APPENDIX I

The following site data forms are designated as "open sites; not sampled." The sites described herein are depicted on the county materials maps as a "●".

LEGEND

--- Fence

========= Trail or lane

============ Railroad

Road

--- Hedge or trees

Major streams

--- Intermittent streams

Pond or lake

Farm site

Open materials site

Prospective materials site

Center of section

Cemetery

School

Church

Town or city
MATERIAL SURVEY REPORT

SG-1 Qstg

Site No. Qstg Date February, 1967

Sand & Gravel County Pratt

Material Location SE\(^2\) Sec. 12 NE\(^1\) Twp. 27S Range 11W

I. P. Waters Cunningham, Kansas

Owner: Cunningham, Kansas

Nature of Deposit: Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
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<th>Wash</th>
<th>2%</th>
<th>5%</th>
<th>8%</th>
<th>16%</th>
<th>30%</th>
<th>50%</th>
<th>100%</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Grand Island Formation

Material Similar To: 

Specific Gravity (Sat.) (Dry): 

Los Angeles Wear:

Absorption:

Wt. Co.Ft.:

Str. Ratio:

Remarks: Site location on Plate II

Scale: 1" = \(\frac{1}{4}\) Mile
MATERIAL SURVEY REPORT

Site No. SG+2  Qsg1  Date  February, 1967

Sand & Gravel  Pratt

Material  SW 1/4 NW 1/4  Sec. 10  Twp. 27 S  Range 12 W

Location  Margarite Studer, & Leonard Studer Preston, Kansas

Owner  Dry  Address  Good

Nature of Deposit  Open site; not sampled

EXPLORATION DATA

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<th>Depth of Material</th>
<th>Percent Retained</th>
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Wash 200  G.F.  L.L.  P.I.

CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Cu. Ft.  Str. Ratio

Remarks  Site location on Plate II

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+3  
Qsgi  

Site No.  Date  February, 1967

Material  Pratt
Sand & Gravel  County

NE¼  27S  12W  Range
Location  Sec.  Twp.

J. W. Hoeme.  Preston, Kansas
Owner  Address

Nature of Deposit  Accessiblity  Good
Dry

Status of Site  Open site; not sampled

EXPLORATION DATA

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<th>Test Hole</th>
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<th>Depth of Overburden</th>
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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Cu.Ft.  Str. Ratio

Remarks  Site location on Plate II

scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+5
Qsgi

Site No.         Date   February, 1967

Material  Sand & Gravel
County    Pratt

Location     SW¼ SE¼
            Sec. 31 Twp. 27S Range 13W

Owner         Frederick G. Apt
Iola, Kansas

Nature of Deposit  Dry
Accessibility  Good

Status of Site   Open site; not sampled

EXPLORATION DATA

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<th>Depth of Over-burden</th>
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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption  Soundness

Mt. Co. Ft.  Str. Ratio

Site location on Plate III

Scale: 1" = ¼ Mile
SG+6
Qsgi

Date: February, 1967

Material: Sand & Gravel
County: Pratt

Location: SW¼ NE¼
Sec.: 33
Twp.: 27S
Range: 13W

Owner: Gretchen H. Walkup
Address: 107 S. Oak, Pratt, Kansas

Nature of Deposit: Wet
Accessibility: Good

Status of Site: Open site; not sampled

EXPLORATION DATA

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<td>100</td>
<td>200</td>
<td>500</td>
<td>1000</td>
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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Grand Island Formation

Material Similar To:

Specific Gravity (Sat.)
Los Angeles Wear
Absorption
Wt. Co.Ft.

Remarks: Site location on Plate III

Scale: 1" = ½ Mile
MATERIAL SURVEY REPORT

SG-7
Qsg1

Site No. Date February, 1967

Sand & Gravel County Pratt

SE¹ NE¹ Location Sec. 9 Twp. 28S Range 13W

Mae W. Buckner, R. R. 2, Pratt, Kansas Owner name address

Dry Nature of Deposit Accessibility Good

Open site; not sampled Status of Site

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
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<th>Depth of Material</th>
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CORRELATION DATA

Quaternary Geological Age

Grand Island Formation Geological Source

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate III

Scale: 1" = ¼ Mile
**MATERIAL SURVEY REPORT**

**SG-8**

Qsg1  

**February, 1967**

**Site No.**  

**Date**

**Material**  

**County**  

Sand & Gravel  

Pratt

**Location**  

**Sec.** 21  

**Two.** 28S  

**Range** 14W

**Owner**  

Edith Hatfield, R. R. 1, Cullison, Kansas

**Nature of Deposit**  

Dry

**Accessibility**  

Good

**Status of Site**  

Open site; not sampled

### EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
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### CORRELATION DATA

**Geological Age**  

Quaternary

**Geological Source**  

Grand Island Formation

**Material Similar To**


**Specific Gravity (Sat.)**  

(Dry)

**Los Angeles Wear**

**Absorption**  

**Soundness**

**Mt. Co. Ft.**  

**Str. Ratio**

**Remarks**  

Site location on Plate III

**Scale:** 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+9
Qsgí

Site No. Sand & Gravel Date February, 1967
Qsgí

County Pratt

Location SW¼ SE¼ Sec. 13 Twp. 28S Range 14W

Owner See Remarks

Nature of Deposit Dry

Accessibility Poor

Status of Site Open site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Wt. Cu.Ft. Str. Ratio

Remarks Site located on Plate III

B. A. Barnes est. & Edward Foster, RFD 2 Pratt, Kansas

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+10
Qal

Site No. Date February, 1967

Material Sand & Gravel

County Pratt

Location SE\(\frac{1}{4}\) SW\(\frac{1}{4}\)

Sec. 4 Twp. 28S Range 13W

Owner Gale Taber etux. 315 S. High Pratt, Kansas

Nature of Deposit Dry

Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

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<th>Test Hole</th>
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<th>Depth of Over-Burden</th>
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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Alluvium

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.ft. Str. Ratio

Remarks Site location on Plate III

Scale: 1" = \(\frac{1}{4}\) Mile
# Material Survey Report

**SG+11**  
**Qsgr**

**Site No.**  
**Date:** February, 1967

**Material:** Sand & Gravel  
**County:** Pratt

**Location:** NW₁/₂ NW₁/₂  
**Sec.:** 10  
**Twp.:** 28S  
**Rango:** 13W

**Owner:** City of Pratt  
**Address:** Pratt, Kansas

**Nature of Deposit:** Dry  
**Accessibility:** Good

**Status of Site:** Open site; not sampled

## Exploration Data

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<th>Test Mile</th>
<th>Material at Bottom of Hole</th>
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## Correlation Data

**Geological Age:** Quaternary  
**Geological Source:** Grand Island Formation

**Material Similar To:**

**Specific Gravity (Sat.)** (Dry)

**Los Angeles Wear**

**Absorption**  
**Boundness**

**Wt. Cu.Ft.**  
**Str. Ratio**

**Remarks:** Site location on Plate IV

Scale: 1" = ¼ Mile
**MATERIAL SURVEY REPORT**

**Site No.** SG+12  
**Material** Sand & Gravel  
**County** Pratt  
**Location** SW¼ SW¼ Sec. 35 Twp. 27S Range 13W  
**Owner** Frank Duskoil  
**RFD** RFD 1, Pratt, Kansas  
**Status of Site** Open site; not sampled  

**EXPLORATION DATA**

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<th>Test Hole</th>
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<th>Depth of Material</th>
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**CORRELATION DATA**

**Geological Age** Quaternary  
**Geological Source** Grand Island Formation  
**Material Similar To**  

**Specific Gravity (Sat.)** (Dry)  
**Los Angeles Wear**  
**Abrasion** Soundness  
**Wt. Cu.Ft.** Str. Ratio  
**Remarks** Site location on Plate IV  

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG-13
Qsg1

February, 1967

Sand & Gravel
Pratt

City of Pratt
Pratt, Kansas

Material: NE4 NW4
Sec. 35
Twp. 27S
Range 13W

Location

Owner

Nature of Deposit
Dry

Accessibility
Good

Status of Site
Open site; not sampled

EXPLORATION DATA

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<th>Test Hole</th>
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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To

Specific Gravity (Sat.)
(Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu.Ft.

Str. Ratio

Remarks
Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+14
Qal

Date: February, 1967

Sand & Gravel

County: Pratt

Location: NW 1/4 NW 1/4

Sec.: 35

Twp.: 27S

Range: 12W

Owner: Henry H. Hamm

Address: RFD 1, Pratt, Kansas

Nature of Deposit: Wet

Accessibility: Good

Status of Site: Open site; not sampled

EXPLORATION DATA

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<th>Depth of Overburden</th>
<th>Percent Retained</th>
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<td>1/2 3/4 3/8 4 8 16 30 50 100 Sew 200</td>
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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Alluvium

Material Similar To:

Specific Gravity (Sat.)

Los Angeles Wear

Absorption

Wt. Cu.Ft.

Str. Ratio

Site location on Plate IV

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

VA+15
Qsgi

Site No. Date February, 1967

Volcanic Ash Pratt

Material County

Location Sec. 34 Twp. 27S Range 12W

Ethel Barker 208 S. Pine Pratt, Kansas

Owner Address

Nature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

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<th>Specific Gravity (Sat.)</th>
<th>(Dry)</th>
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<td>Absorption</td>
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<td>Soundness</td>
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<td>Wet. Cst.</td>
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<tr>
<td>Str. Ratio</td>
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Remarks: Site location on Plate IV. This site has expansion possibilities.
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+16  Qsg1  February, 1967

| Test Hole | Material at Bottom of Hole | Depth of Overburden | Depth of Material | 1/2 | 3/4 | 3/8 | 4 | 8 | 16 | 30 | 50 | 100 | Wash | G.F. | L.L. | P.I. |
|-----------|---------------------------|--------------------|------------------|-----|----|----|---|---|---|----|----|----|-----|------|-----|-----|-----|

EXPLORATION DATA

COUPLEATION DATA

Geological Age: Quaternary
Geological Source: Grand Island Formation
Material Similar To:
Specific Gravity (Sat.) (Dry):
Los Angeles Wear:
Absorption:
Wt. Co.Ft.:
Site location on Plate IV. This site has good expansion possibilities.

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+17
Qal

Site No.               Date: February, 1967
Sand & Gravel          Pratt
Material               County
SW 1/4 SW 1/4          Sec. 3     Top. 28S     Range 13W
Location               Garn
Owner                  Box 1011, Pratt, Kansas
Nature of Deposit      Wet
Accessibility          Good
Status of Site         Open site; not sampled

EXPLORATION DATA

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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age: Quaternary
Geological Source: Alluvium

Specific Gravity (Sat.) (Dry)
Los Angeles Wear
Absorption
Soundness
Wt. Cu.Ft.
Str. Ratio

Remarks: Site location on Plate IV

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+19
Qsg1

Site No. Date February, 1967

Sand & Gravel County Pratt

Location Sec. 13 Twp. 28S Range 13W

Owner See Remarks

Nature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Mt. Cu.ft. Str. Ratio

Site location on Plate IV

Remarks
Blanche Fincham (ESE1/4) 510 S. Pine Pratt, Kansas
W. E. Rosenbaum (NE1/4) RFD. 1 Pratt, Kansas

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+20
Qsgi
February, 1967

Site No. Sand & Gravel
Date County Pratt
Material

Location

Sec. 12 Twp. 28S Range 13W

Martha Ellen Cook 518 W. 4th Pratt, Kansas
Owner

Nature of Deposit
Dry

Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Co.Ft. Str. Ratio

Remarks Site location on Plate IV

Scale: 1" = 1/4 Mile
**MATERIAL SURVEY REPORT**

**SG+21**

**Qsgi**

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**Material**

<table>
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<th>Sand &amp; Gravel</th>
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**Location**

<table>
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<th>Sec.</th>
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<th>Range</th>
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**Owner**

<table>
<thead>
<tr>
<th>Evelyn Hillard</th>
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</table>

**RPD. 1 Pratt, Kansas**

**Nature of Deposit**

<table>
<thead>
<tr>
<th>Dry</th>
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</table>

**Accessibility**

| Good |

**Status of Site**

| Open site; not sampled |

**EXPLORATION DATA**

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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<tbody>
<tr>
<td></td>
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<td>Wash 200</td>
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**CORRELATION DATA**

**Geological Age**

*Quaternary*

**Geological Source**

*Grand Island Formation*

**Material Similar To**


**Specific Gravity (Sat.)**

*(Dry)*

**Los Angeles Wear**


**Absorption**


**Wt. Cu.Ft.**


**Site location on Plate IV**

**Scale:** 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+22  Qsgi  

Site No.  Date  February, 1967
Sand & Gravel  County  Pratt

Location  

Mrs. Ross Hillard etal.  407 S. Taylor Pratt, Kansas

Nature of Deposit  Accessiblity  Good
Dry

Status of Site  Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.T.</th>
<th>P.I.</th>
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<td>Hole</td>
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Correlation Data

Geological Age  Quaternary
Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)
Los Angeles Wear
Absorption  Soundness
Wt. Cu.Ft.  Str. Ratio
Remarks  Site location on Plate IV

Scale:  1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG-23
Qsg1

Site No. ________________________ Date ________________

Sand & Gravel County Pratt

Location NE 1/4 NW 1/4 Sec. 6 Twp. 28S Range 12W

Owner Nellie M. Penrod 420 S. Pine Pratt, Kansas

Nature of Deposit Dry Accessibility Poor

Status of Site Open site; not sampled

EXPLORATION DATA

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<th>Depth of Material</th>
<th>Percent Retained</th>
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<td>1 1/2 3/4 2/8 4 8 16 30 50 100</td>
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<table>
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<th>Geological Age</th>
<th>Quaternary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geological Source</td>
<td>Grand Island Formation</td>
</tr>
</tbody>
</table>

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.ft.

Str. Ratio

Remarks Site location on Plate IV

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+24
Qsgi

February, 1967

Site No. ________________________ Date ________________________

Material Sand & Gravel
County Pratt

Location SE\(\frac{1}{4}\), SE\(\frac{1}{4}\) Sec. 36 Twp. 29S Range 14W

Owner Ralph Gilham
Coats, Kansas

Nature of Deposit Dry
Accessibility Fair

Status of Site Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

Scale: 1" = \(\frac{1}{4}\) Mile

CORELATION DATA

Geological Age Quaternary
Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu.Ft.

Str. Ratio

Site location on Plate V
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

<table>
<thead>
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<th>Site No.</th>
<th>Qsg1</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
<td>Sand &amp; Gravel</td>
<td>County</td>
<td>Pratt</td>
</tr>
<tr>
<td>Location</td>
<td>NE\frac{1}{4} SW\frac{1}{4}</td>
<td>Sec.</td>
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<td></td>
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</tr>
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<td>Owner</td>
<td>Josephine Putterbaugh</td>
<td>Haviland, Kansas</td>
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<td>Nature of Deposit</td>
<td>Dry</td>
<td>Accessibility</td>
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EXPLORATION DATA

<table>
<thead>
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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash</th>
<th>G.F.</th>
<th>L.T.</th>
<th>P.I.</th>
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<tbody>
<tr>
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</tbody>
</table>

CORRELATION DATA

Geological Age: Quaternary
Geological Source: Grand Island Formation
Material Similar To:

Specific Gravity (Sat.) (Dry)
Los Angeles Wear
Absorption
Soundness
Wt. Cu.Ft.
Str. Ratio
Remarks: Site location on Plate V

Scale: 1" = \frac{1}{4} Mile
**STATE HIGHWAY COMMISSION OF KANSAS**

**MATERIAL SURVEY REPORT**

SG+26  
Qsg1  

**Site No.**  
**Date**  February, 1967  
**Material**  Sand & Gravel  
**County**  Pratt  
**Location**  NW¼ NE¼  
**Sec.**  25  
**Top.**  29S  
**Range**  15W  

**Melvin Schrepeleux**  Coats, Kansas  

**Owner**  Dry  
**Accessibility**  Good  
**Nature of Deposit**  Open site; not sampled  
**Status of Site**

---

**EXPLORATION DATA**

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material At Bottom of Hole</th>
<th>Depth of Over-Burden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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<tbody>
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**CORRELATION DATA**

**Geological Age**  Quaternary  
**Geological Source**  Grand Island Formation  
**Material Similar To**

---

**Specific Gravity (Sat.)**  (Dry)  
**Los Angeles Wear**

---

**Absorption**  Soundness  
**Mt. Co.Ft.**  Str. Ratio  
**Remarks**  Site location on Plate V  

---

**Scale:**  1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+27
Qsgi

Site No. Date

Sand & Gravel County

February, 1967 Pratt

Location Sec. Twp. Range

NW¼ NE¼ 33 29S 13W

Owner

Joseph Moore Pratt, Kansas

Nature of Deposit Accessibility

Dry Good

Status of Site

Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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</table>

CORRELATION DATA

Geological Age

Quaternary

Geological Source

Grand Island Formation

Material Similar To


Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu.Ft.

Str. Ratio

Remarks

Site location on Plate V

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+28
Qsgi

February, 1967

Site No. Date

Sand & Gravel Pratt

Location

Sec. 33 28S 11W

Ray Ford Isabel, Kansas

Owner

Nature of Deposit

Dry

Accessibility

Good

Status of Site

Open site; not sampled

EXPLORATION DATA

Test Hole | Material at Bottom of Hole | Depth of Overburden | Depth of Material | Wash | G.F. | L.L. | P.I.
---------|---------------------------|---------------------|------------------|------|------|------|------

CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Wt. Co.Ft.

Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG-30
Qsgi

February, 1967

Sand & Gravel Pratt

County

Location
SW 1/4 SE 1/4 Sec. 24 29S Twp. Range 11W

Owner
Sylvia Naasz 1301 N. Veach Kingman, Kansas

Nature of Deposit
Dry

Accessibility
Good

Status of Site
Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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</thead>
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</tbody>
</table>

CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Mt. Co.Ft. Str. Ratio

Site location on Plate VI

Remarks

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+31
Qsg1

Site No. Date February, 1967

Sand & Gravel County Pratt

Location Sec. 27 Twp. 29S Range 13W

W. C. Henry Sawyer, Kansas

Mature of Deposit Dry Address Good

Status of Site Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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<tbody>
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</tbody>
</table>

CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Mt. Cu.Ft. Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG-32
Qal

Site No.____________________ Date ____________________

February, 1967

Material ________________ County ________________

Sand & Gravel Pratt

Location ________________ Sec. ________________ Twp. ________________ Range ________________

SE²⁄₄ SW²⁄₄ 27 28S 11W

Owner ________________ Address ________________

John B. Carrier etal. 838 Bonnie Brae, Casper, Wyo.

Dry Poor

Nature of Deposit Accessibility

Open site; not sampled

Status of Site

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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</thead>
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CORRELATION DATA

Geological Age ________________

Quaternary

Geological Source ________________

Alluvium

Material Similar To ________________

Specific Gravity (Sat.)(Dry) ________________

Los Angeles Wear ________________

Absorption ________________ Soundness

Wt. Co.Fl. ________________ Str. Ratio

Remarks ________________

Site location on Plate VI

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+33  Qsgl
Site No.  Date  February, 1967
Qsgl

Sand & Gravel  Pratt
County

Material  Location
NE⁴ SE⁴  Sec. 30  28S  Range 11W

Dale Armitstead  Isabel, Kansas
Owner  Name  Address

Dry  Accessibility  Good

Status of Site  Open site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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</tr>
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</table>

CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Co.Ft.  Str. Ratio

Remarks  Site location on Plate VI

Scale: 1" = ½ Mile
APPENDIX II

The following site data forms are designated as "open sites; sampled." The sites described herein are depicted on the county materials maps as a "■".

LEGEND

--- Fence
======== Trail or lane
++++++++ Railroad
--- Road
--- Hedge or trees
--- Major streams
--- Intermittent streams
--- Pond or lake

[Diagram of symbols: ■ Farm site, ● Open materials site, ○ Prospective materials site, ○ Center of section, † Cemetery, 1 School, Church, Town or city]
MATERIAL SURVEY REPORT

SG+34  
Qsgr  

Site No.  
Date  
February, 1967

Material  
Sand & Gravel  
County  
Pratt

Location  
NE 1/4 SE 1/4  
Sec. 9  
Twp. 27S  
Range 12W

Owner  
J. W. Hoeme  
Preston, Kansas

Nature of Deposit  
Dry  
Accessibility  
Good

Status of Site  
Open site; sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash</th>
<th>G.R.</th>
<th>L.L.</th>
<th>P.I.</th>
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<tr>
<td></td>
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<td>1/2 3/4 3/8 4 8 16 30 50 100</td>
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CORRELATION DATA

Geological Age  
Quaternary

Geological Source  
Grand Island Formation

Material Similar To  
Material reported on SHC Form 633  
Lab. No. 28891

Specific Gravity (Sat.)  
2.62  
(Dry)

Los Angeles Wear  
32.2 (D)

Absorption  
0.5  
Soundness  
0.98

Mt. Cft.  
111.3

Str. Ratio

Remarks  
Site location on Plate II

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+35
Qsgi

February, 1967

Site No. _______________ Date _______________

Material Sand & Gravel County Pratt

Location SW¼ SE¼ Sec. 9 Twp. 28S Range 13W

Owner Mae E. Buckner R. R. 2, Pratt, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Open site; sampled

EXPLOREATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Material</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash 200</th>
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<th>L.L.</th>
<th>P.I.</th>
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<td>15</td>
<td>0</td>
<td>3</td>
<td>71</td>
<td>17</td>
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CORRELATION DATA

Geological Age Quaternary
Geological Source Grand Island Formation
Material Similar To Material reported on SHC Form 619
#76-29 Lab. No. 98327

Specific Gravity (Sat.) 2.61 (Dry)
Los Angeles Abrasion 31.0 (D)
Absorption 0.8
Soundness 0.99
Wt. Coeff. 110.7
Str. Ratio 1 day 0.90, 3 day 0.99

Remarks Site location on Plate III. Gradation data for holes 1 & 6 represent the finest and coarsest material that has been sampled at this site.

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

VA+36
Qsg1

Site No. Date

February, 1967

Material County
Volcanic Ash Pratt

Location Sec. Twp. Range
SW 1/4 NE 1/4 32 27S 14W

Owner
Hugh E. Bryant
920 W. 4th Pratt, Kansas

Nature of Deposit Accessibility
Dry Good

Status of Site
Open site; sampled

EXPLORATION DATA

| Test Hole | Material at Bottom of Hole | Depth of Overburden | Depth of Material
<table>
<thead>
<tr>
<th></th>
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</thead>
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<tr>
<td></td>
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<td>1/16 5/32 1/8 1/4 1/2</td>
<td>2/3 4 8 16 30 50 100 200 Wash L.L. P.I.</td>
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<td>Average</td>
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<td>9B</td>
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<td>12B</td>
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<td>5.0 0 0 0 0 0 0 0 0 1 11 14 86 0</td>
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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Sappa Formation

Material Similar To
Material reported on SHC Form 619 #76-33

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cs.Ft. Str. Ratio

Remarks
Gradation data for holes 9B & 12B represent the finest and coarsest material that has been sampled at this site. Site Location on Plate III
VA-37
Qsqi

Site No. Qsqi Date February, 1967

Material Volcanic Ash County Pratt

Location NW ¼ SE ¼ Sec. 22 Twp. 28S Range 14W

Owner
MRS. Inez V. Woolfolk 210 W. Cleveland, Pratt, Kans.

Nature of Deposit Dry Accessibility Poor

Status of Site Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Sappa Formation

Material Similar To Material reported on SHC Form 619 #76-20
Lab. No. 62352

Specific Gravity (Sat.) 2.36
(Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu. Ft. 54.0

Str. Ratio

Remarks Site location on Plate III. Gradation data for holes 2 & 11 represent the finest and coarsest material that has been sampled at this site.
MATERIAL SURVEY REPORT

SG-38
Qsg1

Site No. Date February, 1967

Material Sand & Gravel County Pratt

Location NW\textsuperscript{4} Sec. 24 Twp. 28S Range 14W

Owner B. V. Hampton Box 150 Pratt, Kansas

Nature of Deposit Dry Accessibility Fair

Status of Site Open site; sampled

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To Material reported on SHC Form 619 #76-7

Lab. No. 62334

Specific Gravity (Sat.) 2.60 (Dry)

Los Angeles Wear 32.2

Absorption 0.98

Wt. Co. Ft. 116.6 Str. Ratio 1 day 1.93, 3 day 1.66

Remarks Site location on Plate III. Gradation data for holes 2 & 8 represent the finest and coarsest material that has been sampled at this site.
MATERIAL SURVEY REPORT

SG-39  
QsgI

February, 1967

Site No.  

Date  

Sand & Gravel  

Pratt

Material  

County

SE 1/4 SE 1/4  

28S 14W

Location  

Sec.  

Twp.  

Range

See Remarks

Owner

Nature of Deposit  

Wet

Accessibility  

Fair

Status of Site  

Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  
Quaternary

Geological Source  
Grand Island Formation

Material Similar To  
Material reported on SHC Form 619

#76-6. Lab. No. 62332

Specific Gravity (Sat.)  
2.60  (Dry)

Los Angeles Wear  
32.2 (C)

Absorption  
0.98

Mt. Cn. ft.  
116.7

Str. Ratio  
1 day 1.43, 3 day 1.46

Gradation data for holes 2 & 6 represent the finest and coarsest material that has been sampled at this site. Site location on Plate III.

B. A. Barnes est.  % Edward Foster  RFD. 2, Pratt, Kansas

Scale: 1" = 1/4 Mile
SG-40
Qsg1

Site No. Date February, 1967

Material Sand & Gravel County Pratt

Location SW ¼ SW ¼ Sec. 28S Range 13W

Owner E. D. Harris 102 S. Ninnescah Pratt, Kansas

Nature of Deposit Dry Accessibility Poor

Status of Site Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To Material reported on SHC Form 633.

Lab. No. 18728

Specific Gravity (Nat.) 2.60

Los Angeles Wear 29.7 (D)

Absorption 0.6

Soundness 0.94

Wt. Cu. Ft. 114.86

1 day 1.34, 3 days 1.35

Remarks Site location on Plate III

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+41
Qal

Site No. Date
Sand & Gravel Pratt
County
Location
Sec. 5
Twp. 28S
Range 13W
Owner
M. R. Barnes Box 1011 Pratt, Kansas
Nature of Deposit
Dry
Accessibility Poor
Status of Site
Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age
Quaternary
Geological Source
Alluvium
Material Similar To
Material reported on SHC Form 633
Lab. No. 21311
Specific Gravity (Sat.)
2.59 (Dry)
Los Angeles Wear
31.2 (D)
Absorption
0.8
Soundness
0.99
Wt. Cu.Ft.
112.28
Str. Ratio
1 day 1.34, 3 day 1.38
Remarks
Site location on Plate III

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+42
Qal

Site No.  Date  February, 1967

Sand & Gravel  County  Pratt

Material  Location  NW  SW

Owner  M. R. Barnes  Box 1011  Pratt, Kansas

Nature of Deposit  Wet  Accessibility  Good

Status of Site  Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary
Geological Source  Alluvium
Material Similar To  Material reported on SHC Form 619
#76-34. Lab. No. 32690

Specific Gravity (Sat.)  2.59  (Dry)  2.58
Los Angeles Wear  35.6 (D)
Absorption  0.4  Soundness  0.98
Wt. Cu.Ft.  110.7  Str. Mat.  1 day 1.27, 3 day 1.21

Remarks  Site location on Plate III

Scale: 1" = 1/8 Mile
MATERIAL SURVEY REPORT

SG+43
Qal

Date: February, 1967

Material: Sand & Gravel
County: Pratt

Location:NE 1/4 SE 1/4 Sec. 23
Twp. 28S Range 11W

Owner: Albert J. Bortz et ux. RFD. 2 Cunningham, Kansas

Nature of Deposit: Dry
Accessibility: Good

Status of Site: Open site; sampled

EXPLANATION DATA

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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Alluvium

Material Similar To: Material reported on SHC Form 633
Lab. No. 1870

Specific Gravity (Nat.) 2.62 (Dry)

Los Angeles Wear 29.4 (D)

Absorption 0.7 Soundness 0.95

Wt. Cu.Ft. 107.4 Str. Ratio 1 day 1.32, 3 day 1.25

Remarks: Site location on Plate IV

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+44
Qal

Site No. ___________ Date February, 1967

Material ___________ Sand & Gravel

County ___________ Pratt

Location ___________ Sec. 23

Twp. ___________ 28S

Range ___________ 11W

Albert J. Bortz etux. RFD. 2, Cunningham, Kansas
Name_________________________ Address_________________________
Nature of Deposit ___________ Dry

Accessibility ___________ Good

Status of Site ___________ Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age ___________ Quaternary

Geological Source ___________ Alluvium

Material Similar To ___________ Material reported on SHC Form 619

#76-19. Lab. No. 82654

Specific Gravity (Set.) ___________ 2.61

(Dry) ___________ 30.8 (D)

Los Angeles Wear ___________ 113.3

Absorption ___________ 1 day 1.34, 3 day 1.20

Soundness ___________ 0.96

Wt. Cu.Ft. ___________ 11.3

Str. Ratio ___________ 1 day 1.34, 3 day 1.20

Remarks ___________ Site location on Plate IV. Gradation data for holes 1 & 3 represents the finest and coarsest material that has been sampled at this site.

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+45
Qal
February, 1967

Site No. Date

Sand & Gravel County Pratt
Material Location

S2 Sec. 2 28S Twp. Range 13W

Location

See Remarks

Owner

Nature of Deposit Wet Accessibility Good

Status of Site Open site; sampled

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CORRELATION DATA

Geological Age

Quaternary

Geological Source

Alluvium

Material Similar To

Material reported on SHC Form 619

#76-21 (Revised) Lab. No. 9995

Specific Gravity (Sat.) 2.62 (Dry)

Los Angeles Wear 30.2 (D)

Absorption

0.98

Wt. Cu.Fl. 110.2 Str. Ratio 1 day 1.29, 3 day 1.28

Site location on Plate IV

Floyd M. Withers (SW\(\frac{1}{4}\)SE\(\frac{1}{4}\)) RFD. 2 Pratt, Kansas

State of Kansas (SE\(\frac{1}{4}\)SE\(\frac{1}{4}\)) State Fish Hatchery, Pratt, Kans.

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

Site No. SG-46
Owner Ed Hoffman

Material Sand & Gravel
County Pratt

Location NE ¼ SE ¼ Sec. 27
Owner Ed Hoffman

Depth of Material 1/2 3/4 3/8 4 8 16 30 50 100
Percent Retained 20 35 59 88 98 4 3.16
4 18 0 15 20 11 17 24 35 62 88 98 4 3.41
8 22 0 0 26 16 28 5 16 28 52 85 98 3 2.87

EXPLORATION DATA

Correlation Data

Geological Age Quaternary
Geological Source Grand Island Formation
Material Similar To Material reported on SHC Form 619
No. 76-32, Lab. No. 10618
Specific Gravity (Sat.) 2.60
Specific Gravity (Dry) .
Los Angeles Wear 33.5
Absorption .98
Wt. Cu-ft. 109.5
Gradation data for holes 3 & 8 represent the coarsest and finest material that has been sampled at this site. Site location on Plate IV.

Scale: 1" = ¼ Mile
VA-47
Qsq1

Site No. 

Date 

February, 1967 

Material 

Volcanic Ash 

County 

Pratt 

Location 

SW ¼ SW ¼ Sec. 21 Twp. 27S Range 12W 

Owner 

Anna Maas RFD. 1 Pratt, Kansas 

Nature of Deposit 

Dry 

Accessibility 

Good 

Status of Site 

Open site; sampled 

EXPLORATION DATA 

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CORRELATION DATA 

Geological Age 

Quaternary 

Geological Source 

Sappa Formation 

Material Similar To 

Material reported on SHC Form 619 

#76-10 

Specific Gravity (Sat.) 

(Dry) 

Los Angeles Wear 

Absorption 

Soundness 

Wt. Co.Fl. 

Str. Ratio 

Remarks 

Gradation data for holes 2 and 8 represent the finest and coarsest material that has been sampled at this site. Site location on Plate IV 

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+48 Qal

Site No. 1 Date February, 1967

Material Sand & Gravel County Pratt

Location NE ¼ NE ¼ Sec. 34 Twp. 27S Range 12W

Owner Ethel Barker 208 S. Pine Pratt, Kansas

Nature of Deposit Wet Accessibility Good

Status of Site Open site; sampled

EXPLOSION DATA

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CORRELATION DATA

Geological Age Quaternary
Geological Source Alluvium
Material Similar To Material reported on SHC Form 633
Lab. No. 65069
Specific Gravity (Sat.) 2.61 (Dry)
Los Angeles Wear 30.2 (D)
Absorption Soundness 0.99
Wt. Co.Ft. Str. Ratio 116.7 1 day 1.76, 3 day 3.02
Remarks Site location on Plate IV

Scale: 1" = ¼ Mile
### MATERIAL SURVEY REPORT

**SG+49 Qsg1**

**Site No.**

February, 1967

Sand & Gravel  County  Pratt

**Material**  **Location**  **Sec.**  **Twp.**  **Range**

NE 4  18  27S  12W

**Owner**  **Name**  **RFD.**  **Pratt, Kansas**  **Address**

Gustave Seidel  Dry  Good

**Nature of Deposit**  **Accessibility**

Open site; sampled

---

### EXPLORATION DATA

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### CORRELATION DATA

**Geological Age**

Quaternary

**Geological Source**

Grand Island Formation

**Material Similar To**

Material reported on SHC Form

**#76-22**

**Specific Gravity (Sat.)** 2.60  (Dry)

**Los Angeles Wear** 31.3

**Absorption** 0.99

**Wt. Cu. Ft.** 104.3  **Str. Ratio** 1 day 1.11, 3 day 1.13

**Site location on Plate IV**

---

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

VA-50
Qsg1

Site No.  Qsg1

Date  February, 1967

Volcanic Ash
Material

County  Pratt

Location  NE\(^1\) SW\(^4\)
Sec.  22
Two.  27S
Range  12W

Galen Barker
Owner

RFD. 1  Pratt, Kansas

Dry
Nature of Deposit

Poor
Accessibility

Open site; sampled
Status of Site

EXPLORATION DATA

<table>
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<th>Depth of Overburden</th>
<th>Percent Retained</th>
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CORRELATION DATA

Quaternary
Geological Age

Sappa Formation
Geological Source

Material reported on SHC Form 619 #76-12.
Material similar to
Lab. No. 49524 on form 623.

Specific Gravity (Sat.)  2.38  (Dry)

Los Angeles Wear

Absorption

Soundness

60.4
M. Co.Ft.

Str. Ratio

Site location on Plate IV
Remarks

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG-51  
Qsql  
February, 1967

Site No.  
Date  

Sand & Gravel  
County  Pratt

Material  
County  Pratt

Location  
Sec.  27S  12W

Galen Barker  
RFD. 1  Pratt, Kansas

Owner  
Address  

Nature of Deposit  
Accessibility  Fair

Status of Site  
Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  
Quaternary

Geological Source  
Grand Island Formation

Material Similar To  
Material reported on SHC Form 619

#76-3

Specific Gravity (Sat.)  
2.57  (Dry)

Los Angeles Wear  
35.6  (D)

Absorption  
0.97  

Wt. CO.FT.  
103.8  
Str. Ratio  1 day 1.12, 3 day 1.18

Remarks  
Gradation data for holes 3 & 31 represent the coarsest and finest material sampled at this site. Site location on Plate IV.
MATERIAL SURVEY REPORT

SG+52
Qsg1

Site No.    Date       February, 1967
Sand & Gravel County Pratt
Material     Location     Sec. 23        Top. 29S  Range 15W
Location     Santa Fe Land & Imp. Co. See Remarks
Owner           Nature of Deposit     Dry           Accessibility Poor
Status of Site Open site; sampled

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age    Quaternary
Geological Source Grand Island Formation
Material Similar To Material reported on SHC Form 619 #76-14.

Lab. No. 62305
Specific Gravity (Sat.) 2.56 (Dry)
Los Angeles Wear 37.0 (C)
Absorption Soundness 0.96
Wt. Co.Fr. 110.8 Str. Ratio 1 day 1.28, 3 day 1.28
Site location on Plate V. Gradation data for holes
17 & 5 represent the finest and coarsest material that
has been sampled at this site.
Remarks Room 1203,900 Polk St., Amarillo, Texas

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+53
Qsg1

Site No. Qsg1 Date February, 1967
Material Sand & Gravel County Pratt
Location SE¼ Sec. 15 Twp. 29S Range 15W
Owner Blanche V. Hogard 507 S. Mound Pratt, Kansas
Name Dry Address
Nature of Deposit Open site; sampled
Accessibility Good
Status of Site

EXPLORATION DATA

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<th>8</th>
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<th>100</th>
<th>Wash</th>
<th>G.F.</th>
<th>L.L.</th>
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CORRELATION DATA

Geological Age Quaternary
Geological Source Grand Island Formation
Material Similar To Material reported on SHC Form 619
No. 76-30

Specific Gravity (Sat.) 2.62
(Dry)

Los Angeles Wear 25.8 (D)

Absorption 0.50

Soundness 0.98

Wt. Cu.Ft. 112.7

Str. Ratio 1 day 1.45, 3 day 1.33

Remarks Site location on Plate V. Gradation data for holes 1 & 3 represent the finest and coarsest material that has been sampled at this site.
SG+54
Qsgi

Site No. Date

Sand & Gravel County Pratt

Location Sec. 16 Twp. 29S Range 15W

Owner Name
Emma Perdue .609 Curtis Pratt, Kansas

Nature of Deposit Accessibility
Dry Fair

Status of Site Open site; sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Over-Burden</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To Material reported on SHC Form 619 #76-4

Lab. No. 81799

Specific Gravity (Sat.) 2.60 (Dry)

Los Angeles Wear 33.7

Absorption Soundness 0.99

Wt. Cu.Ft. 110.8 1 day 1.35, 3 day 1.39

Remarks Site location on Plate V. Gradation data for holes 2 & 5 represent the finest and coarsest material that has been sampled at this site.

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+55
Qsql

Site No. Date
Sand & Gravel February, 1967
County Pratt
Location

Fred R. Cox
Haviland, Kansas

Nature of Deposit
Dry
Accessibility Good

Status of Site
Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To
Material reported on SHC Form 619 #76-9.
Lab. No. 62306

Specific Gravity (Sat.) 2.62 (Dry)

Los Angeles Wear 27.4

Absorption
118.9

Soundness
1 day 1.67, 3 day 1.51

Site location on Plate V. Gradation data for holes 1 & 21 represent the finest and coarsest material that has been sampled at this site.
MATERIAL SURVEY REPORT

SG+56
Qsgi

Site No. Date

February, 1967

Material

Sand & Gravel

County

Pratt

Location

Sec. 27

Twp. 29S

Range 15W

Owner

Glen L. Hogard

Sun City, Kansas

Nature of Deposit

Dry

Accessibility

Good

Status of Site

Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age

Quaternary

Geological Source

Grand Island Formation

Material Similar To

Material reported on SHC Form 619. #76-5

Lab. No. 81307

Specific Gravity (Sat.)

2.60

(Dry)

Los Angeles Wear

27.6

Absorption

Soundness

0.99

Wt. Cu.Ft. Str. Ratio

116.2 1 day 1.32, 3 day 1.18

Remarks

Site location on Plate V. Gradation data for holes 1 & 12 represent the finest and coarsest material that has been sampled at this site.
SG+57
Qsgi

Sand & Gravel
County
Pratt

Location
Sec. 31
Twp. 29S
Range 13W

Merle E. Lambert
Coats, Kansas

Dry
Good

Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To
Material reported on SHC Form 619 #76-31.

Lab. No. 10617

Specific Gravity (Sat.)
2.60

Los Angeles Wear
35.5

Absorption
.98

Soundness

2 Str. Ratio
1 day 1.04, 3 day 1.10

Remarks
Site location on Plate V. Gradation data for holes 1 & 7 represent the finest and coarsest material that has been sampled at this site.

Scale: 1" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+58
Qsgr

Site No. Date
February, 1967

Material County
Sand & Gravel Pratt

Location
Sec. 10
Twp. 29S
Range 13W

Owner Address
Alice Frantz 420 N. Pine Pratt, Kansas

Nature of Deposit Accessibility
Dry Good

Status of Site
Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To
Material reported on SHC Form 633

Lab. No. 54740

Specific Gravity (Sat.) 2.60  (Dry)

Los Angeles Wear 28.2 (D)

Absorption 0.98

Wt. Cu.Ft. 108.4  Str. Ratio 1 day 1.46, 3 day 1.35

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+59
Qal

Site No. ____________________________ Date ____________________________

Sand & Gravel County ____________________________

Pratt

Location NE ¼ Sec. 22 Twp. 29S Range 13W

Owner Leslie H. Pitzer etux. RFD. 2 Pratt, Kansas

Nature of Deposit Name ____________________________ Address ____________________________

Dry Accessibility Poor

Status of Site Open site; sampled

EXPLORATION DATA

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<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Alluvium

Material Similar To Material reported on SHC Form 619 #76-18.

Lab. No. 62310

Specific Gravity (Sat.) 2.59 (Dry)

Los Angeles Wear 33.2 (C)

Absorption 0.99

Mt. Ca. Ft. 107.0 Str. Ratio 1 day 1.38, 3 day 1.42

Remarks Site location on Plate VI. Gradation data for holes 1 & 3 represents the finest and coarsest material that has been sampled at this site.

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG-60  
Qsg1  

Site No.  Date  February, 1967

Sand & Gravel  County  Pratt

Material  Location  NW  

Pratt  29S  Range  13W

Leslie H. Pitzer etux.  RFD. 2  Pratt, Kansas

Owner  Name  Address

Dry  Accessibility  Fair

Nature of Deposit  Status of Site  Open site; sampled

EXPLORATION DATA

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<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash 200</th>
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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To  Material reported on SHC Form 619 #76-1.

Lab. No. 62309

Specific Gravity (Sat.)  2.61 (Dry)

Los Angeles Wear  33.2 (C)

Absorption  0.97

Soundness  1 day 1.64, 3 day 1.48

Site location on Plate VI. Gradation data for holes 1 & 5 represent the finest and coarsest material that has been sampled at this site.
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+61
Qal

Site No. __________ Date __________
Sand & Gravel County Pratt
Material Location Sec. 27 Twp. 28S Range 11W
County Pratt
Owner Ivan O. Rose 613 N. Ash, Wichita, Kansas
Nature of Deposit Dry
Accessibility Good
Status of Site Open site; sampled

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Over-Burden</th>
<th>Percent Retained</th>
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<tbody>
<tr>
<td></td>
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</tr>
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<td></td>
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<td>1</td>
<td>4</td>
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</tbody>
</table>

CORRELATION DATA

Geological Age Quaternary
Geological Source Alluvium
Material Similar To Material reported on SHC Form 619 #76-2.
Test data from SHC Form 633. Lab. No. 44512
Specific Gravity (Sat.) 2.62 (Dry)
Los Angeles Wear 30.0 (D)
Absorption 0.97
M. Cu.Ft. 116.0 Str. Ratio 1 day 1.34, 3 day 1.22
Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
APPENDIX III

The following site data forms are designated as "prospective sites; sampled." The sites described herein are depicted on the county materials maps as a "▼".

LEGEND

--- Fence
======== Trail or lane
---------- Railroad
---------- Road
---------- Hedge or trees
---------- Major streams
---------- Intermittent streams
---------- Pond or lake

Farm site
Open materials site
Prospective materials site
Center of section
Cemetery
School
Church
Town or city
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

FS-62
Qds
Date February, 1967

Site No. _______ Material Fine Sand
County Pratt
Location NW\(\frac{1}{4}\) Sec. 28 Twp. 26S Range 11W
Owner Ethie H. Koenemann
Nature of Deposit Dry
Accessibility Good
Status of Site Prospective site; sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Depth of Overburden</th>
<th>Depth of Material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent Retained</td>
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</tr>
<tr>
<td>Average</td>
<td>0 0 0 0 0 0 0 0</td>
<td>0 3 22 57 72 28</td>
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<td>2</td>
<td>0 0 0 0 0 0 0 0</td>
<td>0 3 24 61 77 23</td>
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<tr>
<td>3</td>
<td>0 0 0 0 0 0 0 0</td>
<td>0 2 18 53 68 32</td>
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</table>

CORRELATION DATA

Geological Age Quaternary
Geological Source Dune Sand
Material Similar To Material reported on SHC Form 619 #76-13

Specific Gravity (Sat.) (Dry)
Los Angeles Wear
Absorption Soundness
Wt. Co. Ft. Str. Ratio

Remarks Gradation data for holes 2 & 3 represent the finest and coarsest material that has been sampled at this site. Site location on Plate II

Scale: 1" = \(\frac{1}{4}\) Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

VA-63
Qsgi

Site No. ___________ Date ___________

February, 1967

Material Volcanic Ash

County Pratt

Location NE 4 Sec. 25

Twp. 27S Range 14W

Owner J. S. Barnes est. 108 E. 3rd. Pratt, Kansas

Nature of Deposit Dry

Accessibility Good

Status of Site Prospective site; sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0/1/2/4/8/16/30/50/100/200</td>
<td>G.F.</td>
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<td></td>
<td>0 0 0 0 1 2 4 9 39</td>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Sappa Formation

Material Similar To Material reported on SHC Form 619 #76-11.
Lab. No. 49523.

Specific Gravity (Sat.) 2.41 (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Co.Ft. 49.1

Str. Ratio

Remarks Site location on Plate III

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

FS-64
Qds

Site No. Date February, 1967

Material Fine Sand

County Pratt

Location NE ¼ NE ¼ Sec. 36 Twp. 27S Range 15W

Owner P. L. Miller Box 987 Pratt, Kansas

Nature of Deposit Dry

Accessibility Good

Status of Site Prospective site; sampled

FS-64
Qds

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.T.</th>
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<td></td>
<td></td>
<td>1/2 3/4 3/8 4 8 16 30 50 100 200</td>
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<td>2 0 0 0 0 0 0 2 24 61 76 3</td>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Dune Sand

Material Similar To Material reported on SHC Form 619 #76-26.

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Mt. Cu.Ft. Str. Ratio

Remarks This material was tested for use as selective embankment. Site location on Plate III.
MATERIAL SURVEY REPORT

FS-65
Qds

February, 1967

Site No. Date

Fine Sand County

Pratt

Location Sec. Twp. Range

SE1/4 NW1/4 4 28S 15W

Owner

Lena Betchart Cullison, Kansas

Nature of Deposit

Dry

Accessibility

Poor

Status of Site

Prospective site; sampled

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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CORRELATION DATA

Geological Age

Quaternary

Geological Source

Dune Sand

Material Similar To

Material reported on SHC Form 619 #76-27

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu. Ft. Str. Ratio

Remarks

This material was tested for use as selective embankment. Site location on Plate III

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

FS-66
Qds

Site No.   Date
Fine Sand    February, 1967
Material    County
Pratt
Location
Sec. 6    Twp. 28S    Range 15W
SW\frac{1}{4} NW\frac{1}{2}
Owner
E. J. Starkey    RFD. 3 Haviland, Kansas
Dry    Poor
Nature of Deposit    Accessibility
Status of Site
Prospective site; sampled

EXPLORATION DATA

<table>
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<tr>
<th>Test Hole</th>
<th>Depth of Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age
Quaternary
Geological Source
Dune Sand
Material Similar To
Material reported on SHC Form 619 #76-28

Specific Gravity (Sat.)

Los Angeles Wear

Absorption

Soundness

Mt. Co.Ft.

Str. Ratio

Remarks
This material was tested for use as selective embankment. Site location on Plate III

Scale: 1" = \frac{1}{4} Mile
MATERIAL SURVEY REPORT

State Highway Commission of Kansas

SG+67
Qal

Site No. 70451 Date February, 1967

Material Sand & Gravel County Pratt

Location NE ½ Sec. 33 Twp. 27S Range 12W

Owner Rient Bergner 204 W. Blaine Pratt, Kansas

Nature of Deposit Wet

Accessibility Poor

Status of Site Prospective site; sampled

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Over-Burden</th>
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<th>Percent Retained</th>
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<th>L.L.</th>
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<td>3/4</td>
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<td>11</td>
<td>2</td>
<td>7</td>
<td>9</td>
<td>13</td>
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</table>

CORRELATION DATA

Geological Age Quaternary

Geological Source Alluvium

Material Similar To Material reported on SHC Form 619 #76-15

Specific Gravity (Sat.) 2.59 (Dry)

Los Angeles Wear 27.0

Absorption Soundness 0.98

Wt. Cu.Ft. 120.7 Str. Ratio 1 day 1.49, 3 day 1.36

Remarks Gradation data for holes 1 & 4 represent the coarsest and finest material that has been sampled at this site. Site location on Plate IV
### State Highway Commission of Kansas

**Material Survey Report**

**SG+68 Qs6i**

**Site No.**

**Date** February, 1967

**Land Use** Sand & Gravel

**County** Pratt

**Location** SW 1/4 SE 1/4 Sec. 29 Twp. 28S Range 11W

**Owner** Duane E. Bush et ux. Isabel, Kansas

**Nature of Deposit** Dry

**Accessibility** Poor

**Status of Site** Prospective site; sampled

#### Exploration Data

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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<tr>
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#### Correlation Data

**Geological Age** Quaternary

**Geological Source** Grand Island Formation

**Material Similar To** Material reported on SHC Form 619 #76-23

**Specific Gravity (Sat.)** (Dry)

**Los Angeles Wear**

**Absorption**

**Mt. Co. Ft.**

**Str. Ratio**

**Remarks** Site location on Plate VI

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

FS-69

Qds

Site No. ___________________ Date ___________________

Fine Sand

County

Pratt

Location

SE1/4 NE1/4

Sec. 18

Twp. 29 S

Range 11 W

Jennie E. Blackwelder et al.

Isabel, Kansas

Owner

Nature of Deposit

Dry

Accessibility

Fair

Status of Site

Prospective site; sampled

EXPLORATION DATA

<table>
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<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash</th>
<th>L.</th>
<th>P. I.</th>
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<tr>
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<td>3</td>
<td>4</td>
<td>5</td>
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<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
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<td>5</td>
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CORRELATION DATA

Geological Age

Quaternary

Geological Source

Dune Sand

Material Similar To

Material reported on SHC Form 619 #76-25

Specific Gravity (Sat.)

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<td>Los Angeles Wear</td>
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<tr>
<td>Absorption</td>
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</tr>
<tr>
<td>Soundness</td>
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</tr>
<tr>
<td>Wt. Co. Pt.</td>
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</tr>
<tr>
<td>Shr. Ratio</td>
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</table>

Remarks

This material was tested for filler material.

Site location on Plate VI

Scale: 1" = 1/4 Mile
APPENDIX IV

The following site data forms are designated as "prospective sites; not sampled." The sites described herein are depicted on the county materials maps as a "●".

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<td>Fence</td>
</tr>
<tr>
<td>=========</td>
<td>Trail or lane</td>
</tr>
<tr>
<td>===========</td>
<td>Railroad</td>
</tr>
<tr>
<td>————</td>
<td>Road</td>
</tr>
<tr>
<td>————</td>
<td>Hedge or trees</td>
</tr>
<tr>
<td>————</td>
<td>Major streams</td>
</tr>
<tr>
<td>————</td>
<td>Intermittent streams</td>
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<td>Pond or lake</td>
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<td>□</td>
<td>Farm site</td>
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<td>Open materials site</td>
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<td>Prospective materials site</td>
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<td>○</td>
<td>Center of section</td>
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<td>Cemetery</td>
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<td>1</td>
<td>School</td>
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<td>⊦</td>
<td>Church</td>
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<tr>
<td>□</td>
<td>Town or city</td>
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MATERIAL SURVEY REPORT

SG+70
Qsg1

Site No. Date February, 1967

Sand & Gravel County Pratt

Material Location Sec. 9 27S 12W

Location Twp. Range

Owner Jacob Dietz & Peoples Bank Pratt, Kansas

Nature of Deposit Name Dry Address Pratt, Kansas

Accessibility Good

Status of Site Prospective site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Nat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate II

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+71
QsgI

Date: February, 1967

Site No. QsgI
Material: Sand & Gravel
County: Pratt
Location: NW1/4 SW1/4 Sec. 9 Twp. 28S Range 13W
Owner: Pearl Bishop
Address: 103 S. Oak Pratt, Kansas
Nature of Deposit: Dry
Accessibility: Good
Status of Site: Prospective site; not sampled

EXPLORATION DATA

<table>
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<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained 1/4</th>
<th>3/8</th>
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<th>3/4</th>
<th>1</th>
<th>8</th>
<th>16</th>
<th>30</th>
<th>50</th>
<th>% 100</th>
<th>Wash</th>
<th>200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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</thead>
</table>

CORRELATION DATA

Geological Age: Quaternary
Geological Source: Grand Island Formation
Material Similar To:
Specific Gravity (Stat.): (Dry)
Los Angeles Wear:
Absorption:
Soundness:
Wt. Cu.Ft.:
Str. Ratio:
Remarks:

Site location on Plate III

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+72  Qsgi  Date  February, 1967
Site No.  Qsgi

Sand & Gravel  County  Pratt
Material  Location  NE 1/4
Sec.  1  Twp.  28S  Range  11W

Owner  F. F. Allbritton, Jr., et al.  Cunningham, Kansas
Name  Address  Good
Nature of Deposit  Dry
Accessibility  Prospective site; not sampled
Status of Site

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
<th>Wash</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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CORRELATION DATA

Geological Age  Quaternary
Geological Source  Grand Island Formation
Material Similar To
Specific Gravity (Sat.)  (Dry)
Los Angeles Wear
Absorption
Wt. Cu.Ft.
Str. Ratio
Remarks  Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+73  Qsgr
Site No. Date February, 1967

Sand & Gravel County Pratt

Location Sec. 2 Twp. 28S Range 11W

Paul S. Fitzsimmons Cunningham, Kansas

Nature of Deposit Dry  Accessibility Good

Status of Site Prospective site; not sampled

EXPLOSION DATA

<table>
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<th>Material at bottom of hole</th>
<th>Depth of overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash B.F.</th>
<th>L.L.</th>
<th>PI</th>
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</table>

CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Notes Site location on Plate IV

Scale: 1" = ½ Mile
MATERIAL SURVEY REPORT

SG+74
Qsg1

Site No.   Date
Sand & Gravel   February, 1967
Pratt

Material   County
NE\(\frac{1}{2}\) NE\(\frac{1}{2}\)
Sec. 22   Twp. 27S   Range 12W

Owner
Briant Hardesty etux. 1001 Champa, Pratt, Kansas

Nature of Deposit
Dry
Accessibility
Fair

Status of Site
Prospective site; not sampled

EXPLORATION DATA

<table>
<thead>
<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
<th>Wash 200</th>
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<th>P.I.</th>
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CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Soundness

Mt. Co.Ft.

Str. Ratio

Site location on Plate IV

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+75
Qsg1

Site No. __________ Date __________
February, 1966

Material __________ County __________
Sand & Gravel Pratt

Location __________ Sec. __________ Twp. __________ Range __________
SW1/4 23 27S 12W

Owner __________ Case __________
J. S. Barnes est. 108 E. 3rd, Pratt, Kansas

Nature of Deposit __________ Accessibility __________
Dry Good

Status of Site __________
Prospective site; not sampled

EXPLORATION DATA

<table>
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<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Material</th>
<th>Depth % Retained</th>
<th>Wash 200</th>
<th>G.F.</th>
<th>L.L.</th>
<th>P.I.</th>
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CORRELATION DATA

Geological Age __________
Quaternary

Geological Source __________
Grand Island Formation

Material Similar To __________

Specific Gravity (Sat.) __________ (Dry)

Los Angeles Wear __________

Absorption __________ Soundness __________

Mt. Co. Ft. __________ Str. Ratio __________

Remarks __________
Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+76
Qsg1

Site No. Date

February, 1967

Material Location

Sand & Gravel Sec. 29

County Pratt

State Highway
Commission of Kansas

Location

Ernest Swisher etux. Greensburg, Kansas

Owner

Dry

Fair

Nature of Deposit

Prospective site; not sampled

Status of Site

EXPLORATION DATA

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<th>Test Hole</th>
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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age

Quaternary

Geological Source

Grand Island Formation

Material Similar To

Specific Gravity (Sat.)

(Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu. Ft.

Str. Ratio

Site location on Plate IV

Remarks

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+78
Qsg1

Site No. Date
Sand & Gravel
February, 1967
County
Pratt

Material

Location Sec. 4
Twp. 28S
Range 12W

Loren Barker
Name
RFD, 1
Pratt, Kansas
Address

Nature of Deposit
Dry

Accessability
Fair

Status of Site
Prospective site; not sampled

EXPLORATION DATA

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<th>Material at Bottom of Hole</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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<td>1/2 3/4 3/8 4 8 16 30 50 100 Wash 200 G.F. L.L. P.I.</td>
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|           |                           |                   |

CORRELATION DATA

Geological Age
Quaternary

Geological Source
Grand Island Formation

Material Similar To

Specific Gravity (Sat.)
(Dry)

Los Angeles Wear

Absorption

Soundness

M.E. Co.Fr.

Str. Ratio

Remarks
Site location on Plate IV

Scale: 1" = ¼ Mile
**STATE HIGHWAY COMMISSION OF KANSAS**

**MATERIAL SURVEY REPORT**

**SG-79**  
**Qsg1**

*Site No.*  
*Date:* February, 1967

**Material:** Sand & Gravel  
**County:** Pratt

**Location:**  
Sec. 26  
Twp. 28S  
Range 14W

**Owner:** Blanche Hatfield etal.  
**RFD:** 2  
**Pratt, Kansas**

*Nature of Deposit:* Dry  
*Accessibility:* Good

*Status of Site:* Prospective site; not sampled

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**EXPLORATION DATA**

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<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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**CORRELATION DATA**

**Geological Age:** Quaternary

**Geological Source:** Grand Island Formation

**Material Similar To:**

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**Specific Gravity (Sat.):** (Dry)

**Los Angeles Wear:**

**Absorption:**

**Wt. Cu.Ft.:**

**Str. Ratio:**

**Remarks:** Site location on Plate V

---

*Scale:* 1" = ½ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+80 Qsgi  Date    February, 1967
Site No.  Pratt
Material Sand & Gravel  County
Location SW¼ SW¼  Sec. 25  29S  Range 14W
Lottie A. Smith  Name  616 N. Prospect Liberal, Kansas
Owner  Accessibility Good
Nature of Deposit  Dry  Status of Site Prospective site; not sampled

EXPLORATION DATA

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<th>Depth of Overburden</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary
Geological Source Grand Island Formation
Material Similar To

Specific Gravity (Sat.) (Dry)
Los Angeles Wear
Absorption Soundness
Wt. Cu.Ft. Str. Ratio
Remarks Site location on Plate V

Scale: 1" = ¼ Mile
Material Survey Report

SG+81
Qsq1

Site No.  Qsq1  Date  February, 1967  Pratt

Material  Sand & Gravel  County  Pratt

Location  SW¼  Sec.  23  Top.  29S  Range  15W

Owner  Robert S. Howell  Coats, Kansas

Nature of Deposit  Dry  Accessibility  Good

Status of Site  Prospective site; not sampled

Exploration Data

<table>
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<tr>
<th>Test Hole</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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Correlation Data

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Mt. Cu.Ft.  Str. Ratio

Remarks  Site location on Plate V

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+83
Qsg1

Site No.  Date  February, 1967

Sand & Gravel  County  Pratt

Material  Location  SW\(\frac{1}{4}\)  Sec.  4  Twp.  29S  Range  15W

Juanita O. Bolser  Haviland, Kansas

Owner  Name  Dry  Accessibility  Fair

Nature of Deposit  Status of Site  Prospective site, not sampled

EXPLORATION DATA

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<th>Percent Retained</th>
<th>Wash 200</th>
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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Cu. Ft.  Str. Ratio

Remarks  Site location on Plate V

Scale: 1" = ¼ Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+84
Qsg1

Site No.  Date  February, 1967
Qsg1  Pratt

Material  County  Pratt
Sand & Gravel  Pratt

Location  Sec.  30  Twp.  29S  Range  13W

Owner  Ora Lambert  910 N. Champa  Pratt, Kansas

Nature of Deposit  Good
Dry  Accessibility  Good

Status of Site  Prospective site; not sampled

EXPLORATION DATA

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<th>Material at Base of Hole</th>
<th>Depth of Overburden</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Grand Island Formation

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu.Ft.

Str. Ratio

Remarks  Site location on Plate V

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+85
Qsgi
Date February, 1967

Site No.

Sand & Gravel

County Pratt

Location NW 1/4 Sec. 22 Twp. 29S Range 13W

Leslie H. Pitzer etux. RFD. 2 Pratt, Kansas

Nature of Deposit Dry

Accessibility Poor

Status of Site Prospective site; not sampled

EXPLORATION DATA

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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = 1/4 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+86 Qsg1 February, 1967

Site No. Date

Sand & Gravel County Pratt

Material County

Location Sec. 27 Twp. 29S Range 13W

Owner D. H. Thompson, Jr., etal. Box 470 Pratt, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; not sampled

EXPLORATION DATA

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<th>Depth of Overburden</th>
<th>Depth of Material</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Cu. Ft. Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
SG-87
Qal

State No. Material Location

Sand & Gravel Sec. 32

County Pratt Twp. 28 S

Owner Duane D. Bush

Nature of Deposit Dry

Isabel, Kansas

Status of Site Prospective site; not sampled

Exploration Data

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Correlation Data

Geological Age Quaternary

Geological Source Alluvium

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu. ft. Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile
GLOSSARY OF SIGNIFICANT TERMS

Absorption: Determined by tests performed in accordance with A.A.S.H.O. (American Association of State Highway Officials) designation T 85.

Aggrade: To raise the grade or level of a river valley or stream bed by depositing particles of clay, silt, sand, and gravel.

Alluvium: A deposit of clay, silt, sand, or gravel laid down by flowing water.

Aquifer: Water bearing geologic unit.

Arkosic gravel: Gravel composed of mineral fragments derived from weathered granite.

Caliche: Term used in this report for secondary accumulation of calcium carbonate in unconsolidated deposits.

Chert: A dull, flint-like, siliceous rock.

Consolidated deposit: Deposit of limestone, shale, or sandstone. In Kansas, this term generally applies to rock older than Pliocene age.

Cross-bedding: Sedimentary deposits which show oblique layering extending diagonally across the individual beds.

Degrade: To lower the level of a river valley or stream by washing away particles of clay, silt, sand, and gravel.

Geologic period: A unit of geologic time, Mississippian, Pennsylvanian, and Permian are examples.

Geologic unit: This term is used in this report to denote: 1. a geologic formation, 2. a geologic member and 3. an unconsolidated deposit of Pleistocene age.

Glacial deposit: Deposits of clay, silt, sand, gravel, and boulders laid down by glaciers or glacial meltwater.

Gradation factor: The value obtained by adding the percentages of material retained on the 1 1/2", 3/4", 3/8", 4, 8, 16, 30, 50, and 100 sieves respectively and dividing the sum by 100.

Igneous rocks: Rocks produced under conditions involving great heat; as rocks crystallized from a molten material.

Landform: Feature on the land surface such as a terrace, sand dune, floodplain, etc.
Light type surfacing: A surface course constructed from aggregate which is not bound by water, cement, or bituminous material.

Liquid limit: Determined by tests performed in accordance with section Y1-18 of the State Highway Commission of Kansas Standard Specifications, 1966 edition.


Material source bed: A particular geologic unit, consolidated or unconsolidated, that provides material for construction purposes.

Matrix: The binding material such as that which bonds or encloses sand and gravel particles at their place of deposition.

Metamorphic rock: Rock which has been crystallized or otherwise altered by intense heat and pressure.

Open materials site: A pit or quarry which has produced or is producing material suitable for some phase of road construction.


Pleistocene Series: Deposits laid down during the Quaternary Period.


Specific gravity: Determined by tests performed in accordance with A.A.S.H.O. designation T 84 for sand and gravel and T 85 for crushed stone.

Stereoscopic vision: Vision through a stereoscope in which objects appear in three dimensions.

Stratigraphic position: Vertical location of a unit in the geologic column.

Terrace: A plain built up by the deposition of sediments by water.

Unconsolidated deposits: Deposits of clay, silt, sand, or gravel. These deposits may be laid down by wind or water action.
Wash (Material passing the No. 200 sieve) Determined by tests performed in accordance with A.A.S.H.O. designation T 11.

Weight per cubic foot: Determined by tests performed in accordance with A.A.S.H.O. designation T 19-45.


