FORT SCOTT CORRIDOR

STREETSCAPING GUIDELINES

RECOMMENDATIONS FOR THE RESIDENTIAL CORRIDOR (Orange Street to Main Street)

High St. and Ft. Scott Street

Residential corridor streetscaping guidelines

Residential corridor streetscaping guidelines: Section

Residential corridor streetscaping guidelines: Elevation

Based on the previous research a series of steps have been taken to improve the Fort Scott Residential Corridor:

1. The development of wider sidewalks along the edge of Fort Scott.
2. Organized streetscaping guidelines that provide standardization of materials, lighting, and their placement
3. The addition of crossmarks that provide safe walking paths across the street
4. The addition of crossmarks that add visual stimulation to points of interest throughout the city
5. Historical attributes that further enforce Butler's rich historic past
6. Signage development at gateways and points of interest

The above noted information spells out a series of guidelines that the visioning team sees fitting for the city of Butler. Using these guidelines, one would hope that an overall cohesion and organization begins to occur down the city's main corridor of Fort Scott Street. Not only will this aesthetically improve the city and bring in outside travelers, but it will create a social and unified community that every citizen and business can come to appreciate.

SHORT TERM	BEGIN APPLICATION OF MATERIALS AND LANDSCAPING IN THE RESIDENTIAL CORRIDOR
	REPLACE CURRENT LIGHTS ALONG FORT SCOTT WITH NEWLY DESIGNED STREET LIGHTS
	COMPLETE APPLICATION OF STREETSCAPING GUIDELINES ALONG RESIDENTIAL CORRIDOR
MID TERM	ACQUIRE PERIMETER LAND TO WIDEN THE STREET ALONG THE COMMERCIAL CORRIDOR
	BEGIN WIDENING FORT SCOTT STREET
	BEGIN APPLICATION OF MATERIALS AND LANDSCAPING IN THE COMMERCIAL CORRIDOR
LONG TERM	BEGIN ADDITIONS OF CENTRAL AND EDGE MEDIANS
	COMPLETE APPLICATION OF STREETSCAPING GUIDELINES ALONG COMMERCIAL CORRIDOR

Guidelines for Residential Corridor Streetscaping are based on a number of considerations as well. The visioning team first researched a number of precedents in order to gauge standards for an area similar to Butler. After having done so, the city of Butler was studied based on its current implementations. This includes, thier current lights, sidewalks, streets, landscaping guidelines, signage opportunities, etc. A set of guidelines were created based on the projected success of the recommendations.

\FIG_APPENDIX_267_1\

FORT SCOTT CORRIDOR

TRANSPORTATION

Bus size and type for Butler

Electricity adapter on car/bus

BetterPlace charging station

The initial response to public transportation in Butler was overwhelmingly similar: "Butler is too small for a public transportation system." However, there two statements that must be made clear:

1. Public transportation is not confined to large urban areas
2. Public transportation is no longer defined by a loud-diesel bus

Keeping those those two statements in mind, there are several benefits that would specifically influence Butler as a whole:

1. A public transportation system is convenient
2. Frequent use of public transportation is inexpensive
3. Public transportation provides an accessible mode of transportation for students, the elderly, those with disabilities, and low income citizens
4. The use of public transportation dramatically reduces the use of diesel fuel
5. Public transportation increases economic development
6. Public transportation can enable a city to use market forces to increase densities near stations, where most services are located
7. Public transportation enables a city to be more corridor-oriented

RECOMMENDATIONS

Keeping these thoughts in mind application of a public transportation system seemed apparent. After receiving feedback from a number of individuals at the beginning of the process the following proposals have been suggested.

1. SHORT TERM: One Link from HWY 71 to the Square
2. MID TERM (Based on success): One Link from HWY 71 to the Square + intermittent
3. LONG TERM (Based on success): Stops all over the city

The type of transportation is most important in this process because Butler is ready for positive change. The city is not interested in diesel. Rather, it was conveyed that they are interested in something more progressive. Keeping with that nature, the following recommendation has been made: Lithium Ion Battery Powered Trollies. These trolleys would be powered by electricity. Companies are seeking to find an alternative means to energy use, and through this has begun to develop a battery system that can last for up to 100 miles without recharge. Once a charge is necessary, the battery can either be charged at a station located within several points of the city, or it can be swapped out.

SHORT TERM	BEGIN RESEARCH OF BETTERPLACE APPLICATION
	ESTABLISH ELECTRIC TRANSPORTATION SYSTEM THAT COULD BE PRESENTLY IMPLEMENTED
	ESTABLISH FIRST PHASE OF TRASPORTATION ROUTES
MID TERM	CONVERT TO BETTERPLACE BATTERY OPERATED ELECTRIC PUBLIC TRANSPORTATION
	ESTABLISH SECOND PHASE OF TRANSPORTATION ROUTES
LONG TERM	ESTABLISH THIRD PHASE OF TRANSPORTATION ROUTES
	ESTBALISH BETTERPLACE CHARGING STATIONS IN PLACE OF FILLING STATIONS

In a few years a charging station could be as common as an oil-fuel gas station is today. While there are a few minor setbacks, the visioning team has a great deal of confidence that a system such as this would help make Butler the "better place" that everyone wishes it could be.

\FIG_APPENDIX_267_2\

FORT SCOTT CORRIDOR

SOCIALIZATION

BUTLER TRANSIT HUB AND TRAIN STATION

While it may be difficult to grasp the concept of a train station in the city of Butler in the year 2011, based on rising fuel costs, the visioning committee believes that this skepticism will change. Butler has a prime opportunity to utilize something, which up until now, has been an eyesore in the town. However, with the correct changes it could become the most successful region in the town.

The industrial train overpass is located at the busiest intersection in Butler: Fort Scott Street and Orange Street. This intersection is where the city's two main roads intersect, and, consequently, where the largest amount of commercial business is already built up.

Loading deck atop train station

Interior view from train

Transportation hub

Interior view from transportation hub

Transportation hub

The images above depict a possible solution regarding the implementation of a train station in the city of Butler. The Visioning Committee has deduced, based on sprawl and population patterns in conjunction with rising gas prices, that the addition of a passenger rail system would greatly benefit the city of Butler. The central location of the city within the state makes it the perfect location for a stop, while the central location of the overpass gives the city a means create a stop. Transportation will be subject to change in the next five to ten years. It is up to Butler to take advantage of the opportunities the change presents to the city.

SHORT TERM	BEGIN SURVEY OF LAND SURROUNDING THE RAIL OVERPASS SPANNING OVER FORT SCOTT STREET
	WIDEN RAIL OVERPASS SPANNING OVER FORT SCOTT STREET
	BEGIN APPLICATION OF TRANSIT ORIENTED RECOMMENDATIONS
	RAISE THE OVERPASS SPANNING OVER FORT SCOTT STREET
MID TERM	ADD SIGNAGE AND MATERIALS TO THE FACADE OF THE NEWLY RENOVATED RAIL OVERPASS
	WORK WITH THE STATE OF MISSOURI TO ESTABLISH A PASSENGER RAIL SYSTEM THROUGH BUTLER
LONG TERM	BEGIN CONSTRUCTION OF TRANSIT HUB WITHIN THE CURRENT RAIL OVERPASS
	COMPLETE APPLICATION OF TRANSIT ORIENTED RECOMMENDATIONS
	COMPLETE TRANIT HUB AND UTILIZE AS PASSENGER RAIL TRANSPORTATION SYSTEM

As noted earlier, the visioning committee is aware that a concept such as this is slightly harder to grasp due to its extended timeline of production. It cannot happen instantaneously and will take a great deal of effort and funding from private and public sources, but nonetheless, the eventual benefits will be long-lasting and profitable to the city of Butler and its future social and economic state.

\FIG_APPENDIX_267_3\

FORT SCOTT CORRIDOR

If the addition of a public transportation system could have that much impact, what kind of impact could it have on a society from a holistic approach?

The answer: Implement Transit Oriented Development. "Transit-oriented development (TOD) is compact, mixed-use development near transit facilities and high-quality walking environments. TOD is about creating sustainable communities where people of all ages and incomes have transportation and housing choices, increasing location efficiency where people can walk, bike and take transit."

WHAT COULD THIS PROVIDE BUTLER AND ITS CITIZENS?
1. Additional time to complete other tasks that they previously would not have had the opportunity to complete while operating a vehicle
2. Money saving options
3. A controlled way to get from point A to point B
4. Higher, more stable property values due to increased revenue
5. Increased foot traffic and customers for area businesses
6. Provides a rich mix of housing, shopping and transportation choices.

Example TOD

Example TOD

Example TOD

Example TOD

Density of Square

Density of Orange and Ft. Scott

Density of Orange and Ft. Scott after T.O.D.

THE PROCESS
1.Walkable design
2. Train station as prominent feature
3. A regional node containing a mixture of uses
4.High density, high-quality development within 10-minute walk of transit hub
5. Support transit systems
6. Designed to include the easy use of bicycles, scooters, and rollerblades as daily support transportation systems
7. Reduced and managed parking

DEVELOPMENT OF A TRAIN STATION IN BUTLER: located at the intersection of Orange Street and Fort Scott Street

FIGURE A: Widen the overpass to create a safe and walkable path

FIGURE B: Apply aesthetic beautification to the bridge city

FIGURE C: Integrate a train station that operates under overpass

How must Butler develop such a large scale idea?

Step 1: (Refer to FIGURE A)

Step 2: Raise the overpass about 1.5 feet at a steady slope in order to assure large vehicles clearance when passing underneath. This also minimizes the disconnect that the current overpass creates between the two zones of Fort Scott Street.

Step 3: (Refer to FIGURE B)

Step 4: Work with the state of the Missouri to utilize the passenger rail system that connects to part of Missouri such as Kansas City and Saint Louis within Butler. The rail is already present; the system just has to be integrated.

Step 5: (FIGURE C) It utilizes a form that has already been constructed and is located centrally in the town to utilize thecomponents of Transit Oriented Development.

SOCIALIZATION

The steps noted above are simplified examples of the steps that need to occur in order to make this transition.

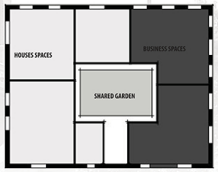
\FIG_APPENDIX_268_1\

FORT SCOTT CORRIDOR

Among the many concerns in Butler, one that particularly stands out it what to do with the old Wal Mart. As of recently, these building are now being re used. Some of these ways include houses, lofts, entertainment, and government offices.

The following suggests is the perferred ways in which Butler could utilize the transformation the old Wal-Mart into mixed usehousing:

- Divide the space into a two story building to create more space for housing on one side
- Implement a community garden in the center of the complex, which would be used for growing fruits and vegetable further attaining a self-supportive community
- Provide multiple housing styles to appeal to all members of the community
- Apply softscape, such as trees and flowering plants, to add to the aesthetic value of the building
- Add retail shopping area with in complex on one side
- Divide that side of the building into two level with separated spaces so that it could be utilized by a series of different businesses
- The parking lot in the old wal-mart should remain where it is and need to be soften with the use and trees



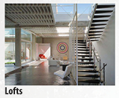
Ways in which the old Wal Mart could be transformed include:

- Add openings to the building such as windows and sky lights.
- Dividing the space into segments so that the space can be used by all age groups.
- Add seating to exterior
- Add vegetation

Ways in which the old Wal Mart could be transformed to Office

- Divide the space into a two story building to create more space for offices.
- Divide the building into mutiple spaces
- Create a shared entrance

OLD WALMART


Lofts

Entertainment

Business Offices

SHORT TERM
- BEGIN SPECULATION OF WAL MART LOCATION
- PURCHASE THE RIGHTS TO THE OLD WAL MART LOCATION AND LAND SURROUNDING THE BUILDING
- BEGIN DEVELOPMENT OF DETERMINING THE NEW SPACE'S FUNCTION

MID TERM
- BEGIN CONSTRUCTION OF NEW DEVELOPMENT BASED ON FUNCTION
- DEVELOP SURROUNDING AREA OF LOCATION TO SUPPORT THE DEVELOPING FUNCTION

LONG TERM
- COMPLETE BUILDING REDEVELOPMENT

If Bulter use the old Walmart and transform it housing options, office space or an entertainment it would increase density, bring population to the commercial area, help with social growth, help economic growth and would also bring the younger generation back in to the city.

\FIG_APPENDIX_268_2\

NORTH COMMUNITY CENTER

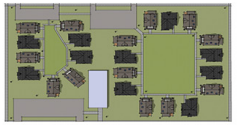
Pocket Neighborhood

A pocket neighborhood will be built across from the community center. It will help raise density around the downtown square and sustainable practices becasuse the more people fit on an acre the less new land needs to be built on.

Since the pocket neighborhood is near the square it would allow people to walk downtown for events, shopping, and dining. Students right out of high school and college who no longer want to live at home would find this the perfect place to live. Since many of the amenities, such as parking, outdoor space, and gardening would be shared between all of the members in the community it would lower the cost and duties of each individual home.

Senior citizens would also benefit from living here. They would be able to be indepent, yet still be social without leaving their home. They could sit on their front porch and visit with their neighbors.

There would be many benefits to this housing facility. Community members have more interaction with their neighbors and it would bring more sustainable aspects to the city and the people in the communities.



POCKET NEIGHBORHOOD

Pocket neighborhoods would have many benefits for the city of Butler. It would provide more options for housing that would satisfy the needs of many age groups. They would increase the sustainable practices of Butler and increas the sense of community. This pocket neighborhood would be a great model for other pocket neighborhoods to pop up throughout Butler.

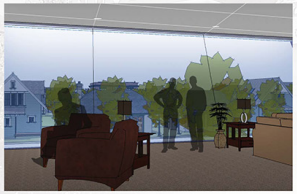
\FIG_APPENDIX_268_3\

NORTH COMMUNITY CENTER

COMMUNITY CENTER

Community Center

One block from the downtown square a community center will be built. This community center will now house the group and organization rooms that are currently in the old high school. The two main functions of the old high school are the thrift shop and the youth center. These two will be moved into their own vacant building on the downtown square. Since these groups are almost always in use it will increase the activity on the downtown square, which would hopefully help bring more businesses and life to the square.



The main building will have two meeting rooms that the groups and organizations can book. There will also be several closet spaces near the meeting rooms where the groups can store anything they need. If there is a larger function both meeting rooms have moveable partition walls that can be pushed to the sides to open the spaces up completely so that the top floor can be booked for a single function such as a wedding reception or workshop.

The bottom floor of the community center there is a studio room that could be used from this such as dance and yoga classes to martial arts.

The community center will be split into three parts, the main building, the thrift shop downtown, and the youth center downtown. Moving these spaces out of the old high school would allow the high school to be renovated. The main building of the community center would also allow the community to have a place to meet as well as hang out and relax.

\FIG_APPENDIX_269_1\

NORTH COMMUNITY CENTER

RENOVATE HIGH SCHOOL FOR HOUSING

The Old High School

Currently many groups and organizations have spaces in the old high school which they either use as a meeting space or simply a storage space. To renovate the high school these spaces are being moved to either the downtown area into vacant buildings or into the new community center, two blocks away from the old high school.

The senior center in town is not in a good location for many people so they have a hard time getting there. If it were to be moved into the bottom floor of the old high school it would be closer to the center of Butler which would hopefully make it easier for the senior citizens to get there. This move also provides more space for the senior center so that more activity spaces can house games and more entertainment for the senior citizens in Butler. The top two floors of the old high school would be renovated into loft spaces for the senior citizens to live in. By turning this space into housing it brings the seniors closer to the downtown square so they would have easier access to all the amenities that are downtown. For those not living in the lofts the senior center would still have a taxi service to help bring seniors who do not live in the lofts or close enough to the center to make it there themselves.

SHORT TERM
- MOVE THE YOUTH CENTER AND THRIFT SHOP TO THE DOWNTOWN SQUARE
  REFER TO PG. XX
- BUILD A COMMUNITY CENTER NEAR THE DOWNTOWN SQUARE
  REFER TO PG. XX
- BUILDING A POCKET NEIGHBORHOOD
  REFER TO PG. XX

MID TERM
- BEGIN TO RENOVATE THE OLD HIGH SCHOOL
  REFER TO PG. XX

LONG TERM

The spaces currently in the old high school would be moved to other buildings to allow it to be renovated. The building would then be renovated into both a new senior center as well as loft housing for many senior citizens in Butler. This would be an easier place for them to live because they could be independent without having to deal with yard work like they do if they had a house.

\FIG_APPENDIX_269_2\

RECREATION CENTER

DETAILED PROPOSAL

RECREATION CENTER OVERVIEW

The community of Butler has strongly emphisized their need for a recreation center. The community vision committee and the residents of Butler have both given us imput on what Butler is lacking and what the town needs to bring the community together and also what the towns needs to allow for future growth.

After multiple workshops with the committee, schools and residents of Butler we have come to the conclusion that Butler needs a recreation center, for high school swim meets, community interaction and meeting space.

BASKETBALL COURTS

SIZE: 84" Long X 42' Wide. 7000-8000 square feet with seating.

RECREATION/LAP POOL

SIZE: 25-30 Square feet per person. Recreation pool space 12000-15000 square feet

INDOOR TRACK

SIZE: Average indoor track 200 meters long.

FITNESS CENTER/ WEIGHT ROOM

SIZE: 25-30 Square feet per person. 4000-4500 square feet.

CLASS ROOMS

SIZE: 7.2 Square feet per seat. 1500-2000 square feet.

CAFE + JUICE BAR

SIZE: 12 Square feet per person inlcuding tables and chairs, 4000 square feet

AMPHITHEATER

SIZE:15-17 Square feet per person. 300-500 square foot theater

SOCCER FIELDS

SIZE: 90-120 Meters long X 45-90 meters wide.

BASEBALL FIELDS

SIZE: 6700-8400 square feet

POCKET PARKS

SIZE: With Multiple parks each with an average of 300-500 square feet.

CUMMUNITY GARDENS

SIZE: 2000-3000 square feet for a varity of vegetables.

Note: This board gives a general overview of the program for the proposed Recreation Center

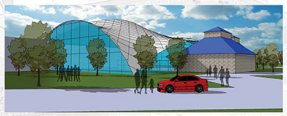
\FIG_APPENDIX_269_3\

RECREATION CENTER

PROPOSAL ONE

RECREATIONAL CENTER

A recreational center will be added onto the existing aquatic center. This was done to utilize a pre-existing facility. Also the area allows for further expansion, if nessessary.



AQUATIC CENTER

A tensile roof will be added to the existing aquatic center. This will transform the facility into an indoor/ outdoor facility and will allow the pool to stay open year round.

INDOOR SOCCER

An indoor soccer field was incorportated into this design to go with the overall feel of the recreational complex. The field will be located in the gym of the recreational center. The artifical turf can be rolled out over the basketball courts and dividers put up to seperate the fields.

ENTRANCE INTO THE RECREATIONAL COMPLEX

This building is located across the street from the recreational center and serves as the entrance to the recreational field on the site. It will house a concession stand, restrooms, and locker rooms.

Note: This is a proposal for a recreation center as an addition to the aquatic center located on the south side of Butler. This proposal also include several different recreational ball fields and an outdoor amphitheater.

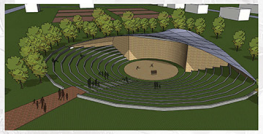
\FIG_APPENDIX_270_1\

RECREATION CENTER

PROPOSAL ONE

RECREATIONAL FIELD

There will be several ball fields located on the site, including, soccer fields, baseball fields, football fields, and open green spaces. There will also be several pocket parks spread throughout the whole site.



OUTDOOR AMPHITHEATER

In this design there will be an outdoor amphitheater located northeast of the aquatic center and new recreational center. This will be a tensile structure and open to the public. It can be used for public concerts, plays, or other performances.

PROS

Adds on to the pre-existing pool, located away from major highway, room for future expansion, tesile structures local; business attracts business

CONS

Located away from the center of town, located far away from new track and football field

PHASING

- Community gardens and pocket parks
- Enclosed pool with tensile structure
- Develop ball fields and entrance buildings
- Develop recreational center addition
- Outdoor aphitheater

SHORT TERM
- COMMUNITY GARDENS
- POCKET PARKS
- ADDITION OF TENSILE STRUCTURE OVER POOL

MID TERM
- BALL FIELDS
- CONCESSIONS BUILDIING FOR RECREATIONAL COMPLEX

LONG TERM
- ADDITION OF RECREATIONAL CENTER ONTO AQUATIC CENTER
- OUTDOOR AMPHITHEATER

Note: This is a proposal for a recreation center as an addition to the aquatic center located on the south side of Butler. This proposal also include several different recreational ball fields and an outdoor amphitheater.

\FIG_APPENDIX_270_2\

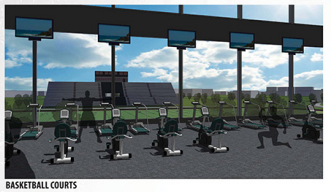
RECREATION CENTER

PROPOSAL TWO

NORTH WEST PERSPECTIVE

INDOOR RECREATION POOL

FITNESS CENTER



BASKETBALL COURTS

INTRODUCTION

This is a proposal for a recreation center located at Orange and Nursery Street. The reason for this location is because there is a new track and football field being constructed in this location. By placing a community center next to the new track and field the community and the local schools would benefit from the facility. This would bring the community together at one location near the center of town.

Another benefit to this location is that this is the biggest vacant plot of land in the center of the city. Therefore there would be no need for demolition if a recreation center would be constructed on this site.

RECREATION SIDE

The east side of the recreation center will be the activities side of the center. By keeping these spaces on the east side of the building it will give students a safer place for indoor and outdoor recreation away from the main roads. This will allow for the west side of the building to be oriented for class space; keeping the educational separate from recreational.

Connecting these spaces will be the main corridor. This space will be the axes/opening from the corner of Orange and Nursery to the football field. This corridor will also have a cafe/ juice bar for all members to enjoy.

This location may not seem to be the best place to build a 50,000-70,000 square foot building. But in actuality it is the best location based off what Butler's vision is for the next 30 years. Butler's main concentration is to bring focus back to the heart of town and to also increase the density of the city. A building of this size on a lot this large is great for the town of Butler. It will bring the community closer together and create greater opportunities for the community to get involved.

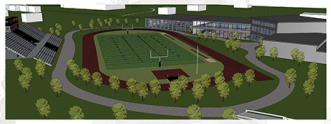
Note: This is a proposal for a recreation center at Orange and Nursery Street. This building would have a connection to the hospital nursing home and high school providing a campus like experience for the community.

\FIG_APPENDIX_270_3\

PROPOSAL TWO

RECREATION CENTER

SOUTH EAST PERSPECTIVE



FIRST FLOOR DIAGRAM

SECOND FLOOR DIAGRAM

SITE PLAN

- NURSERY STREET
- ORANGE STREET
- RECREATION CENTER
- HIGH SCHOOL
- HOSPITAL
- NURSING HOME
- PARK
- PEDESTRIAN WALKWAY
- CONNECTION TO TRANS PORTAION HUB

LIST OF SPACES

FIRST FLOOR

Basketball courts
Indoor recreation pool
Indoor lap pool
Locker rooms
Class rooms
Community meeting space.

SECOND FLOOR

Indoor track
Fitness center
Kids area
Green space/garden
Class rooms

PROS

The facility is near the new track and football field, the hospital, high school and nursing home, vacant land is used, close to the highway, cross walk adds signage into Butler, and it is closer to the center of Butler.

CONS

On a busy street (Orange Street), little room for expansion, Located away from the aquatic center, soccer and baseball fields.

CONCLUSION

By building a recreation center on this site, you would be allowing a safe place closer to the center of town for students to attend after school. It would also create more after school activities for students providing them with more sports indoors and outdoors year around. The recreation center would also be connected directly to the high school allowing safe access to and from the school during and after hours.

Also the recreation center would be connected to the nursing home and hospital giving members an easy way to travel to and from the recreation center without driving and trying to find a parking spot.

Overall by building the recreation center in this location it would rejoin the community for a brighter and better future.

SHORT TERM
- TRACK AND FOOTBALL FIELD
- POCKET PARK NEAR NURSING HOME AND HOSPITAL
- GARDEN NEAR NURSING HOME
- SMALL WALKING TRAIL AROUND NEW TRACK CONNECTING TO THE NURSING HOME

MID TERM
- EXTENDING WALKING TRAIL TO HOSPITAL AND HIGH SCHOOL
- PEDESTRIAN FOOT BRIDGE OVER ORANGE ST
- EXPANDING PARKS AND GARDENS

LONG TERM
- COMMUNITY CENTER

Note: This is a proposal for a recreation center at Orange and Nursery Street. This building would have a connection to the hospital nursing home and high school providing a campus like experience for the community.

\FIG_APPENDIX_271_1\

LOFT APARTMENTS

DOWNTOWN REVITILIZATION

Lofts are prime real estate in the downtown area. Currently, there are perfect opportunities for lofts above the stores that are currently being used as storage. With the implementation of loft spaces, the store owners could either bring in additional income to their property or live above their store. Currently, Butler's downtown is declining. With limited shopping and entertainment opportunities during the day and evening hours, there are few incentives to draw people to the "heart" of Butler. By implementing a more permanent presence, such as housing, in collaboration with other support retail and entertainment entities, the downtown could be renewed as the center of the community.

Open Space in a Loft

Loft Living Space

Lofts are a great place for young professionals to live. Since lofts are usually occupied by multiple persons, the openness of the itnerior spaces create a great interaction among the residents and their guests while at the same time, creating great views to the street below. By attracting young adults and professionals to the downtown area, a much needed spark of renewed life can enliven the heart of the city.
There is a great conveineince to be able to live directly above where you work and also a greater sense of security for the bussiness owners.

Upper Floor Loft

Current second story space

Current second story space

Lofts are all ever increasing economic force and te reewal of city centers. The convenience of living i the city center with shopping, entertainment, and employment opportunities within a short walk, and the added bonus of a visually pleasing apartment with an abundance of space has attracted many young adults, professionals, and retirees to relocate to the city center.

\FIG_APPENDIX_271_2\

SOUTHEAST CORNER

DOWNTOWN REVITALIZATION

URBAN GREENSPACE

Currently there is limited green space on the square, aside from the small patch around the court house. Pocket parks are small green spaces along the street edge that can be used to soften the streetscape and allow for a more natural setting for relaxation and socialization within the area. The green space will provide both a physical and visual connection from Fort Scott to the square. All the proposed recomendations will be ADA accesible as well.

URBAN GREENSPACE FROM SQUARE SIDEWALK

ENTERTAINMENT CENTER

The entertainment center is proposed to go in one of the upper floor in the main buildings on the square. Since most of the upper spaces will be used as lofts, this will be a good addition to bring people to the square, and increase the presence of the younger generation within the heart of the city by having an activity center by lofts and the city center.

URBAN GREENSPACE FROM FORT SCOTT

POLICE STATION RELOCATION

The police station is currently positioned by the old high school. The facility, according to police officers, is an acceptable size. It is recommended that the police station be relocated to the downtown square area, so it is closer to the government. Also, moving the police station downtown contributes to the overall security of the downtown atmosphere. More people are susceptible to come to the square at night if they know they are safe from the unexpected.

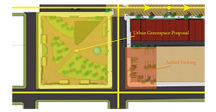
Since the police station obviously works in conjunction quite frequently with the courthouse and the county jail, moving the police station to the downtown square is creating a large amount of convenience for the officer's of the Butler community. Daily visits to the court house and county jail are common amongst police officers. Fortunately, these daily visits are no longer a visit in a car, but can now be a relaxing five minute walk. Also, no longer do they have to worry about transporting the offenders in a car, they can now walk them from point A to point B.

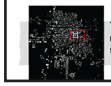
URBAN GREENSPAC E

PARKING

The current parking situation in the downtown Butler area is complicated and extensive. There are three rows of parking around the square. There are currently no sidewalks surrounding the inside of the square. The proposed parking situation is to remove the extra row of parking and to extend the green space, along with incorporating a sidewalk with the nodes. It is recommended to retain the current brick pavers in the square to retain the historic aspect of the square, but it is also recommended to clean or repair the bricks. The parking will still retain the directionality that the angled parking provides, but also will let outside traffic flow into the city center. Repainting the parking lines will also create a better designation for parking as well. The parking will also house the farmers market which will bring farmers from around the community to sell their goods locally. The farmers would have a space to park their truck, and to set up a tent to allow shoppers to walk the streets and purchase their goods. Parking was omitted from the square, but that was done in hopes of people walking within their small community, promote healthy habits, and prevents excess CO2 emissions from vehicles.

POLICE STATION RELOCATION





The southeast corner is important to the downtown redevelopment because it is the key to visual and physical connextion with the major Fort Scott street and the square. Implementing buildings and a space where people will dwell in and visit is of utmost importance as well.

\FIG_APPENDIX_271_3\

DOWNTOWN REVITILIZATION

STREETSCAPING

STREETSCAPE RECOMMENDATIONS

By renovating the facades of buildings, fixing the streets and adding soft-scape to the sidewalks, the beauty of the city center will be significantly improved.

Lighting

The traditional light post is the icon of Butler. The traditional light should be implemented along the streets and downtown square throughout the city center. The lights will give Butler a distinct charachther that further reinforces the cities' identity as the "city of lights". Lighting adds aesthetics and creates a safer environment which helps to bring more night life into the city center.

Vegetation

The consideration of the vegetation in every design developed within the community is of great importance. Aside from the urban greenspace located at the southeast corner of the downtown square, vegetation is recommended to be implemented along all street edges. Benefits of vegeatation within a city include:

1. Emotional and physical health increase.
2. Draw new bussiness to a more aesthetically pleasing downtown.
3. Attracts visitors and encourages them to stay longer.
4. Produces shade for buildings, which in turn produces a lower energy cost.
5. Increased property value.
6. Reduces noise, glare, and temperatures.
7. Provides oxygen and better air quality in the area.

Sidewalks

Sidewalks should be full of social activity. They must be constructed wide enough to accomodate trees, lightpoles, benches, pedestrian traffic and outdoor cafe seating. Recomended the total width of the sidewalk to be 15-20 feet wide.

Seating

Seating is possibly one of the most important keys to making a city center successful. Seating allows shoppers to take a break from walking, to socialize, and to appreciate the area. With the decreased parking around the square, more people will walk to work and to shop in the square, thus making benches more popular.

Waste Management

Waste managment is an issue in all city centers. Dumpsters are often left out in open sight. Wooden fencing should be placed around the dumpster for asthetic reasons. Trash bins are recomended to be placed on the sidewalks to prevent literring.

Signage

Signage is the key to the success of any City Center. Signage directs traffic to their destination, advertises stores, and provides order and classify in the area.

Classic Lightpoles to be implemented

Use of vegetation and green space

Use of hardscaping with softscaping

New Sidewalk around the Courthouse

Seating around the square

Trash Bin

Signage

Streetscaping is important to any community. It provides guidelines for the use and aesthetic of the street corridor. Streetscaping includes such issue as vegetation, materials, street furniture, signage, lighting, parking, seatings, awnings, facades, etc.

\FIG_APPENDIX_272_1\

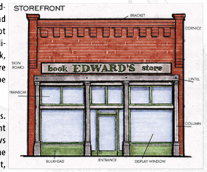
DOWNTOWN REVITILIZATION

FACADE GUIDELINES

FACADE RENOVATIONS

Façade renovations should be completed with similar guidelines as the D.R.E.A.M Initiative or Vision 20/20 as precedents of successful town square renovations. Currently the buildings range from one story to two-story buildings with offices and stores on the first floor, while storage on the second floors. The storage should eventually turn into loft apartments because not only will it provide additional living space in the square, but also bring in additional income for the store owners. Many of the buildings are made of brick, while others have stucco and some metal features. There are windows that are boarded up, which for the appearance of a successful downtown, should to be replaced with glass.

Storefronts- The storefronts on the square have transparent first stories. There are some that have smaller industrial sized windows instead storefront would removing the smaller windows and replacing the storefront windows making it more inviting streetscape by promoting the downtown area. The storefronts should create a seamless flow, from one business to the next, while visually connecting the sidewalk to the business as well.



Butler's boarded up windows

AWNINGS

Awnings are a very important aspect in the downtown. They provide shade, and also a place for signage. The shade from the awnings helps to lower the energy cost of the building while beautifying the storefront. By incorporating awnings on the facades, an overall cohesion would be created in the city center.

Example of a succesful awning

CLEANING AND REPAIR

The brickwork on the square is dirty, cracking, or falling apart. Discretion should be made while deciding whether facades should be repaired, replaced, or cleaned. Only professionals should work on the facades. Pressurized water and acid washings are the most common methods used for brick restoration. Acid washing uses chemicals to strip away at paint that has been applied to brick, however this is an extremely difficult task and requires a professional. Sandblasting is an option but it should not be used on historic brick because it actually wears down the brick and removes any weak particles. Mortar replacement options should be carefully considered because new mortar compounds could ruin old brick. Wood should be carefully scraped of paint, primed, and then repainted.

Side of a brick building in the square

Facade renovations must follow strict guidelines in order to assure that all facades in the downtown express the proper charachter and detail of their historic period and context.

\FIG_APPENDIX_272_2\

DOWNTOWN REVITILIZATION

FARMERS MARKET

FARMERS MARKET

Farmers markets promote community development by introducing a public gathering space for local farmers to trade and sell agricultural produce. Local pride would be implemented as well, giving back the sense of pride to Butler along with being deemed the "Electric City". To further promote the farmer's market, music, entertainment and other festivities will be facilitated on Saturdays or Sundays when the market is being held. Ideas of implementing the farmers market in the southeast greenspace occurred, but the space would have to accommodate the cars which would take away from the current green area. A consolidated idea is to place the farmers market in the middle of the square on the street. The trucks will come in with tents, park their vehicles in a parallel parking fashion and set up their tent. Consumers would walk the streets on a weekend when the market is open, and purchase their local goods from local farmers, boosting the local economy.

Community Garden- To help boost the enthusiasm for the market, community gardens should be placed around the square and by the community center. The main community garden will be located where the current police station is. It is recommended not to have a fence around the garden, because even though it would deter trespassers, it goes against being a community garden. The garden will have trees around it for shade, and also include benches for relaxing. Studies have shown that communities with community gardens improved social relations resulting in a decrease in crime and vandalism.

Farmers Market

Example of a Successful Farmers Market

COMMUNITY GARDEN

Community gardens are a great way for the residents of Butler to give back to the community. It encounters the reisdents to interact with one another through teamwork and group collaboration. These community gardens could be located along major roads, underdeveloped plots of land, street corner, etc; which create a great break from the abundance of hardscape in the city. The goods that are grown in the garden could also have a great effect on the farmers market and the variety/quality of the goods sold at the farmer's markets.

Community Garden

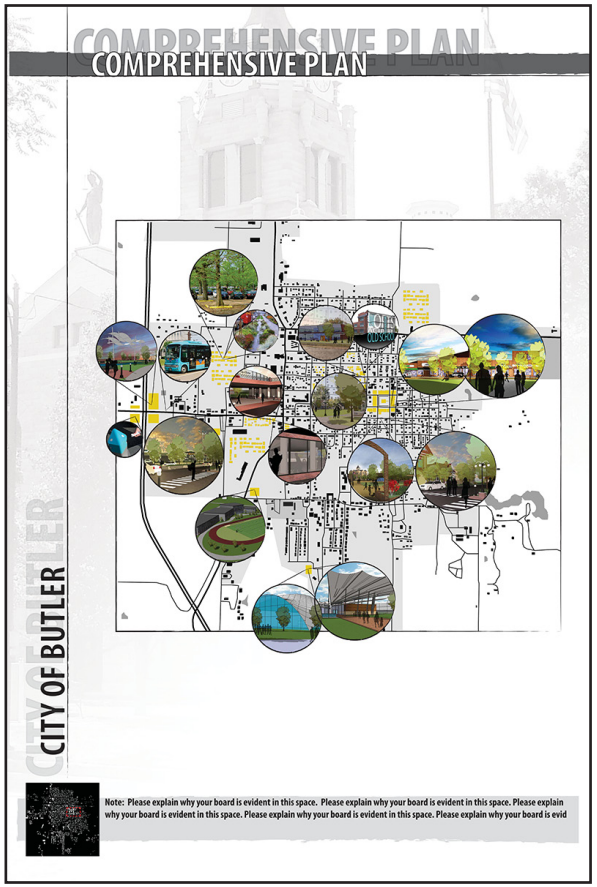
Community Garden

Community gardens are also a great step towards sustainability and the overall beautification of the community. Greanery and plants are more visualy pleasing to look at than roads, sidewalks and run-down buildings. The community gardens could be maintian by groups and organizations or even the ordinary community member who wants to get outside and help out. Maintining a system like this could ultimately save the city money in a multitude of ways. With the production and consumption of the food grown in these gardens, the community will gain from cheaper, more healthy local foods, job increase for the workers who maintain the gardens and also can be donated to non-profit organizations.

Plan of Market

Greenspace is a very important attraction to vistors, while retaining current residents in the area. The urban greenspace will have public restrooms, which will directly correlate with the benches to keep people within the downtown.

\FIG_APPENDIX_272_3\



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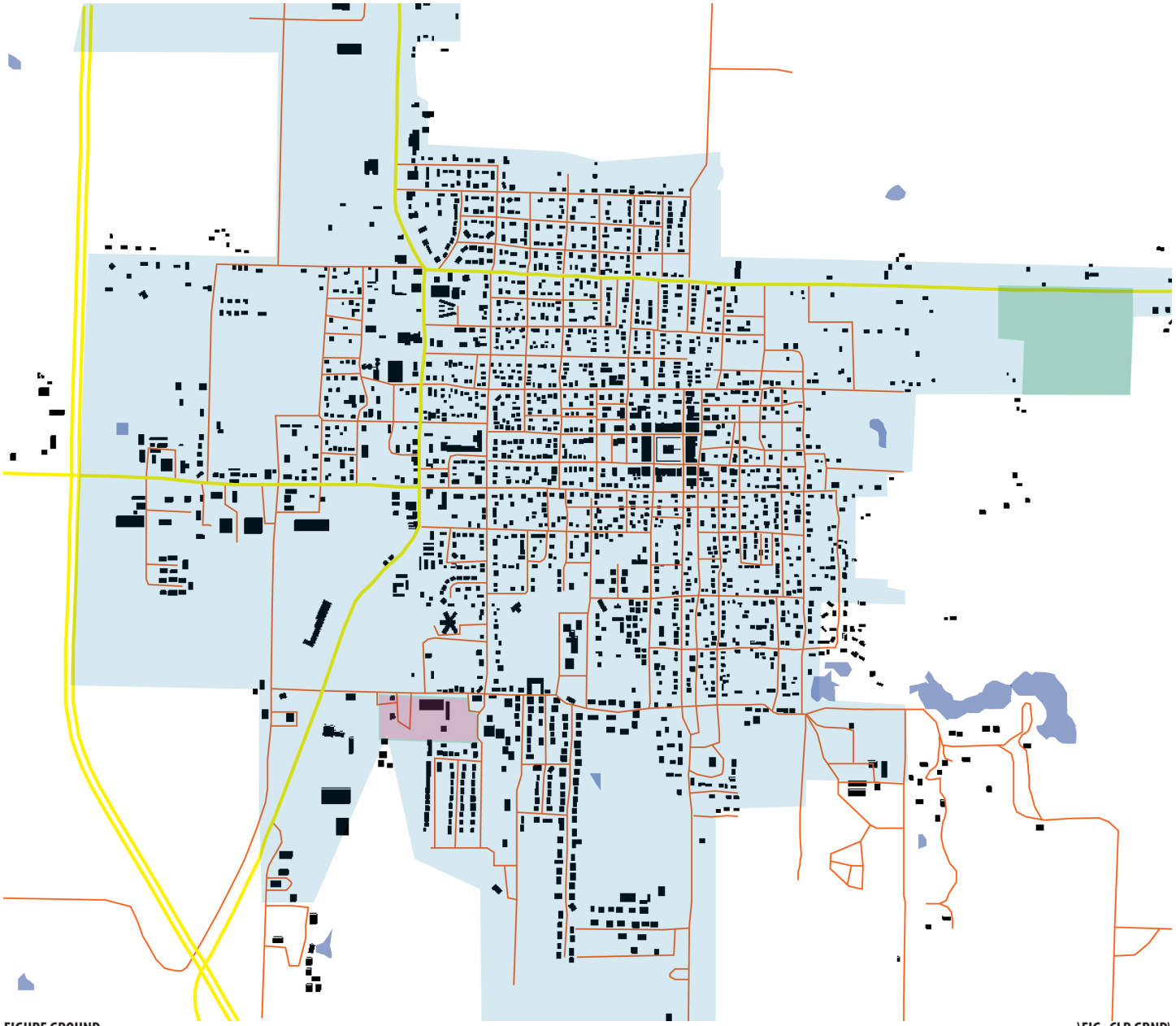

FIGURE GROUND

\FIG_CLR GRND\

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BUTLER 2040
figure reference

\FIG_LOGO\	Jacob Cordonnier
\FIG_DULOGO\	Drury University
\FIG_CCSLOGO\	Drury CCS
\FIG_MOLOGO\	Missouri Extension
\FIG_BUTLERLOGO\	Butler, MO
\FIG_CLRGRND\	Nicole Buerke

INTRODUCTION

\FIG_INTRO_7_1\	Sharron Jones
\FIG_INTRO_8_1\	Michaela Slama
\FIG_INTRO_8_2\	Michaela Slama
\FIG_INTRO_8_3\	Michaela Slama
\FIG_INTRO_9_1\	Michaela Slama

EXECUTIVE SUMMARY

\FIG_EXEC_12_1\	http://www.build-california.com/adx/aspx/adxGetMedia.aspx?DocID=22,4,1,Documents&MediaID=211&Filename=MacArthur+BART+Rendering.jpg
\FIG_EXEC_12_2\	http://chescopagreen.org/images/practice/HousingOpps.jpg
\FIG_EXEC_14_ 1\	http://farm3.static.flickr.com/2407/2087191582_7391e5ee59.jpg
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\FIG_EXEC_16_1\	http://www.the-ark.org/wp-content/uploads/2011/08/Sustainable-Design-3.jpg
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\FIG_EXEC_22_2\	Michaela Slama
\FIG_EXEC_24_1\	sdfa http://upload.wikimedia.org/wikipedia/commons/f/f7/Dartmouth_College_campus_2007-06-23_Alumni_Gymnasium_03.JPG
\FIG_EXEC_24_2\	http://www.spiezle.com/graphics/portfolio/Academic_Rutgers-College-Avenue-Gymnasium-Renovation_03_thumb.jpg
\FIG_EXEC_26_1\	Michaela Slama

\FIG_EXEC_26_2\	http://synthesis-architects.com/LA/STR/state0/index.html
\FIG_EXEC_28_1\	Colton Todd
\FIG_EXEC_28_2\	Anya Fernander

COMPREHENSIVE RECOMMENDATION

\FIG_COMP_32_1\	http://www.contentrules.com/images/Working-Together-Small.jpg
\FIG_COMP_32_2\	http://www.netrootz.com/images/groups/group_207/45E_bigstockphoto_Working_Together_2300468%5B1%5DMA17744489-0010.jpg
\FIG_COMP_32_3\	http://socialmediaforsmartpeople.com/wp-content/uploads/2011/04/community5.jpg
\FIG_COMP_32_4\	http://covalent.us/covalent/media/covalentlibrary/phase_process_1.png
\FIG_COMP_33_1\	Nate Hay and Colton Todd
\FIG_COMP_34_1\	Nicole Buerke

DETAILED PROPOSAL

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\FIG_DEPRL_62_3\ http://www.paradigmroofs.com/uploads/images/Standing%20Seam%20Roofing.JPG

\FIG_DEPRL_62_4\ http://greenarchitecturenotes.com/wordpress/wp-content/uploads/2009/04/11-living-roof-detail-green-roof.jpg

\FIG_DEPRL_63_\ http://www.your-solar-energy-home.com/images/Solar_panels_on_house_roof.jpg

\FIG_DEPRL_63_2\ Limited Impact Development, Book

\FIG_DEPRL_63_3\ Limited Impact Development, Book

\FIG_DEPRL_63_1\ Limited Impact Development, Book

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\FIG_DEPRL_66_2\ Limited Impact Development, Book

\FIG_DEPRL_66_3\ Limited Impact Development, Book

\FIG_DEPRL_67_1\ Limited Impact Development, Book

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figure reference

\FIG_DEPRL_82_4\	Anya Fernander and Nicole Buerke
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\FIG_DEPRL_84_3\	Anya Fernander
\FIG_DEPRL_84_4\	Nicole Buerke
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\FIG_DEPRL_86_1\	Anya Fernander and Nicole Buerke
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\FIG_DEPRL_93_1\	http://venturebeatprofiles.com/ugenimage/logo/company_2901/67739.png
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\FIG_DEPRL_99_2\ Anya Fernander and Nicole Buerke

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\FIG_DEPRL_100_4\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_101_1\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_101_2\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_102_1\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_102_2\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_102_3\ Anya Fernander and Nicole Buerke

\FIG_DEPRL_102_4\ Anya Fernander and Nicole Buerke

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\FIG_DEPRL_110_3\	Michaela Slama and Nick Beishir
\FIG_DEPRL_111_1\	Michaela Slama and Nick Beishir
\FIG_DEPRL_111_2\	Michaela Slama and Nick Beishir
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\FIG_DEPRL_112_2\	Michaela Slama
\FIG_DEPRL_112_3\	Michaela Slama and Nick Beishir
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\FIG_DEPRL_115_1\	Michaela Slama and Nick Beishir
\FIG_DEPRL_115_2\	Michaela Slama and Nick Beishir
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\FIG_DEPRL_116_5\ Michaela Slama and Nick Beishir

\FIG_DEPRL_117_1\ Michaela Slama and Nick Beishir

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\FIG_DEPRL_119_1\ Michaela Slama and Nick Beishir

\FIG_DEPRL_120_1\ Nick Beishir

\FIG_DEPRL_120_2\ Michaela Slama

\FIG_DEPRL_120_3\ Michaela Slama and Nick Beishir

\FIG_DEPRL_121_1\ Michaela Slama and Nick Beishir

\FIG_DEPRL_122_1\ Michaela Slama

\FIG_DEPRL_122_2\ Michaela Slama

\FIG_DEPRL_122_3\ Michaela Slama and Nick Beishir

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\FIG_DEPRL_138_2\	http://travelerfolio.com/tf2/photos/2009/11/indoor-soccer-stadium.jpg
\FIG_DEPRL_138_3\	Nate Hay and Brandon Hoch
\FIG_DEPRL_138_4\	Nate Hay and Brandon Hoch
\FIG_DEPRL_139_1\	Nate Hay and Brandon Hoch
\FIG_DEPRL_139_2\	Nate Hay and Brandon Hoch
\FIG_DEPRL_140_1\	http://www.almightydad.com/wp-content/uploads/2010/09/large_wisnerbike.jpg
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\FIG_DEPRL_140_4\	Nate Hay and Brandon Hoch
\FIG_DEPRL_140_5\	Nate Hay and Brandon Hoch
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\FIG_DEPRL_142_2\	http://omahamidcenturymodern.blogsome.com/images/Copy%20of%202006%20Bridge%20NW%20close%20up.JPG
\FIG_DEPRL_142_3\	Nate Hay and Brandon Hoch
\FIG_DEPRL_143_1\	Nate Hay and Brandon Hoch
\FIG_DEPRL_143_2\	Nate Hay and Brandon Hoch
\FIG_DEPRL_143_3\	Nate Hay and Brandon Hoch
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\FIG_DEPRL_144_3\	Nate Hay and Brandon Hoch
\FIG_DEPRL_145_1\	Nate Hay and Brandon Hoch
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\FIG_DEPRL_148_1\	Anya Fernander
\FIG_DEPRL_148_2\	Nick Beishir
\FIG_DEPRL_148_3\	Pat Jankowicz and Colton Todd
\FIG_DEPRL_148_4\	Pat Jankowicz and Colton Todd
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\FIG_DEPRL_153_1\ Pat Jankowicz and Colton Todd

\FIG_DEPRL_153_2\ Pat Jankowicz and Colton Todd

\FIG_DEPRL_154_1\ dfghdfghdfh

\FIG_DEPRL_154_2\ dfghdfghdfh

\FIG_DEPRL_154_3\ Pat Jankowicz and Colton Todd

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\FIG_DEPRL_159_2\ Pat Jankowicz and Colton Todd

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\FIG_DEPRL_168_2\ Pat Jankowicz and Colton Todd

\FIG_DEPRL_168_3\ Anya Fernander

\FIG_DEPRL_168_4\ Pat Jankowicz and Colton Todd

\FIG_DEPRL_169_1\ Pat Jankowicz

\FIG_DEPRL_169_2\ Pat Jankowicz and Colton Todd

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\FIG_DEPRL_169_4\ Pat Jankowicz and Colton Todd

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\FIG_RESEARCH_184_2\ Brandon Hoch

\FIG_RESEARCH_185_1\ Brandon Hoch

\FIG_RESEARCH_185_2\ Brandon Hoch

\FIG_RESEARCH_186_1\ Jacob Cordonnier

\FIG_RESEARCH_186_2\ Jacob Cordonnier

\FIG_RESEARCH_187_1\ Jacob Cordonnier

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\FIG_RESEARCH_190_2\ http://www.fws.gov/midwest/endangered/img_coll/plants/meadsmi.jpg

\FIG_RESEARCH_190_3\ Michaela Slama

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\FIG_RESEARCH_191_2\ http://www.nbii.gov/portal/server.pt/gateway/PTARGS_0_2_17692_1539_5885_43/http%3B/cbi-lap7.cbi.cr.usgs.gov%3B7097/publishedcontent/publish/geographic/southern_appalachian/sain_species/mammals_carnivores_mustelids_genus_spilogale/eastern_spotted_skunk.jpg

\FIG_RESEARCH_191_3\ http://www.glennbartley.com/naturephotography/GB%20Collection/Warbler%20Gallery/\Cerulean%20Warbler%20-%2003.jpg

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\FIG_RESEARCH_192_2\ http://www.laurelcaverns.com/boy_scouts_logo.jpg

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\FIG_RESEARCH_193_3\ http://www.ccti.us/mvd/pdfs/Newsletter/2010/March/images/american_legion_color_emblem.gif

\FIG_RESEARCH_193_4\ http://www.beashrinernow.com/~/media/BASN/images/roadmap/shriner4.ashx?20100225T0839550959

\FIG_RESEARCH_194_1\ Jacob Cordonnier

\FIG_RESEARCH_194_2\ http://www.nndb.com/people/114/000024042/truman-sm.jpg

\FIG_RESEARCH_194_3\ Michaela Slama

\FIG_RESEARCH_194_4\ Nick Beishir

\FIG_RESEARCH_194_5\ Michaela Slama

\FIG_RESEARCH_194_6\ Michaela Slama

\FIG_RESEARCH_195_1\ Nicole Buerke

\FIG_RESEARCH_195_2\ http://bridgehunter.com/photos/11/23/112346-L.jpg

\FIG_RESEARCH_195_3\ http://lh6.ggpht.com/_ES9XeqNX_cE/Sjak1b5-hSI/AAAAAAAAYRg/zx2nlA9TTbk/1st%20Kansas%20Colored%20Volunteer%20Infantry%20Soldier.jpg

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\FIG_RESEARCH_195_4\ http://3.bp.blogspot.com/-uJJt6Z3P6LQ/TaNaZh_lyMI/AAAAAAAAAFs/_jlfjrTbDlg/s1600/pic+253.jpg
\FIG_RESEARCH_196_1\ Michaela Slama
\FIG_RESEARCH_196_2\ Nicole Buerke
\FIG_RESEARCH_196_3\ Michaela Slama
\FIG_RESEARCH_196_4\ Michaela Slama
\FIG_RESEARCH_196_5\ Michaela Slama
\FIG_RESEARCH_197_1\ Michaela Slama
\FIG_RESEARCH_197_2\ Michaela Slama
\FIG_RESEARCH_197_3\ Nicole Buerke
\FIG_RESEARCH_197_4\ Nicole Buerke
\FIG_RESEARCH_197_5\ Nicole Buerke
\FIG_RESEARCH_197_6\ Nicole Buerke
\FIG_RESEARCH_198_1\ Nick Beishir
\FIG_RESEARCH_198_2\ Nick Beishir
\FIG_RESEARCH_198_3\ Nick Beishir
\FIG_RESEARCH_198_4\ Nick Beishir
\FIG_RESEARCH_199_1\ Nick Beishir
\FIG_RESEARCH_199_2\ Nick Beishir
\FIG_RESEARCH_199_3\ Nick Beishir
\FIG_RESEARCH_199_4\ Nick Beishir
\FIG_RESEARCH_199_5\ Nick Beishir
\FIG_RESEARCH_199_6\ Nick Beishir
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\FIG_RESEARCH_200_2\ http://upload.wikimedia.org/wikipedia/en/thumb/9/97/SFchief.jpg/450px-SFchief.jpg
\FIG_RESEARCH_200_3\ Google Maps/Nathaniel Hay
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\FIG_RESEARCH_201_1\ http://haveflywillfish.files.wordpress.com/2010/07/2010_06_05_2010_grandriver-035.jpg
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\FIG_RESEARCH_203_2\ http://onemorecyclist.files.wordpress.com/2010/07/bike-trail-columbia-river.jpg
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\FIG_RESEARCH_204_1\ http://profile.ak.fbcdn.net/hprofile-ak-snc4/41567_149123038436429_394_n.jpg

\FIG_RESEARCH_204_2\ http://www.activelivingbydesign.org/communities/profiles/columbia-mo

\FIG_RESEARCH_204_3\ http://activelivingdc.webs.com/Alternative%204.JPG

\FIG_RESEARCH_204_4\ http://www.activelivingbydesign.org/communities/profiles/columbia-mo

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\FIG_RESEARCH_208_2\ Google Earth

\FIG_RESEARCH_208_3\ Google Earth

\FIG_RESEARCH_209_1\ Google Earth

\FIG_RESEARCH_209_2\ Google Earth

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\FIG_RESEARCH_216_2\ http://www.patkau.ca/images/goldring_05.jpg

\FIG_RESEARCH_216_3\ http://www10.aeccafe.com/blogs/archshowcase/files/2011/06/goldring_01.jpg

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\FIG_RESEARCH_216_5\ http://www.patkau.ca/images/goldring_04.jpg

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\FIG_RESEARCH_221_3\ http://www.ijdesign.com/blog/Denver-Farmers-Market.jpg

\FIG_RESEARCH_222_1\ Michaela Slama

\FIG_RESEARCH_222_2\ http://www.piercecountyga.org/Transit_files/Van%20003.jpg

\FIG_RESEARCH_222_3\ http://www.fema.gov/mitssdata/image/5309_dsc00405.jpeg

\FIG_RESEARCH_223_1\ http://chescopagreen.org/images/practice/decisions.jpg

\FIG_RESEARCH_224_1\ http://www.panoramio.com/photo/824000

\FIG_RESEARCH_224_2\ Google Earth

\FIG_RESEARCH_224_3\ http://www.smartcommunities.ncat.org/graphics/capechas.jpg

\FIG_RESEARCH_224_4\ Michaela Slama

\FIG_RESEARCH_224_5\ Google Earth

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\FIG_RESEARCH_226_4\	http://4.bp.blogspot.com/-xFaXwCJfZUg/TVcu_SeWS_I/AAAAAAAAACY/gYVG04_QMY0/s1600/Dockside_Green1.jpg
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\FIG_RESEARCH_227_3\	http://www.hacla.org/attachments/wysiwyg/10/JD_ParkAeriala.jpg

APPENDIX FIGURES

\FIG_APPENDIX_230_1\	Vision Team
\FIG_APPENDIX_230_2\	Vision Team
\FIG_APPENDIX_230_3\	Vision Team
\FIG_APPENDIX_230_4\	Vision Team
\FIG_APPENDIX_230_5\	Michaela Slama
\FIG_APPENDIX_230_6\	Patrick Jankowicz
\FIG_APPENDIX_231_1\	Nicole Buerke
\FIG_APPENDIX_231_2\	Nicole Buerke
\FIG_APPENDIX_231_3\	Nicole Buerke
\FIG_APPENDIX_231_4\	Nicole Buerke
\FIG_APPENDIX_231_5\	Nicole Buerke
\FIG_APPENDIX_231_6\	Nicole Buerke
\FIG_APPENDIX_232_1\	Jacob Cordonnier
\FIG_APPENDIX_232_2\	Jacob Cordonnier
\FIG_APPENDIX_232_3\	Jacob Cordonnier
\FIG_APPENDIX_233_1\	Jacob Cordonnier
\FIG_APPENDIX_233_2\	Michaela Slama
\FIG_APPENDIX_233_3\	Patrick Jankowicz
\FIG_APPENDIX_234_1\	Jacob Cordonnie
\FIG_APPENDIX_234_2\	Jacob Cordonnie
\FIG_APPENDIX_234_3\	Michaela Slama
\FIG_APPENDIX_235_1\	Nathaniel Hay
\FIG_APPENDIX_235_2\	Colton Todd
\FIG_APPENDIX_235_3\	Colton Todd
\FIG_APPENDIX_236_1\	Anya Fernander
\FIG_APPENDIX_236_2\	Nicole Buerke
\FIG_APPENDIX_236_3\	Brandon Hoch
\FIG_APPENDIX_237_1\	Brandon Hoch
\FIG_APPENDIX_237_2\	Kyle Yarbrough

figure reference

\FIG_APPENDIX_237_3\	Patrick Jankowicz
\FIG_APPENDIX_238_1\	Anya Fernander
\FIG_APPENDIX_238_2\	Colton Todd
\FIG_APPENDIX_238_3\	Nicole Buerke
\FIG_APPENDIX_239_1\	Nicole Buerke
\FIG_APPENDIX_239_2\	Nathaniel Hay
\FIG_APPENDIX_239_3\	Jacob Cordonnier
\FIG_APPENDIX_240_1\	Michaela Slama
\FIG_APPENDIX_240_2\	Kyle Yarbrough
\FIG_APPENDIX_240_3\	Michaela Slama
\FIG_APPENDIX_241_1\	Nick Beishir
\FIG_APPENDIX_241_2\	Nick Beishir
\FIG_APPENDIX_242_1\	Community Workshop
\FIG_APPENDIX_242_2\	Community Workshop
\FIG_APPENDIX_242_3\	Community Workshop
\FIG_APPENDIX_243_1\	Community Workshop
\FIG_APPENDIX_243_2\	Community Workshop
\FIG_APPENDIX_243_3\	Community Workshop
\FIG_APPENDIX_244_1\	Community Workshop
\FIG_APPENDIX_244_2\	Community Workshop
\FIG_APPENDIX_244_3\	Community Workshop
\FIG_APPENDIX_245_1\	Community Workshop
\FIG_APPENDIX_245_2\	Community Workshop
\FIG_APPENDIX_245_3\	Community Workshop
\FIG_APPENDIX_246_1\	Community Workshop
\FIG_APPENDIX_246_2\	Community Workshop
\FIG_APPENDIX_246_3\	Community Workshop
\FIG_APPENDIX_247_1\	Community Workshop
\FIG_APPENDIX_247_2\	Community Workshop
\FIG_APPENDIX_248_1\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_248_2\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_248_3\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_249_1\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_249_2\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_249_3\	Nicole Buerke/Jacob Cordonnier
\FIG_APPENDIX_250_1\	Nicole Buerke
\FIG_APPENDIX_250_2\	Nicole Buerke/Anya Fernander
\FIG_APPENDIX_250_3\	Nicole Buerke/Anya Fernander
\FIG_APPENDIX_251_1\	Nicole Buerke/Anya Fernander
\FIG_APPENDIX_251_2\	Nicole Buerke/Anya Fernander
\FIG_APPENDIX_251_3\	Jacob Cordonnier
\FIG_APPENDIX_252_1\	Jacob Cordonnier
\FIG_APPENDIX_252_2\	Kyle Yarbrough
\FIG_APPENDIX_252_3\	Kyle Yarbrough

\FIG_APPENDIX_253_1\	Patrick Jankowicz
\FIG_APPENDIX_253_2\	Patrick Jankowicz
\FIG_APPENDIX_253_3\	Colton Todd
\FIG_APPENDIX_254_1\	Patrick Jankowicz/Colton Todd
\FIG_APPENDIX_254_2\	Nick Beishir/Michaela Slama
\FIG_APPENDIX_254_3\	Nick Beishir/Michaela Slama
\FIG_APPENDIX_255_1\	Nick Beishir/Michaela Slama
\FIG_APPENDIX_255_2\	Nathaniel Hay/Brandon Hoch
\FIG_APPENDIX_255_3\	Nathaniel Hay
\FIG_APPENDIX_256_1\	Brandon Hoch
\FIG_APPENDIX_256_2\	Community Workshop
\FIG_APPENDIX_256_3\	Community Workshop
\FIG_APPENDIX_257_1\	Community Workshop
\FIG_APPENDIX_257_2\	Community Workshop
\FIG_APPENDIX_257_3\	Community Workshop
\FIG_APPENDIX_258_1\	Community Workshop
\FIG_APPENDIX_258_2\	Community Workshop
\FIG_APPENDIX_258_3\	Community Workshop
\FIG_APPENDIX_259_1\	Community Workshop
\FIG_APPENDIX_259_2\	Community Workshop
\FIG_APPENDIX_259_3\	Community Workshop
\FIG_APPENDIX_260_1\	Community Workshop
\FIG_APPENDIX_260_2\	Community Workshop
\FIG_APPENDIX_260_3\	Community Workshop
\FIG_APPENDIX_261_1\	Community Workshop
\FIG_APPENDIX_261_2\	Community Workshop
\FIG_APPENDIX_261_3\	Community Workshop
\FIG_APPENDIX_262_1\	Community Workshop
\FIG_APPENDIX_262_2\	Community Workshop
\FIG_APPENDIX_264_1\	Kyle Yarbrough
\FIG_APPENDIX_264_2\	Kyle Yarbrough
\FIG_APPENDIX_264_3\	Kyle Yarbrough
\FIG_APPENDIX_265_1\	Jacob Cordonnier
\FIG_APPENDIX_265_2\	Jacob Cordonnier
\FIG_APPENDIX_265_3\	Jacob Cordonnier
\FIG_APPENDIX_266_1\	Jacob Cordonnier
\FIG_APPENDIX_266_2\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_266_3\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_267_1\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_267_2\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_267_3\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_268_1\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_268_2\	Nicole Buerke/ Anya Fernander
\FIG_APPENDIX_268_3\	Michaela Slama and Nick Beishir

\FIG_APPENDIX_269_1\	Michaela Slama and Nick Beishir
\FIG_APPENDIX_269_2\	Michaela Slama and Nick Beishir
\FIG_APPENDIX_269_3\	Brandon Hoch and Nathaniel Hay
\FIG_APPENDIX_270_1\	Brandon Hoch and Nathaniel Hayr
\FIG_APPENDIX_270_2\	Brandon Hoch and Nathaniel Hay
\FIG_APPENDIX_270_3\	Brandon Hoch and Nathaniel Hay
\FIG_APPENDIX_271_1\	Brandon Hoch and Nathaniel Hay
\FIG_APPENDIX_271_2\	Patrick Jankowicz and Colton Todd
\FIG_APPENDIX_271_3\	Patrick Jankowicz and Colton Todd
\FIG_APPENDIX_272_1\	Patrick Jankowicz and Colton Todd
\FIG_APPENDIX_272_2\	Patrick Jankowicz and Colton Todd
\FIG_APPENDIX_272_3\	Patrick Jankowicz and Colton Todd
\FIG_APPENDIX_273_1\	Nicole Buerke

DRURY LOGO \FIG_DULOGO\

CCS LOGO \FIG_DULOGO\

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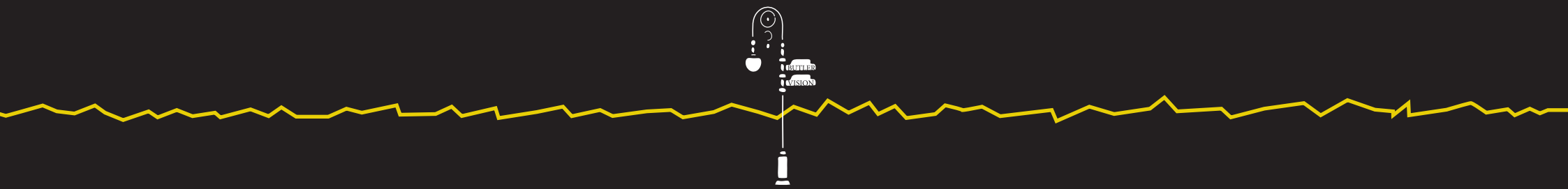

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