

Job Task Analysis

Employer:	Stanislaus County
Occupation:	Safety Manager II, III, IV
Classification:	II, III, IV
Company Contact:	Risk Management 1010 10 th Street Modesto, California 95354 (209) 525-5770
Date:	December 2018
Analysis Provided By:	Lyle Andersen, PT, CWCE Andersen Physical Therapy, Inc. 1917 Coffee Road Modesto, California 95355 (209) 549-4626

INTRODUCTION:

A complete job description is available through Stanislaus County Human Resources. The environmental factors, physical and functional demands for this Job Task Analysis were documented by Andersen Physical Therapy, Inc. The methodology for documentation consisted of on-site visits, using various measuring devices such as dynamometers and scales, as well as observation and interviews with employees and managers. A detailed record was made of the physical and functional demands of the job in terms of force pounds, weight, frequency, height, distance, anthropometric measurements, stamina, and degrees of range of motion. The determination of the frequencies of functional activities is based on standards provided by the National Institute for Occupational Safety and Health (NIOSH) and the Work Practice Guide for Manual Lifting (U.S. Department of Commerce, National Technical Information Service).

The Job Task Analysis is organized as follows: General work description; safety requirements; equipment; environmental factors; and physical/functional demands.

Chief Executive Office – Recruitment Unit
P.O. Box 3404, Modesto, CA 95354

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Chief Executive Office – Risk Management Division

1010 10th St., Ste 5900, Modesto, CA 95354 Phone (209) 525-5710 Fax (209) 525-5779

<https://www.governmentjobs.com/careers/stanislaus/classspecs>

GENERAL WORK DESCRIPTION:

The frequency of the following activities may vary according to the physical requirements of the specific job tasks that the employee may be required to perform at random intervals.

The Safety Manager II, III & IV, coordinates and supervises personnel within their assigned department.

The Probation Division Manager IV is an armed peace officer position as part of the executive management team. The incumbent provides leadership, planning, development, coordination, direction, oversight, and evaluation of a broad and complex range of services and operations germane to achieving the vision, mission and goals of the Probation Department. This position serves as a Division Director who reports to the Assistant Chief Probation Officer under the administrative direction of the Chief Probation Officer. The incumbent is also required to successfully meet and maintain department firearms qualifications standards and may be required to carry a firearm while on duty.

The Probation Institutions Manager II will serve as the Facility Manager of one of the two Juvenile Custodial Facilities under the direction of the Institutions Division Director (Superintendent). The incumbent plans, coordinates, directs, and provides oversight to a broad and complex range of services and operations germane to the functioning of a youth custodial facility.

The Probation Division Manager IV and Institutions Manager II may come into contact with clientele who may be angry, hostile, and combative thereby posing the possibility of bodily injury or death. In addition, clientele may present with offensive odors, bodily fluids, and/or exposure to infectious diseases that can cause chronic illness or death.

SPECIFIC DUTIES: Available through the Human Resources Department at the County of Stanislaus.

<https://www.governmentjobs.com/careers/stanislaus/classspecs>

SAFETY REQUIREMENTS: All employees are required to observe company safety procedures and standards to insure individual and collective safety, in addition to avoiding unnecessary risk to oneself, co-workers, customers, and property.

EQUIPMENT:

- | | |
|------------------------------|------------------------------|
| 1. 4-Wheel cart | 16. Handheld radio |
| 2. Audio-Visual equipment | 17. Hole punch |
| 3. Ballistic vest | 18. Keyboard |
| 4. Baton | 19. Ladder |
| 5. Camera | 20. Monitor device |
| 6. Computer | 21. Mouse |
| 7. Copy machine | 22. Pencil sharpener |
| 8. Duty bag | 23. Pepper spray |
| 9. Equipment duty belt | 24. Stapler |
| 10. Facsimile machine | 25. Telephone |
| 11. Field jacket | 26. Television |
| 12. Firearms | 27. Vehicle |
| 13. Gloves | 28. Video cassette recorder |
| 14. Hand cuffs | 29. Wrap immobilizing device |
| 15. Hand writing instruments | |

*All employees within the **Safety Manager II, III & IV** position are required to provide physical assistance for all weight and frequency requirement needs of all job tasks in order to maintain a safe work environment. Employees must be physically capable of working in any of the job tasks within the **Manager II, III & IV** position.*

ENVIRONMENTAL FACTORS



The following percentages are given in terms of an eight-hour workday:

Seldom = 1% - 2%	Frequent = 34% - 66%
Occasional = 3% - 33%	Constant = 67% - 100%

	ENVIRONMENTAL FACTORS	MAXIMUM FREQUENCY
1.	Unprotected heights:	Not Applicable
2.	Being around moving machinery: <i>Traffic</i>	Occasional
3.	Exposure to marked changes in temperature and humidity: outside temperatures may seasonally vary between 28-110 degrees.	Not Applicable
4.	Exposure to dust, fumes, smoke, gases, or other irritating substances (specify):.....	Not Applicable
5.	Driving:..... Vehicle	Occasional
6.	Exposure to excessive noise Firearm Qualification..... <i>Hearing protection is available</i>	Seldom
7.	Exposure to radiant or electrical energy:.....	Not Applicable
8.	Exposure to solvents or chemicals:..... <i>Refer to MSDS document.</i>	Not Applicable
9.	Exposure to slippery or uneven walking surfaces:.....	Not Applicable
10.	Working below ground:.....	Not Applicable
11.	Unusual fatigue factors:	Not Applicable
12.	Working with explosives:.....	Not Applicable
13.	Excessive vibration:	Not Applicable
14.	Working with hands in water or other substance:..... <i>Hand protection is available</i>	Not Applicable
15.	Working proximity:..... Alone: Closely with others:	Not Required Constant
16.	Working inside:.....	Constant
17.	Working outside:.....	Seldom

FUNCTIONAL ACTIVITIES



The frequency of the following activities may vary according to the physical requirements of the specific job tasks the employee may be required to perform at random intervals.

PHYSICAL AND FUNCTIONAL REQUIREMENTS

<u>FREQUENCY DEFINITIONS</u>	<u>SELDOM</u>	<u>OCCASIONAL</u>	<u>FREQUENT</u>	<u>CONSTANT</u>
Percent of the Day	1-2%	3-33%	34-66%	67-100%
Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Non- Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Repetitive & Static Work	1-50 Reps	51-250 Reps	251-1,000 Reps	1,001-20,000 Reps

1.) **PUSH**: *Pushing activities may require use of the back in conjunction with leg and arm musculature.*

MAXIMUM REQUIREMENT

0-10 pounds:	Occasional		
11-25 pounds:	Seldom		
26-100 pounds:	No Required	Maximum Force:	15 Pounds

Assistive Devices: Additionally, one-person assistance is available with forces greater than 15 pounds.

Comments: Pushing is utilized with activities such as retrieving, returning, storing, adjusting, moving, and/or transporting equipment, and supplies (e.g. cart, door). The employee exerts up to 15 pounds of force in a horizontal plane from waist to shoulder height of a distance up to 100+ feet when performing job tasks (e.g. up to 15 pounds of force to open/close door, drawer, file, cabinet; push cart).

2.) **PULL**: *Pulling activities may require use of the back in conjunction with leg and arm musculature.*

MAXIMUM REQUIREMENT

0-10 pounds:	Occasional		
11-25 pounds:	Seldom		
26-100 pounds:	Not Required	Maximum Force:	15 Pounds

Assistive Devices: Additionally, one-person assistance is available with forces greater than 15 pounds.

Comments: Pulling is utilized with activities such as retrieving, returning, storing, adjusting, moving, and/or transporting equipment, and supplies (e.g. cart, door). The employee exerts up to 15 pounds of force in a horizontal plane from waist to shoulder height of a distance up to 5 feet when performing job tasks (e.g. up to 15 pounds of force to open/close door, drawer, file, cabinet; pull cart). *Pushing is the preferred method of moving carts.*

3.) **STAND-UP LIFT**: *Lifting weighted objects between floor and waist height.*

MAXIMUM REQUIREMENT

0-10 pounds:	Seldom		
11-100 pounds:	Not Required	Maximum Force:	5 Pounds

Assistive Devices: One-person assistance is available with weights greater than 5 pounds.

Comments: A stand-up lift is utilized with activities such as retrieving, returning, storing, adjusting and transporting supplies (e.g. documents). The employee lifts items weighing between <1 pound and 5 pounds from/to the floor when performing job tasks (e.g. up to 5-pound binders, folders, files, books, miscellaneous research documents; computer; satchel). *Safe lifting is performed by utilizing a posture of partial squatting and a straight back.*

4.) **LEVEL LIFT:** *Lifting weighted objects from between waist and chest height level for a maximum horizontal distance of up to four feet.*

MAXIMUM REQUIREMENT

0-10 pounds:	Occasional		
11-100 pounds:	Not Required	Maximum Force:	<u>10</u> Pounds

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one-person assistance is available with weights greater than 10 pounds.

Comments: A level lift is utilized with activities such as retrieving, returning, storing, adjusting and transporting supplies (e.g. documents). The employee lifts items weighing between <1 pound and 10 pounds when performing job tasks (e.g. up to 5-pound binders, folders, files, books, miscellaneous research documents; portable computer).

5.) **WEIGHT CARRY:** *Carrying weighted objects between waist and chest height beyond a distance of four feet.*

MAXIMUM REQUIREMENT

0-10 pounds:	Occasional		
11-100 pounds:	Not Required	Maximum Force:	<u>10</u> Pounds

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one-person assistance is available with weights greater than 10 pounds.

Comments: Weight carry is utilized with activities such as retrieving, returning, storing, adjusting and transporting supplies (e.g. documents). The employee carries items weighing between <1 pound and 10 pounds between 5 feet and 600+ feet when performing job tasks (e.g. up to 5-pound binders, folders, files, books; miscellaneous research documents; portable computer).

6.) **OVERHEAD LIFT/PULL DOWN:** *Lifting weighted object from/to chest and overhead height level.*

MAXIMUM REQUIREMENT

0-100 pounds:	Not Required	Maximum Force:	<u>0</u> Pounds
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Assistive Devices: A vertical ladder, step ladder or step stool is available to bring items to eye or shoulder level.

Comments: Overhead lift/pull down is not required to perform job tasks. *Variables to overhead reaching will be the employee's height and anthropometric reach.*

7.) **OVERHEAD REACH:**

MAXIMUM FREQUENCY:	Not Required
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Comments: Overhead reach is not required to perform job tasks. *A ladder (appropriate height) or step stool may be utilized to bring items to eye or shoulder level. Variables to overhead reaching will be the employee's height and anthropometric reach.*

8.) FORWARD REACH:

**MAXIMUM
FREQUENCY:** Frequent

Comments: Forward reach is performed to a distance of 28 inches when retrieving, returning, storing, adjusting, and/or transporting equipment and supplies (e.g. desktop work; reading and research; operate business machine; drive vehicle; push/pull; firearm qualification). *The degree of elbow extension required for reaching will vary according to the employee's anthropometric reach.*

9.) STOOP:

**MAXIMUM
FREQUENCY:** Seldom

Comments: Stooping is performed when retrieving, returning, storing, adjusting, moving, and/or transporting equipment and supplies (e.g. miscellaneous documents stored on lower shelves). *Variable to stooping will be the employee's height. Stooping of the head, trunk and knees can be minimized or avoided by substituting alternate positions of squatting, sitting, kneeling or bending when performing job tasks.*

10.) SQUAT: (Unloaded)

**MAXIMUM
FREQUENCY:** Not Required

Comments: Squatting is not required to perform job tasks. *Squatting may be minimized or avoided by substituting alternate positions of sitting, bending or kneeling. Partial squatting is a preferred lifting posture.*

11.) FORWARD BEND:

**MAXIMUM
FREQUENCY:** Occasional

Comments: Bending forward at the waist is performed when retrieving, returning, storing, adjusting, moving, and/or transporting equipment and supplies (e.g. documents stored on lower shelves). Maximum forward trunk flexion required is 45 degrees. *Employee may avoid excessive forward bending of the trunk up to 80 degrees by using alternate positions of bending at the hips, kneeling, half kneeling, stooping, sitting or squatting.*

12.) TWIST:

**MAXIMUM
FREQUENCY:** Seldom

Comments: Twisting at the waist is not required to perform job tasks (e.g. drive vehicle). *Twisting at the waist may be minimized by turning the whole body, including the feet and working from a swivel chair within the office.*

13.) **TURN:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Turning is not required to perform job tasks.

14.) **KNEEL:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Kneeling is not required to perform job tasks. *Kneeling may be minimized or avoided by substituting alternate positions of bending, squatting, or half kneeling.*

15.) **CRAWL:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Crawling is not required to perform job tasks.

16.) **STAIR CLIMB:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Stair climb is not required to perform job tasks. Public buildings provide elevators.

17.) **LADDER CLIMB:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Ladder climbing is not required to perform job tasks. *Variables to overhead climbing will vary according to the employee's height and anthropometric reach.*

18.) **WALK:**

**MAXIMUM
FREQUENCY:** Occasional

Comments: Walking is performed when retrieving; performing job tasks (e.g. to/from parking lot, meetings, collaborating agency and/or colleagues, customers; offsite work locations, inspection). Walking length varies between 3 feet and 600+ feet depending on job task.

19.) **SIT:**

MAXIMUM FREQUENCY: Constant

Comments: Sitting is performed for a maximum of 120-minute intervals when performing job tasks (e.g. desktop work, meetings; drive vehicle). *Variables to sitting is the optional use of desktop with sit/stand abilities.*

20.) **STAND: (Static)**

MAXIMUM FREQUENCY: Occasional

Comments: Static standing is performed for a maximum of 10-minute intervals when performing job tasks (e.g. stand to operate business machines; meeting with collaborating agency and/or colleagues, customers; worksite inspection).

21.) **BALANCE:**

MAXIMUM FREQUENCY: Frequent

Comments: Good balance is required for safe walking, standing, reaching and lifting.

22.) **HAND/FOOT CONTROL:**

	MAXIMUM REQUIREMENT
HAND:	
Right:	Occasional
Left:	Occasional
Both:	Occasional
Either:	Not Required
FOOT:	
Right:	Occasional
Left:	Seldom
Both:	Not Required
Either:	Not Required

Comments: Hand controls are utilized to operate equipment (e.g. vehicle) when adjusting controls (e.g. drive vehicle). Foot controls are utilized to operate equipment (e.g. vehicle).

23.) UPPER AND LOWER EXTREMITY COORDINATION:

<u>MAXIMUM REQUIREMENT</u>	
Simple Grasp:	Frequent
Firm Grasp:	Seldom
Fine Manipulation:	Frequent
Eye/Hand Coordination:	Frequent
Hand/Foot Coordination:	Occasional

Comments: Grasping and coordination activities are performed when retrieving, returning, storing, operating, adjusting and/or transporting equipment, controls and supplies (e.g. desktop work, business machine, vehicle; firearm).

Simple grasping is utilized to perform job tasks (e.g. lift and manipulate objects weighing less than 5 pounds; drive vehicle, firearm).

Firm grasping is utilized to perform job tasks (e.g. lift and handle objects weighing 5 pounds or greater).

Fine manipulation is utilized to perform job tasks (e.g. keyboard, mouse; handwritten, page turn, sort, file; firearm).

Eye/hand coordination is utilized to perform job tasks (e.g. keyboard, mouse; handwritten, page turn, sort, file; drive vehicle, firearm).

Hand/foot coordination is utilized to perform job tasks (e.g. drive vehicle).

Depending on individual hand dominance, one hand may be used more frequently than the other when performing job tasks.

24.) CERVICAL (NECK) MOVEMENT:

<u>MAXIMUM REQUIREMENT</u>	
Static Neutral Position:	Frequent
Flexing:	Frequent
Rotating:	Occasional
Extending:	Seldom

Comments: Neck movement is required when performing job tasks (e.g. desktop work; work site observation; drive vehicle; firearm use). *Participating in observation of work environment allowing for safe working conditions. Full cervical range of motion is required to safely perform the job tasks.*

{End of Report}



STANISLAUS COUNTY

JOB TASK ANALYSIS SUMMARY

<u>FREQUENCY DEFINITIONS</u>	<u>SELDOM</u>	<u>OCCASIONAL</u>	<u>FREQUENT</u>	<u>CONSTANT</u>
Percent of the Day	1-2%	3-33%	34-66%	67-100%
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Repetitive & Static Work	1-50 Reps	51-250 Reps	251-1,000 Reps	1,001-20,000 Reps

The following is a summary of the physical demands of the Job Task Analysis that were obtained for the position of:

SAFETY MANAGER II, III & IV

Functional Activities	Maximum Requirements	Functional Activities	Maximum Requirements
<i>Push (Force)¹</i>	15 pounds	<i>Stair Climb</i>	Not Required
<i>Pull (Force)¹</i>	15 pounds	<i>Ladder Climb</i>	Not Required
<i>Stand Up Lift¹</i>	5 pounds	<i>Walk¹</i>	Occasional
<i>Level Lift¹</i>	10 pounds	<i>Sit¹</i>	Constant
<i>Weight Carry¹</i>	10 pounds	<i>Stand (Static)¹</i>	Occasional
<i>Overhead Lift/Pull Down</i>	0 pounds	<i>Balance¹</i>	Frequent
<i>Overhead Reach</i>	Not Required	<i>Hand Control¹</i>	Occasional
<i>Forward Reach¹</i>	Frequent	<i>Foot Control¹</i>	Occasional
<i>Stoop¹</i>	Seldom	<i>Simple Grasp¹</i>	Frequent
<i>Squat (Unloaded)</i>	Not Required	<i>Firm Grasp¹</i>	Seldom
<i>Forward Bend¹</i>	Occasional	<i>Fine Manipulation¹</i>	Frequent
<i>Twist¹</i>	Seldom	<i>Eye/Hand Coordination¹</i>	Frequent
<i>Turn</i>	Not Required	<i>Hand/Foot Coordination¹</i>	Occasional
<i>Kneel</i>	Not Required	<i>Cervical (neck) Movement¹</i>	Frequent
<i>Crawl</i>	Not Required		

¹ The critical demands of the job.
See report for Manager I variance.

Lyle Andersen, PT

 Lyle Andersen, PT, CWCE
 Preparer Signature

Date: _____

Lindsey Pimentel Date: 6/18/19
 Lindsey Pimentel
 Human Resources Manager

 Contact Person
 Title

Date: _____

 Contact Person
 Title

LA/gm