

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

H.A. LEHNHARDT,
DISTRICT SALES MANAGER

SALES DEPARTMENT

L.L. CAMPBELL,
ASSISTANT

SAN DIEGO, CAL. June 7, 1920.

SUBJECT:
Water Rock Macadam Roads

Mr. Ed. Fletcher,
920 Eighth Street,
San Diego, California.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Being aware of the deep interest that you are taking in the matter of proper road building, and especially feeling that you will be particularly interested in water rock macadam roads, we are giving you below some information in regard to them.

Water rock macadam roads have been giving good service over long periods of years before the advent of motor traffic, which introduced new forces on the road, and increased the maintenance on water rock macadam roads beyond an economical limit. These roads have provided excellent bases upon which to put wearing surfaces of asphaltic concrete, as the following examples will show:

California State Highway

Approximately 12 miles of the total of 38 miles of the California State Highway between San Francisco and San Jose were constructed in 1913 and 1914 of 5" water rock macadam base and surfaced with 1 1/2" asphaltic concrete. This highway is subjected to exceptionally heavy traffic, and is today in excellent condition, and has required practically no maintenance.

Columbia Highway, Oregon

The Columbia Highway in Oregon, which extends from Pendleton in Eastern Oregon to Astoria, a distance of approximately 300 miles, is surfaced with approximately 2" of asphaltic concrete on water rock macadam, or on broken stone base. The construction started in 1912, and the road is in excellent condition, with practically no maintenance.

(Mr. Ed. Fletcher - 2)

City of Sacramento

The City of Sacramento in 1913 laid 1 1/2" asphaltic concrete on 5" water rock macadam base on Twelfth Street from the entrance to the city to H Street. This street is the main entrance to the city from the northern part of the state, and is subjected to heavy traffic conditions. It is in excellent condition today and has had practically no maintenance.

City of San Rafael

In 1914 the City of San Rafael, California, laid 2 1/2" asphaltic concrete surface on Petaluma Avenue from Linden Lane to Allman Avenue, and on Fourth Street from Shannons to the end of the city limits towards San Anselmo. This road is in good condition and has required no maintenance to date.

That this type of construction is not new, or confined to localities on the Pacific Coast, is shown by the following examples:

Boston, Massachusetts, in 1902, on Hancock Street, laid a 2" asphaltic concrete wearing surface on water rock macadam base.

Chicago, Illinois, in 1906, surfaced the Sheridan Boulevard with 2" of asphaltic concrete, the base being water rock macadam.

In Pueblo, Colorado, there are approximately 77,800 square yards of asphaltic concrete surface laid on water rock macadam base. Some of this work was laid in 1904.

Connecticut State Highway in 1912 and 1913 surfaced fifty-five miles of water rock macadam with an asphaltic concrete wearing surface.

Yours very truly,

STANDARD OIL COMPANY

By *H. A. Lehnhardt*

District Sales Manager.

HAL-LM
F-400

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

H.A. LEHNHARDT,
DISTRICT SALES MANAGER

SALES DEPARTMENT

L.L. CAMPBELL,
ASSISTANT

SAN DIEGO, CAL. June 18, 1920

SUBJECT:

Specifications - Asphaltum

Mr. Ed. Fletcher,
920 - 8th Street,
San Diego, Calif.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Being under the impression that information pertaining to bids on street and highway work would be of interest to you, we are giving you below some data regarding recent bids, which our representatives in the various fields have obtained for us. In explanation of these bids, the specifications calling for a hydraulic concrete base usually state the thickness and mixture that is required, - for example:

5" - 1-3-6 hydraulic concrete base means that the concrete shall be 5" in thickness and be composed of one part Portland Cement, three parts of sand, and six parts of crushed rock or gravel.

The asphaltic concrete base is usually composed of approximately 60% rock or gravel, 35% sand or fine material, and 5% asphaltum, though the specifications in each particular case vary.

The asphaltic concrete surface is a mixture composed of approximately 92% crushed rock, sand, and mineral filler, and 8% asphaltum.

Bids have been called for and figures submitted in the following localities. The price per square foot does not include grading.

<u>Date of bid</u>	<u>Amount of work</u>	<u>Specifications</u>	<u>Price per sq. ft.</u>
YOLO COUNTY, CALIFORNIA			
4/12/20	10.77 miles	3 1/2" - 1-2 1/2-5 hydraulic concrete base 1 1/2" - asphaltic concrete surface	.265
		4" - 1-2 1/2-5 hydraulic concrete unsurfaced	.235

(Mr. Ed. Fletcher - 2)

<u>Date of bid</u>	<u>Amount of work</u>	<u>Specifications</u>	<u>Price per sq. ft.</u>
		3 1/2" asphaltic concrete base 1 1/2" asphaltic concrete surface Bid awarded for asphaltic concrete base and surface	.222
CITY OF WOODLAND, CALIFORNIA			
4/19/20	19,300 sq. ft.	3" asphaltic concrete base 2" asphaltic concrete surface	.219
CITY OF MARTINEZ, CALIFORNIA			
4/8/20		4" asphaltic concrete base 2" asphaltic concrete surface Ferry St., Main St.	.22
		3" asphaltic concrete base 2" asphaltic concrete surface Susanna, Smith, Mills, Mason Castro, Howard, Ward Streets.	.214
		3" asphaltic concrete base 1 1/2" asphaltic concrete surface Estudillo, Mellus, Jones, Henrietta Streets	.195
CITY OF HANFORD, CALIFORNIA			
March 1920	794,355 sq. ft.	4" asphaltic concrete base 1 1/2" asphaltic concrete surface	.23
	503,171 sq. ft.	4" asphaltic concrete base 1 1/2" asphaltic concrete surface	.2275
CITY OF OROVILLE, CALIFORNIA			
April 1920	216,000 sq. ft.	2 1/2" asphaltic concrete base 1 1/2" asphaltic concrete surface	.195
CITY OF PHOENIX, ARIZONA			
1920	175,221 sq. ft.	3 1/2" asphaltic concrete base 1 1/2" asphaltic concrete surface	.2835
YAKIMA COUNTY, WASHINGTON			
Feb. 9 1920	3 miles	4" 1-3-5 Hydraulic concrete base 2" asphaltic concrete surface Buenna Toppenish Highway	.299

(Mr. Ed. Fletcher - 3)

<u>Date of bid</u>	<u>Amount of work</u>	<u>Specifications</u>	<u>Price per sq. ft.</u>
CITY OF LONG BEACH, CALIFORNIA			
April 1920	108,964 sq. ft.	4" 1-2-3 $\frac{1}{2}$ hydraulic concrete base 2" asphaltic concrete surface 5th St. between Main & Pine Sts.	\$.23
CITY OF SANTA ANA, CALIFORNIA			
April 1920	100,000 sq. ft.	4" 1-3-6 hydraulic concrete base 1 $\frac{1}{2}$ " asphaltic concrete surface 4th Street	.284

Trusting that the above may be of interest to you,
we are

Yours very truly,

STANDARD OIL COMPANY

H. A. Chubb

District Sales Manager

HAL:EC

F-400

March 11, 1922

Standard Oil Company
2351 Colton,
San Diego.

Gentlemen:

Neither the Board of Supervisors nor the county highway commission can spend any money legally within the city limits of El Cajon to build the gap in the highway between El Cajon and Santee.

The money necessary to build this piece of highway is being raised by private subscriptions, and they are having a hard time raising it. You will be much benefited by the completion of this stretch of road.

The people of San tee have raised \$2500 toward this work, the city of El Cajon \$4,000, and we need \$2500 to \$3,000 more to complete. Will you kindly send me your check for a substantial donation, made payable to Sherwood Wheaton, who is the chairman of our highway commission and who will be treasurer of this fund.

Thanking you for your hearty cooperation,
I am

Sincerely yours,

EF:KLM

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

E.T. FERGUSON,
DISTRICT SALES MANAGER
L.L. CAMPBELL,
ASSISTANT DISTRICT SALES MANAGER

SALES DEPARTMENT

SAN DIEGO, CAL. March 13, 1922

SUBJECT:

Mr. Ed. Fletcher,
920 Eighth Street,
San Diego, Calif.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Referring to your favor of March
11th, regarding the question of a sub-
scription to complete the gap in the pave-
ment of the highway between El Cajon and
Santee:

We will be very pleased to give this
question due consideration.

Yours truly,

STANDARD OIL COMPANY

By *E.T. Ferguson*

District Sales Manager

ETF:C

Adv-252

March 31, 1922.

Standard Oil Company,
2351 Colton Street,
San Diego, Calif.

Gentlemen:

We have nearly \$3,000 yet to raise before
we can commence work on the paving of the road
between El Cajon and Santee. Neither the County
Highway Commission nor the County Board of Supervisors
can spend a dollar on this road. The City of El
Cajon cannot finance all of this, and have already
raised one half of the cost.

Unless those interested make a substantial
subscription and the money is raised at an early
date, the whole proceedings will be dropped and those
who have subscribed will be returned their money.

I hope that you can see your way clear
to give us a liberal subscription as per my letter
to you of March 11th.

May I have an early reply one way or the
other as to whether you intend to help out on this
matter or not?

Yours very truly,

ETF:AH

M. J. 6/1 =

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

E.T. FERGUSON,
DISTRICT SALES MANAGER
L.L. CAMPBELL,
ASSISTANT DISTRICT SALES MANAGER

SALES DEPARTMENT

SAN DIEGO, CAL. April 1, 1922

SUBJECT:

Mr. Ed. Fletcher,
920 Eighth St.,
San Diego, California.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Referring to your letter of March 31st, regarding a subscription to complete the pavement of the road between El Cajon and Santee:

This matter has been given attention and as soon as we get a reply from the Home Office we shall be able to advise you. We should hear in a very short time.

Yours very truly,

STANDARD OIL COMPANY

By

E.T. Ferguson
District Sales Manager

ETF:C
Adv-252

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

E.T. FERGUSON,
DISTRICT SALES MANAGER
L.L. CAMPBELL, J.C. Wagner
ASSISTANT DISTRICT SALES MANAGER

SALES DEPARTMENT

SAN DIEGO, CAL. April 13, 1922

SUBJECT:
Donation - El Cajon Paving

Mr. Ed. Fletcher,
C/o Ed. Fletcher Co.,
920 - 8th St.,
San Diego, California.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Referring to your letters of March 11th and 31st:

We are appending a copy of a letter which we have written today to Mr. Strobeck, of the Cuyamaca State Bank of El Cajon.

Yours very truly,

STANDARD OIL COMPANY

By *E.T. Ferguson*
District Sales Manager

ETF:C
Adv-252

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

E.T. FERGUSON,
DISTRICT SALES MANAGER
~~W.C. CAMPBELL~~, J.C. Wagner
ASSISTANT DISTRICT SALES MANAGER

SALES DEPARTMENT

SAN DIEGO, CALIF. April 13, 1922

SUBJECT:

~~Mr. G. L. Strobeck,~~
~~Cuyamaca State Bank,~~
~~El Cajon,~~
California.

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Referring to your letter of March 7th, in which you ask us for a subscription for the purpose of paving the strip connecting the road from Santee to the El Cajon Boulevard:

We are pleased to advise you that our subscription will be in the amount of \$250. Will you please advise us when you wish the check and if we shall send it to you.

Yours truly,

STANDARD OIL COMPANY

By

District Sales Manager

ETF:C
Adv-252

Cc to Mr. Ed. Fletcher, ✓
C/o Ed. Fletcher Co
920 - 8th St,
San Diego, Calif.

April
Fourteenth
1922

Standard Oil Company,
San Diego, Calif.

Attention Mr. E. T. Ferguson

Gentlemen:

I thank you kindly for your letter of the 13th, and the subscription toward the highway work in El Cajon.

Yours very sincerely,

EF:KLM

May 22, 1922.

Standard Oil Company,
San Diego, Calif.

Gentlemen:

At a conference with the city trustees of El Cajon, they have agreed to immediately proceed with the sale of their \$4,000 in bonds for the construction of the highway, as soon as the money is deposited in the Cuyamaca State Bank by the private contributors, and they will immediately thereafter advertise for bids.

Will you kindly make out a check to the Cuyamaca State Bank for your subscription of \$250 and send it to them on the understanding that the money will be returned if for any reason the highway is not built within a reasonable time? We desire to have all of this money in the bank by the first of June.

Yours very truly,

EF:AH

STANDARD OIL COMPANY

INCORPORATED IN CALIFORNIA

E.T. FERGUSON,
DISTRICT SALES MANAGER

SALES DEPARTMENT

J. C. WAGNER,
ASSISTANT DISTRICT SALES MANAGER

SAN DIEGO, CAL. May 25, 1922

SUBJECT:

Mr. G. L. Strobeck,
Cuyamaca State Bank,
El Cajon,
California.

C O P Y

Dear Sir:

ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, DELAYS AND OTHER CAUSES UNAVOIDABLE OR BEYOND OUR CONTROL. PRICES OFFERED SUBJECT TO CHANGE WITHOUT NOTICE.

Again referring to your letter of March 7th, and also to communication from Mr. Ed. Fletcher, under date of May 22nd, in which he notes that you are ready for our subscription towards certain work on completing the paving of the road between El Cajon and Santee:

We are enclosing you our check in the amount of \$250, as our contribution towards this work.

We understand that you would like to have all of the subscriptions deposited by the first of June, and that if the highway is not built within a reasonable time, our subscription will be returned to us. We certainly trust that the road work will be completed.

Yours very truly,

STANDARD OIL COMPANY

By *E. T. Ferguson*

District Sales Manager

ETF:C
Adv-252

Cc to Mr. Ed. Fletcher,
C/o Ed. Fletcher Co
920 - 8th St.,
San Diego, Calif.

May 29, 1922

Standard Oil Company,
San Diego, Calif.

Attention Mr. E. F. Ferguson

Gentlemen:

I personally appreciate your spirit of cooperation in the matter of your donation for highway purposes in El Cajon.

Yours truly,

EF:KLM

170-11

December 1, 1922.

Mr. E. T. Ferguson, Mgr.,
Standard Oil Company,
San Diego, Calif.

My dear Mr. Ferguson:

I want to show you in the near future our new subdivision between Del Mar and Cardiff which will undoubtedly be the center of twelve or fifteen thousand acres developed by the Santa Fe Railway, Mr. Henshaw and ourselves, and put under water. We believe that it is the center of the development in that section, and we would like to have you look it over with the idea of establishing a station there, whenever it will suit your convenience to go up there, and we will give you some idea of our plans of development along the coast.

Yours very truly,

EF:AH

August Twenty-ninth,
1 9 2 9

Standard Oil Company,
J. D. Spreckels Bldg.,
San Diego, Calif.

Attention: Mr. Morgan

Dear Mr. Morgan:

This confirms my sons statements to you that Mr. George Lovielle has no legal right to install the gas pumps or even the right to sell gasoline under our lease with him and we shall cancel his lease if you proceed to install same.

Further, under no conditions will we be responsible for any expense you have or may go to in relation thereto.

Yours truly,

EF:AK

Ed Fletcher Papers

1870-1955

MSS.81

Box: 27 Folder: 16

General Correspondence - Standard Oil Company



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