sfsarchitecture + CGA architecture planning design

JOPLIN MISSOURI

Joplin Facilities Master Plan

Justice Center Preferred Concept

12 | 04 | 2023

JOPLIN POLICE DEPARTMENT

JOPLIN FIRE DEPARTMENT

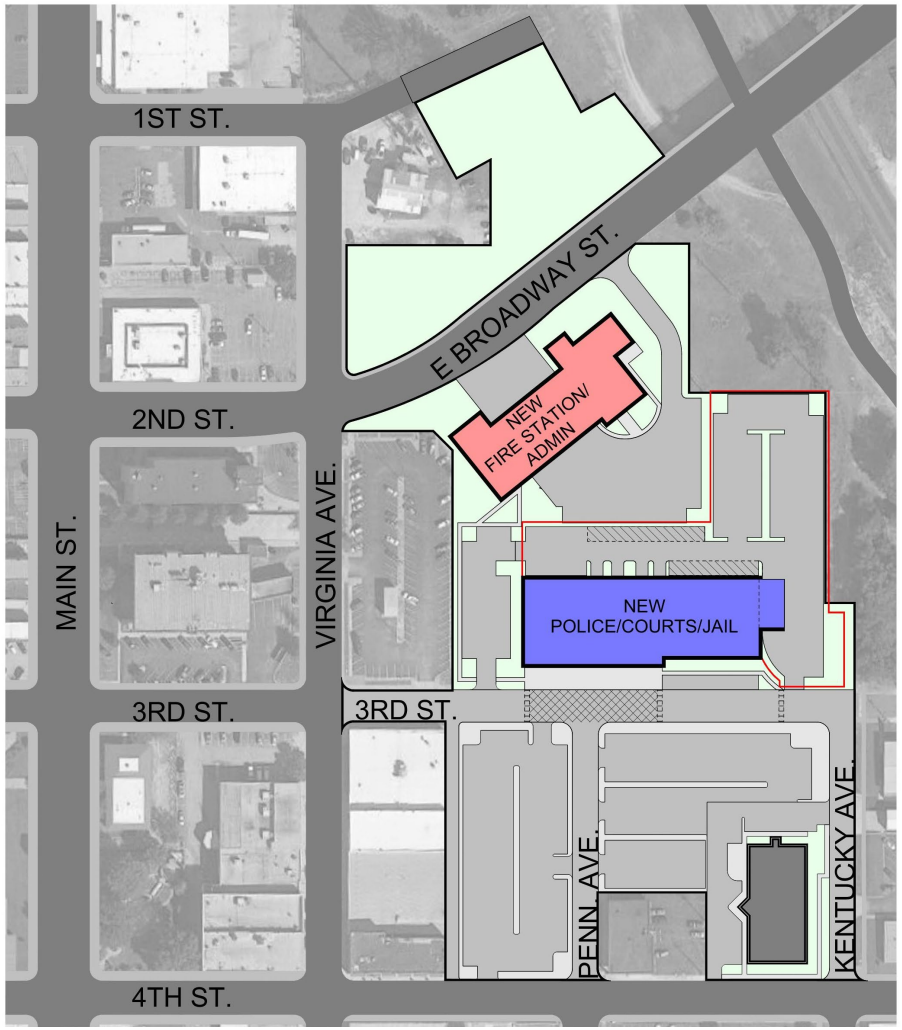
Agenda

- Preferred Option 9 – New Fire Station/New Police & Court building
- Square Footage comparison: Existing vs. Programmed

OPTION 9

NEW FIRE STATION/ NEW POLICE & COURT BUILDING

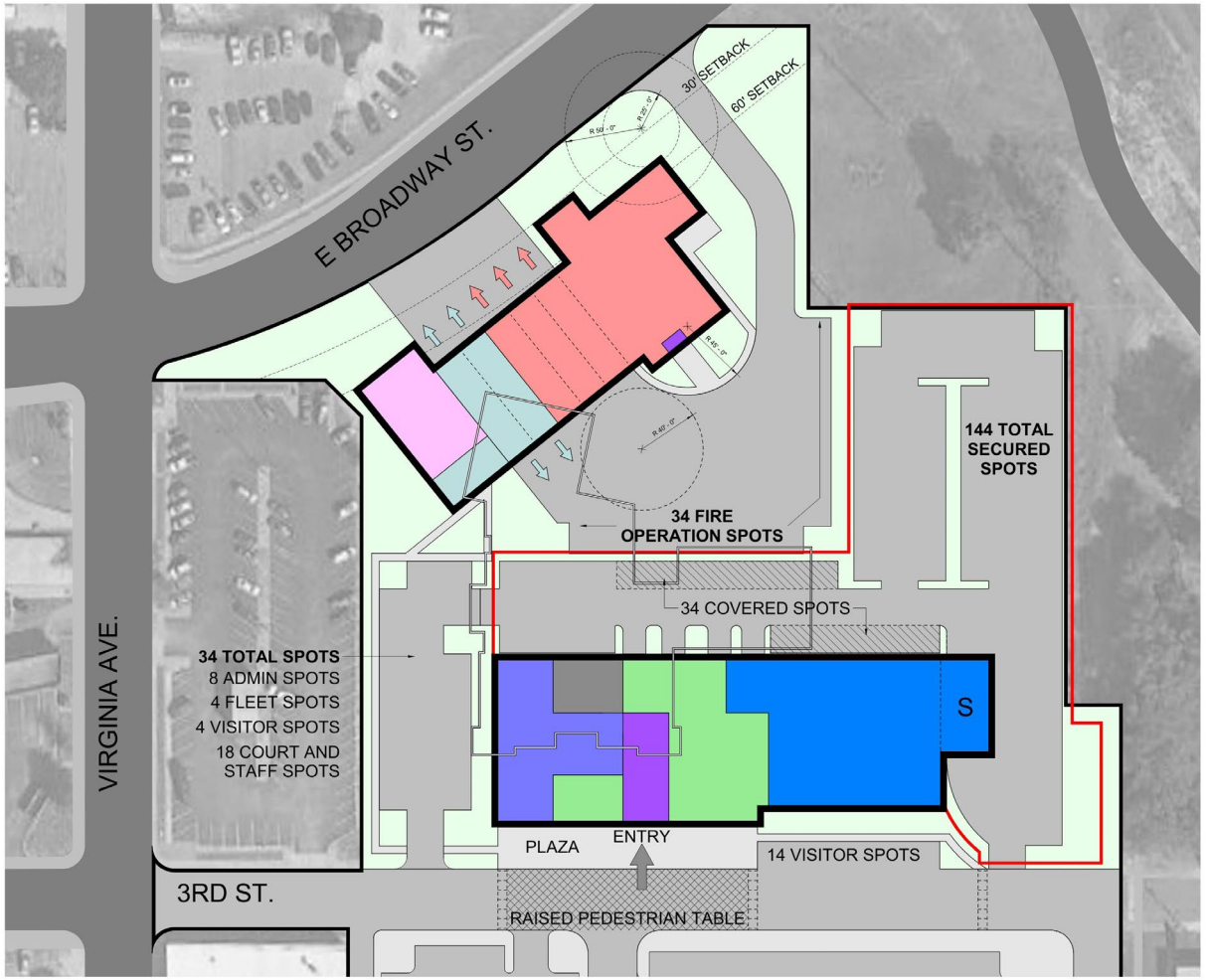
SITE OVERVIEW



OPTION 9

NEW FIRE STATION/ NEW POLICE & COURT BUILDING

SITE PLAN - FIRE



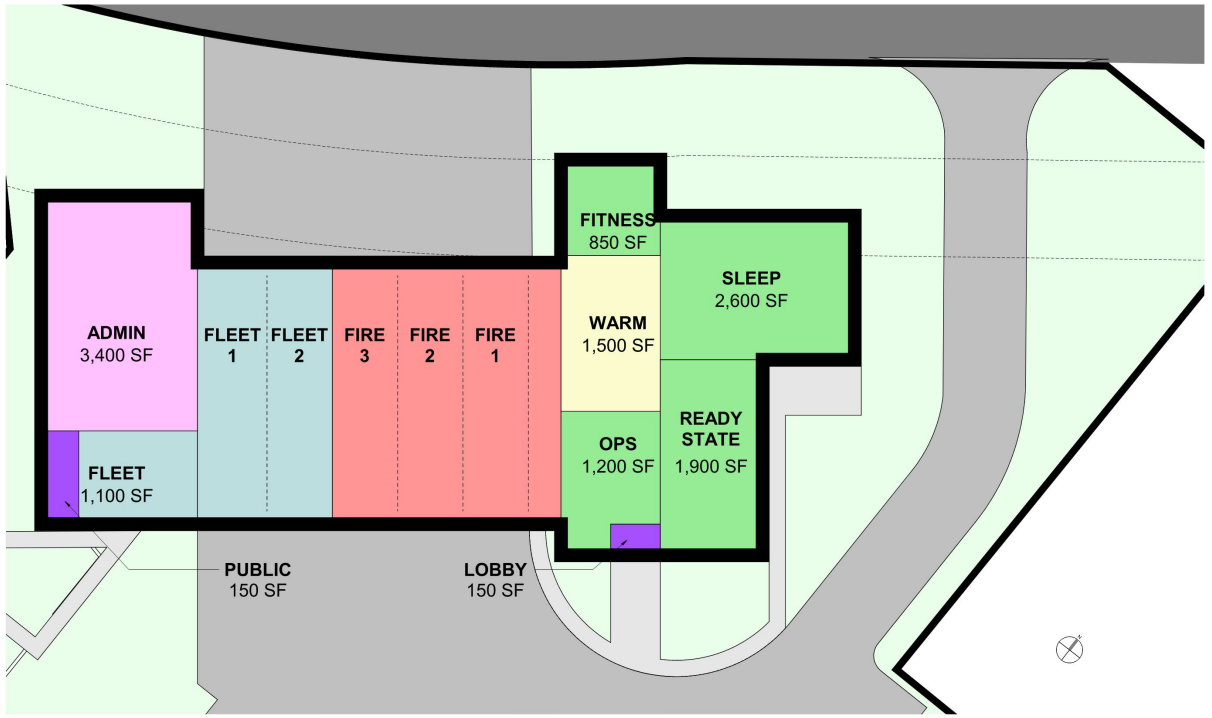
LEGEND

- POLICE
- COURTS
- EOC
- PUBLIC SPACE
- JAIL
- FIRE ADMIN
- FIRE STATION
- FLEET
- SITE
- EXISTING
- NEW
- SECURE
- S SALLYPORT
- CIVIC PRESENCE

N

OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

FLOOR PLAN - FIRE



FIRE AND FLEET LEGEND

- FIRE ADMINISTRATION
- FLEET
- PUBLIC
- FIRE OPERATIONS: HIGH HAZARD
- FIRE OPERATIONS: MID HAZARD
- FIRE OPERATIONS: LOW HAZARD

N

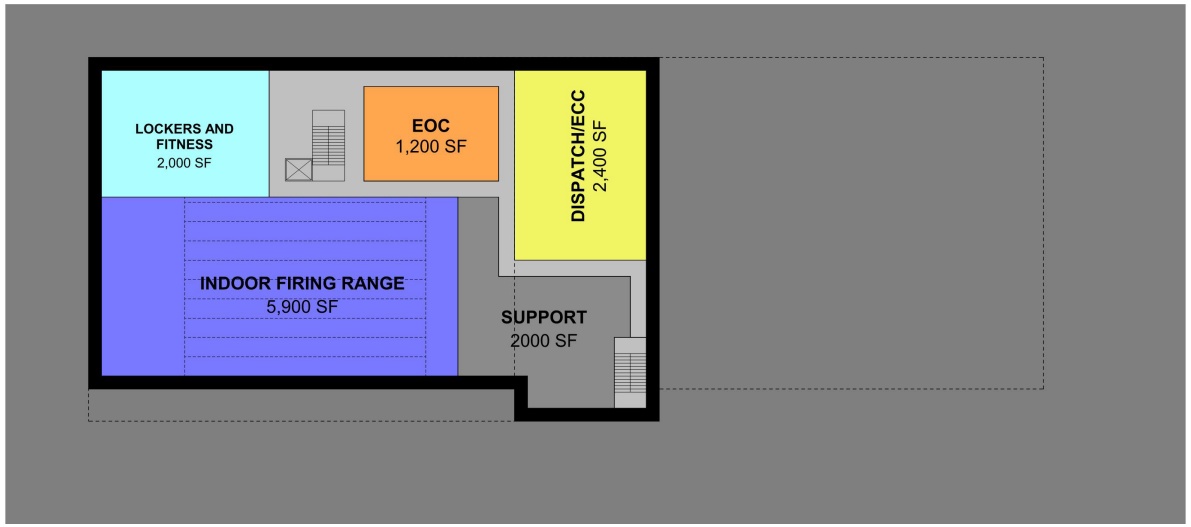
OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

FLOOR PLAN - POLICE

BASEMENT

POLICE AND COURTS LEGEND

- DISPATCH
  2,390 SF: TOTAL
- ADMINISTRATION
  2,200 SF: TOTAL
- PATROL
  16,961 SF: TOTAL
  5,750 SF: INDOOR FIRING RANGE
  2,000 SF: LARGE STORAGE/SWAT
- COURTS
  8,166 SF: TOTAL
  2,245 SF: COURTROOM
  1,458 SF: PROSECUTOR
- PRO STANDARDS
  1,875 SF: TOTAL
- JAIL
  13,894 SF: TOTAL
  1,200 SF: SALLYPORT
- SUPPORT
- INVESTIGATIONS
  10,000 SF: TOTAL
  3,200 SF: EVIDENCE
  600 SF: INTERVIEW SUITE
- FITNESS
  1,910 SF: TOTAL
- CIRCULATION
- PUBLIC SPACE
- EOC
  1,180 SF: TOTAL

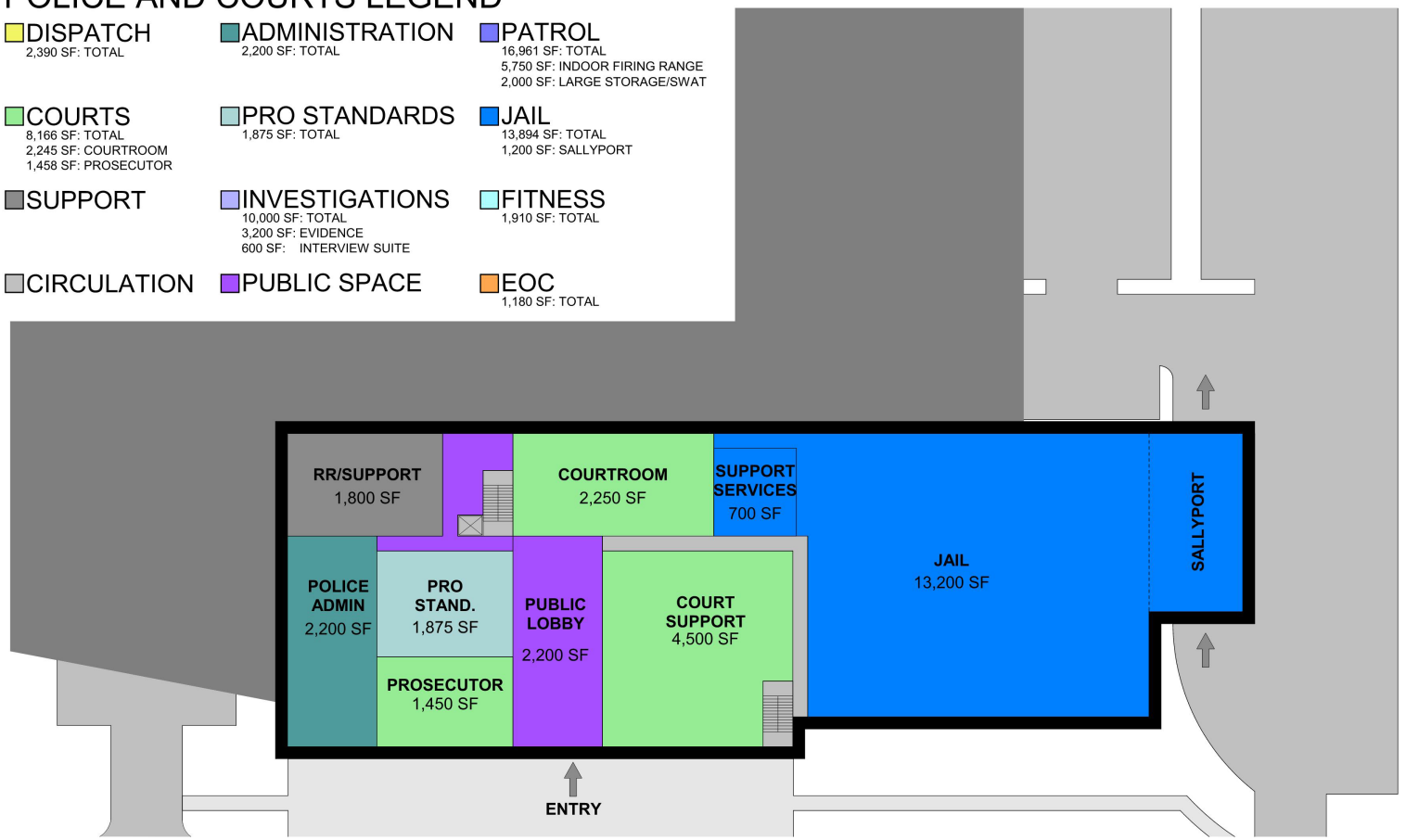


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OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

FLOOR PLAN - POLICE

MAIN LEVEL



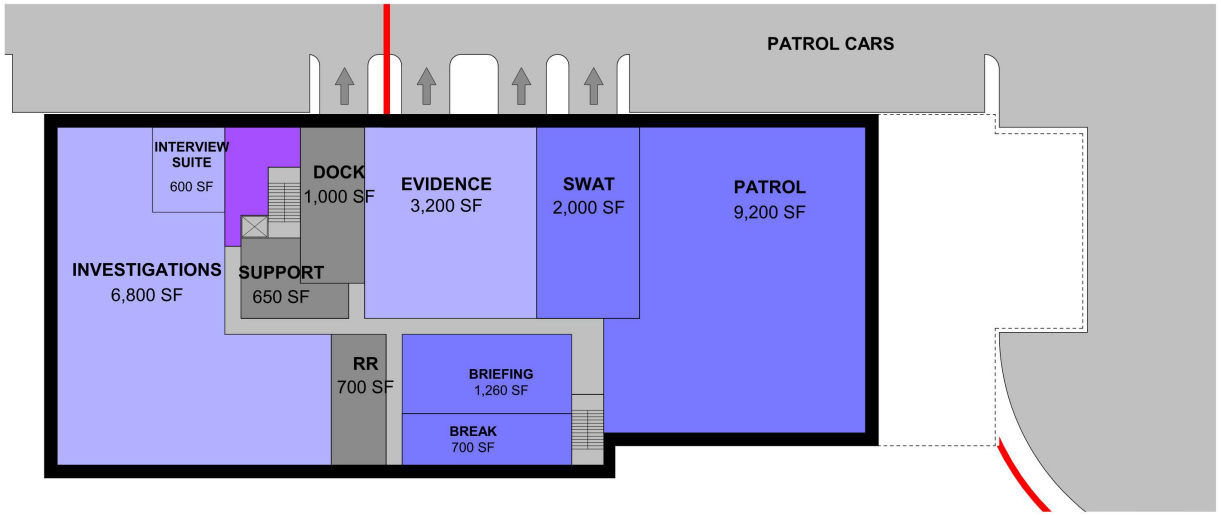
OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

FLOOR PLAN - POLICE

UPPER LEVEL

POLICE AND COURTS LEGEND

- DISPATCH
  2,390 SF: TOTAL
- ADMINISTRATION
  2,200 SF: TOTAL
- PATROL
  16,961 SF: TOTAL
  5,750 SF: INDOOR FIRING RANGE
  2,000 SF: LARGE STORAGE/SWAT
- COURTS
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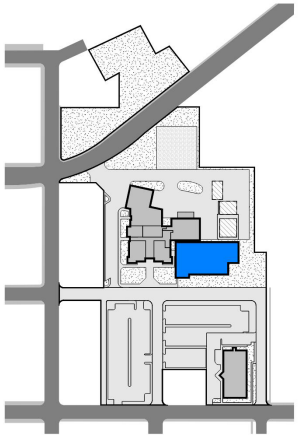
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OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

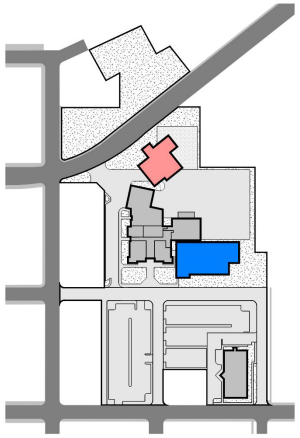
PHASING



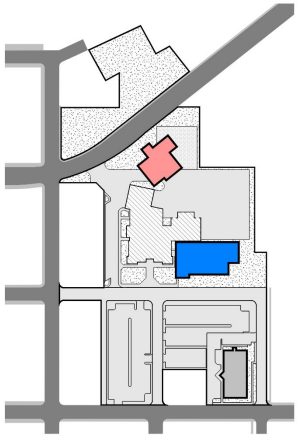
EXISTING SITE



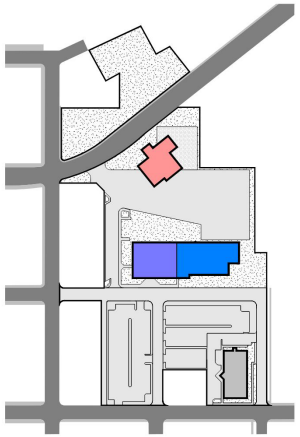
ADD NEW JAIL WING/ DISPATCH
DEMO OUT BUILDINGS



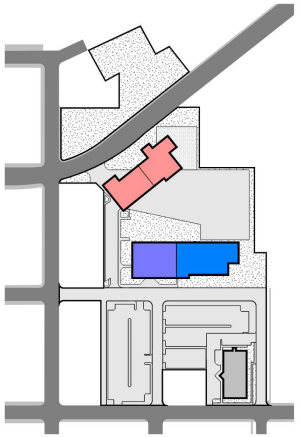
ADD FIRE OPERATIONS



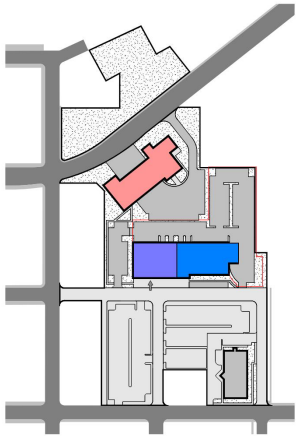
RELOCATE EXISTING PROGRAMS
DEMO EXISTING BUILDING



ADD REMAINDER OF POLICE
PROGRAM



ADD FLEET AND FIRE
ADMINISTRATION

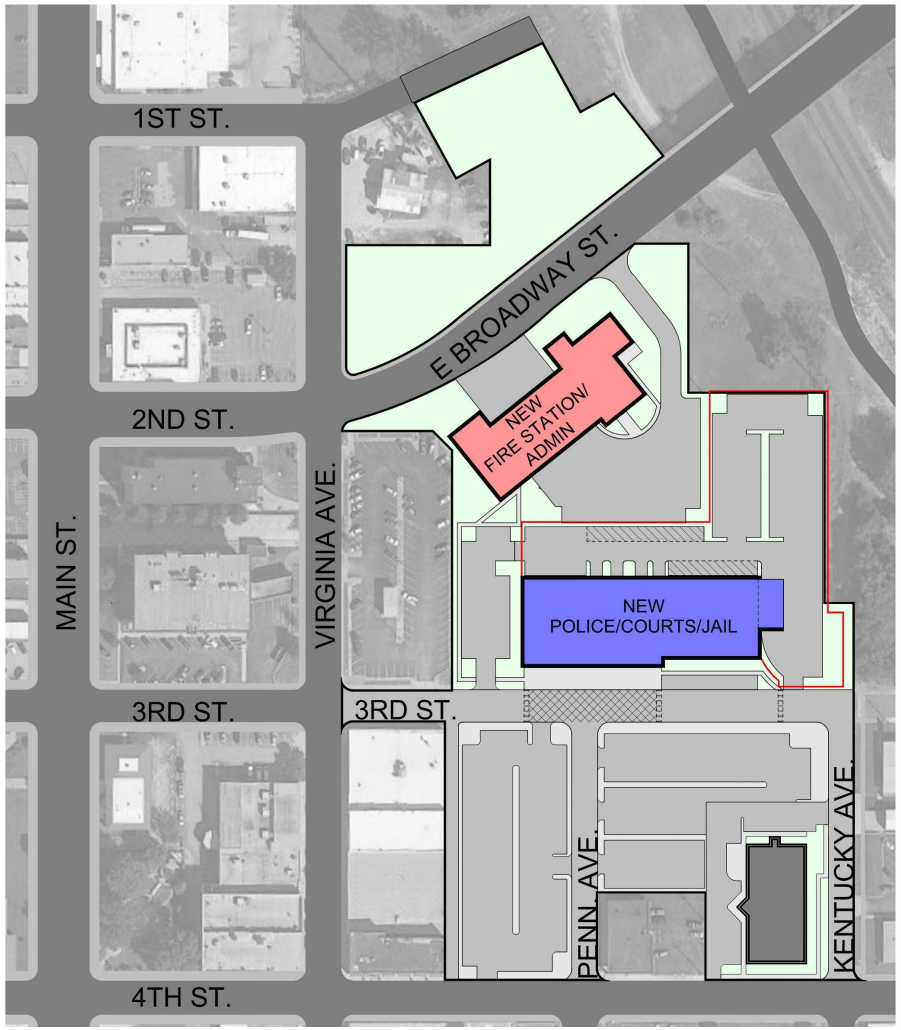


REWORK SITE

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OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING

PROS/ CONS



PROS

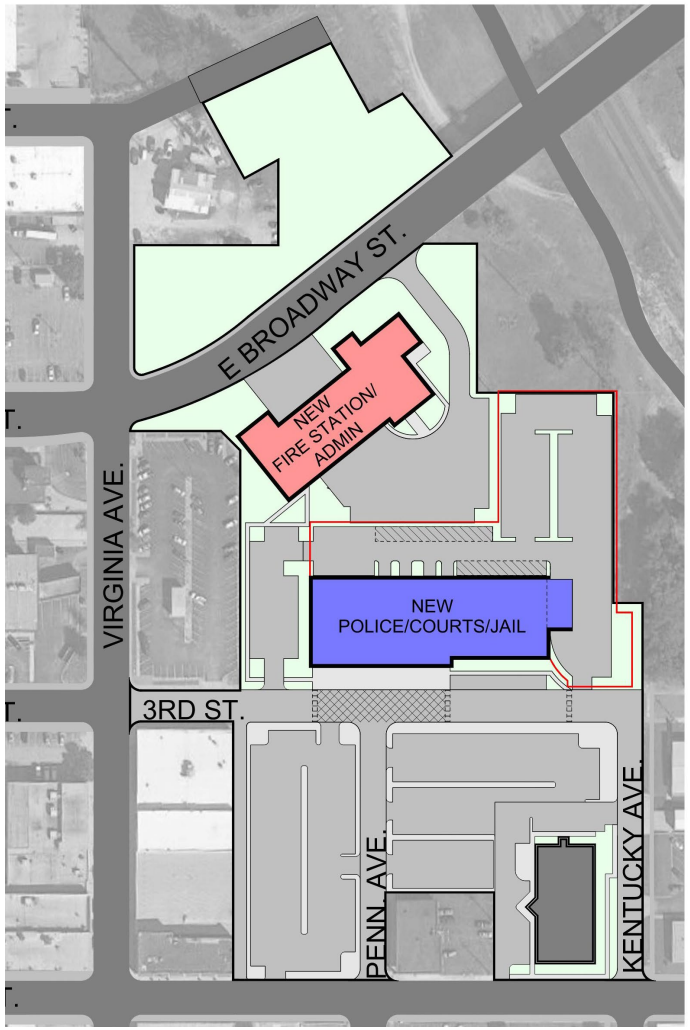
- EVIDENCE IS IN ONE LOCATION. ONLY MOVED ONCE
- JAIL CONSTRUCTED FIRST; INMATES ARE TRANSFERRED ONCE
- FIRE ADMIN IS SEPARATE FROM FIRE OPERATIONS
- ACCOMMODATES FUTURE GROWTH
- NEW BUILDINGS OFFER IMPROVED MAINTENANCE/ENERGY EFFICIENCY PER SQUARE FOOT
- OPPORTUNITY FOR CIVIC APPEARANCE
- ACCESSIBILITY AND SECURITY ISSUES CAN BE ADDRESSED.

CONS

- RADIO/COMMUNICATIONS ISN'T COMBINED
- TRANSITION OF STAFF IN CURRENT BUILDING AND DISRUPTIONS TO DISPATCH
- LONG TERM MAINTENANCE COST INCREASED BY MAINTAINING TWO BUILDINGS VERSUS ONE
- TIGHT CIRCULATION FOR LARGEST FIRE APPARATUS
- COORDINATION/RELOCATION OF FIRE APPARATUS REQUIRED
- REQUIRES SUBSTANTIAL PHASING

N

OPTION 9 NEW FIRE STATION/ NEW POLICE & COURT BUILDING



	GSF (Planned)	Total Project Costs Range		
OPTION 9				
Fire HQ	27000	$ 18,200,000	$	18,480,000
Police	58800	$ 42,300,000	$	44,200,000
Courts	8200	$ 4,500,000	$	4,670,000
	94000	$ 65,000,000	to $	67,350,000

General Notes:

- Cost shown represents construction costs, escalation contingencies, furniture, fixture, and equipment and other soft costs.
- Costs does not include relocation and other direct City expenses related to temporary relocation of staff, land acquisition, and agencies operations.
- Assumes a design and construction time frame of 28 months.

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SQUARE FOOTAGE COMPARISON

	Courts Existing SF	Courts Programmed SF	Police Existing SF	Police Programmed SF	Fire Existing SF	Fire Programmed SF
Municipal Courtroom	2,099	2,245				
Court Support	2,914	4,463				
Prosecutor	959	1,458				
Courts Total	**5,972**	**8,166**				
Public			3,572	3,173		
Administration Police			1,957	2,199		
Professional Standards			1,691	1,874		
Investigations			6,097	6,512		
Evidence			2,997	3,500		
Patrol			8,875	11,211		
Indoor Firing Range			0	5,750		
Jail			6,507	13,897		
Support (restrooms, lockers, janitor, mech, IT)			3,219	4,981		
Fitness			0	878		
Dispatch			1,832	3,226		
EOC			1,186	1,593		
Police Total			**37,933**	**58,794**		
Fire Administration					1,865	3,554
Operations					865	1,364
Ready State (Dayroom, Kitchen, Dining)					1,285	1,958
Fitness					579	1,012
Sleep					795	2,558
Warm Zone Support					190	2,381
Apparatus Bay					5,833	8,251
Fleet Maintenance					400	7,234
Fire Total					**11,812**	**28,312**

Existing Building Total	**55,717**
Programmed Building Total	**95,272**

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Other Considerations/Options:

- Identify other sites for Fire HQ, Fire Station #1, Vehicle Maintenance, Radio?
- Centralize garage services?