

HOUSE No. 230

The Commonwealth of Massachusetts.

REPORT OF THE COUNTY COMMISSIONERS OF THE COUNTY OF FRANKLIN ON THE QUES- TION OF RECONSTRUCTING THE BRIDGE OVER THE CONNECTICUT RIVER BETWEEN THE TOWNS OF GREENFIELD AND MONTAGUE.¹

To the General Court of Massachusetts.

Whereas, by virtue of chapter 6 of the Resolves of the year 1920, it was resolved that the county commissioners of the county of Franklin be authorized and directed to investigate the question of reconstructing the bridge over the Connecticut River between the towns of Greenfield and Montague, and to make surveys, plans and estimates therefor, and to report to the next General Court on or before the second Saturday in January, 1921, with copies of the plans and estimates and with such recommendations as they may deem proper, the said commissioners for the county of Franklin aforesaid, pursuant to such resolve, have investigated the question of reconstructing said bridge, and herewith file their report and submit copies of the plans and estimates, pursuant to the directions in said resolve, to wit: —

The said county commissioners for the county of Franklin aforesaid, in view of the great expense incident to the construction of said bridge at the present time and general conditions, and in view of the fact that the towns of Greenfield and Montague are making provision for strengthening the present structure, recommend that no legislation be enacted

¹ Plans submitted but not printed.

at the present time authorizing the reconstruction of the present bridge over the Connecticut River between the towns of Greenfield and Montague, or the construction of a new bridge to take the place of the one now existing between said towns.

Respectfully submitted,

EUGENE B. BLAKE,
ALLEN C. BURNHAM,
WILLIAM B. AVERY,
County Commissioners.

JAN. 5, 1921.

A true copy. Attest:

HUGH E. ADAMS,
Clerk.

REPORT OF THE ENGINEER.

GREENFIELD, MASS., JAN. 5, 1921.

Honorable Board of County Commissioners, County of Franklin.

DEAR SIR: — In accordance with your instructions I have prepared plans of a bridge over the Connecticut River between Greenfield and Turners Falls.

The plan is for a high-level bridge connecting with Fifth Street in Turners Falls and crossing over the railroad tracks located on both sides of the canal. There are four river spans and one over the canal, with short spans over the railroad and at the approaches. At the east shore it is located just south of the present suspension bridge, and at the west end it is about 60 feet south of present bridge. This will allow the new bridge to be built before the present one is removed.

The bridge is a two-ring arch of reinforced concrete, with columns and beams to support the roadway. The roadway is thirty feet wide with a sidewalk on each side, making a total width of 40 feet.

A stairway is provided opposite the Esleek Mill, and the present canal bridge is retained to provide an outlet from the mills between the canal and the river.

Canal Street will be kept open and provision made for pedestrians to go from Canal Street to the east end of the bridge.

The estimated total cost based on present prices is \$608,000, as shown somewhat in detail on the attached sheet. This is lower than would have been estimated two months ago, and it is quite possible that an estimate made later would be still lower, but if an appropriation is to be asked for now I do not recommend any reduction from the figure given.

Yours truly,

F. DEANE AVERY.

ESTIMATE OF COST OF PROPOSED BRIDGE BETWEEN GREENFIELD AND
TURNERS FALLS.

Piers and foundation,	\$137,000
Arch ribs,	47,000
Columns and beams,	66,000
Top slab,	28,000
Falsework,	64,000
Reinforcing,	26,000
Paving,	13,000
Fences, brackets, lamp-posts, etc.,	16,000
Finishing concrete,	7,000
Conduit and wiring,	4,000
East approach,	11,000
West approach,	13,000
Railroad changes,	2,000
Bridge and building removal,	7,000
Temporary road,	4,000
Plant rental,	18,000
Bad weather allowance,	8,000
Contingencies and profit,	64,000
Engineering, inspection and testing,	53,000
Land damage,	20,000
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	\$608,000

A true copy. Attest:

HUGH E. ADAMS,
Clerk.