

O. R. King Road Improvement

Improved Road Notice

Auditor's Office Madison County
London Ohio Jan. 17th 1893

Notice is hereby given to all parties interested that O. R. King filed his and others petition with the County Commissioners of Madison County Ohio on the 30th day of December 1892 asking for the establishment and improvement by widening (where needed) grading graveling draining and bridging of a road known as the King Road on the following route

Commencing at the Middle Pike where said King Road intersects the same, thence in a Southwesterly direction through the lands of Lester Bidwell Michael Grady Edward Brathwaite, Willis Glover, J. W. King O. R. King David Gatton Mrs. Jno. Gilbert, George Boswell and Isaac Brathwaite and as near as practicable on the line of said King Road to the intersection of said King road with the Blair Pike all of said road being in Jefferson township.

Said road improvement is petitioned for under the two-mile assessment Pike Laws of Ohio, and notice is hereby given that the Commissioners have appointed viewers and a surveyor and ordered that they meet at the School House known as the Lester Bidwell School House in Jefferson township, at the intersection of said King Road with the Middle Pike on Monday the 13th day of February 1893 at 10 o'clock A. M. and proceed to view and survey said route, and make a written report of the same to the County Commissioners, at the Auditor's office of Madison County on Monday the 6th day of March 1893 at 11 o'clock A. M.

W. C. Ward
County Auditor

The foregoing notice was published in the Madison County Democrat in its issues of January the 18th and 25th and February the 1st and 8th 1893

O. R. King Road Improvement

Auditor's Office Madison County

London Ohio Jan. 20th 1893

To

Robert Fullerton Joseph Williams and
David Brown, Viewers and Herschel McCafferty, Surveyor.
Gentlemen

A petition having been presented to the Board of County Commissioners of Madison County Ohio praying for the improvement under the provisions of Law relating to two-mile assessment pikes, of a road known as the King Road by widening (where needed) grading graveling draining and bridging said road along the following route to wit:

Commencing at the Middle Pike where said King Road intersects the same thence in a Southwesterly direction through the lands of Lester Bidwell Michael Grady Edward Brathwaite Willis Glover J. W. King O. R. King David Gatton Mrs. Jno. Gilbert George Boswell and Isaac Brathwaite and as near as practicable on the line of said King road to the intersection of said King Road with the Blair Pike. Said Road being about $2\frac{1}{4}$ miles long.

A sufficient bond having also been filed with said Board conditioned as required by law, thereupon said Board appointed you Robert Fullerton, Joseph Williams and David Brown three disinterested freeholders of the County as viewers and Herschel McCafferty surveyor and direct that you meet at the school house known as the Lester Bidwell School House in Jefferson Township at the intersection of the King Road with the Middle on Monday the 13th day of February 1893 at 10 o'clock A.M. and after being duly sworn, to take to your assistance two suitable persons as chain carriers and one marker, and proceed to view, lay out or straighten said road as in your opinion public utility and convenience require, and to assess and determine the damage sustained by any person through whose premises the road is proposed to be laid out, straightened or improved and to do such other things in the premises as are required of you by law, and to make a report of your proceedings in writing, to said Board of Commissioners of said County at the regular session on Monday the 6th day of March 1893 at 11 o'clock A.M.

The Law governing viewers duties may be found in sections 4833 and 4835 of the revised Statutes of Ohio. Said law will be furnished you on day of view.

By order of the County Commissioners

W. C. Ward

County Auditor

O. R. King Road Improvement

Commissioners office Madison County
London Ohio Mar. 6th 1893

In the matter of the
King Road Improvement } Report of Viewers
Petitioned for by O. R. King et al. } Imp. ordered &c.

The report of Robert Fullerton Joseph Williams and David Brown, the viewers heretofore appointed having been made as required by law, and said report being in favor of said improvement and showing that there is a public necessity therefor and the board being fully satisfied by a comparison and count of the petitioners for said improvement and land owners taxable therefor as reported by the viewers and by the testimony of O. R. King H. L. McCafferty and others that a majority of land owners whose lands would be assessed for the expense of the same have signed the petition asking for said improvement, that public utility requires it and that the proceedings heretofore had were in conformity to law.

The Board, therefore, order the reports and plat in said matter to be duly recorded and filed, and said improvement to be made in accordance with the plat, profile and specifications, as recommended in the viewers reports.

The Board appoint Herschel L. McCafferty as engineer to take charge of said improvement to advertise and sell the same according to law and require said work to be done by the 1st day of Sept. 1893. Payments for said work will be made in cash and for the purpose of raising money necessary to pay for said improvement, it was ordered that bonds of the county be issued of as near equal amounts as practicable, due at intervals of six (6) months for the period of five (5) years. Said bonds to bear interest at the rate of 6% per annum, interest payable semiannually.

Bonds and interest payable at the County Treasurers office of Madison County Ohio, and that the proper assessments be placed upon the Road Duplicate as provided by law.

The Board find that the following lands will be benefited by said improvement and should be assessed to pay for the same

O. R. King Road Improvement

Owners Name	Description and Survey	Acres	Rate Per A.	Amit. Assessed By Committee		Amount as Approved by the Commissioners				
				\$	cts	\$	cts	\$	cts	
Jefferson Township										
Alder Rebecca	6643	37 25	10	3	73	15		5	59	
Same	2681	35 41	10	3	54	15		5	31	
Brathwaite C. E.	3157	50 00	2 25	112	50			112	50	
Same	2985	64 93	2 25	146	09			146	09	
Brathwaite J. H.	2985	71 42	1 50	107	13			107	13	
same	2984	100 00	1 50	150	00	30		30	00	
same	2682	141 25	20	28	25			28	25	
same	2682	2 00	20		40				40	
Blair Uriah H.	2985	58 18	30	17	45	25		14	55	
same	2451	29 75	30	8	93	25		7	44	
Boswell George	2985	83 20	1 50	124	80			124	80	
same	6000	203 66	30	61	10			61	10	
Byerly Mary R.	8926-8927-9391	53 82	05	2	69			2	69	
Bidwell Lester	12149	117 25	1 75	205	18			205	18	
same	10701	4 50	25	1	13			1	13	
Bidwell Webster	7061	91 00	40	36	40			36	40	
same	12273	113 00	20	22	60			22	60	
same	10295	26 50	20	5	30			5	30	
same	10701	12 50	25	3	13			3	13	
same	13874	24 50	20	4	90			4	90	
Bidwell Marion	7216	72 75	40	29	10			29	10	
same	12273	44 00	20	8	80			8	80	
same	12273	61 00	20	12	20			12	20	
same	13874	12 08	20	2	42			2	42	
same	6545	50 30	30	15	09			15	09	
Bidwell Monroe	12273	146 50	30	43	96	25		36	63	
same	10295	67 75	15	10	16			10	16	
Beers Jacob	6000	50			30				30	
" same	"	1 81			70				70	
Booth J. W.	6971	53 75	05	2	69			2	69	
same	"	43 60	05	2	18			2	18	
same	12883	12 00	05		60				60	
Bell Elijah	8425	40 25	10	4	03			4	03	
same	"	142 25	10	14	23			14	23	
Baker S. E.	12383	8 00	05		40				40	
Clover Willis	7216	10 48	2 25	23	58			23	58	
same	6000	25 47	2 25	57	31			57	31	

O B King

Owner's Name	Survey	Acres		Rate by Com.					As. approved by The Commissioner		Rate		Amt.	
				#	¢	¢	¢	¢						
Davis John	8461	66	00			05		3 30			10		6 60	
same	2682	13	25			05		66			10		1 32	
same	"	24				05		1 20			10		2 40	
Dunn M. F.	6971	22	75			05		1 14					1 14	
same	9232	22				05		1 10					1 10	
same	6653	13				05		65					65	
Dunn James	12918	19	20			05		96					96	
same	⁸⁹²⁶ 8926-9391	145				05		7 25					7 25	
same	9435-9436	25				05		1 25					1 25	
same	9200	10				05		50					50	
Dunn R. E.		15	1 25					50					50	
Deardoff William	⁸⁹²⁶ 8927-9391	4	12					1 00					1 00	
Daily Patrick	12172	13	0			05		6 50					6 50	
same	13873	22	12			05		1 11					1 11	
Edwards Eleanor	2680	15	00			20		3 00					3 00	
Folmer H. D.	6643	54	50			15		8 18					8 18	
same	2680	36	37			15		5 46					5 46	
same	2681	3	60			15		34					34	
Fellows William W.	4885	12	3			40		49 20					49 20	
same	3157	50				40		20 00					20 00	
same	2985	125				40		50 00			30		37 50	
same	4904	2				40		80					80	
Frey Gottlieb	2985	55	50			10		5 55					5 55	
" Gottlieb	"	75				10		7 50					7 50	
" Mary Ann	"	25	03			10		2 50					2 50	
Gillivan James	6643	50	00			50		25 00					25 00	
same	6000	47	75			15		7 16					7 16	
same	4904	51	75			30		15 53					15 53	
Gilbert Harriet E.	6000	85				10		8 50			15		12 75	
same	2985	51	73			2 25		116 39			2		116 39	
same	"	19	32			2 25		43 47					43 47	
Grewell John	⁸⁹²⁶ 8927-9391	7				05		35					35	
same	6000	33	36			05		1 67					1 67	
Grewell George	"	50				10		5 00					5 00	
Guyton Wm.	6971	33	44			05		1 67					1 67	
Grady Michael	4885	53				2 25		119 25					119 25	
Gatton David S.	2985	90	70			2 25		204 09					204 09	
same	"	50	00			2 25		112 50					112 50	

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Owner's Name	Survey	Assessed by the Committee			As. Approved by the Commissioners		
		Acres	Rate	Am't	Rate	Am't	
Goodison George	2985	250	20	50 00			
" John W.	"	45 48	20	9 10	25	11 37	
" " "	"	45 76	20	9 15	25	11 44	
Huddle Columbus	4904	90 25	30	27 08		27 08	
Haynes E. B.	6000	101 06	15	15 16	20	20 21	
Hume E. M.	"	63 28	15	9 49		9 49	
High Charles	2680	67	05	3 35		3 35	
Johnson Luther	2682	15 10	10	1 51		1 51	
Jones C. C.	"	88 25	15	4 41		4 41	
Jones C. W.	6000	71 22	15	10 68		10 68	
Johnson Abner Jr	2985	112	30	33 60		33 60	
same	2984	61 37	40	24 55		24 55	
Johnson Abner Jr	"	108	30	32 40		32 40	
Johnson Jacob Wilson	2985	50	30	15 00		15 00	
Johnson James	"	127 13	20	25 43		25 43	
same	"	28 56	20	5 77		5 77	
Kimball Freeman	8926 8927-9391	22 93	05	15		15	
same	9435-9436	65 25	05	3 26		3 26	
same	" "	129 80	05	6 49		6 49	
Kilgor John	6643	21 25	20	4 25		4 25	
Kramer Eugene	13873	50	05	2 50		2 50	
Kelley Laura	2681	7	15	1 05	10	70	
Knoff Hattie	16025	15 25	20	3 05		3 05	
King James W.	7216	35	2 25	78 75		78 75	
" Orrin R.	"	50	2 25	112 50		112 50	
same	2985	26	2 25	58 50		58 50	
Kilbury Cornelius	6000	84		1 00		1 00	
" Lindley D. Smith	15476	60	10	6 00		6 00	
Landsky Timothy	2425	6		1 00		1 00	
Lucas David R.	13873	100	10	10 00		10 00	
same	13662	51 25	15	7 69	20	10 25	
same	12273	192	15	28 80	20	38 40	
Lucas Elizabeth	2680	3		1 00		1 00	
Loney Margaret	"	75	10	7 50		7 50	
Lynch Michael	12149	48 50	80	38 80		38 80	
Millikin A. C.	2680	100	10	10 00		10 00	
Morgan Leonard Geo.	"	12	20	2 40		2 40	
" Hannah M.	"	18 62	20	3 72		3 72	
" Leonard	"	3 39	20	72		72	
same	"	25	20	5 00		5 00	
same	"	18 19	20	3 61		3 61	

O. R. King

Owners Name	Survey	As assessed by The Committee			As approved by The Commissioners		
		Acres	Rate	Am't	Rate	Am't	
Mellickin Elizabeth	7484	10 25	10	1 03		1 03	
same	2680	120	10	12 00		12 00	
same	"	20	10	2 00		2 00	
Morris M. V.	2682	65	05	3 25		3 25	
" Martin	4904	5 29		1 00		1 00	
Miller F. R. & Providence	3157	3		2 00		2 00	
McCollum S. P.	6000	15	10	1 50		1 50	
Miller H. W. & Anna C.	"	204	05	10 20	10	20 40	
same	9435-9436	72	05	3 60	10	7 20	
same	" "	32	05	1 60	10	3 20	
N. W. Mutual Life Ins Co	2451	325 41	10	32 54		32 54	
same	9232	90	10	9 00		9 00	
same	6971	161 65	10	17		17	
Overly A. J. Jr.	6000	50		1 00		1 00	
" A. J.	"	50		1 00		1 00	
Olney Webster	2985	62 37	30	18 71		18 71	
same	2945	151 50	30	45		45	
" Webster P.	2985	112 30	30	33 69		33 69	
Otman James	"	96	10	9 60		9 60	
Penny John	6000	70 40	10	7 04	15	10 56	
Prose William R.	"	63 75	10	6 38	20	12 75	
Paulus Anthony	6643	111 90	75	83 93		83 93	
Peterman Danl Jr	3157	12 50	20	2 50		2 50	
" Salinda	"	1		50		50	
" Daniel	6971	5	05	25		25	
" Jacob & Matilda	2985	3	'	1 00		1 00	
Peene William	8461	36 40	15	5 46		5 46	
same	2682	60	15	9 00		9 00	
Pugh George M.	"	148 90	15	22 34		22 34	
Quinn Edward	6643	100	80	80 00		80 00	
Rice Alfred	13873	52 50	10	5 25		5 25	
Stanton Jas & Sarah	6643	48 62	1 75	85 08		85 08	
" James	4885	49 88	1 75	87 29		87 29	
Silver Asa	12143	198	05	9 90		9 90	
Smith Butler	2680	24 10	05	1 21		1 21	
" Stephen	"	63 41	15	9 51	20	12 68	
same	4904	30	15	4 50	20	6 00	
same	2680	8	15	1 73	20	1 60	
same	7484	54	15	8 10	20	10 80	
same	8461	13 25	15	1 99	20	2 65	

O.R. King

Owners Name	Survey	As assessed by The Committee				As Approved by The Commissioners	
		Acres	Rate	Amt		Rate	Amt
Seymour Ruth	8461	37 50	10	3 75	15	5 63	
" same "	2682	7	10	70	15	1 05	
Stookey R. C.	2680	269 50	10	26 95	15	40 43	
same	"	110	10	11 00	15	16 50	
Timmons Thos W.	6000	92 35	10	9 24		9 24	
same	"	44	10	4 40		4 40	
same	8461	9 25	10	93		93	
same	2682	261 66	10	26 17	15	39 25	
same	"	33 70	10	3 57		5 57	
Taylor James	7532	210 50	05	10 53		10 53	
same	13661	12	05	60		60	
Weaver James	10701	12	50	6 00		6 00	
Wilson Henry C.	6643	180 35	35	63 19		63 19	
same	4904	20	35	7 00		7 00	
Wilson Jasper W.	3157	28 25	20	5 65	25	7 06	
same	2682	15 2	05	7 60		7 60	
same	2985	50	20	10 00		10 00	
same	"	21 75	20	4 35	25	5 44	
same	"	70 00	20	14 00	25	17 50	
Canaan Township							
Alder Henry	2681	31 50	05	1 38		1 58	
" L. C.	"	121 75	05	6 09		6 09	
" Rebecca	"	10 00	10	1 00		1 00	
" James	12038	43	05	2 15		2 15	
Bidwell Webster	7061	31	40	12 40		12 40	
" Monroe	10295	115	10	11 50		11 50	
same	12273	112	10	11 20		11 20	
Betts Henry	5749	55	05	2 75	10	5 50	
same	6545	3 85	05	1 79	10	38	
Bidwell Stephen	8696	152 48	10	15 25		15 25	
Bell Elijah	13661	10 50	05	53		53	
same	"	10 50	05	53		53	
Converse Jas. W.	2681	40	05	2 00		2 00	
Cutler David	12126	81 50	05	4 08		4 08	
same	2681	37	05	1 85		1 85	
Chandler Wm J.	12126	66	05	3 30		3 30	
Daily Patrick	10701	35	10	3 50		3 50	
same	5749	85	10	8 50		8 50	
same	6545	46 40	10	4 64		4 64	
same	12038	10	10	1 00		1 00	
same	12272	130	05	6 50		6 50	
same	6644	36 86	10	3 69		3 69	

O. R. King

Owners Name	Survey	As assessed by the Committee				As approved by the Commissioners			
		A.	Rate		Am't.				
Reigh M. V.	12038	101	50	05	5 08				5 08
.. M. D. Angelina	..	25		05	1 25				1 25
Gillivan James	10701	40	81	10	4 08				4 08
Jones C. C.	"	95	55	10	9 56				9 56
Kelly Laura	2681	71		10	7 10				7 10
Kilgore John	6643	28		20	5 60				5 60
Morse Joseph	10701	14	14	10	1 41				1 41
Martin Chas.	2681	14		15	2 10				2 10
McKellan W. H.	..	4	18	10	1 00				1 00
Millikin John L.	..	90	75	10	9 08				9 08
same	10701	19	80	05	1 98				1 98
Millikin James	2681	20		05	1 00				1 00
Newhouse Emma	12126	15			75				75
Rutan James	2681	2			50				50
Stucky Eugene H.	8696	47	90	05	2 40				2 40
Summers S. H.	..	52	42	05	2 62				2 62
Thomas James	2681	39	84	10	3 98				3 98
Trimmons Thos. W.	8696	47	90	10	4 79				4 79
Wright Henry	2681	127	09	05	6 35	10			6 35
Wilson John L.	13874	52		10	5 20				5 20
same	12295	55	50	10	5 55				5 55
same	5749	111	50	10	11 15				11 15
same	5744	153	22	05	7 66				7 66
Wilson Albert W.	6800	36		05	1 80				1 80
.. Valentine H.	..	60		05	3 00				3 00
same	5744	185		05	9 25				9 25
Wilson William M.	12038	215		05	10 75				10 75
Monroe Township									
Crowel George	1095	25		05	1 25				1 25
Mark M. D.	..	80		05	4 00				4 00
McKell Sean D.	..	95		05	4 75				4 75
Fay for James M.	..	20		05	1 00				1 00

O. R. King

O. R. King Road Improvement

Commissioners Office Madison County
London O. Nov. 27 A.D. 1893

The Board of Commissioners of Madison County met in special session today pursuant to adjournment with A. C. Millikin M. L. Rea and James Withrow present

In the matter of O. R. King } Hearing on Report of
Road Improvement } Apportioning Committee

Messrs F. A. Wickel Alvin J. Blue and A. W. Boyd heretofore appointed by the Commissioners of Madison County Ohio, to apportion the expense of said O. R. King Road Improvement upon the real property reported by the viewers as benefited, having filed their Report in the Auditors office of said county, and this being the day fixed for the hearing of said report, and exceptions to same and the Commissioners having met to consider the matter, and proof being made satisfactory to the board that lawful notice had been given of the time and place set for said hearing. Thereupon the cause came to be heard, and all persons interested were granted a hearing before the Board, including Isaac Brathwaite and D. H. Folmer, who had filed exceptions in writing to the amount of their assessment on certain tracts of land.

The Board was engaged during the entire day in hearing evidence and statements upon the location of the various lots and tracts of real property assessed, and exceptions to the report of the apportioning committee.

Not having sufficient time this day to act upon said report, the Board adjourned the further hearing upon the same until the next day
Nov. 28 1893

Adjourned to meet upon the following day at 10 o'clock A.M.

A. C. Millikin } Commissioners
M. L. Rea } of Madison County
James Withrow }

W. D. Wilson
Auditor and Clerk

O. R. King Road Improvement

Commissioners office Madison County
London Ohio Nov. 28th A.D. 1893

This day the Board of Commissioners of Madison County met pursuant to adjournment of the previous day with all members present

In the matter of the O. R. King } Changes in the
Road Improvement } Assessment &c

The Board resumed the further consideration, of the report of the apportioning Committee on the O. R. King Road Improvement and after a careful examination of said report and hearing all exceptions thereto the board ordered that the following changes and additions be made in and to the assessments reported by said Committee

Add to Rebecca Alder's assessment	\$3.63	making same	\$5.59
" " John Davis'	5.16	" "	10.32
" " Harriet C. Gilberts	4.25	" "	12.75
" " John W. Goodson's	4.56	" "	18.25
" " E. B. Haynes'	5.05	" "	20.21
" " D. R. Lucas'	12.16	" "	38.65
" " John Penny's	3.52	" "	10.56
" " H. W. & A. C. Miller's	15.40	" "	30.80
" " Stephen Smith's	7.90	" "	33.73
" " Ruth Seymours	2.23	" "	6.68
" " R. E. Stuckey's	18.98	" "	56.93
" " Thos. W. Timmon's	13.08	" "	59.39
" " Jasper Wilson's	6.00	" "	47.60
" " John S. Wilson's	10.85	" "	40.41
" " Henry Betts	2.94	" "	3.88
Deduct from O. B. Brathwaite	120.00	" "	165.78
" " Uriah Blair's	4.39	" "	21.99
" " Monroe Bidwells	7.33	" "	46.79
" " W. W. Fellows'	12.50	" "	107.50
" " Laura Kelley's	35	" "	.70
" " Michael Crady's	3.00	" "	119.25
Assess Laura Kelley heretofore omitted			7.10
" Timothy Lindsky		" "	6.00
" Henry Wright		" "	6.35
" James Gillivan		" "	4.08
" Jos. Morse		" "	1.41
" James Millikin		" "	1.00

over

and that said report as changed above be confirmed and the Auditor of Madison County place the same upon the special duplicate for Collection as required by law.

After the adoption of the above findings and order the Board adjourned to meet in special session

Monday December 4 A.D. 1893

A. C. Millikin
M. L. Rea
James Dithrow } Commissioners

W. D. Wilson
Auditor

Specifications

- 1 Width The road must be opened to a width of 20 feet on each side of the center line.
 - 2 Removing obstructions The contractor must clear the road of all obstructions to the width of 40 feet. All trees and stumps within the area required for the construction of the road bed and ditches shall be grubbed and removed therefrom except in fills where they may be cut off level with the natural surface of the ground; and all earth, rubbish or other matter, liable to obstruct the water way between the abutments of any culvert to be constructed must be removed to a depth deemed by the engineer as sufficient for the necessary water way.
- Corner stones Contractors will be required to preserve all monuments and corners to lands found in the road bed, and will be held responsible if the same are destroyed.
- Grading The grade must in every respect be made to conform to the profile and cross section of the road. The road bed to be smoothly and evenly graded to the width of 11 feet on each side of and crowning 8 inches to the center line. The sides of all cuts and fills or ditches, to receive a side slope of 45° degrees or 1 horizontal to one perpendicular leaving 2 feet berm of unbroken earth at base of fills.
- Before any of said road bed is graded there must be 80 rods graded to the specifications and accepted by the engineer in charge, and therefore whenever there are 80 rods graded of said road bed and before there is any gravel placed upon the same the 80 rods together with the ditches and culverts thereon must be examined and accepted by the engineer as aforesaid. And if the same is not completed to these specifications and to the acceptance of the Engineer, and in case the contractor refuses to complete the same, according to the directions of the engineer, made in accordance with these specifications then the engineer and commissioners of this county shall have the right to declare said contract forfeited and they shall have the right to rellet the same. Should the road bed after being accepted be cut up by travel, the contractor must scrape, fill and smooth off all uneven places in the surface of the grade before any gravel is placed thereon.
- Ditches On each side of said road road there must be cut a ditch not less than two feet wide in the bottom and in no place less than 18 inches deep and in low wet places not less than 2 feet deep. All earth excavated from the ditches must be used in building the road bed as aforesaid. The ditches must have an even grade in the bottom and be smoothly cut so that the water will flow unobstructed to the culverts and sewers.
- Cuts and fills The cuts to be made of the depths shown in profile and the excavated earth to be conveyed to low places and there used in making necessary fills. The road bed and ditches in the cuts will be the same width as above described.

Gravel-The gravel to be of good quality, and entirely free from top dirt, loam clay or sediment and to be uniformly spread upon the center of the road bed as above prepared 11 feet wide and 12 inches deep. Each cubic yard containing large stones, or coarse gravel to be thoroughly raked and no stone exceeding 4 inches in diameter is to be considered as gravel and must not be used in the construction of said road. There being 2151 yards of gravel to the mile. And if at estimate time, or upon the engineers examining any portion for acceptance by the commissioners, and he find any portion of the same that he considers not of quality, and does not contain the quantity herein required, then an estimate shall not be issued until said work is finished in accordance with the requirements of these specifications, and it shall be the contractors duty to furnish the same or forfeit his contract. Estimates will be issued monthly on completed work which will be paid from the county treasury in cash after the usual 20% deduction. And no estimate shall be issued until the work inspected is fully completed and not lacking any thing under these specifications. When all of said road is completed it shall be inspected by the Commissioners and Engineers and if they find the completion of said work entirely satisfactory to them, then said Commissioners and Eng. shall issue a certificate for the final acceptance, and the contractor shall receive his pay in full for said work. All Labor material and tools must be furnished by the contractor. Specifications for 5 foot Stone Culvert The culvert will be 24 feet long and in the clear will be 5 feet wide. A pit will be excavated 25 feet long 3 feet wide and to a depth 1 foot more than the height of the walls and when walls are up all earth between them must be removed to a depth of 2 feet from the bottom of the walls and thrown into the fill back of the same. In these foundations erect 2 walls parallel and at right angles to, and one half the length of each on each side of the center line of the road. These walls to be built 24 feet long 2 feet thick and $5\frac{1}{2}$ feet high and 5 feet apart in the clear. These are to be covered with good sound well stratified flagging 8 inches thick $7\frac{1}{2}$ feet long, and not less than three feet wide, and each piece to be nicely jointed, to prevent dirt from sifting through. To side walls construct wings two feet thick, 3 feet long each in the direction of the road, excluding the thickness of the wall. Upon wings and covering stone at each end of culvert, raise parapet walls to level of dirt, grade and cap these with three round and well stratified stone $5\frac{1}{4}$ feet long 8 inches thick $2\frac{1}{2}$ feet wide. All stone work to be of range work with joints well broken and laid flat on their natural quarry bed. The stone employed must be best sound Greenfield hand stone or its equivalent well stratified and of large beds. All the above specified culvert Masonry must be laid in well tempered mortar, made of clean sharp sand 2 parts and best Louisville cement 1 part and mixed with clean water, used before setting and enough mortar must be used to fully imbue the stone. There being employed 303 perches of hand stone and 7.5 perches flagging. Sewers-All sewers and surface drains are to be constructed of pipe or tile of the size shown on the profile which shall be a truly first class and care fully laid in trenches, excavated to a solid foundation, and rounded in the bottom to fit the pipe. In filling above them the dirt to be tamped until solid. Each end of the tile to be protected by a wall of stone, made of Greenfield hand stone and cement mortar. Said walls to be 1 foot thick extending from the level of the grade, to a depth of at least 1 foot below the trench in which the tile or pipe is laid. Being about $1\frac{1}{2}$ perches to the sewer.

Changing of Specifications. The Commissioners and Engineer reserve the right to alter or change these specifications and at any time during the progress of the work. And if more work is required by any change then the contractor is to receive extra pay for the same to be estimated by the engineer, and if less work is required, then there is to be a corresponding reduction to be estimated as above. Time for Completion All of said Road Improvement to be fully completed by September 1st 1893.

For further particulars see cross section and profile.