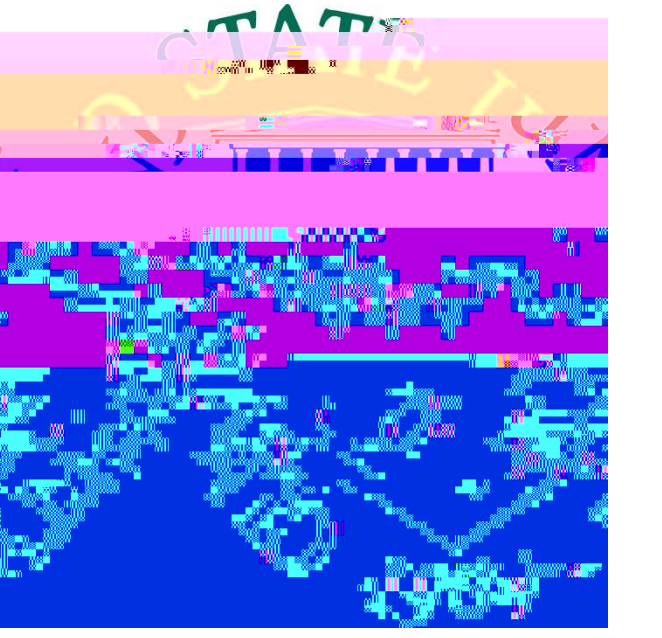


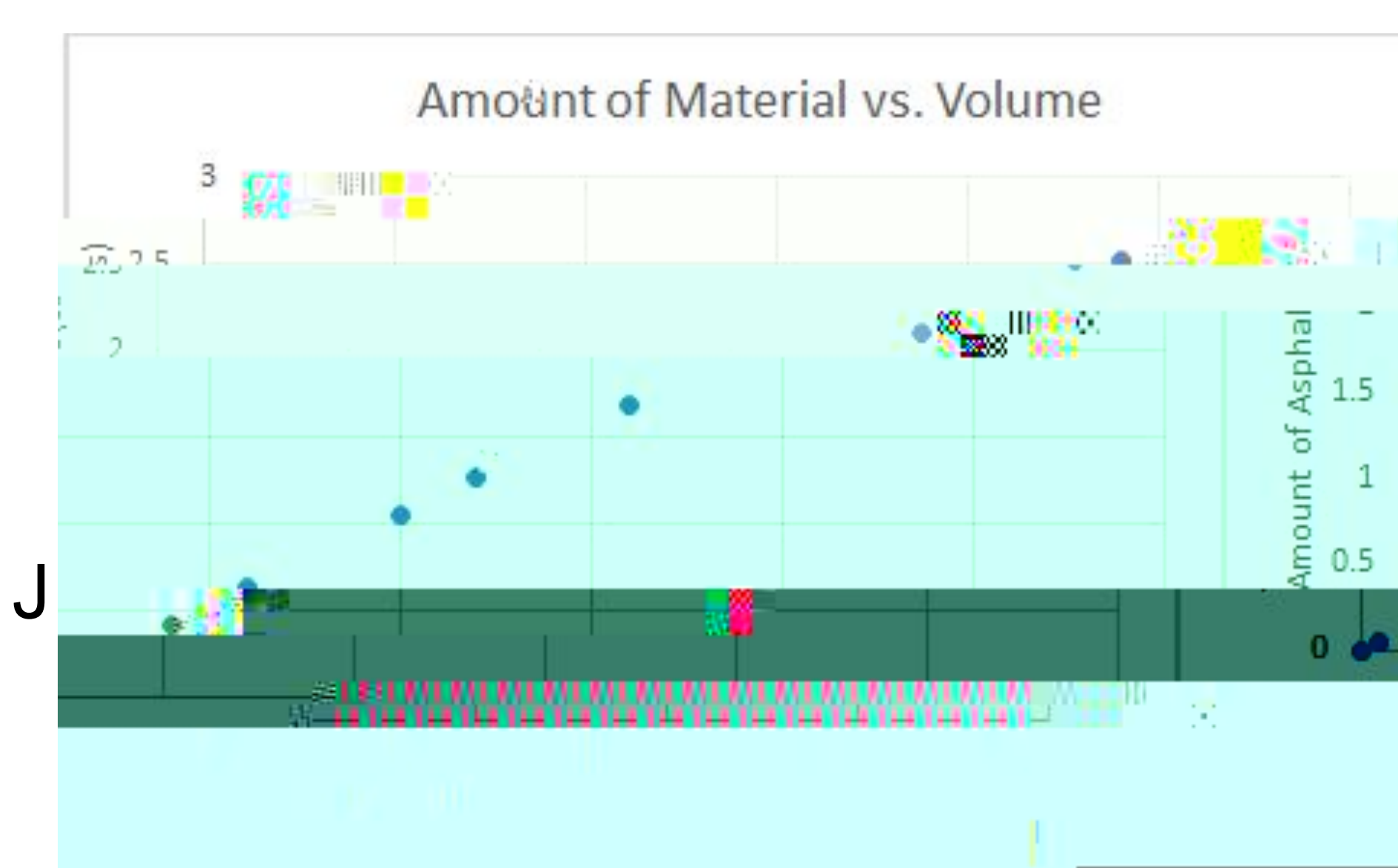
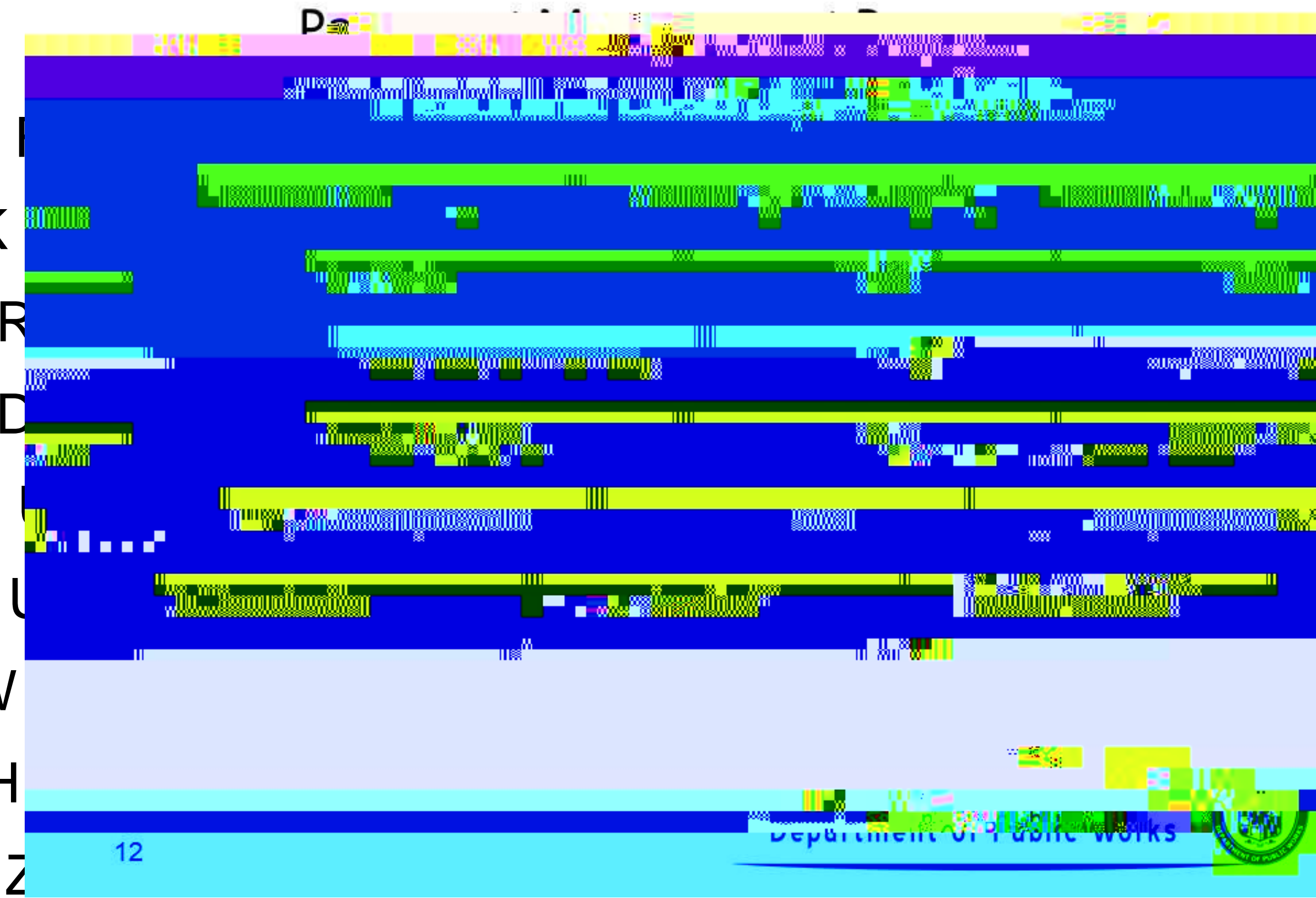
# Potholes and Their Effects on Wages

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## Abstract

,Q & OHYHODQG SRWKROHV KDYH EHF  
 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 GHDOV ZLWK EXW  
 ILOOHG DW RQFH 7KLV VWXG\ ZLOO H  
 W\SLFDO SRWKROH %\ H[DPLQLQJ KRZ  
 KRZ PXFK WKH PDWHULDO FRVWV DQG ILQG RXW WKH WUHQQV RQ  
 KRZ SRWKROHV IRUP ZH FDQ GHWHUPLQH WKH PRVW HIIHFWLYH  
 ZD\ RI PDLQWDLQLQJ URDGV 6LQFH WKH PDWHULDO PDQ\ ZD\ RI  
 UHSDLULQJ SRWKROHV ZH FDQ DOVR VHH ZKLFK PHWKRG LV WRH  
 PRVW HIILFLHQW DW SUHYHQWLQJ SRWKROHV LQ WKH VWXG\ ZKLOH VWLQO  
 GULYLQJ GRZQ FRVW



## 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



3RWKROH UHSDLUV FDQ W\SLFDOO\ FRVW UDQJH IURP WR  
 7KLV YDULHV EDVHG RQ KRZ IDW WKH FDU LV JRLQJ DQG KRZ ODUJH  
 WKH PDWHULDO PDQ\ ZD\ RI  
 UHSDLULQJ SRWKROHV ZH FDQ DOVR VHH ZKLFK PHWKRG LV WRH  
 PRVW HIILFLHQW DW SUHYHQWLQJ SRWKROHV LQ WKH VWXG\ ZKLOH VWLQO  
 GULYLQJ GRZQ FRVW

## CONCLUSIONS

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

## METHODS

- ” Use reports made about potholes from government websites and articles
- ” Look for a correlation between 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 these potholes

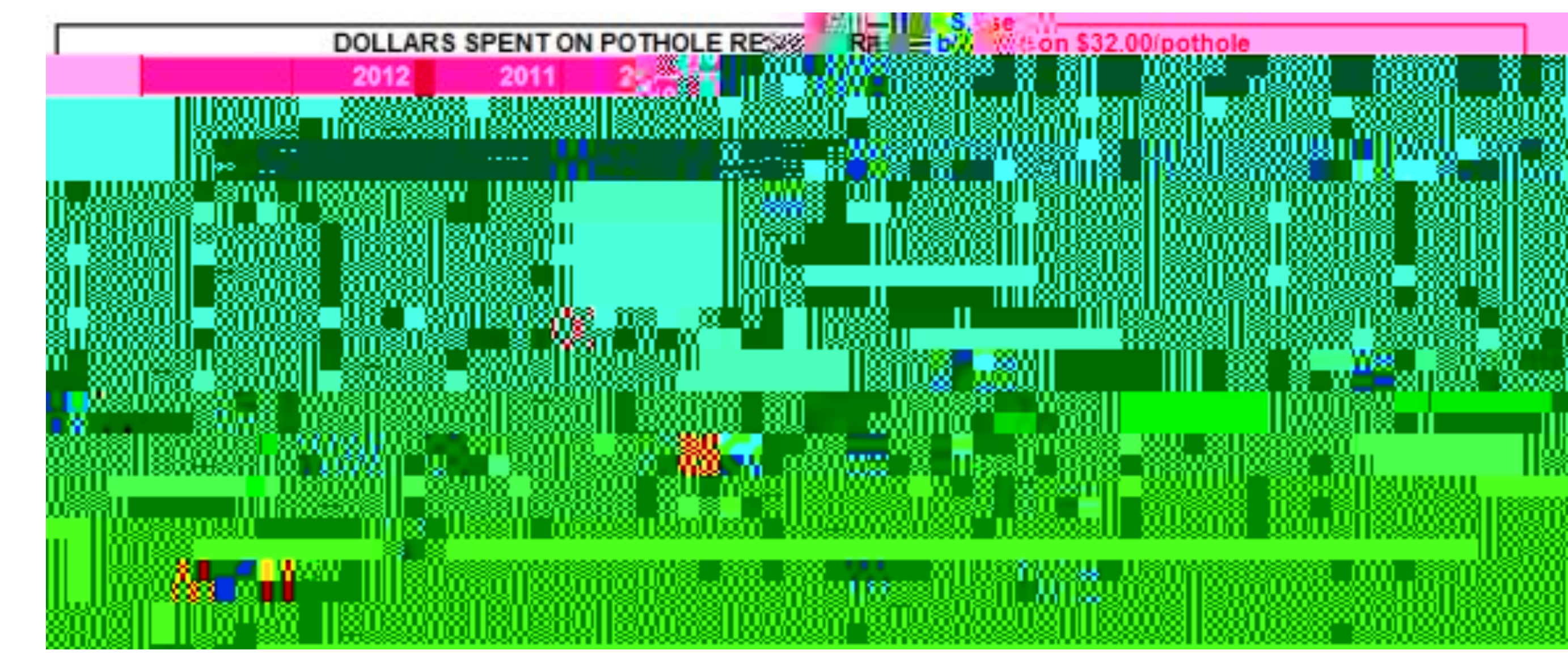
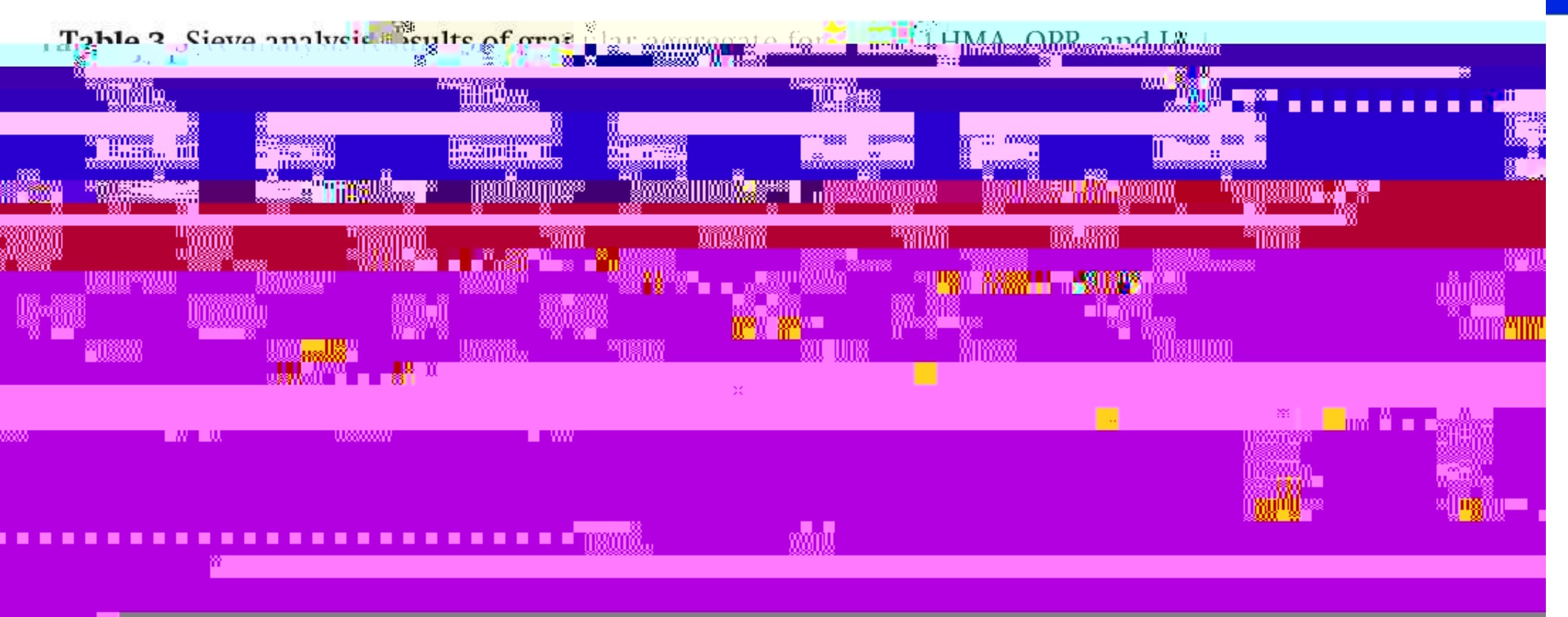


Table 1. Po...

Region	2012	2011
Region A	1200	1000
Region B	800	900
Region C	1500	1100
Region D	900	700
Region E	1100	1300



## FUTURE WORK

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

## References

WWWV ZZZ XQLTXHSDYDQJPDWHULDOV FRP UHVRXUFH OLEUDU\ SRWKROH  
 KWWS ZZZ VSHHGDFH LQIR ORWRUB6KRZY 3RWKROHV%ULWDLQB8.B5RDGV  
 %LVZDV 6 HW DO 3\$ 6WXG\ RQ 3RWKROH 5HSDLU LQ &DQGD WKUR  
 RI 3DWFKLQJ 6DWBGLDQV-RXUQDO RI 3DLO (QRQHHS) 3\$ 2KRVV  
 GRL FMFH \$FFVHVH 0DU