

Orleans County Jail Population & Program Study Summary



Presented by:

LABELLA
Associates, P.C.

Mission & Goals

1. To provide a comprehensive survey of the entire jail operation.
2. To review current population conditions and establish projections for future population growth and, with the County, agree on the size of the facility to be provided.
3. Review the classification system and current programs for alternatives to incarceration. Determine impact on proposed facility.
4. With the County, determine supervision type (it is assumed that only a "direct supervision" model will be accepted at this time).



Existing Jail Condition

- Operationally the existing jail has out lived its useful life.
- The existing jail is staff-intensive from an officer-to-inmate ratio standpoint.
- The jail's existing physical plant can not accommodate the current jail needs and/or future jail needs.
- Additions or remodeling are not a viable option to resolving the current needs due to lack of adjacent space.



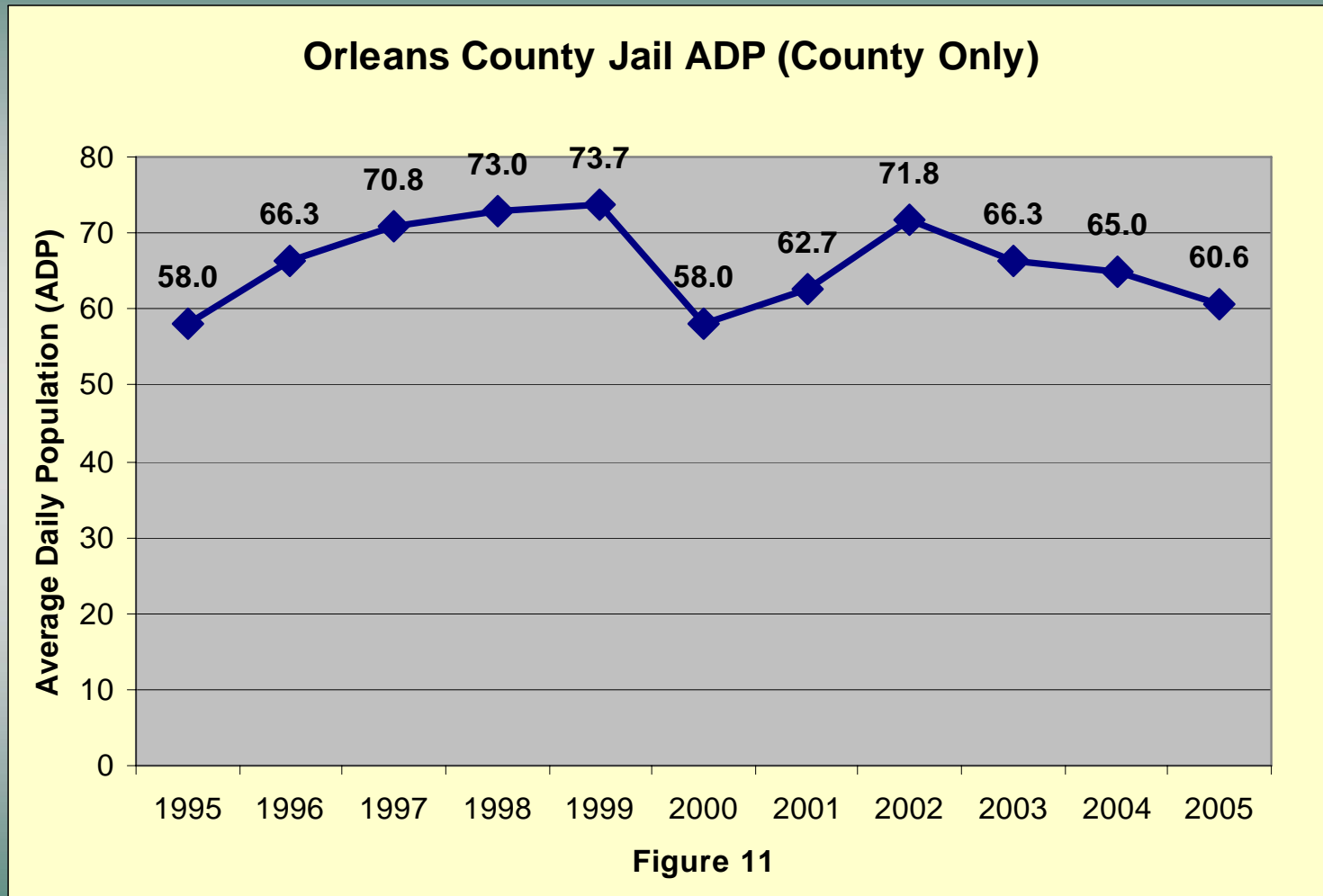
Jail Population



Jail Population Measures/Terms

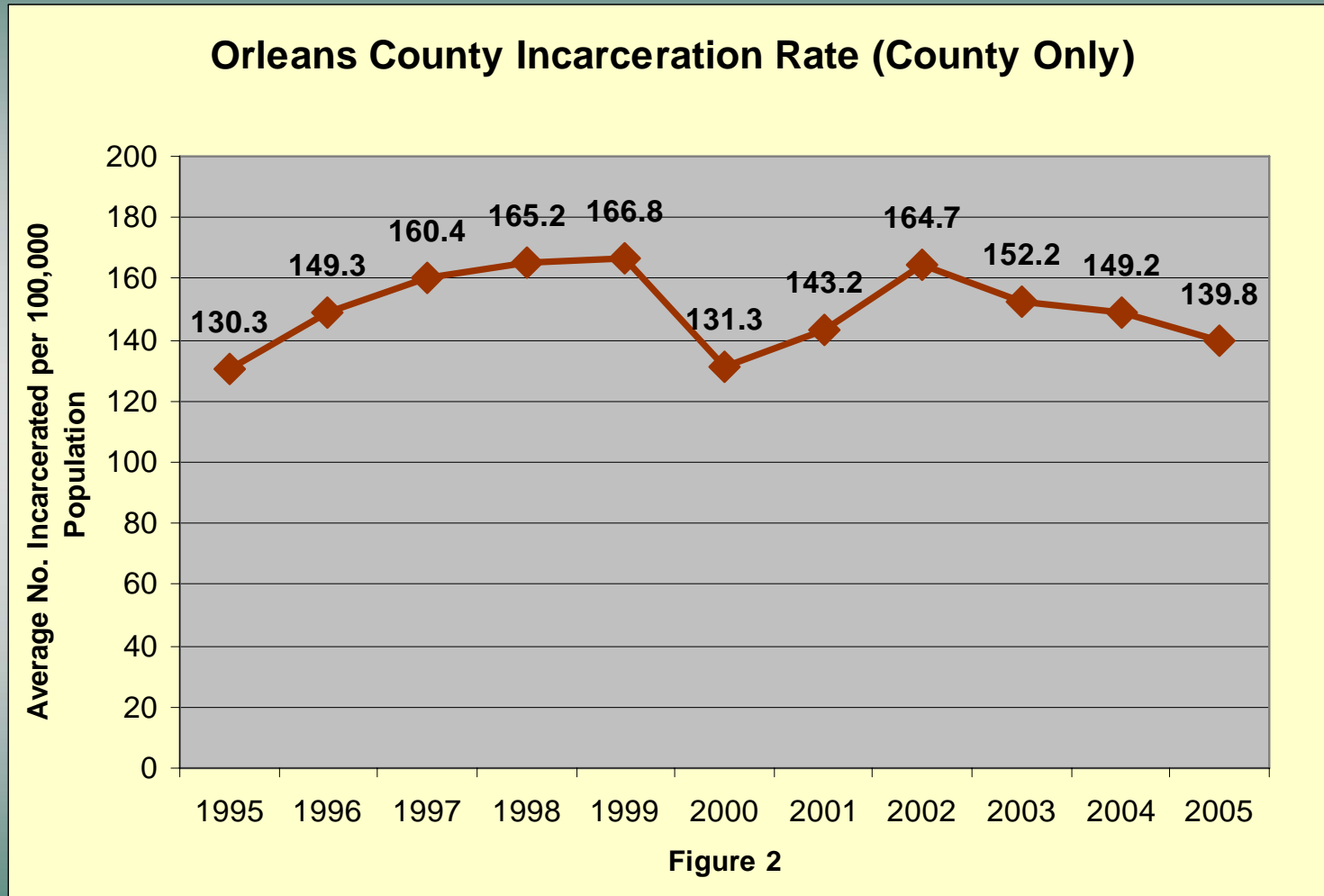
Admissions	Cumulative number of admissions of inmates to the jail facility in any given year.
Average Length of Stay	Annual average number of days of stay within the jail facility from admission to release. Includes pre-sentenced and sentenced stays. (Total number of jail bed days consumed by all inmates divided by the number admitted).
Average Length of Sentence	Average number of days of sentence recorded for all individuals either at time of admission as sentenced individuals or, for those already remanded, at time of status change following conviction.
Average Daily Population (ADP)	Annual average number of individuals within the jail facility on any given day - (Number of Admissions X Average Length of Stay)/365 or Number of individuals within the jail on a daily basis, summed for each day of the year and then divided by 365.
Incarceration Rate	Average Daily Population per 100,000 population.

ADP – Variable, Little Increase



ADP is an average. Actual population level varies and will be below the ADP approximately half the time and exceed it the other half.

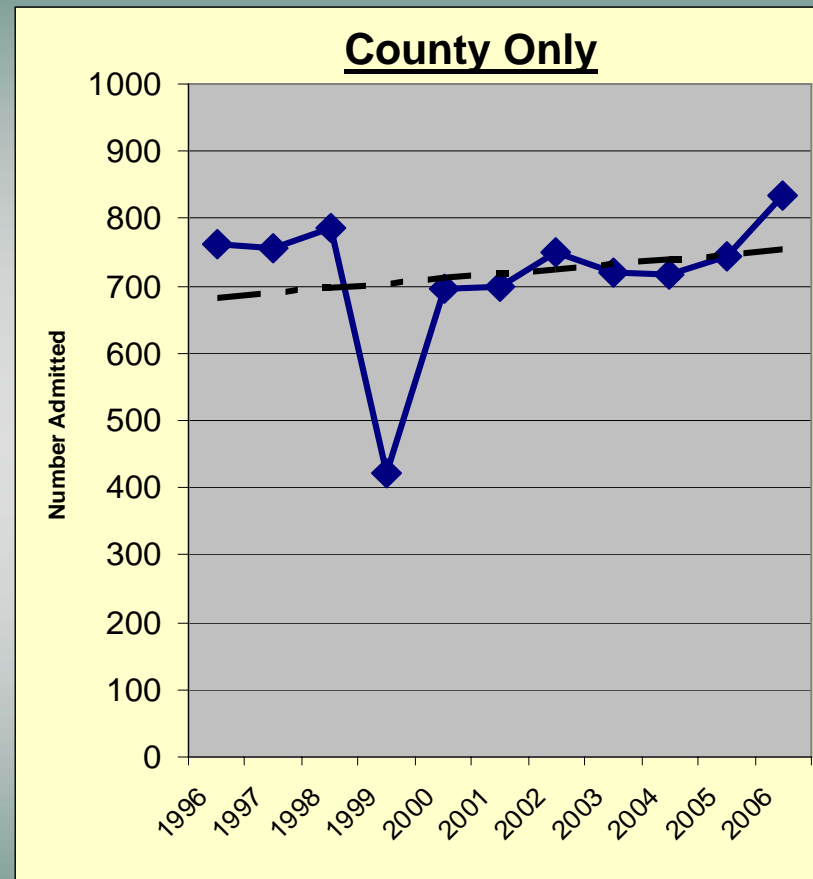
Incarceration Rate – Not Unusual



From 1995 to 2005, the Incarceration rate within NYS counties as a whole (excluding the Boroughs of NYC) varied from 130 to 154.

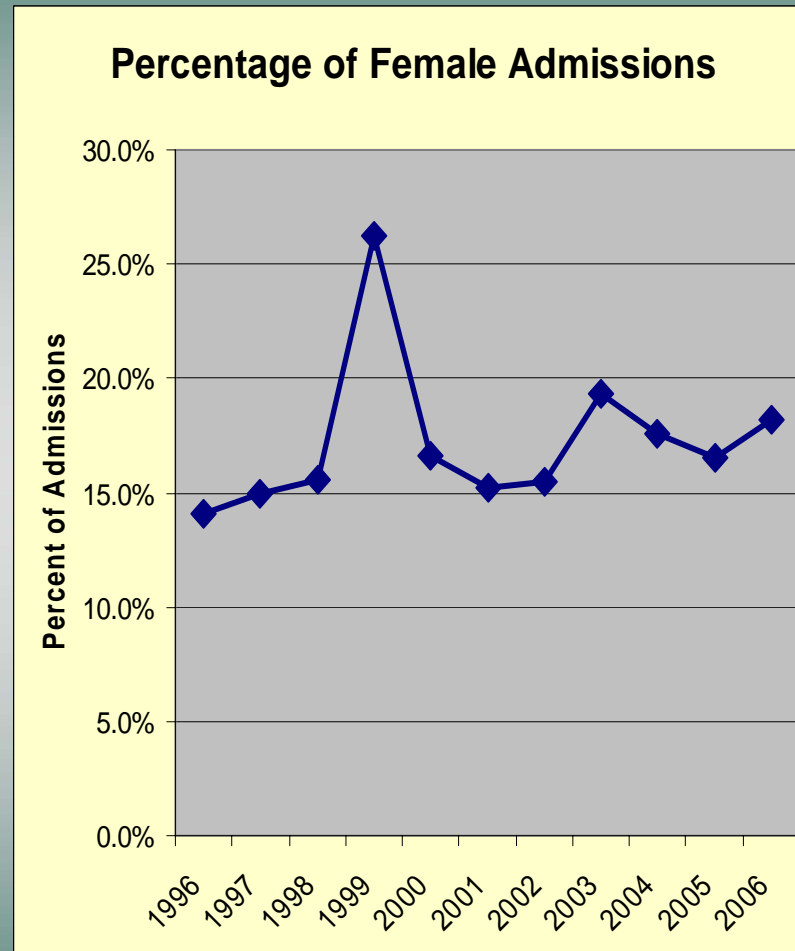
Admissions – Variable, Little Increase

<u>Year</u>	<u>County</u>	<u>Total</u>
1996	762	1004
1997	755	947
1998	755	971
1999	423	674
2000	697	994
2001	698	941
2002	751	1111
2003	719	1031
2004	718	963
2005	745	1045
2006	835	1110



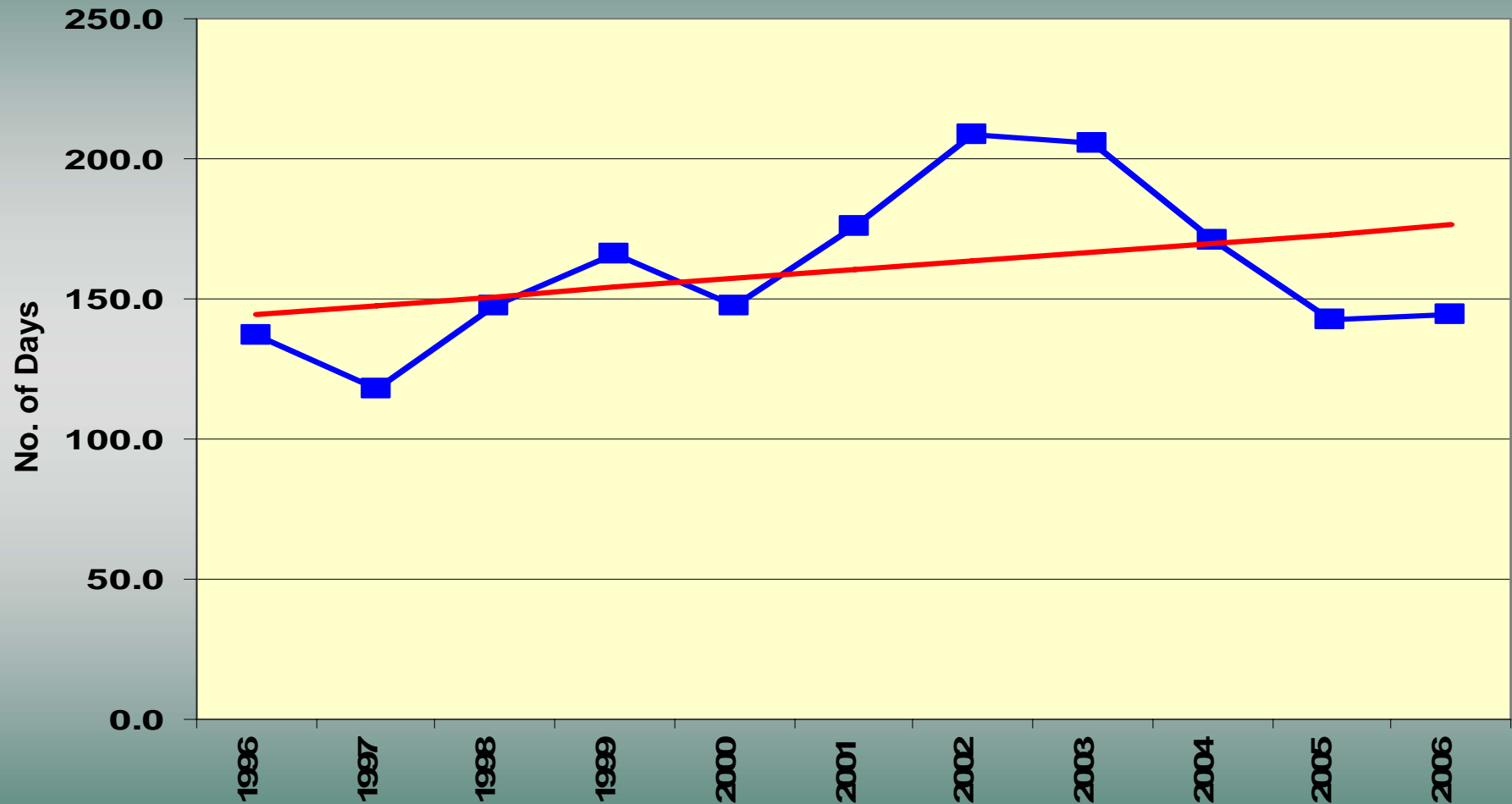
Board-in admissions account for the difference between total and county admissions.
The year 1999 appears to be an aberration.

Female Admissions – Some Increase

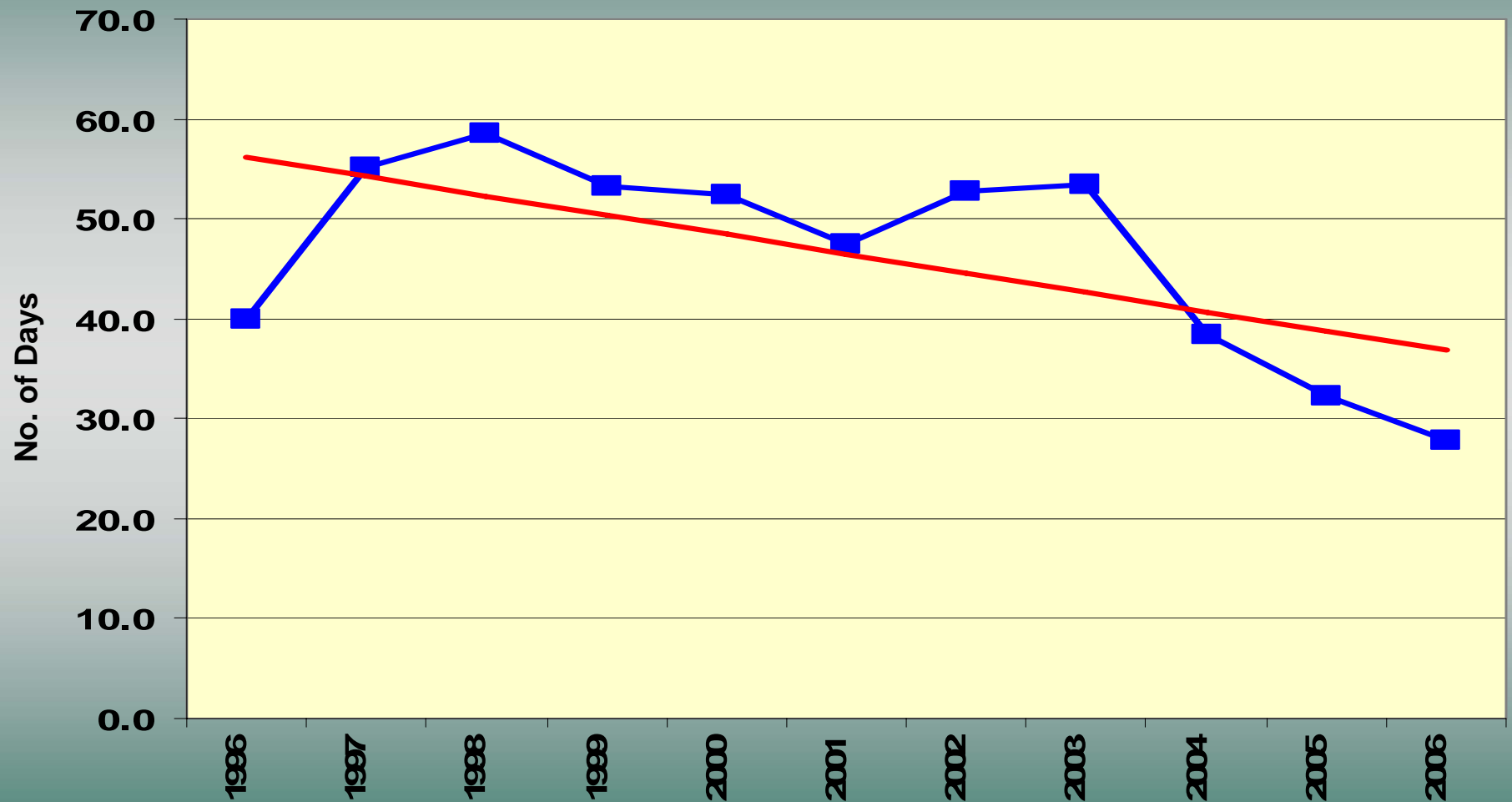


**Some overall increase in the proportion of admissions that are female.
As before, the year 1999 appears to be an aberration.**

Average Length of Sentence – Some Increase

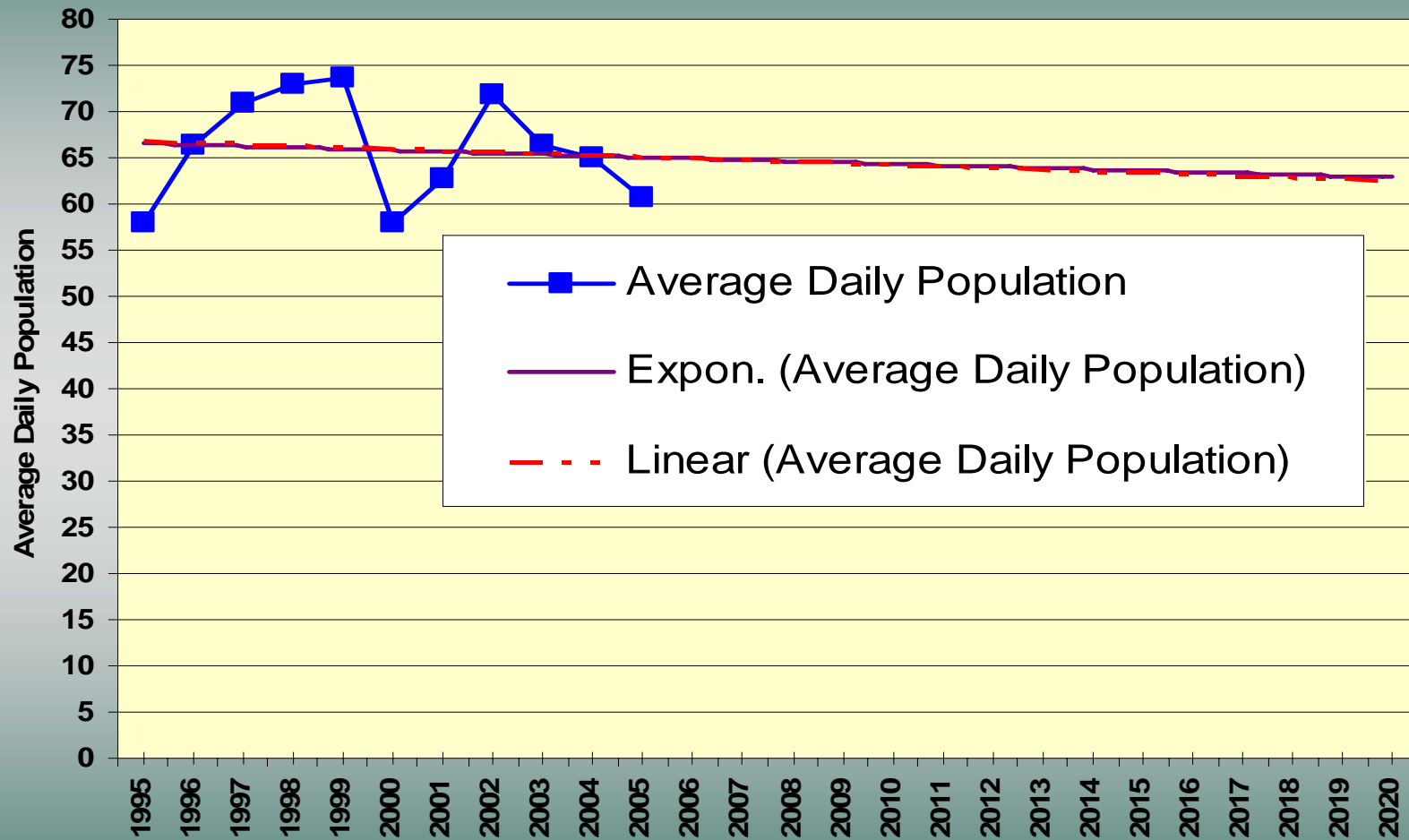


Average Length of Stay – Some Decrease



Decline in Length of Stay despite Increased Length of Sentence - implies some progress in reducing pre-sentence stays.

ADP – Future Projection



**Trendlines through 2020, both linear and exponential fits, show no growth.
Future ADP continues to vary around the 65 level.**

Population Levels vs. Bed Requirements

- The ADP is only an average.
- Any jail with bed space equal only to the ADP will be short much of the time (about one-half the time, statistically).
- The peak level is sometimes forecast by multiplying the forecast ADP by a “peaking factor.”
- It is the peak population, *not* the average, that drives the bed requirement.

Population Levels and Sub-populations

- Housing for some inmates must be isolated – violent or disruptive, mental illness, communicable disease, etc.
- Adult Male, Minor Male, Adult Female & Minor Female – each must be segregated from the others.
- Beds must be separated and cannot be transferred from one subpopulation to another, so a jail operates as 4 or more jails in one from a housing perspective.
- Within these subpopulations, it is the peak population, *not* the average, that drives the bed requirement.

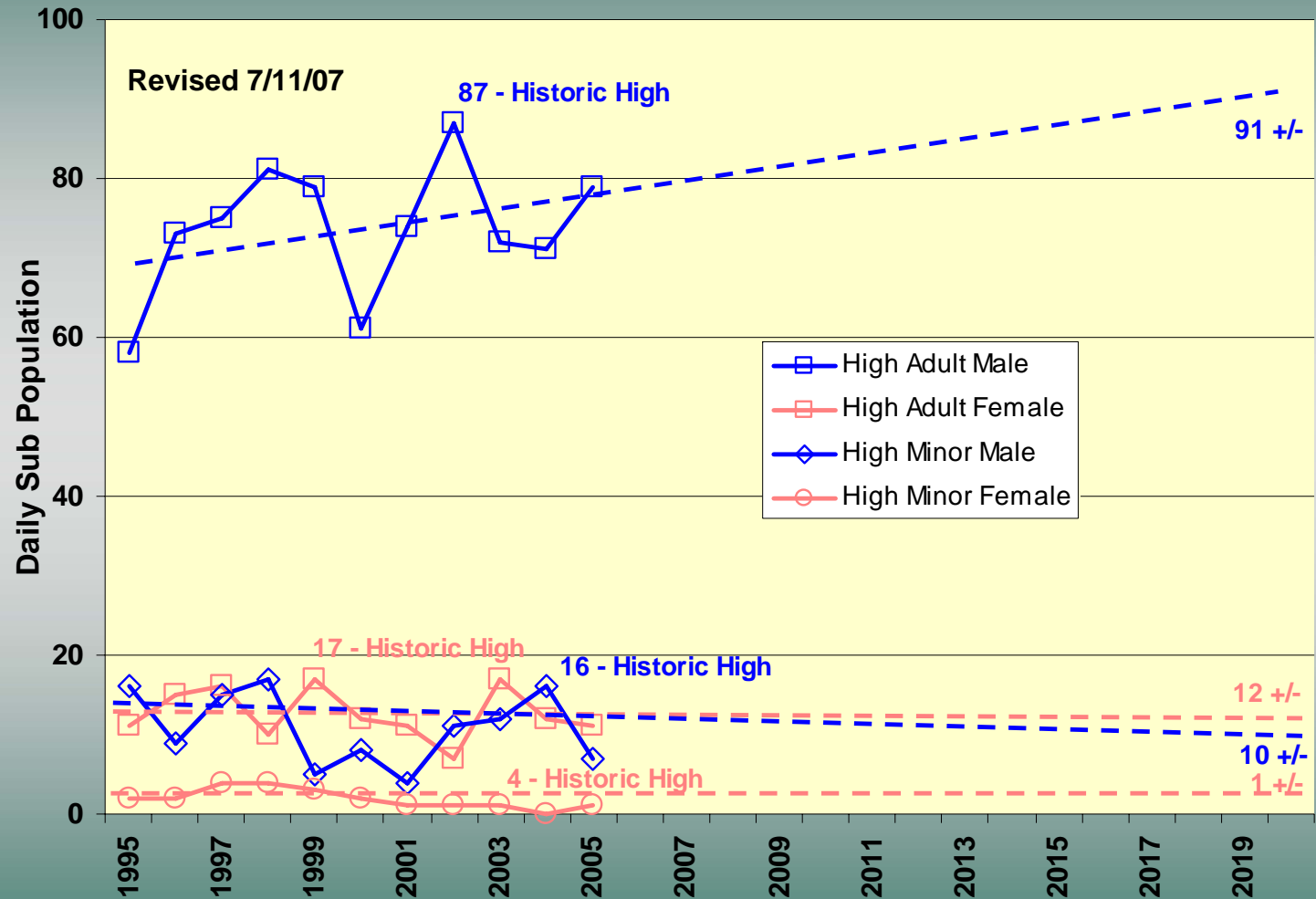
Peak Levels and Bed Requirements

- Subpopulations do not peak on the same day.
- The annual peak reported for the jail as a whole does not reflect the peak within each of the subpopulations.
- On the single day when the population as a whole peaks, some subpopulations will be high, others will be lower.
- To assess required bed capacity: must look at the sum of the peak levels expected within each subpopulation.

Orleans County Jail - 2005

ADP	Peak	Adult Male	Adult Female	Minor Male	Minor Female	Peaks Combined
61	87	79	+ 11	+ 7	+ 1	= 98

Peak Subpopulation Levels – Future Projection



Peak levels of Sub-populations can be projected to forecast Bed Requirement.
 Peak levels vary from year to year above or below the trendline.

2020 Forecast Bed Requirement

	<u>Adult Male</u>	<u>Adult Female</u>	<u>Minor Male</u>	<u>Minor Female</u>	<u>Subpopulations Combined</u>
Forecast Peak Population - Trendline	91	12	10	1	113
Allowance for Variation Year-to-year	13	5	5	3	36
Total Estimated Bed Requirement	104	17	15	4	138

**Trendlines do not account for year to year variations.
Additional beds have been provided above to accommodate these variations.**

Peak Levels Occur Infrequently

- The peak levels that occur are relatively infrequent.
- Apparent bed requirement is lower when disregarding few days per year on which populations are highest.

Peak Levels Attained Throughout the Year

	Adult Male	Adult Female	Minor Male	Minor Female	Peaks Combined
All Days - 2002	85	12	11	2	110
<i>No. Days Excluded</i>	6	10	6	21	
Remaining Days - 2002	78	8	10	1	97
All Days - 2006	72	12	12	2	98
<i>No. Days Excluded</i>	8	7	10	9	
Remaining Days - 2006	70	10	10	1	91

Additional beds must still be added to accommodate year to year variations.

Jail Program



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Program Study Summary

1 Jail Administration	1,800
2 Shared Support Spaces	3,200
3 Kitchen	4,100
4 Jail Booking	4,600
5 Jail Medical	1,400
6 Jail Visitation	3,900
7 Jail Support	2,600

Program Study Summary

8	Male Housing w/Segregation	13,500
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36 cells: 6 segregation, 12 minor, 18 adult

9	Male Housing	13,500
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36 Cells: 12 minor, 24 adult

10	Female Housing	10,200
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24 Cells: 4 segregation, 8 minor, 12 adult

11	Medical & Classification Unit	8,300
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20 Cells: 4 segregation, 4 minor, 12 adult

12	Garage & Workshop	500
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13	Building and Support Spaces	27,000
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Building Total Gross Square Feet		94,600
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Program Study Summary

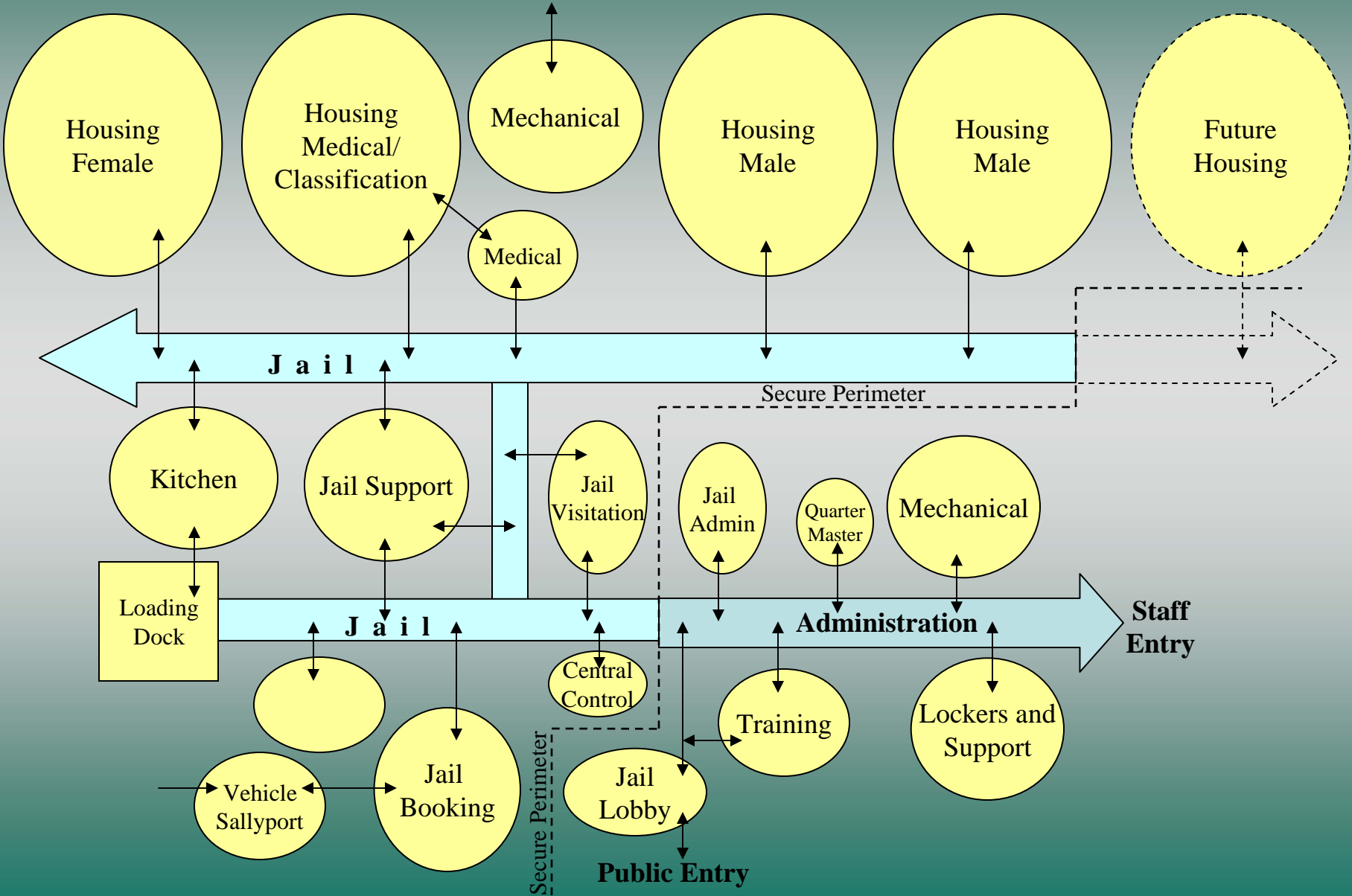
Proposed Building Program:

116 Single Cells in (4) Housing Units

Future Growth to 140 Beds with Double Cells

Building Total Gross Square Feet	94,600
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Overview Adjacency Diagram



Next Steps in the Process



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Next Steps

1. Assist the County with Site Selection and Property Acquisition.
2. Prepare a Pre-Schematic Design using the data from the current Programming/Needs Analysis.
3. Prepare a Cost Estimate for a new Jail based on the Pre-Schematic Design.
4. Prepare a proposed Master Activities Schedule to Design & Build a new Jail.
5. To further explore the opportunity of different project Design & Construction delivery methods for possible use in this project.

Questions



LABELIA
Associates, P.C.