

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	THIS SHEET
F.A.U. 6728	*	TAZEWELL	28	3

**EARTHWORK SUMMARY (FOR INFORMATION ONLY)**

STA. 104+11.64 TO STA. 137+14.45

EARTH EXCAVATION		743 C.Y.
EARTH EXCAVATION (20200100)	TOTAL	743 C.Y.
EMBANKMENT		193 C.Y.*
WASTE	TOTAL	550 C.Y.**

\* INCLUDES 15% SHRINKAGE FACTOR.  
 \*\* MATERIAL NOT SUITABLE FOR FILL NORTH OF RTE 24.

**EARTHWORK SUMMARY (FOR INFORMATION ONLY)**

STA. 138+79.54 TO STA. 142+70.73

EARTH EXCAVATION		10 C.Y.
EARTH EXCAVATION (20200100)	TOTAL	10 C.Y.
EMBANKMENT		664 C.Y.*
FURNISHED EXCAVATION (20400800)	TOTAL	654 C.Y.

\* INCLUDES 15% SHRINKAGE FACTOR.

**28000400 PERIMETER EROSION BARRIER**

LOCATION	QUANTITY
65.5' RT. STA. 136+68.0 TO 77.0' RT. STA. 137+38.5	75 FT.
69.8' RT. STA. 138+79.9 TO 25.8' RT. STA. 142+72.7	400
<b>PROJECT TOTAL</b>	<b>475 FT.</b>

**42400800 DETECTABLE WARNINGS**

LOCATION	QUANTITY
RT. STA. 114+53.10 (KINGSBURY)	26 SQ.FT.
RT. STA. 115+20.43 (KINGSBURY)	26
RT. STA. 124+14.72 (CRUGER)	23
RT. STA. 124+79.89 (CRUGER)	24
RT. STA. 137+14.45 (RTE 24)	16
RT. STA. 137+37.13 (RTE 24 ISLAND)	16
RT. STA. 137+48.86 (RTE 24 ISLAND)	16
RT. STA. 138+10.07 (RTE 24 MEDIAN)	16
RT. STA. 138+22.24 (RTE 24 MEDIAN)	16
RT. STA. 138+79.54 (RTE 24)	19
RT. STA. 142+53.12 (ST. CLARE)	16
LT. STA. 142+53.64 (ST. CLARE)	16
LT. STA. 142+70.73 (ST. CLARE)	16
<b>PROJECT TOTAL</b>	<b>246 SQ.FT.</b>

**Z0062000 SAW CUTTING (CURB OPENING)**

LOCATION	QUANTITY
RT. STA. 114+53.10 (KINGSBURY)	14 FT.
RT. STA. 115+20.43 (KINGSBURY)	15
RT. STA. 124+14.72 (CRUGER)	13
RT. STA. 124+79.89 (CRUGER)	14
RT. STA. 137+37.13 (RTE 24 ISLAND)	8
RT. STA. 137+48.86 (RTE 24 ISLAND)	8
RT. STA. 138+10.07 (RTE 24 MEDIAN)	8
RT. STA. 138+22.24 (RTE 24 MEDIAN)	8
RT. STA. 142+53.12 (ST. CLARE)	9
LT. STA. 142+53.64 (ST. CLARE)	9
LT. STA. 142+70.73 (ST. CLARE)	9
<b>PROJECT TOTAL</b>	<b>115 FT.</b>

**66400205 CHAIN LINK FENCE, 5'**

LOCATION	QUANTITY
RT. STA. 114+07.55 TO RT. STA. 114+50.55	45 FT.
RT. STA. 140+59.4 TO RT. STA. 141+59.0	100
<b>PROJECT TOTAL</b>	<b>145 FT.</b>

**542D5491 PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND - SIZE 36"**

LOCATION	QUANTITY
RT. STA. 141+31.0	23 FT.
RT. STA. 141+39.9	24
RT. STA. 141+48.0	25
<b>PROJECT TOTAL</b>	<b>72 FT.</b>

**56109210 WATER VALVES TO BE ADJUSTED**

LOCATION	QUANTITY
RT. STA. 107+15	1 EA.
RT. STA. 109+28	1
RT. STA. 123+96	1
RT. STA. 124+12	1
<b>PROJECT TOTAL</b>	<b>4 EA.</b>

**42400100 PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH**

LOCATION	QUANTITY
RT. STA. 114+39.89 TO RT. STA. 114+53.10 (KINGSBURY)	152 SQ.FT.
RT. STA. 115+20.43 TO RT. STA. 115+34.68 (KINGSBURY)	155
RT. STA. 124+02.60 TO RT. STA. 124+14.72 (CRUGER)	140
RT. STA. 124+79.89 TO RT. STA. 124+92.90 (CRUGER)	144
RT. STA. 137+03.00 TO RT. STA. 137+14.45 (RTE 24)	140
RT. STA. 138+79.54 TO RT. STA. 138+95.25 (RTE 24)	234
RT. STA. 142+43.27 TO RT. STA. 142+53.12 (ST. CLARE)	141
LT. STA. 142+53.64 TO LT. STA. 142+70.73 (ST. CLARE)	270
<b>PROJECT TOTAL</b>	<b>1,376 SQ.FT.</b>

**78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"**

LOCATION	QUANTITY
KINGSBURY CROSS WALK	176 FT.
CRUGER CROSS WALK	162
RTE 24 NORTH BOUND TURN LANE CROSS WALK	56
RTE 24 - EAST BOUND CROSS WALK	131
RTE 24 - WEST BOUND CROSS WALK	125
CUMMINGS @ ST. CLARE - CROSS WALK	90
ST. CLARE CROSS WALK	80
<b>PROJECT TOTAL</b>	<b>820 FT.</b>

**78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"**

LOCATION	QUANTITY
KINGSBURY STOP BAR	25 FT.
CRUGER STOP BAR	24
RTE 24 NORTH BOUND TURN LANE STOP BAR	24
RTE 24 - WEST BOUND STOP BAR	43
CUMMINGS @ ST. CLARE STOP BAR	12
ST. CLARE STOP BAR	16
<b>PROJECT TOTAL</b>	<b>144 FT.</b>

**78300100 PAVEMENT MARKING REMOVAL**

LOCATION	QUANTITY
RTE 24 NORTH BOUND TURN LANE	42 SQ.FT.
RTE 24 - WEST BOUND	127
CUMMINGS @ ST. CLARE	33
ST. CLARE	33
<b>PROJECT TOTAL</b>	<b>235 SQ.FT.</b>

**72000100 SIGN PANEL - TYPE 1**

LOCATION	QUANTITY
*NORTH BOUND RECREATION TRAIL @ KINGSBURY	2.25 SQ.FT.
*SOUTH BOUND RECREATION TRAIL @ KINGSBURY	2.25
*NORTH BOUND RECREATION TRAIL @ CRUGER	2.25
*SOUTH BOUND RECREATION TRAIL @ CRUGER	2.25
*NORTH BOUND RECREATION TRAIL @ ST. CLARE	2.25
*SOUTH BOUND RECREATION TRAIL @ ST. CLARE	2.25
**EX. MAA&P A	0.94
**EX. TS POST B	0.94
**PROP. TS POST C	0.94
**EX. TS POST D	0.94
<b>PROJECT TOTAL</b>	<b>17.26 SQ.FT.</b>

\*SHARED USE PATH STOP SIGN R1-1 (18x18)  
 \*\*PEDESTRIAN SIGNS R10-3E (9x15)

**72900100 METAL POST - TYPE A**

LOCATION	QUANTITY
NORTH BOUND RECREATION TRAIL @ KINGSBURY	9 FT.
SOUTH BOUND RECREATION TRAIL @ KINGSBURY	9
NORTH BOUND RECREATION TRAIL @ CRUGER	9
SOUTH BOUND RECREATION TRAIL @ CRUGER	9
NORTH BOUND RECREATION TRAIL @ ST. CLARE	9
SOUTH BOUND RECREATION TRAIL @ ST. CLARE	9
<b>PROJECT TOTAL</b>	<b>54 FT.</b>

**X7240505 RELOCATE SIGN PANEL & POST**

LOCATION	QUANTITY
RT. STA. 119+37 - STOP AHEAD	1 EA.
RT. STA. 128+81 - PARK INFORMATION	1
RT. STA. 131+76 - TRAFFIC SIGNAL AHEAD	1
RT. STA. 140+98 - PARK INFORMATION	1
LT. STA. 142+67 - STOP SIGN	1
<b>PROJECT TOTAL</b>	<b>5 EA.</b>

**Z0043750 PRECAST MODULAR BLOCK WALL**

LOCATION	QUANTITY
26.0' RT. STA. 140+57.2 TO 23.7' RT. STA. 140+92.1	126 SQ.FT.
<b>PROJECT TOTAL</b>	<b>126 SQ.FT.</b>

**DRIVEWAY PAVEMENT SCHEDULE**

LOCATION	(4400200) DRIVEWAY PAVEMENT REMOVAL (SQ.YD.)	(42300300) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH (SQ.YD.)
RT. STA. 105+97.07 TO RT. STA. 106+42.11	117	125
<b>PROJECT TOTAL</b>	<b>117 S.Y.</b>	<b>125 S.Y.</b>

**MEDIAN & ISLAND PAVEMENT SCHEDULE**

LOCATION	(X4402020) CONCRETE MEDIAN SURFACE REMOVAL (SQ.FT.)	(60618320) CONCRETE MEDIAN SURFACE, 6 INCH (SQ.FT.)	(X4402810) ISLAND SURFACE REMOVAL AND REPLACEMENT (SQ.FT.)
RT. STA. 138+10.07 TO RT. STA. 138+22.24	300	300	---
RT. STA. 137+37.13 TO RT. STA. 137+48.66	---	---	99
<b>PROJECT TOTAL</b>	<b>300 S.F.</b>	<b>300 S.F.</b>	<b>99 S.F.</b>

**SEEDING SCHEDULE**

LOCATION	(25000100) SEEDING CLASS 1 (ACRE)	(25000300) SEEDING CLASS 3 (ACRE)	(25000400) NITROGEN FERTILIZER NUTRIENT (LB)**	(25000500) PHOSPHOROUS FERTILIZER NUTRIENT (LB)**	(25000600) POTASSIUM FERTILIZER NUTRIENT (LB)**	(25100115) MULCH METHOD 2 (ACRE)***
RT. STA. 104+11.64 TO RT. STA. 137+14.45	0.80	---	72.0	72.0	72.0	0.80
RT. STA. 138+79.54 TO RT. STA. 142+70.73	---	0.20	18.0	18.0	18.0	0.20
<b>PROJECT TOTAL</b>	<b>0.80 ACRE</b>	<b>0.20 ACRE</b>	<b>90.0 LB.</b>	<b>90.0 LB.</b>	<b>90.0 LB.</b>	<b>1.0 ACRE</b>

\*\* FERTILIZER TO BE APPLIED AT 270 LBS. PER ACRE AT 1-1-1 RATIO  
 \*\*\* PROCEDURE 1 TO BE APPLIED AT 2 TONS PER ACRE

**PAVING SCHEDULE**

LOCATION	PAVING AREA (SQ.YD.)	(35101800) AGGREGATE BASE COURSE, TYPE B, 6" (SQ.YD.)	(40600100) BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	(40603310) HOT-MIX ASPHALT SURF. CSE. MIX "C", N50 (TON)
RT. STA. 104+11.64 TO RT. STA. 105+97.07	202	202	50	23
RT. STA. 106+42.11 TO RT. STA. 109+37.38	329	329	82	37
RT. STA. 109+72.57 TO RT. STA. 114+39.89	519	519	130	58
RT. STA. 115+34.68 TO RT. STA. 117+46.25	235	235	59	26
RT. STA. 117+91.67 TO RT. STA. 120+97.68	340	340	85	38
RT. STA. 121+42.52 TO RT. STA. 124+02.60	289	289	72	33
RT. STA. 124+92.90 TO RT. STA. 137+03.00	1,350	1,350	338	151
RT. STA. 138+95.25 TO RT. STA. 142+43.27	315	315	79	35
<b>PROJECT TOTAL</b>	<b>3,579 S.Y.</b>	<b>3,579 S.Y.</b>	<b>895 GAL.</b>	<b>401 TON</b>

\* PRIME ESTIMATED @ 0.25 GAL./SQ.YD. ON AGGREGATE BASE  
 HMA BITUMINOUS SURFACE ESTIMATED AT 112 POUNDS/SQ.YD./IN. THICKNESS

<b>SCHEDULE OF QUANTITIES</b>		<b>AUSTIN ENGINEERING CO., INC.</b>	
<b>NORTH CUMMINGS LANE RECREATION TRAIL NORTH LOOP</b>		Consulting Engineers / Surveyors 9100 North University Street Peoria, Illinois 61615-1879 License No. 184-001143	
FOR: CITY OF WASHINGTON	REVISED	REVISED	PROJECT NUMBER: 20-10-008
DATE: 12/01/11	SCALE	BOOK	SHEET NO. 3 OF 28