost (a + b + c)</b>	<b>\$M 79,85</b>
(d) Additional costs for public audiences (\$3 millions per unit)	\$M 0,00
(e) Costs saved from collaboration (\$3 millions per city in favor)	\$M 6,00
(f) To serve an industrial development zone (\$5 millions per zone) (b)	\$M 10,00
(g) Savings (benefit) from providing new roads to additional population (\$15 per person)	\$M 5,40
<b>(2) Total cost = Gross cost + d - e - f - g</b>	<b>\$M 58,45</b>
<b>Environmental impacts</b>	
(h) Level of environmental damage	7,00 units
(i) Level of environmental damage for road construction (0.25 per mile)	35,43 units
<b>(3) Environmental score (h + i)</b>	<b>42,43 units</b>