

Kalkaska County Road Commission

1049 Island Lake Road
Kalkaska, MI 49646
Telephone: 231.258.2242
Facsimile: 231.258.8205

The Kalkaska County Road Commission is an Equal Opportunity Provider and Employer

REQUEST FOR BIDS – DUST CONTROL MATERIALS

Sealed bids will be received until 9:00 a.m., Wednesday, December 5, 2018, at the office of the Kalkaska County Road Commission, 1049 Island Lake Road, Kalkaska, MI 49646, for furnishing the following:

2019 DUST CONTROL MATERIALS

Bids must be submitted on the Road Commission's bid form. Bids need to be received in a clearly marked sealed envelope stating "DUST CONTROL MATERIALS." Bids will be opened at the regularly scheduled meeting of the Finance Committee at 9:00 a.m. Wednesday, December 5, 2018. Awarded bids will be approved at the regularly scheduled meeting on Wednesday, December 12, 2018.

DUST CONTROL MATERIAL:

- 1. Providing documentation stating the product to be applied is a tested product and qualifies to be applied to the roads and meets KCRC minimum concentration requirements prior to application.**
- 2. Material shall be applied to the complete width of the road +/-1 foot.**
- 3. For one application of dust control material on the roads within its County (approx. 266 miles) and if a township would like to do additional round on their township.**
- 4. Filling out all required permits for the application of spreading of the brine (State, County Road Commission) prior to application.**
- 5. Provide proof of liability insurance naming the Kalkaska County Road Commission insured in the amount required by the R.O.W. permit prior to application.**
- 6. Equipment utilized in brining must be capable of maintaining a set application rate regardless of the equipment's travel speed.**
- 7. Explain how the equipment noted above is calibrated to determine the application rate in proposal.**
- 8. Must provide a daily log of mileage, brine usage and roads completed upon completion of application.**
- 9. State the Warranties and Guarantees in proposal.**

KCRC shall be responsible for:

- 1. Providing a map of the roads to be brined.**
- 2. Notifying contractor when brine needs to be applied.**
- 3. Ensuring roads in which brine is applied are prepared for application.**

Other Dust control Material:

- 1. Bidders are invited to bid out other dust control material as well.**

Neither Kalkaska County Road Commission nor participating townships' shall accept invoices containing fuel surcharges or additional charges that have not been approved by the Kalkaska County Road Commission.

The Kalkaska County Road Commission reserves the right to adjust quantities, to accept or reject any or all bids, to waive any irregularity or defect in a bid or to accept that bid which is in the opinion of the Road Commission is in the best interest of the county. Application rate shall be .14 gallons per SYD. Higher application rate will be @ the discretion of the contractor and will not be paid for by KCRC.

Requirements for the following materials:

10#/gal Oil Field Brine spread \$/Gallon _____ @ .14 gal/per SYD

Mineral Water min 26% spread \$/Gallon _____ @.14 gal/per SYD.

Calcium chloride Min 26% spread \$/Gallon _____ @.14gal/per SYD.

Mineral water Min 26% \$/Gallon _____ FOB

Calcium Chloride Min 26% \$/ Gallon _____ FOB

All supplies of Oil Field Brine are required by law to follow the rules cited below and meet all DEQ Requirements:

- 1) Contracts involving an application service only may be billed by a flat rate.
- 2) The county must be completed by June 1st 2019.

All work must comply with Kalkaska County Road Commission acquired MDEQ annual permit for Groundwater Discharge.

Thank you for your bid.

John Rogers, Manager
Kalkaska County Road Commission

AFFIDAVIT OF EQUAL OPPORTUNITY

As a condition of obtaining and/or maintaining a contractual relationship with the Board of County Road Commissioners of the County of Kalkaska, State of Michigan, it is hereby certified that this contractor, supplier or contracting organization agrees to provide equal employment opportunity to all employees and applicants, and will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, political affiliations, or beliefs, or citizenship, as required by law. The contractor covenants that applicants are and will be employed, and that employees are and will be treated during employment, without regard to their race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, political affiliations or beliefs, or citizenship. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising; layoff or termination; rate of pay or other forms of compensation; and selection for training, including apprenticeships. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provision of this non-discrimination policy.

On behalf of this organization, I hereby certify that compliance with the above Equal Opportunity Policy is now and will continue to be maintained.

COMPANY _____

ADDRESS _____

CITY/STATE _____

NAME _____

TITLE _____

PHONE _____ **FAX** _____

SIGNATURE: _____ **DATE:** _____

Thank you for your time and interest.

Kalkaska

	From	To	Distance	width	SYDS	Gallons	Date
Adams	Kettle Lake	M-72	1	23	13493.333	1889.0667	
Aller	Kettle Lake	Dead End	0.4	21	4928	689.92	
Aller	Kettle Lake	M-72	1	27	15840	2217.6	
Badder	M-72	Dead End	0.5	24	7040	985.6	
Beebe	Blacktop	Seeley	1.5	26	22880	3203.2	
Boardman River	Island Lake	TWP Line	3.6	16	33792	4730.88	
Brownfire Lane	M-72	Seasonal	0.9	20	10560	1478.4	
Golden	Tyler	Anderson	1	24	14080	1971.2	
Island Lake	Blacktop	Seasonal	2.26	24	31820.8	4454.912	
Mitchell	Tyler	Seasonal	0.4	30	7040	985.6	
Old M-72	Village	Valley	2.3	27	36432	5100.48	
Prough	Blacktop	Thomas	0.86	23	11604.267	1624.5973	
North River	South River	Boardman River	1.3	20	15253.333	2135.4667	
Raybourn	Blacktop	Wheeler Lake	2.2	28	36138.667	5059.4133	
Rice	Seeley	Seasonal	0.3	21	3696	517.44	
Riley	Tyler	Dead End	0.7	22	9034.6667	1264.8533	
Rosenburg	612	M-72	2	27	31680	4435.2	
Shady Lane	612	Dead End	0.2	21	2464	344.96	
Smith Lake	M-72	Seasonal	0.32	17	3191.4667	446.80533	
Smith Lake	Island Lake	M-72	1.66	24	23372.8	3272.192	
South River	Isalnd Lake	North River	6.6	20	77440	10841.6	
Tyler	Mitchell	TWP Line	3	28	49280	6899.2	
Wheeler Lake	612	Raybourn	1.7	25	24933.333	3490.6667	
Lake Placid	612	Dead End	0.5	20	5866.6667	821.33333	
Selkirk	612	Dead End	0.7	20	8213.3333	1149.8667	
Wa Ba Tesse	Kettle Lake	Dead End	0.5	16	4693.3333	657.06667	
Total			37.4			70667.52	

Bear Lake

	From	To	Distance	width	SYDS	Gallons	Date
Birchcrest	Birchwood Springs	Turn arounds	0.3	18.5	3256	455.84	
Barkley	Goose Creek	Private Road	0.7	27	11088	1552.32	
Birchwood Springs	West Bear Lake	Birchcrest	0.2	20	2346.6667	328.53333	
East Bear Lake	Blacktop	Private Road	0.3	19.5	3432	480.48	
Forest Trail	M-72	Seasonal	1.2	17	11968	1675.52	
Glenwood	West Bear Lake	Dead End	0.4	17	3989.3333	558.50667	
Goose Creek	M-72	Barkley	0.8	30	14080	1971.2	
Goose Creek	Barkley	612	4.3	24	60544	8476.16	
King	TWP Line	Portage Creek	4.1	20	48106.667	6734.9333	
Lake Valley	M-72	Dead End	2.15	23.5	29641.333	4149.7867	
Portage Creek	King	Camp Arrowhead	6.2	20	72746.667	10184.533	
Swamp	M-72	Riverview	2	18.5	21706.667	3038.9333	
Yellow Tree	Riverview	Dead End	2	17	19946.667	2792.5333	
Riverview	Riverview	Seasonal	0.1	18	1056	147.84	
Total			24.75			42547.12	

Garfield

	From	To	Distance	width	SYDS	Gallons	Date
Birgy	Henschell	Lund School	0.5	21	6160	862.4	
Campbell	West Sharon	TWP Line	1	26	15253.333	2135.4667	
County Line	Morrestown	Seasonal	0.7	15	6160	862.4	
Crouch	West Sharon	Gray	1	20	11733.333	1642.6667	
Donathan	West Sharon	Seasonal	1.9	22	24522.667	3433.1733	
Dutch John	West Sharon	Old M-66	6.82	22	88023.467	12323.285	
Four Piont	Morrestown	Dead End	0.4	19	4458.6667	624.21333	
Four Piont	Morrestown	Seasonal	0.6	19	6688	936.32	
Gray	M-66	Crouch	1.5	20	17600	2464	
Henschell	Ingersoll	Dead End	1.8	23	24288	3400.32	
Henschell	Birgy	Lund	1	20	11733.333	1642.6667	
Henschell	Lund	Dead End	0.6	21	7392	1034.88	
King	Military	TWP Line	3.5	19	39013.333	5461.8667	
Lund	M-66	Dead End	1.45	20	17013.333	2381.8667	
Lund School	Lund	Henschell	1.74	22	22457.6	3144.064	
Manistee River	Old M-66	Seasonal	0.35	18	3696	517.44	
Military	Blacktop	King	1.63	26	24862.933	3480.8107	
Mockerman	West Sharon	Dead End	0.45	23	6072	850.08	
Naples	Fletcher	Seasonal	1.5	21	18480	2587.2	
Old W. Sharon	West Sharon	West Sharon	0.42	15	3696	517.44	
Shively	West Sharon	Dead End	1.75	22	22586.667	3162.1333	
Shively	West Sharon	Hatley	1	22	12906.667	1806.9333	
Section 32	S. Manistee river	Turn around	0.25	30	4400	616	
South Sharon	West Sharon	County Line	5.1	30	89760	12566.4	
Sunset	Skip				0	0	
Township	Fletcher	Seasonal	0.5	21	6160	862.4	
West Sharon	M-66	Puffer	1.8	24	25344	3548.16	
Thayer	West Sharon	Dead End	0.24	16	2252.8	315.392	
Total			39.5			73179.979	

0

Oliver

	From	To	Distance	width	SYDS	Gallons	Date
Cool	Pierson	Dead End	2.52	24	35481.6	4967.424	
King	Sunset trail	Twp Line	0.75	22	9680	1355.2	
Mecum	North Sharon	Sunset Trail	3.4	26	51861.333	7260.5867	
N. Sharon	Mecum	Twp Line	3.9	30	68640	9609.6	
Riverview	Twp Line	Twp Line	5.4	23	72864	10200.96	
Sigma	Cool	Mecum	1	24	14080	1971.2	
Sigma Ave	Sigma	Dead End	0.5	23	6746.6667	944.53333	
Kniss	Sigma	Seasonal	0.2	15	1760	246.4	
Kniss	North Sharon	Dead End	0.7	23	9445.3333	1322.3467	
Sunset Trail	Twp Line	King	7.25	23	97826.667	13695.733	
Total			25.62			51573.984	

Rapid River

	From	To	Distance	width	SYDS	Gallons	Date
Beebe	Seeley	Dorman	1	26	15253.333	2135.4667	
Besaw	US-131	Seasonal	0.5	20	5866.6667	821.33333	
Cemetery	Plum Valley	Westwood	1	25	14666.667	2053.3333	
Day	US-131	Plum Valley	1	28	16426.667	2299.7333	
Day	US-131	Wood	2.1	26	32032	4484.48	
Day	Wood	Seasonal	0.4	20	4693.3333	657.06667	
Dorman	Beebe	US-131	1	24	14080	1971.2	
Dundas	Plum Valley	Seasonal	0.28	20	3285.3333	459.94667	
Dundas	Valley	Dead End		18	0	0	
Dundas	Plum Valley	Dead End	2.15	24	30272	4238.08	
Hanson	Seeley	Valley	1	24	14080	1971.2	
Holly	Dorman	Wood	1	26	15253.333	2135.4667	
Lannin	Westwood	Dead End	0.9	18	9504	1330.56	
Leetsville	Phelps	Wood	0.5	24	7040	985.6	
Phelps	US-131	Dead End	2.6	22	33557.333	4698.0267	
Phelps	Holly	Blacktop	0.8	25	11733.333	1642.6667	
Plum Valley	US-131	N. Wheeler Lk	0.7	23	9445.3333	1322.3467	
Priest	Twin Lake	County Line	2	28	32853.333	4599.4667	
Priest	Twin Lake	Croy Lk	1	25	14666.667	2053.3333	
Smith	Wood	Plum Valley	3.1	23	41829.333	5856.1067	
Wallace	US 131	Seasonal	0.5	22	6453.3333	903.46667	
Wallace	Smith	Seasonal	0.78	22	10067.2	1409.408	
Westwood	Lannin	Cemetery	2	19	22293.333	3121.0667	
Westwood	US-131 west	Seasonal	0.5	22	6453.3333	903.46667	
S. Westwood	Westwood	Plum Valley	0.5	21	6160	862.4	
Westwood	US131 east	Township Line	1.2	26	18304	2562.56	
Wheeler Lake	Westwood	Plum Valley	0.5	22	6453.3333	903.46667	
Wheeler Lake	Plum Valley	Seasonal	0.25	25	3666.6667	513.33333	
Wheeler Lake	Twin Lake	Seasonal	0.6	21	7392	1034.88	
Wood	US-131	Seasonal	2.8	28	45994.667	6439.2533	
Total			32.66			64368.715	

Orange

	From	To	Distance	width	SYDS	Gallons	Date
Anderson	M-66	Saunders	2.1	26	32032	4484.48	
Bass Lake	M-66	Township Line	1.8	24	25344	3548.16	
Campbell	Hatley	Dead End	1	18	10560	1478.4	
Cool	M-66	TWP Line	4	27	63360	8870.4	
Golden	Pontius	Anderson	1	23	13493.333	1889.0667	
Gregg	Prough	Crofton	1.79	23	24153.067	3381.4293	
Hall	Ryykman	M-66	0.9	21	11088	1552.32	
Hatley	Campbell	Dead End	1.7	22	21941.333	3071.7867	
Hardwood Lane	M-66	Seasonal	0.5	21	6160	862.4	
Mitchell	Pontius	Anderson	1	22	12906.667	1806.9333	
Krumlauf	Anderson	Pontius	1	22	12906.667	1806.9333	
Luce	Puffer	Dead End	0.8	24	11264	1576.96	
Mitchell	Cool	Dead End	0.5	21	6160	862.4	
Montgomery	Ryckman	M-66	1	22	12906.667	1806.9333	
Pierson	Cool	Dead End	1	24	14080	1971.2	
Pontius	M-66	Golden	3	24	42240	5913.6	
Total			23.09			44883.403	

Springfield

	From	To	Distance	width	SYDS	Gallons	Date
Blue	Shippy	County Line	1	24	14080	1971.2	
Bourne	Maple Hill	Coster	0.9	24	12672	1774.08	
Coster	Blacktop	County Line	3.1	27	49104	6874.56	
Crieghton	Ingersoll	Lund	2	27	31680	4435.2	
Diebert	End Of Blacktop	Dead End	0.7	22	9034.6667	1264.8533	
Gonyer	Coster	Wheeler	1.5	26	22880	3203.2	
Good	Lund	Dead End	0.7	21	8624	1207.36	
Hudson	W.Sharon	Seasonal	0.6	26	9152	1281.28	
Inman	Puffer	Dead End	1	20	11733.333	1642.6667	
Inman	US-131	Shippy	1	24	14080	1971.2	
Inman	Shippy	Dead End	1.13	24	15910.4	2227.456	
Lund	County Line	Shippy	1	27	15840	2217.6	
Maple Hill	Shippy	Bourne	1	28	16426.667	2299.7333	
Puffer	Lund	Dead End	0.75	20	8800	1232	
S. Snyder	Shippy	Seasonal	0.9	24	12672	1774.08	
Sperry	South Synder	Ingersoll	0.9	26	13728	1921.92	
Spring Creek	Lund	Dead End	1.6	19	17834.667	2496.8533	
West Sharon	Hudson	Seasonal	0.52	24	7321.6	1025.024	
Wheeler	Lund	Seasonal	0.74	22	9550.9333	1337.1307	
Wolff	Inman	Seasonal	0.4	22	5162.6667	722.77333	
Maple Hill	Shippy	Grand-Kal	1	23	13493.333	1889.0667	
Maple Hill	Shippy	Bourne	1	22	12906.667	1806.9333	
Total			23.44			46576.171	

Boardman

	From	To	Distance	width	SYDS	Gallons	Date
W. Crofton	US-131	Seasonal	1	24	14080	1971.2	
Boardman River	TWP Line	Blacktop	2.8	19	31210.667	4369.4933	
Larson	US-131	County Line	2.1	24	29568	4139.52	
N. Shippy	US-131	US-131	0.1	19	1114.6667	156.05333	
Quarterline	Larson	Supply	1	24	14080	1971.2	
Hudson	Supply	Seasonal	2.7	24	38016	5322.24	
Butler	Blacktop	Dead End	2.7	24	38016	5322.24	
Woodman	Butler	Hart	2	21	24640	3449.6	
Luce	Butler	Seasonal	1.1	21	13552	1897.28	
Hall	Crieghton	Puffer	2	28	32853.333	4599.4667	
N. Crieghton	Boardman	Seasonal	0.5	20	5866.6667	821.33333	
Raymo	Crofton	Seasonal	1	25	14666.667	2053.3333	
N. Puffer	Boardman	Bass	1.1	18	11616	1626.24	
Bass Lake	Crofton	TWP Line	1	22	12906.667	1806.9333	
Vroom	US-131	Seasonal	1	24	14080	1971.2	
Gregg	Crofton	TWP Line	1	25	14666.667	2053.3333	
Church Street	Blacktop	Seasonal	0.4	20	4693.3333	657.06667	
N. Shippy	Larson	Seasonal	0.5	20	5866.6667	821.33333	
Total			24			45009.067	

Blue Lake

	From	To	Distance	width	SYDS	Gallons	Date
N. Crooked Lake	Blue Lake	Seasonal	1.5	23	20240	2833.6	
Cameron Bridge	Blue Lake	Seasonal	0.5	20	5866.6667	821.33333	
Kenel	CR-612	Seasonal	0.75	21	9240	1293.6	
Bell Ave	Blue Lake	East Street	0.06	19	668.8	93.632	
Bedal Ave	Blue Lake	East Street	0.06	16	563.2	78.848	
Lake Street	Sunberry	Dead end	0.13	18	1372.8	192.192	
Sunberry	Lake street	Dead end	0.14	17	1396.2667	195.47733	
Heller Court	W. Blue Lake	Dead end	0.1	18	1056	147.84	
East Street	Bell Ave	Merrill	0.24	18	2534.4	354.816	
Beaver	Blue Lake	Dead end		17		0	
Merril Ave	Blue Lake	Dead end	0.19	19	2117.8667	296.50133	
Blue Point DR	Blue Lake	Dead end	0.15	19	1672		
Total			3.82			6307.84	

Excelsior

	From	To	Distance	width	SYDS	Gallons	Date
Buck	North Shore	Dead End	0.1	20	1173.3333	164.26667	
Carroll	Sigma	Dead End	0.5	20	5866.6667	821.33333	
Darke	Grass Lake	CR612	1.75	23	23613.333	3305.8667	
Flowing Well	M-72	1/2 IN	0.5	18	5280	739.2	
Grass Lake	Baker	N. Grass Lake	1.1	20	12906.667	1806.9333	
Maple Groove	Crawford Lake	Lake Street	0.2	18	2112	295.68	
Myers	Hagni	CR571	1	26	15253.333	2135.4667	
N. Grass Lake	CR-612	Seasonal	1.1	19	12261.333	1716.5867	
N. Sharon	M-72	Twp Line	2	28	32853.333	4599.4667	
Pine	Crawford Lake	North Shore	0.16	20	1877.3333	262.82667	
State	CR571	Seasonal	1.1	26	16778.667	2349.0133	
Sunset Trail	M-72	Twp Line	2.2	22	28394.667	3975.2533	
Sunset Lane	Maple Groove	Crawford Lake	0.2	20	2346.6667	328.53333	
Wagonshutz	CR571	Crawford Lake	1	26	15253.333	2135.4667	
Baker	Grass Lake	M-72	2	21	24640	3449.6	
Tyler	North Sharon	Twp Line	1	20	11733.333	1642.6667	
Total			15.91			29728.16	

Clearwater

	From	To	Distance	width	SYDS	Gallons	Date
Amidon	Rapid City Road	Rapid City Road	0.5	20	5866.6667	821.33333	
Arts	Rapid City Road	Rapid City Road	0.5	21	6160	862.4	
Baggs	M-72	Turnaround	0.5	21	6160	862.4	
Brook East, West	Crystal Beach	Aarwood	0.63	24.5	9055.2	1267.728	
Brockmier	Titus	Hill	1	26	15253.333	2135.4667	
Dockery	M-72	Seasonal	0.5	23	6746.6667	944.53333	
Gillett	Morrison	Blacktop	1.6	19	17834.667	2496.8533	
Harper	Aarwood	Dead End	1.1	19.5	12584	1761.76	
Hill	Seasonal	Seasonal	1.5	22	19360	2710.4	
Kellogg	Blacktop	Plum Valley	0.6	24	8448	1182.72	
Main	Blacktop	Round Lake	0.2	24	2816	394.24	
Manley	Zimmerman	County Line	0.5	21	6160	862.4	
Round Lake	Aarwood	Dead End	1.75	24	24640	3449.6	
Ruttan	Plum Valley	Seasonal	0.5	19	5573.3333	780.26667	
Ruttan	Plum Valley	Dead End	0.4	19	4458.6667	624.21333	
Ruttan	Zimmerman	County Line	0.5	24	7040	985.6	
South Baggs	M-72	Seasonal	0.5	21	6160	862.4	
Schnieder	Round Lake	Seasonal	1	24	14080	1971.2	
Streets			1	21	12320	1724.8	
Tiffany	M-72	Dead End	0.3	24	4224	591.36	
Titus	Blacktop	Seasonal	0.2	17	1994.6667	279.25333	
Townline	Rapid City	Seasonal	1.2	20	14080	1971.2	
Trosko	Kellogg	Dead End	0.2	18	2112	295.68	
Walker	Hill	Seasonal	1.1	24	15488	2168.32	
Way	Hill	Morrison	1.5	24	21120	2956.8	
Zimmerman	Blacktop	Ruttan	1.5	24	21120	2956.8	
			20.78			37919.728	

Coldsprings

	From	To	Distance	width	SYDS	Gallons	Date
Camp Tanuga	CR-571	Dead End	0.9	20	10560	1478.4	
Covert	CR-571	Twin Lake	3.5	24	49280	6899.2	
Croy Lake	CR-571	Priest	2.25	24	31680	4435.2	
Cunningham	Covert	Twin Lake	1	28	16426.667	2299.7333	
Cunningham	Starvation LK	Twin Lake	1.5	20	17600	2464	
Davis	Twin Lake	Seasonal	0.27	20	3168	443.52	
Davis	Twin Lake	Dead End	0.63	24	8870.4	1241.856	
S.Davis	Croy Lake	Dead End	0.5	18	5280	739.2	
East Circle	CR-612	West Circle	0.4	24	5632	788.48	
Joe's	Twin Lake	Dead End	0.5	20	5866.6667	821.33333	
N. County Line	Priest	Seasonal	0.2	22	2581.3333	361.38667	
Park Drive	East Circle	Sand's Park	0.1	22	1290.6667	180.69333	
Rita	Tower	Woodland	0.3	26	4576	640.64	
Rogers	CR-612	Covert	3	30	52800	7392	
Sedwarft	East Shore	Rogers	0.4	22	5162.6667	722.77333	
Tower	East Shore	Rogers	0.7	20	8213.3333	1149.8667	
Tower	Sunset Trail	Rogers	1.4	24	19712	2759.68	
WC Cross	Sand's Park	Dead End	0.2	20	2346.6667	328.53333	
West Circle	CR-612	East Circle	0.35	24	4928	689.92	
Wood	CR-571	Seasonal	0.5	22	6453.3333	903.46667	
Woodland	Tower	Dead End	0.9	26	13728	1921.92	
Forest	East Shore	Dead End	0.21	24	2956.8	413.952	
Cherry	East Shore	Forest	0.2	22	2581.3333	361.38667	
Beachnut	East Shore	Forest	0.2	22	2581.3333	361.38667	
Plum Valley	Priest	Seasonal	0.5	20	5866.6667	821.33333	
Westwood	Priest	Seasonal	0.5	22	6453.3333	903.46667	
Oak	East shore	Forest	0.2	20	2346.6667	328.53333	
Total			21.31			41851.861	