

### Playing Movie Director

### Point of infection (POI): Haworth Hall

#### **Zombies**

- Attracted to population centers
- Move Easily on Roads
- Wander in open spaces

### **Grocery Store**

- Long predicted path of Zombies from POI
- 2. View shed that intersects with predicted zombie path.
- 3. Path to gun store
- 4. Steeper surrounding slope





http://www.horror.com/articles\_files/ZL\_WoodyBat.jpg

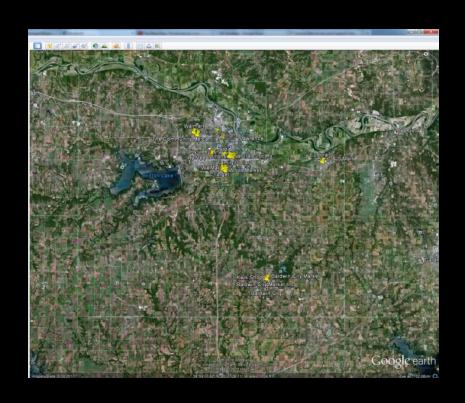
### **Data Collection**

### **Google Earth**

- Grocery Stores
- Gun Stores

### **Kansas DASC**

- 1/3 Arc Sec DEM
- Kansas Land Cover 2009
- TIGER Roads

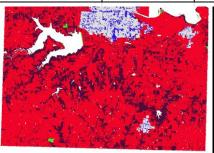


## Cost Layer

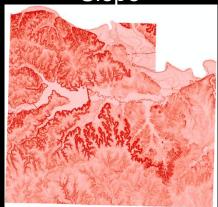
Land Cover

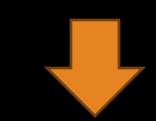


and Cover Type	Original Code	New Value	
Commercial/Industri	11	2	
Residential	12	1	
Urban Openland	13	1	
Urban Woodland	14	2	
Urban Water	15	nodata	I
Cropland	20	3	
Grassland	30	3	I
CRP Land	31	4	I
Woodland	40	5	I
Water	50	no data	
Other	60	3	



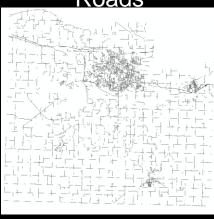
Slope



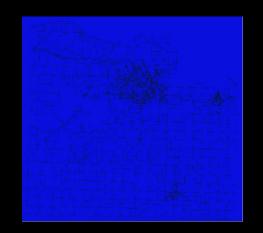


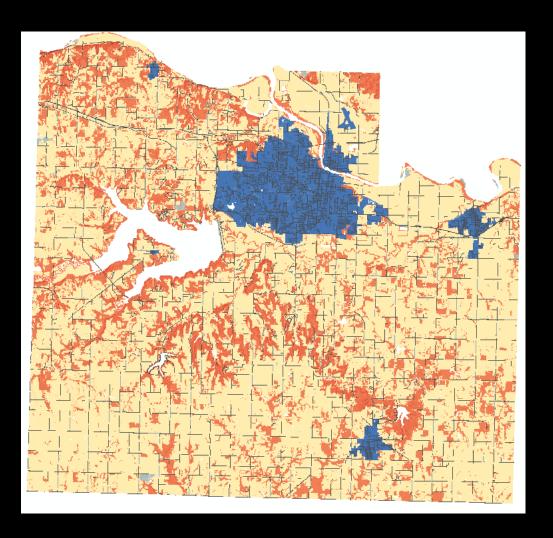


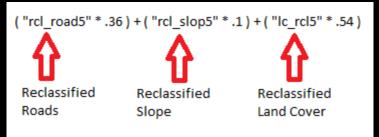
Roads

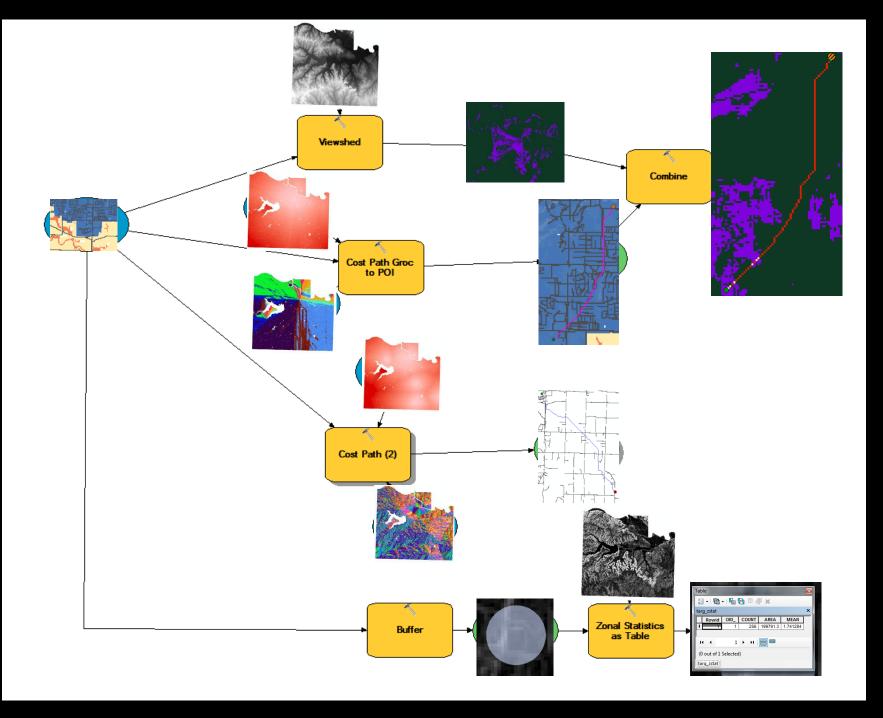












"Name"	Total Score Unweighted	Rank
"Baldwin City Market"	49.00	1
"WalMart 1"	45.00	2
"World Market"	39.50	3
"Checkers"	39.00	4
"Diilons 2"	38.50	5
"Dillons 1"	33.50	6
"Target"	31.00	7
"Walmart 2"	31.00	7
"Natural Grocers"	30.00	8
"Aldi"	30.00	8
"Dillons 3"	29.00	9
"Family Dollar"	28.00	10
"Hy-vee"	21.50	11
"The Community Mercan	20.00	12
"C & S Mart"	19.00	13
	Highest Possible Score	60
	Average Score	32.26667
	Median Score	31



I				
1	"Name"	Total Score Unweighted	Rank	
(	Checkers	39	1	
I	Dillions 1	33.5	2	2
ı	Natural Grocers	30	3	
1	Aldi	30	3	
ı	Family Dollar	28	4	

"OID_"	"Name"	Zombie Path	Path Ranking	viewshed Path Intersect	viewshed Path Intersect rank	dist to gun store	Gun Path Rank	Zonal Slope Mean	Slope Mean rank	Total Score Unweighted
1	"Target"	115	10	7	5	328	3	1.741284	13	31.00
2	"WalMart 1"	125	11	58	15	289	5	1.494553	14	45.00
3	"Hy-vee"	100	8	13	9.5	350	2	4.058	2	21.50
4	"Natural Grocers"	52	3	12	7	124	11	2.474356	9	30.00
5	"World Market"	112	9	11	11.5	321	4	1.0905587	15	39.50
6	"Aldi"	48	2	18	12	120	12	3.116779	4	30.00
7	"Family Dollar"	56	6	6	4	128	8	2.194562	10	28.00
8	"Dillons 1"	53	4	11	11.5	125	10	2.571715	8	33.50
9	"Diilons 2"	170	12	13	9.5	223	6	2.022277	11	38.50
10	"Dillons 3"	70	7	5	2	49	14	2.981411	6	29.00
11	"Walmart 2"	188	13	10	6	205	7	3.073265	5	31.00
12	"C & S Mart"	473	14	1	1	405	1	3.198422	3	19.00
13	"Baldwin City Market"	689	15	29	14	79	13	2.966447	7	49.00
14	"The Community Mercantile"	47	1	6	3	22	15	4.637787	1	20.00
15	"Checkers"	54	5	22	13	126	9	1.787053	12	39.00

# Questions?