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

Site No. | SG+1
---|---
Qgs | Qgs

Date: April, 1966

Material: Sand & Gravel

County: Kingman

Location: SW 1/4

Sec.: 3

Twp.: 27S

Range: 10W

Owner: Harold E. Crotts

Address: Turon, Kansas

Nature of Deposit: Dry

Accessibility: Good

Status of Site: Open 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>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

Mt. Cu./Tt.

Str. Ratio

Site location on Plate I

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

**SG+2**

**Qhf**

**Site No.**

**Date** April, 1966

**Material** Sand & Gravel

**County** Kingman

**Location** NW ¼ Sec. 10 Twp. 28S Range 8W

**Owner** Beulah Fluke Justice

**Penalosa, Kansas**

**Nature of Deposit** Dry

**Address**

**Accessibility** Fair

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

### EXPLORATION DATA

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### CORRELATION DATA

**Geological Age** Quaternary

**Geological Source** Holdrege & Fullerton Formations

**Material Similar To**

**Specific Gravity (Sat.)**

**(Dry)**

**Los Angeles Wear**

**Absorption**

**Soundness**

**Wt. Co.Ft.**

**Str. Ratio**

**Remarks** Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+3
Qal

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location SE ¼ Sec. 26 Twp. 27S Range 6W

Owner Homer O. Peterson Murdock, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

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<th>Wash</th>
<th>S.I.</th>
<th>L.L.</th>
<th>P.I.</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 II

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

MATERIAL SURVEY REPORT

SG+5
Qgs

Site No.  

Date  April, 1966  

Material  Sand & Gravel  

County  Kingman  

Location  SE1/4  

Sec. 28  

Twp. 28S  

Range 8W  

Owner  S. V. McWithey  

Penalosa, Kansas  

Nature of Deposit  Dry  

Accessibility  Fair  

Status of Site  Open site; not sampled  

EXPLANATION 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. Co.Ft.  

Str. Ratio  

Remarks  Site location on Plate III  

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

MATERIAL SURVEY REPORT

SG+6
Qhf

Site No.       Date   April, 1966
Nutrient Sand & Gravel        Kingman
County
Location        Sec. 25    Twp. 28S    Range 8W
Owner           W. P. Callahan    Penalosa, Kansas
Name
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  Holdrege & Fullerton Formations
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+7
Qhf

Site No. ___________________________ Date ___________________________

Material: Sand & Gravel County: Kingman

Location: NW 1/4 Sec. 17 Twp. 28S Range 9W

Owner: Rudolph B. Harbert 544 West C, Kingman, Kansas

Nature of Deposit: Dry Accessibility: Good

Status of Site: Open site, not sampled

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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Holdrege & Fullerton Formations

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" = 1/4 Mile
MATERIAL SURVEY REPORT

SG+8
Qgs

Site No. ________________________ Date April, 1966

Material Sand & Gravel County Kingman

Location SW 1/4 Sec. 13 Twp. 28S Range 10W

Owner Charles M. Ratcliff Cunningham, Kansas

Nature of Deposit Dry Accessibility Fair

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. Co.Ft. Str. Ratio

Site location on Plate III

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

MATERIAL SURVEY REPORT

SG-9
To

Site No. ___________________________ Date April, 1966

Material: Sand & Gravel County: Kingman

Location: SW\(\frac{1}{4}\) Sec. 3 Twp. 29S Range 5W

Owner: Alva Sowers Murdock, Kansas

Nature of Deposit: Dry Accessibility: Good

Status of Site: Open site; not sampled

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CORRELATION DATA

Geological Age: Tertiary

Geological Source: Ogallala Formation

Material Similar To: ________________________________

Spec. Gravity (Sat.) (Dry):

Los Angeles Wear:

Absorption Soundness

Wt. Co.Ft. Str. Ratio

Remarks: Site location on Plate IV

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

MATERIAL SURVEY REPORT

SG-10
To
Date April, 1966

Site No. ____________________________

Material Sand & Gravel
County Kingman
Location SE$rac{1}{4}$ Sec. 4 Twp. 29S Range 5W
Owner John Ross Bryant
Accessability Good
Nature of Deposit Dry
Status of Site Open site; not sampled

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CORRELATION DATA

Geological Age Tertiary
Geological Source Ogallala 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" = 1/4 Mile
**MATERIAL SURVEY REPORT**

**SITE NO.**

- **SG+11**
- **Qhf**

**DATE**

- **April, 1966**

**MATERIAL**

- **Sand & Gravel**

**COUNTY**

- **Kingman**

**LOCATION**

- **SE 1/4 Sec. 9**
- **Twp. 29S**
- **Range 5W**

**OWNER**

- **Roy C. Kinkaid, Norwich, 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 Material</th>
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### CORRELATION DATA

**Geological Age**

- **Quaternary**

**Geological Source**

- **Holdrege & Fullerton Formations**

**Material Similar To**

- **(Dry)**

**Specific Gravity (Sat.)**

- **(Dry)**

**Los Angeles Wear**

- **(Dry)**

**Absorption**

- **(Dry)**

**Wt. Cu. Ft.**

- **(Dry)**

**Str. Ratio**

- **(Dry)**

**Remarks**

- **Site location on Plate IV**

---

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

MATERIAL SURVEY REPORT

SG+12
Qhf

Site No. __________________ Date __________________

Sand & Gravel County Kingman

Location NE ¼ Sec. 29 Twp. 30S Range 9W

Owner Ray E. Cornelius Zenda, Kansas

Nature of Deposit Dry

Accessibility Fair

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

Geological Age Quaternary

Geological Source Holdrege & Fullerton Formations

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+13  Qgs  

April, 1966

Site No.  

Material  Sand & Gravel  
County  Kingman

Location  NE

Sec.  34  Top.  30S  Range  9W

Owner  W. F. Keimig  
Zenda, Kansas

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

Wt. Gt.Ft.  Str. Ratio

Remarks  Site location on Plate V

Scale: 1" = ¹/₂ Mile
# MATERIAL SURVEY REPORT

**SG+14 Qal**

**Site No.**

**Date** April, 1966

**Material** Fine Sand

**County** Kingman

**Location** SW 1/4 Sec. 9 Twp. 30S Range 8W

**Owner** Carl Evans 6023 Oneida Wichita 14, Kansas

**Nature of Deposit** Dry

**Accessibility** Good

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

## EXPLORATION DATA

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<th>Material at Bottom of Hole</th>
<th>Depth of Overburden</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

**Mt. Cu.Ft.** Str. Ratio

**Remarks** Site location on Plate V

---

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+15
Qgs

Site No. __________________________ Date ____________________

Sand & Gravel

County

Kingman

Location

SE 1/4

Sec. 5

Twp. 30S

Range 9W

Owner

Ellen McClellan

405 S. Walnut, Wichita, Kansas

Nature of Deposit

Dry

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

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+17 Qgs

Site No. __________________ Date __________________

Material: Sand & Gravel County: Kingman

Location: SW1/4 Sec. 11 Twp. 30S Range 10W

Owner: Laverne & Earl Westerman Address: Nashville, Kansas

Name: __________________ Accessiblity: Good

Nature of Deposit: Dry

Status of Site: Open site; not sampled

EXPLORATION DATA

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CORELATION 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 V

Scale: 1" = 1/2 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

FS+18
Qal

Site No. __________________________ Date _____________ April, 1966

Material __________________________ County ___________ Kingman

Location SW ¼ Sec. 10 Twp. 30S Range 8W

Owner ____________________________ Address __________________________

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 Alluvium

Material Similar To ____________________________

Specific Gravity (Stat.) ______________________ (Dry)

Los Angeles Wear ____________________________

Absorption ____________________________ Soundness

Mt. Co.Ft.____________ Str. Ratio

Site location on Plate V

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

MATERIAL SURVEY REPORT

SG+19
Qgs

Site No. __________________ Date __________________

Material Sand & Gravel County Kingman

Location SW 1/4 Sec. 32 Twp. 30S Range 8W

Owner A. R. Carrick R.R. 3, Harper, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLANATION 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

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate V

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

MATERIAL SURVEY REPORT

SG+20
Qgs

Date: April, 1966

Material: Sand & Gravel
County: Kingman

Location: NE ¼ Sec. 30 Twp. 29S Range 9W
Owner: Jack Leslie
Address: Zenda, Kansas

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

EXPLORATION DATA

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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 V

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

MATERIAL SURVEY REPORT

SG+21
Qgs

Site No. Date April, 1966

Sand & Gravel County Kingman

Material Location SW 1/4 Sec. 33 Twp. 29S Range 10W

Owner Owner name Gertrude Boyd 407 S. Pershing, Wichita, Kansas

Nature of Deposit Accessibility Dry Fair

Status of Site Open site; not sampled

EXPLORATION DATA

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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+22
Qhf

April, 1966

Sand & Gravel
Kingman

NW 1/4
Sec. 12
Twp. 30S
Range 5W

R. G. Skillen
Norwich, Kansas

Dry
Good

Open site; not sampled

EXPLORATION DATA

<table>
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CORRELATION DATA

Geological Age: Quaternary

Geological Source: Holdrege & Fullerton Formations

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
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

□ Farm site

○ Open materials site

○ Prospective materials site

○ Center of section

† Cemetery

1 School

† Church

(stripes) Town or city
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+23
Qgs

Site No. Sand & Gravel
Date April, 1966

Material Sand & Gravel
County Kingman

Location SE\text{\textdegree}4
Sec. 3
Twp. 27S
Range 10W

Owner T. A. Wingate
Varner, 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 Stockpile, SHC Form 619, No. 48-24

Specific Gravity (Sat.) 2.59 (Dry)

Los Angeles Wear 36.5

Absorption Soundness 0.98

Wt. Cu.Ft. 111.6 Str. Ratio

Remarks Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+24
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location NW1/4, SW1/4 Sec. 18 Twp. 27S Range 10W

Owner Silas Park Cunningham, Kansas

Nature of Deposit Accessiblility 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 SHC Form 619, No. 48-23

Specific Gravity (Sat.) 2.58 (Dry)

Los Angeles Wear 33.4

Absorption Soundness 0.99

Mt. Cu.Ft. 107.12 Str. Ratio

Remarks Site location on Plate I

Scale: 1" = ¼ Mile
SG+25
Qhf

Site No.  Date  April, 1966
Material  Sand & Gravel  County  Kingman
Location  NW  Sec. 7  Twp. 28S  Range 9W
Owner  A. M. Fleming  Box 439  Garden City, Kansas
Nature of Deposit  Dry  Accessibility  Good
Status of Site  Open site; sampled

EXPLORATION DATA

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<th>Material</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age  Quaternary
Geological Source  Holdrege & Fullerton Formations
Material Similar To  1 Quality Sample, Lab. No. 25624

Specific Gravity (Sat.)  2.62  (Dry)
Los Angeles Wear
Absorption
Wt. Cu.Ft.  112.0  Str. Ratio
Remarks  Also some material taken from south side of road. Site location on Plate I

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

**SG+26 Qhf**

**Site No.**

**Date** April, 1966

**Material** Sand & Gravel

**County** Kingman

**Location** Sec. 1

**Twp.** 28S

**Range** 8W

**Owner** Arthur T. Coleman

**Address** R.R. 1, Kingman, Kansas

**Nature of Deposit**

Wet

Accessibility Good

**Status of Site**

Open site; sampled

---

**EXPLORATION DATA**

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<th>Material at Bottom of Hole</th>
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**CORRELATION DATA**

**Geological Age** Quaternary

**Geological Source** Holdrege & Fullerton Formations

**Material Similar To** SHC Form 619, No. 48-5A

---

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

**Los Angeles Wear** 37.4

**Absorption** Soundness 0.99

**Wt. Cu.Ft.** 105.8

**Str. Ratio**

**Remarks** Site location on Plate 1

---

Scale: 1" = ½ Mile
MATERIAL SURVEY REPORT

SG+27
Qhf

Site No.            Date       April, 1966
Sand & Gravel       County    Kingman
Location            Sec.     1       Twp.  28S       Range  8W
Clifford Ray Wells, Jr.  R.R. 1, Kingman, Kansas
Nature of Deposit     Accessiblity  Good
Status of Site       Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age       Quaternary
Geological Source    Holdrege & Fullerton Formations
Material Similar To   1 Quality Sample, Lab No. 16923

Specific Gravity (Sat.)  2.60 (Dry)
Los Angeles Wear  36.0
Absorption Soundness  0.99
Wt. Cu/Ft.  112.9
Remarks  Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+28  
Qhf  

Site No.  

Date  April, 1966  

Sand & Gravel  

County  Kingman  

NE 4  

Sec. 28S  

Twp. 9  

Range 8W  

Owner  Mrs. Elmer Oak  

537 N. Main, Kingman, Kansas  

Address  

Dry  

Accessibility  Good  

Status of Site  Open site; sampled  

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary  

Geological Source  Holdrege & Fullerton Formations  

Material Similar To  1 Quality Sample, Lab. No. 36000  

Specific Gravity (Sat.)  2.56  

(Dry)  2.52  

Los Angeles Wear  34.9  

Absorption  Soundness  0.98  

Wt. Cu.Ft.  101.8  

Str. Ratio  

Remarks  Site location on Plate I  

Scale: 1" = 1/4 Mile
SG+29
Qhf

Site No. 

Date 

April, 1966

Material 

Sand & Gravel

County 

Kingman

Location 

NW 1/4 
Sec. 9 
Twp. 28S 
Range 8E

Owner 

Lorin Y. Bradshaw

Penalosa, 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 

Holdrege & Fullerton Formations

Material Similar To 

Average SHC Form 619, No. 48-18

Specific Gravity (Sat.) 

2.61 (Dry)

Los Angeles Wear 

30.6

Absorption 

0.98

Wt. Cu.Ft. 

111.8

Str. Ratio

Remarks 

Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+30 Qhf
Site No. Date April, 1966

Material Sand & Gravel County Kingman
Location NE ¼ Sec. 10 Twp. 28S Range 8W

Owner Malcolm Woodson Penalosa, 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 Holdrege & Fullerton Formations
Material Similar To SHC Form 619, No. 48-3

Specific Gravity (Sat.) 2.60 (Dry)
Los Angeles Wear 32.9
Absorption Soundness 0.98
Wt. Cu.Ft. 114.0 Str. Ratio
Remarks Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+31
To

Site No. ___________________ Date ___________________

Sand & Gravel County Kingman

Location Sec. 5 Twp. 28S Range 6W

Owner Nettie Orme Cheney, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Tertiary

Geological Source Ogallala Formation

Material Similar To SHC Form 619, No. 48-22

Specific Gravity (Sat.) 2.74 (Dry)

Los Angeles Wear 31.4

Absorption Soundness 0.92

Wt. Cu.Ft. 109.6 Str. Ratio

Remarks Contains abundance of sandstone and ironstone pebbles. Site location on Plate II

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+32
Qhf

Site No. Date April, 1966
Sand & Gravel County Kingman
Material

Location Sec. 6 Twp. 28S Range 7W
NW

Owner Morris R. Eller R.R. 3, Kingman, Kansas
Nature of Deposit name Wet address Accessibility Good

Status of Site Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary
Geological Source Holdrege & Fullerton Formations
Material Similar To SHC Form 619, No. 48-15

Specific Gravity (Sat.) 2.60 (Dry)
Los Angeles Wear 32.0
Absorption Soundness 0.97
Wt. Co. Ft. 107.3 Str. Ratio
Remarks Site location on Plate II

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+33  
Qal

Site No.  
Date April, 1966

Material  Sand & Gravel  County Kingman
Location  Sec. 4  Twp. 28S  Range 7W
Owner  Don Dye  501 East B, Kingman, Kansas
Nature of Deposit  Dry  Accessiblity Good
Status of Site  Open site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary
Geological Source  Alluvium
Material Similar To  1 Quality Sample, Lab. No. 6680

Specific Gravity (Sat.)  2.62  (Dry)
Los Angeles Wear  32.4
Absorption Soundness  0.96
Wt. Co.Ft.  103.4  Str. Ratio
Remarks  Site location on Plate II

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

MATERIAL SURVEY REPORT

**SG+34**

**Qhf**

**Site No.**

**Date** April, 1966

**Material** Sand & Gravel

**County** Kingman

**Location** NE**4**

Sec. 22

Twp. 28S

Range 8W

**Owner** Jeanette Tunney 640 N. Sugar, Kingman, Kansas

**Nature of Deposit** Dry

**Accessibility** Good

**Status of Site** Open site; sampled

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<th>Depth of Material</th>
<th>Depth of Overburden</th>
<th>Percent Retained 1/2</th>
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**EXPLORATION DATA**

**CORRELATION DATA**

**Geological Age** Quaternary

**Geological Source** Holdrege & Fullerton Formations

**Material Similar To** SHC Form 619, No. 48-13

**Specific Gravity (Sat.)** 2.57

**Dry**

**Los Angeles Wear** 36.6

**Absorption** Soundness 0.94

**Wt. Co.Ft.** 98.4

**Str. Ratio**

**Remarks** Site location on Plate III

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+35
Qhf

Date: April, 1966

Site No. _________________________ Sand & Gravel _________________________
Material: _______ County: __________
Location: NW½ Sec. 15 Twp. 29S Range 5W
Owner: Kathleen Van Gieson Norwich, Kansas
Nature of Deposit: Dry
Accessibility: Good
Status of Site: Open site; sampled

EXPLOREATION 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: Holdrege & Fullerton Formations
Material Similar To: 1 Quality Sample. Lab. No. 23532
Specific Gravity (Dry): 2.62
LA. Number: 34.0
Absorption: 0.97
Mt. Co. Ft.: 110.72

Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

VA+36
Qgs

Site No.  

Date  April, 1966

Material  Volcanic Ash

County  Kingman

Location  NE 4 Sec. 27 Twp. 30S Range 10W

Owner  Norman W. Mantey

Nashville, Kansas

Nature of Deposit  Dry

Accessibility  Fair

Status of Site  Open site; sampled

EXPLORATION DATA

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<th>Test Hole</th>
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<th>Depth of Overburden</th>
<th>Depth of Material</th>
<th>Percent Retained</th>
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<td>1/2 2/3 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  Sappa Formation

Material Similar To  SHC Form 619, No. 48-20

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Cu.Ft.  Str. Ratio

Remarks  This site may possibly be expanded to the north of the present pit. Site location on Plate V

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

MATERIAL SURVEY REPORT

SG+37
Qgs

Site No. ___________________________ Date ______April, 1966________

Material ____________________________________________________________________________
Sand & Gravel

County ____________________________ Kingman

Location ____________________________________________________________________________
NW¼ Sec. 5 Twp. 30S Range 10W

Owner ____________________________________________________________________________
W. H. Poppe
Cimarron, Kansas

Nature of Deposit _____________________________________________________________________
Dry

Accessibility _______________________________________________________________________
Good

Status of Site _______________________________________________________________________
Open site; sampled

EXPLORATION DATA

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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 __________________________________________________________________
Average, SHC Form 619, No. 48-21

Specific Gravity (Sat.) _____________________________________________________________________
2.58 (Dry)

Los Angeles Wear _______________________________________________________________________
30.5

Absorption ________________________________________________________________________
Soundness 0.96

Mt. Co.Ft. ________________________________________________________________________
101.26

Str. Ratio ________________________________________________________________________

Remarks _____________________________________________________________________________
Site location on Plate V

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

MATERIAL SURVEY REPORT

Site No.  
Date April, 1966

Material Sand & Gravel  
County Kingman

Location NE  
Sec.  14  
Twp.  30S  
Range  8W

Owner Frank K. Meek  
Address Thayer, 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>
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CORRELATION DATA

Geological Age Quaternary  
Geological Source Alluvium  
Material Similar To SHC Form 619, No. 48-1A

Specific Gravity (Sat.) 2.60 (Dry)  
Los Angeles Wear 31.1  
Absorption Soundness 0.97  
Mt. Cu. Ft. 109.9 Str. Ratio  

Remarks Site location on Plate V
**STATE HIGHWAY COMMISSION OF KANSAS**

**MATERIAL SURVEY REPORT**

**SG+39 Qal**

**Site No.**  
**Date** April, 1966

**Material** Sand & Gravel  
**County** Kingman

**Location** SE₁²  
**Sec.** 11  
**Twp.** 30S  
**Range** 8W

**Owner** L. A. Minor  
**Spivey, 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** Alluvium  
**Material Similar To** SHC Form 619, No. 48-16

**Specific Gravity (Sat.)** 2.60  
**Los Angeles Wear** 31.8

**Absorption** 0.98  
**Soundness**

**Wt. Cu. Ft.** 106.4  
**Str. Ratio**

**Remarks** Site location on Plate V

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

MATERIAL SURVEY REPORT

SG+40
Qal

Site No. Sand & Gravel

Date April, 1966 Kingman

Material

Location SE ¼ Sec. 32 Twp. 30S Range 10W

County

Owner John S. Cox 341 N. Broadway, Wichita, Kansas

Tow. Address

Type of Deposit Dry

Status of Site Open site; sampled

Accessibility Good

EXPLORATION DATA

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

Geological Age Quaternary

Geological Source Alluvium and Wisconsinan Terrace Deposits

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+41
Qal

Site No.  

Date  

April, 1966

Material  

Sand & Gravel

County  

Kingman

Location  

SE\(^{2}\)

Sec.  

10

Twp.  

30S

Range  

7W

Owner  

Bonnie Krehbiel

Rago, Kansas

Nature of Deposit  

Dry

Accessibility  

Fair

Status of Site  

Open site; sampled

EXPLORATION DATA

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Wash 200  

G.F.  

L.L.  

P.I.  

2.54

CORRELATION DATA

Geological Age  

Quaternary

Geological Source  

Alluvium & Wisconsinan Terrace Deposits

Material Similar To  

1 Quality Sample, Lab. No. 34770

Specific Gravity (Sat.)  

(Dry)

31.2

Los Angeles Wear  

Soundness

0.96

Absorption  

Wt. Co.Ft.  

106.6

Str. Ratio

Remarks  

Site location on Plate VI

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+42
Qal

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location NE\(\frac{1}{4}\) Sec. 14 Twp. 30S Range 7W

Owner See Remarks Below

Nature of Deposit Dry Accessibility Good

Status of Site Open site; sampled

EXPLORATION DATA

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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Alluvium & Wisconsin Terrace Deposits

Material Similar To SHC Form 619, No. 48-9A-R

Specific Gravity (Sat.) 2.57 (Dry)

Los Angeles Wear 34.6

Absorption Soundness 0.96

Wt. Cu.Ft. 107.54 Str. Ratio

Remarks Harry A. Sprague & C. W. Lambert, Box 348 McPherson, Kansas. Site location on Plate VI

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

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 " ● ".

LEGEND

--- Fence

==== Trail or lane

--------- Railroad

--- Road

--- Hedge or trees

\-\-\-\-\-\-\- Major streams

\-\-\-\-\-\-\- Intermittent streams

\-\-\-\-\-\-\- Pond or lake

[Diagram]

[Legend]:
- Farm site
- Open materials site
- Prospective materials site
- Center of section
- Cemetery
- School
- Church
- Town or city
MATERIAL SURVEY REPORT

SG+43 Qg's

Site No. Qg's Date April, 1966

Material Sand & Gravel County Kingman

Location SW 1/4, NW 1/4 Sec. 2 Twp. 27S Range 10W

Owner W. H. Vonnauf Harper, Kansas

Nature of Deposit Dry Address

Accessibility Poor

Status of Site Prospective 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

M.W. Cu.Ft. Str. Ratio

Remarks Site location on Plate I

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

**SG+44**

**Qgs**

**Site No.** __________________________  **Date** April, 1966

**Material** Sand & Gravel  **County** Kingman

**Location** SE 1/4  **Sec.** 5  **Twp.** 27S  **Range** 10W

**Owner** Floyd E. Cunningham  **Turon, Kansas**

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

**Status of Site** Prospective site; not sampled

---

### EXPLORATION DATA

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### CORRELATION DATA

**Geological Age** Quaternary

**Geological Source** Grand Island Formation

---

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

**Los Angeles Wear**

**Absorption**  **Soundness**

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

**Remarks** Site location on Plate I

---

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

**Site No.** SG+45  
**Qhf**  

**Site Date** April, 1966  

**Material** Sand & Gravel  
**County** Kingman  

**Location**  
NE1/4 Sec. 8  
**Twp.** 28S  
**Range** 9W  

**Owner** Edna M. Kjellion  
224 N. Freeborn, Marion, Kansas  

**Nature of Deposit** Dry  
**Accessibility** Poor  

**Status of Site** Prospective site; not sampled  

### EXPLORATION DATA

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### CORRELATION DATA

**Geological Age** Quaternary  
**Geological Source** Holdrege & Fullerton Formations  

**Material Similar To**  

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

**Los Angeles Wear**  

**Absorption**  
**Soundness**  

**Wt. Co.Ft.**  
**Str. Ratio**  

**Remarks** Site location on Plate I  

---

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

MATERIAL SURVEY REPORT

SG+46
Qhf

Site No. Date April, 1966

Sand & Gravel County Kingman

Location Sec. 34 Twp. 27S Range 9W

Owner State of Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Holdrege & Fullerton Formations

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+47
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location NW 1/4, SW 1/4 Sec. 3 Twp. 27S Range 9W

Owner R. M. Woodson Penalty, Kansas

Nature of Deposit Dry

Accessibility Good

Status of Site Prospective 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. Co.Ft. Str. Ratio

Remarks Site location on Plate I

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+48
Qgs

Site No. __________________ Date ____________

Sand & Gravel County ________________

Material __________________ Location ________________ Sec. 21

Kingman Top. ________________ Range ________________

Owner __________________ Name __________________

J. E. Brady Address __________________

Penalosa, Kansas __________________

Nature of Deposit ________________ Accessibility ________________

Dry Good __________________

Status of Site ________________

Prospective site; not sampled __________________

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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 I __________________

Remarks __________________
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+49
Qgs

Site No. ___________________ Date ________________

Material: Sand & Gravel, County: Kingman

Location: SW₁/₄ Sec. 21 Twp. 27S Range 9W

Owner: Benjamin & Charles Garibay R.R. 1, Kingman, Kansas

Nature of Deposit: Dry, Accessibility: Good

Status of Site: Prospective 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:

Wt. Cu.Ft. Str. Ratio:

Remarks: Site location on Plate I

Scale: 1" = ¼ Mile
Material Survey Report

SG+50
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location SW¼, NW¼ Sec. 28 Twp. 27S Range 9W

Owner S. V. McWithey Address Penalosa, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective 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 Abrasion

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate I

Scale: 1" = 1/4 Mile
SG+51
Qhf

State Highway Commission of Kansas

Material Survey Report

Site No. Date April, 1966

Material Sand & Gravel
County Kingman

Location SW¼ Sec. 33 Twp. 27S Range 9W

Owner State of Kansas

Nature of Deposit
Dry

Accessibility Good

Status of Site Prospective site; not sampled

Exploration Data

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Correlation Data

Geological Age Quaternary

Geological Source Holdrege & Fullerton Formations

Material Similar To

Specific Gravity (Sat.) — (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate I

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

**SG+52**  
**Qc**

**Site No.**  
**Date** April, 1966

**Material** Sand & Gravel  
**County** Kingman

**Location** SE  
**Sec.** 2  
**Twp.** 27S  
**Range** 6W

**Owner** Lloyd E. Shultz  
**Address** Pretty Prairie, Kansas

**Nature of Deposit** Wet  
**Accessibility** Fair

**Status of Site** Prospective site; not sampled

### EXPLORATION DATA

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### CORRELATION DATA

**Geological Age** Quaternary  
**Geological Source** Crete 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+53
Qhf

Site No.  

Date  April, 1966  

Material  Sand & Gravel  

County  Kingman  

Location  Sec. 2  Twp. 27S  Range 5W  

Owner  See Remarks Below  

Name  Dry  

Address  Good  

Nature of Deposit  

Accessibility  

Status of Site  Prospective site; not sampled  

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary  

Geological Source  Holdrege & Fullerton Formations  

Material Similar To  

Specific Gravity (Sat.)  (Dry)  

Los Angeles Wear  

Absorption  Soundness  

Wt. Cu.Ft.  Dr. Ratio  

Kenneth P. Wolf & John H. Widdowson  

Remarks  1004 West 13th, Wichita, Kansas  

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+54 Qhf
Site No. ___________________________ Date April, 1966

Material Sand & Gravel  County Kingman
Location NW  Sec. 13  Top. 28S  Range 10W
Owner George E. Rose Cunningham, Kansas
Nature of Deposit Dry  Accessibility Good
Status of Site Prospective 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>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary
Geological Source Holdrege & Fullerton Formations
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
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+55
Qgs

Site No.                    Date       April, 1966
Sand & Gravel               County      Kingman
Location SE 1/4             Sec.       27
Twp. 28S                    Range       10W
Mathias J. Wegerer          Cunningham, Kansas
Owner                        Name        Dry
Nature of Deposit            Address      Good
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 III

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

MATERIAL SURVEY REPORT

SG+56
Qhf

Site No.        Date        April, 1966
Sand & Gravel  County   Kingman
Material       Location    NE 1/4 Sec. 30 Twp. 28S Range 8W
Owner          Name        Elmo Antrim, R.R.1 Kingman, Kansas
Owner          Address     Name
Nature of Deposit Accessibility Good
Status of Site  Prospective site; not sampled

EXPLORATION DATA

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

Geological Age  Quaternary
Geological Source Holdrege & Fullerton Formations
Material Similar To
Specific Gravity (Sat.) (Dry)
Los Angeles Wear
Absorption
Wt. Cu.Ft.
Str. Ratio
Remarks
Site location on Plate III

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

MATERIAL SURVEY REPORT

SG+57
Qhf

Site No. ___________________________ Date April, 1966

Material ________ Sand & Gravel ________ County ________ Kingman ________

Location ________ Sec. ________ 16 ________ Twp. ________ 28S ________ Range ________ EW ________

Owner ________ Louis J. Keeling ________ R.R. 1, Kingman, Kansas ________

Nature of Deposit ________ Dry ________ Accessibility ________ Good ________

Status of Site ________ Prospective site; not sampled ________

EXPLORATION DATA

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<th>Test Hole</th>
<th>Material at bottom of hole</th>
<th>Depth of material</th>
<th>Percent Retained</th>
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CORRELATION DATA

Geological Age ________ Quaternary ________

Geological Source ________ Holdrege & Fullerton Formations ________

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" = 1/2 Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+58 Qhf

Site No.  Date  April, 1966

Sand & Gravel  County  Kingman

Location  Sec.  21  Twp.  28S  Range  8W

Owner  D. E. Krehbiel  Address  Pretty Prairie, Kansas

Nature of Deposit  Dry  Accessibility  Good

Status of Site  Prospective site; not sampled

EXPLORATION DATA

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<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  Holdrege & Fullerton Formations

Material Similar To

Specific Gravity (Sat.)  (Dry)

Los Angeles Wear

Absorption  Soundness

Wt. Co.Ft.  Str. Ratio

Remarks  Site location on Plate III

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

Site No. SG+59 Qhf
Date April, 1966

Material Sand & Gravel
County Kingman

Location SW_4
Sec. 15 Twp. 28S Range 8W

Owner See Remarks Below
Name
Address

Nature of Deposit
Dry
Accessibilty
Good

Status of Site
Prospective 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 Holdrege & Fullerton Formations

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

Soundness

Wt. Co.Ft.

Str. Ratio

Remarks Adda M. Jones by Wunsch & Wunsch
West B, Kingman, Kansas Site location on Plate III Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

State No. 108
Site No. Qgs
Date April, 1966
Material Sand & Gravel
County Kingman
Location NW1/4 Sec. 26 Twp. 28S Range 8W
Owner Otis R. Moore
Penpalosa, Kansas
Nature of Deposit Dry
Accessibility Good
Status of Site Prospective 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
Wt. Cu.ft. Str. Ratio
Remarks Site location on Plate III

Scale: 1" = ¼ Mile
VA-61
Qgs

Site No. Date April, 1966

Material Volcanic Ash County Kingman

Location SW 1/4, SE 1/4 Sec. 9 Twp. 29S Range 10W

Owner Mary M. Young Nashville, Kansas

Nature of Deposit Dry Address

Status of Site Prospective site; not sampled

EXPLORATION DATA

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<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 Sappa Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption

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+62
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location NE 4 Sec. 9 Twp. 29S Range 9W

Owner Mary Clouse Spivey, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; not sampled

EXPLORATION DATA

| Test Hole | Material at Bottom of Hole | Depth of Overburden | Percent Retained 1 1/2 3/8 1/4 3/32 1/16 1/32 1/64 30 50 100 Wash 200 O.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

Mt. Cu.Ft. Str. Ratio

Remarks Site location on Plate III

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

SG+63
Qgs

Site No. Date April, 1966

Sand & Gravel County Kingman

Location Sec. 9 Twp. 29S Range 9W

Owner Al G. & Anthony F. Rohman Spivey, Kansas

Nature of Deposit Address
Dry

Accessibility Good

Status of Site Prospective 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. Co. Ft. Str. Ratio

Remarks Site location on Plate III

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

MATERIAL SURVEY REPORT

SG+64

Site No. Qgs Date April, 1966

Material Sand & Gravel County Kingman

Location SE¼ Sec. 4 Twp. 29S Range 9W

Owner Pauline McKenna N. Sugar St. Kingman, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective 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

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate III

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

MATERIAL SURVEY REPORT

SG+65
Date April, 1966
Qhf

Material Sand & Gravel
County Kingman
Location SE 1/4 Sec. 21 Twp. 28S Range 7W
Owner Mabel Louise Lord R.R. 3, Kingman, Kansas
Nature of Deposit
Dry
Accessibility Good
Status of Site Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary
Geological Source Holdrege & Fullerton Formations
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
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+66  
Qgs

Site No. Qgs  Date April, 1966

Material Sand & Gravel  County Kingman

Location SW\(^4\)  Sec. 19  Twp. 28S  Range 7W

Owner Ralph B. Henning  R.R. 4, Kingman, Kansas

Nature of Deposit Dry  Accessibility Good

Status of Site Prospective 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

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate IV

Scale: 1" = 1/4 Mile
VA-67 Qgs

Site No. Date April, 1966

Material Volcanic Ash
County Kingman

Location SW 4/4
Sec. 19
Twp. 28S
Range 7W

Owner Ralph B. Henning
R.R. 4, Kingman, Kansas

Nature of Deposit Dry
Accessibility Fair

Status of Site Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Sappa Formation

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Mt. Co.Ft. Str. Ratio

Remarks Ash zone is thin (±2 feet) in exposure.
Site location on Plate IV

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

MATERIAL SURVEY REPORT

SG+68
Qhf

Site No. ____________________________ Date April, 1966

Sand & Gravel County Kingman

Material Location Sec. 30 Twp. 30S Range 8W

NE

Owner Fred H. Messenger Zenda, Kansas

Name of Deposit Dry Address

Nature of Deposit Accessibility Poor

Status of Site Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Holdrege & Fullerton Formations

Material Similar To

Specific Gravity (Sat.) (Dry)

Los Angeles Wear

Absorption Soundness

Wt. Cu./Pt. Str. Ratio

Remarks Site location on Plate V

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+69 Qgs

Site No. ___________________________ Date April, 1966

Material: Sand & Gravel County: Kingman

Location: SE1/4 Sec. 34 Twp. 30S Range 8W

Owner: See Remarks Below

Nature of Deposit: Dry

Accessibility: Fair

Status of Site: Prospective site; not sampled

EXPLORATION DATA

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<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:

Wet Co. Ft.:

Str. Ratio:

Remarks: Louise M. Ahlf & Maxine J. Allörrett

6306 Willowbrook, Wichita, Kansas

Site location on Plate V

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+70
Qgs

Site No. Date

April, 1966

Material Sand & Gravel County Kingman

Location NW 1/4 Sec. 34 Twp. 30S Range 10W

Owner Earl Wayne Strong Nashville, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; not 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

Specific Gravity (Stat.) (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+71

Site No.  Qgs

Date April, 1966

Material Sand & Gravel

County Kingman

Location NW 3/4  Sec. 33  Twp. 30S  Range 10W

Owner Fred Johansen

Name Holyrood, Kansas

Address Dry

Accessibility Good

Status of Site Prospective site, not sampled

EXPLORATION DATA

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<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

Wt. Co. Ft. Str. Ratio

Remarks Site location on Plate V
MATERIAL SURVEY REPORT

SG+72
Qgs

Site No. ____________________ Date ____________________

Sand & Gravel County Kingman

Location SW1/4 Sec. 28 Twp. 30S Range 10W

Delpha Moss 1728 Jeanette, Wichita, Kansas

Owner Name ____________________ Address ____________________

Nature of Deposit Dry

Accessibility Good

Status of Site Prospective 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>
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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
MATERIAL SURVEY REPORT

SG+73
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location SW14 Sec. 34 Twp. 30W Range 9W

Owner W. F. Keimig Zenda, Kansas

Nature of Deposit Dry

Accessibility Good

Status of Site Prospective 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

Wt. Cu.Ft. Str. Ratio

Remarks Site location on Plate V

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

MATERIAL SURVEY REPORT

SG+74
Qgs

Site No. Date April, 1966

Sand & Gravel Material

County Kingman

Location NW\(\frac{1}{4}\) Sec. 34 Twp. 30S Range 9W

Owner Name Harold Swingle

Address Zenda, Kansas

Nature of Deposit Dry

Accessibility Fair

Status of Site Prospective site; not sampled

EXPLORATION DATA

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<th>L.L.</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" = \(\frac{1}{4}\) Mile
MATERIAL SURVEY REPORT

SG+75 Qhf

Site No. Date April, 1966
Sand & Gravel County Kingman
Material Location NW 1/4 Sec. 26 Twp. 30S Range 9W
Fred Holcomb, & Harold Borgelt, Zenda, Kansas
Owner
Nature of Deposit Dry
Accessibility Good
Status of Site Prospective site; not sampled

EXPLORATION DATA

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

Geological Age Quaternary
Geological Source Holdrege & Fullerton Formations
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+76
Qgs

Site No. __________________ Date __________________

Material Sand & Gravel County Kingman
Location SE1/4 Sec. 35 Twp. 30S Range 9W

Owner See Remarks Below

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; not sampled

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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 Louise Morris & Pauline Wolf, 418 North Seneca
Wichita 12, Kansas Site location on Plate V

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

**MATERIAL SURVEY REPORT**

SG+78  
Qhf

Site No.  
Date  April, 1966

Material  Sand & Gravel  
County  Kingman

Location  SW1/4  
Sec.  28  
Twp.  29S  
Range  8W

Owner  Tom Higgins  
Brown Hotel, Kingman, Kansas

Nature of Deposit  Dry  
Accessibility  Fair

Status of Site  Prospective site; not sampled

**EXPLORATION DATA**

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**CORRELATION DATA**

Geological Age  Quaternary

Geological Source  Holdrege & Fullerton Formations

Material Similar To  

Specific Gravity (Sat.)  
(Dry)

Los Angeles Wear  

Absorption  

Soundness  

Wt. Cu. Ft.  

Str. Ratio  

Remarks  Site extends into Sec. 33 T29S R8W—See site data form SG+79. Site location on Plate V Qhf

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

MATERIAL SURVEY REPORT

SG+79
Qhf

Site No. ........................................ Date April, 1966

Sand & Gravel ................................ County Kingman

Material ........................................ Location NW\frac{1}{4}

Sec. 33 ........................................ Twp. 29S Range 8W

Owner .......................................... Name Tom Higgins

Brown Hotel, Kingman, Kansas

Nature of Deposit .............................. Address Dry

Accessibility ................................. Fair

Status of Site ................................ Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age ................................ Quaternary

Geological Source ........................... Holdrege & Fullerton Formations

Material Similar To .........................

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

Los Angeles Wear ............................

Absorption ................................ Soundness

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

Remarks .................................... Site extends into NE\frac{1}{4} Sec. 32 T29S R8W

Site location on Plate V

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

**MATERIAL SURVEY REPORT**

**SG+80**

**Qgs**

*Site No. __________________ Date __________________*

**Sand & Gravel**

*County __________________*

**Location SW 1/4**

*Sec. 32 Twp. 29S Range 10W*

*Owner __________________ Address __________________*

**Nature of Deposit: Dry**

**Accessibility: Good**

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

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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+81
Qal

Site No. Date April, 1966
Sand & Gravel County Kingman
Location Sec. 36 Twp. 30S Range 6W
Owner Albert E. Drovdard R.R. 3, Harper, Kansas
Nature of Deposit Accessibility Poor
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
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+82  
Qhf

Site No.  

Date  April, 1966

Material  Sand & Gravel  
County  Kingman

Location  SW1/4  
Sec.  36  
Twp.  30S  
Range  7W

Owner  Carrie M. Thiel  
R.R. 3, Harper, Kansas

Nature of Deposit  Dry  
Accessibility  Good

Status of Site  Prospective site; not sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Holdrege & Fullerton Formations

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
APPENDIX IV

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

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STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+83

Qhf

Site No. 

Date April, 1966

Material Sand & Gravel 

County Kingman

Location SE1/4 

Sec. 11 

Twp. 28S 

Range 8W

Owner F. A. Allbritten 

Cunningham, Kansas

Nature of Deposit Dry 

Accessibility Good

Status of Site Prospective site; sampled

EXPLORATION DATA

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

Geological Age Quaternary

Geological Source Holdrege & Fullerton Formations

Material Similar To SHC Form 619, No. 48-10

Specific Gravity (Sat.) 2.61 (Dry)

Los Angeles Wear 35.6

Absorption Soundness 0.95

Wt. Cu.Ft. 102.7 Str. Ratio

Remark Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+84
Qgs

Site No. Date April, 1966

Sand & Gravel County Kingman

Location Sec. 3 Two. 27S Range 10W

Owner Harold E. Crotts Turon, Kansas

Nature of Deposit Dry

Accessibility Fair

Status of Site Prospective site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To 1 Quality Sample, Lab No. 11055

Specific Gravity (Sat.) 2.60 (Dry)

Los Angeles Wear 32.7

Absorption Soundness 0.98

M. C/Ft. 113.62 Str. Ratio

Remarks Site location on Plate I

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

MATERIAL SURVEY REPORT

SG+85
Qgs

Site No. Date April, 1966

Material Sand & Gravel County Kingman

Location NE\(^{4}\) Sec. 7 Twp. 27S Range 10W

Owner Dean Dyche Cunningham, Kansas

Nature of Deposit Dry

Accessibility Fair

Status of Site Prospective site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary

Geological Source Grand Island Formation

Material Similar To SHC Form 619, No. 48-6

Specific Gravity (Sat.) 2.59 (Dry)

Los Angeles Wear 31.6

Absorption Soundness 0.99

Wt. Cu. Ft. 110.9 Str. Ratio

Remarks Site location on Plate I

Scale: 1" = \(\frac{1}{2}\) Mile
STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG+86
Qhf

Site No. ___________________________ Date April, 1966

Material Sand & Gravel County Kingman

Location Sec. 3 Twp. 27S Range 5W

Owner Maude Moorhouse Address Cheney, Kansas

Nature of Deposit Dry Accessibility Good

Status of Site Prospective site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age Quaternary
Geological Source Holdrege & Fullerton Formations
Material Similar To Quality Sample, Lab No. 16923

Specific Gravity (Sat.) 2.62 (Dry)
Los Angeles Wear 30.7
Absorption Soundness 0.97
Mt. Cu.Ft. 113.62 Str. Ratio
Remarks Site location on Plate II

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+87
Qal

Site No.  
Date April, 1966

Material  Sand & Gravel  County  Kingman

Location  NE 1/4  Sec. 16  Twp. 27S  Range 7W

Owner  Norris Woddridge  R.R. 2, Kingman, Kansas

Nature of Deposit  Dry  Accessibilitiy  Poor

Status of Site  Prospective site; sampled

EXPLORATION DATA

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CORRELATION DATA

Geological Age  Quaternary

Geological Source  Alluvium

Material Similar To  1 Quality Sample, Lab. No. 70559

Specific Gravity (Sat.)  2.60 (Dry)

Los Angeles Wear

Absorption  Soundness  0.99

M.T. Cu.Ft.  112.3 Str. Ratio

Remarks  Site location on Plate II

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

BS+88
Qcl

Site No.       Date     April, 1966
Material  Binder Soil  County  Kingman
Location  Sec. 17  Twp. 29S  Range 7W
Owner  See Remarks Below  Address
Nature of Deposit  Dry  Accessibility  Poor
Status of Site  Prospective site; sampled

EXPLORATION DATA

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<th>Percent Retained</th>
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CORRELATION DATA

Geological Age  Quaternary
Geological Source  Colluvium & Soil
Material Similar To  SHC Form 619, No. 48-11

Specific Gravity (Sat.)  (Dry)
Los Angeles Wear
Absorption
Wt. Cu.Ft.  Str. Katio
Remarks  Walter J. & James S. & Charles F. Castle
4984 Fairview Ave., St. Louis, Missouri
Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+89
Qgs

Site No. Sand & Gravel
Date April, 1966
County Kingman
Location SE 1/4 Sec. 17 Twp. 28S Range 7W
Owner Sam F. Reynolds Box 326, Kingman, Kansas
Nature of Deposit Dry
Accessibility Good
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>Percent Retained</th>
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CORRELATION DATA

Geological Age Quaternary
Geological Source Grand Island Formation
Material Similar To 1 Quality Sample, Lab No. 17935
Specific Gravity (Sat.) 2.62 (Dry)
Los Angeles Wear 32.8
Absorption Soundness 0.95
Wt. Cu.ft. 106.48 Str. Ratio
Remarks Site location on Plate IV

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

Site No. 180

Date April, 1966

Material Sand & Gravel

County Kingman

Location NW\text{\textdegree}

Sec. 14

Twp. 30S

Range 8W

Owner Herman Kimminav

Address Spivey, Kansas

Nature of Deposit Dry

Accessibility Poor

Status of Site Prospective site; sampled

EXPLORATION DATA

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

Geological Age Quaternary

Geological Source Alluvium

Material Similar To SHC Form 619, No. 48-1

Specific Gravity (Stat.) 2.63 (Dry)

Los Angeles Wear 23.4

Absorption 0.97

Mt. Co.Ft. 115.0

Str. Ratio

Remarks Site location on Plate V

Scale: 1" = ½ Mile
MATERIAL SURVEY REPORT

SG+91
Qal

Site No. ___________ Date ___________
April, 1966

Material Sand & Gravel County Kingman

Location NE 7 Sec. Twp. 30S Range 8W

Owner Earl G. Funk Spivey, Kansas

Nature of Deposit Dry Accessibility Fair

Status of Site Prospective site; sampled

EXPLORATION DATA

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<tr>
<th>Test</th>
<th>Material at Bottom of Hole</th>
<th>Depth of Over-Burden</th>
<th>Depth of Material</th>
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CORRELATION DATA

Geological Age Quaternary

Geological Source Alluvium

Material Similar To 1 Quality Sample, Lab. No. 94658

Specific Gravity (Sat.) 2.61 (Dry)

Los Angeles Wear 32.0

Absorption Soundness 0.98

Wt. Cu.Ft. 111.6 Str. Ratio

Remarks Site location on Plate V

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

MATERIAL SURVEY REPORT

FS+92 Qal
Site No. ___________________________ Date ___________________________

Material ___________________________ County ________________

Filler Sand ___________________________ Kingman
Location ___________________________
NE ½ Sec. 15 Twp. 30S Range 7W

Owner ___________________________
Ross Gilchrist 425 East D, Kingman, Kansas

Nature of Deposit ___________________________
Dry ___________________________

Accessibility ___________________________
Poor ___________________________

Status of Site ___________________________
Prospective site; sampled ___________________________

EXPLORATION DATA

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CORRELATION DATA

Geological Age ___________________________
Quaternary ___________________________

Geological Source ___________________________
Alluvium ___________________________

Material Similar To ___________________________
SHC Form 619, No. 48-9B ___________________________

Specific Gravity (Sat.) ___________________________
(Dry) ___________________________

Los Angeles Wear ___________________________
Absorption ___________________________
Soundness ___________________________

Wt. Cu.Ft. ___________________________
Str. Ratio ___________________________

Remarks ___________________________
Site location on Plate VI ___________________________

Scale: 1" = ¼ Mile
MATERIAL SURVEY REPORT

SG+93
Qal

Site No. Date April, 1966

Material: Sand & Gravel County: Kingman

Location NW¼ Sec. 15 Twp. 30S Range 7W

Owner Ross Gilchrist 425 East D, Kingman, Kansas

Nature of Deposit: Dry

Accessibility: Fair

Status of Site: Prospective site; sampled

EXPLORATION DATA

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<th>Test</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: Alluvium

Material Similar To: SHC Form 619, No. 48-9C-R

Specific Gravity (Sat.)  2.58 (Dry)

Los Angeles Wear 36.3

Absorption Soundness 0.99

Mt. Cu.Ft. 103.79

Str. Ratio

Remarks Site location on Plate VI

Scale: 1" = ¼ Mile