Potholes and Their Effects on Wages

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Abstract

,Q &OHYHODQG SRWKROHV KDYH EHH
SHRSOH ZKHQ GULYLQJ RQ URDGV 7K
URDG FRQGLWLRQV ZKLFK FDQ QRW R
VHYHUHO\ KDUP SHRSOH LQ WKRVH FD
WKHVH SUREOHPV PDQ\ SRWKROHV D
HIILFLHQWO\ DV WKH\ FRXOG EH 7KH
SRWKROHV FDQ EH GHDOW ZLWK EXW
ILOOHG DW RQFH 7KLV VWXG\ ZLOO H
W\SLFDO SRWKROH %\ H[DPLQLQJ KRZ
KRZ PXFK WKH PDWHULDO FRVWV DQG ILQG RXW WKH WUHQGV RQ
KRZ SRWKROHV IRUP ZH FDQ GHWHUPLQH WKH PRVW HIIHFWLYH
ZD\ RI PDLQWDLQLQJ URDGV 6LQFH WKHUH DOH P DQ\ ZD\V RI
UHSDLULQJ SRWKROHV ZH FDQ DOVR VHH ZKLFK PHWKRG LV WKH
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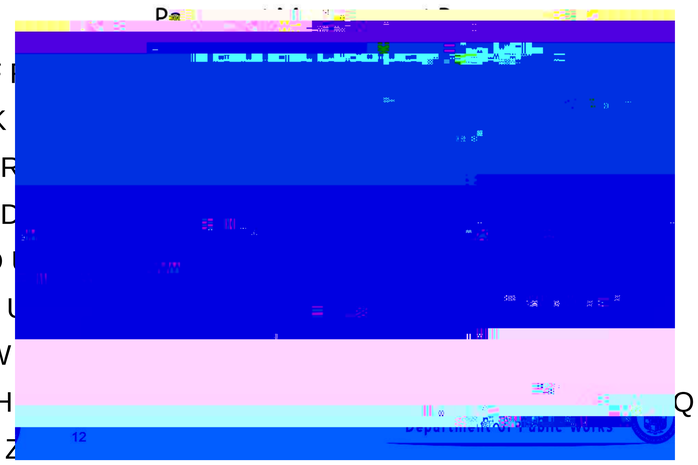
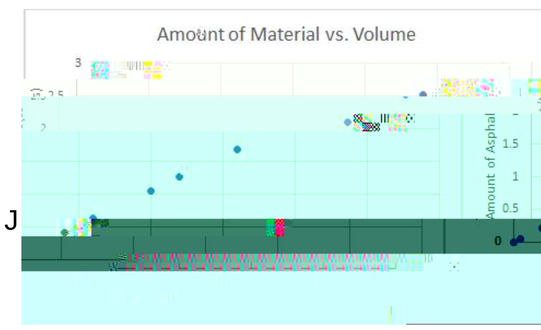
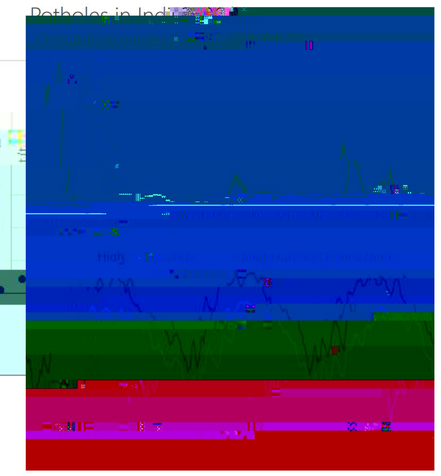
GULYLQJ GRZQ FRVW







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WKH SRWKROH LV
$VSKDOW LV W\SLFDOO\ FKHDSHU WKDQ FRQFUHWH FRVWLQJ DV OLWWOH DV
SHU VT IW &RQFUHWH LV DERXW SHU VT IW
5HSDLUV DUH QRW HDVLHU ZLWK DVSKDOW JUXDW GDLO\
LPSURYHPHQWV

+RZHYHU FRQFUHWH GRHV ODVW ORQJHU DERXW \HDUV DV
RSSRVHG WR DVSKDOW DERXW \HDUV &RQFUHWH LV DOVR PRUH
GXUDEOH

:RUNHUV PDNH DV OLWWOH DV PLQLPXP ZDJH RU DV PXFK
DV DQ KRXU 8VXDOO\ WKH DPRXQW PDGH LV DERXW
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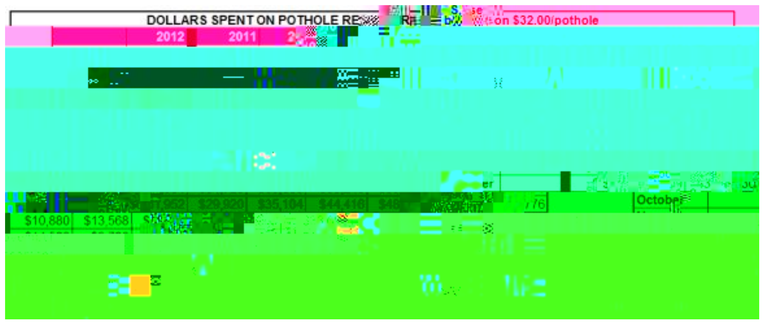

OBJECTIVES

- Find the most cost efficient way to to reduce the plague of potholes in areas with climate similar to Ohio.
- Find what type of asphalt is viable depending on the season

METHODS

- Use reports made about potholes from government websites and articles
- Look for a correlation bewteen size of potholes and the cost to fix the pothole
- Found charts for the reports made about the pothole and the cost estimates to fix thes potholes

CONCLUSIONS

$FFRUGLQJ WR WKH WUHQGV ZH IRXQ
DUH EHFRPLQJ D PDMRU SUREOHP LQ
SDUWV RI WKH 8 6 7KH FKDUWV DQG
VKRZ WKDW WKH LVVXHV RI SRWKROH
SHRSOH ZRXOG WKLQN +RZHYHU E\ D
LPSRUWDQW IDFWRUV ZH FDQ FRPH X
PHWKRG DW WDFNOLQJ SRWKROHV LQ
SRVVLEOH

FUTURE WORK

ZH FDQ XVH WKLV GDWD FROOHFWHG
PDMRU SUREOHPV DUH DQG SULRULWL
HQJLQHHUV WR GHWHUPLQH ZKLFK PH
HIIHFWLYH ZKLOH DOVR EHLQJ WKH E

References

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