I					Сс	ommunication Skills
Τ	А					Oral communication/presentations: Communicate clearly with individuals and stakeholders.
Τ	А	1				Audiences
Т	А	2				Topics
Т	А	3				Resources: Develop technical information for dissemination to non-technical audiences.
Т	В					Written communication
Т	В	1				Public notices
						Requests for bids/specifications: Create clear and concise specifications for work to be
1	В	2				performed.
Ι	В	3				Contracts
1	В	4				Reports
1	В	5				Training/technical documents
Τ	В	6	х	х	1	Grants: Identify applicable grant and funding opportunities.
Τ	В	6	х	х	2	Prepare grant applications to address specific issues or projects.
1	С					Interactive
						Conflict resolution: Develop skills to manage conflict resolution for internal and/or
-	С	1				external issues.
						Interagency communication: Coordinate plans and actions with other municipal
1	С	2				divisions/departments.
						Media: Develop effective communication and relationships with the media in traditional
-	С	3				and social platforms.
-	С	4				Utilities: Coordinate plans and actions with local utilities.
1	С	5				Public groups
						ublic Relations and Education
11	Α	Х		х		Customer service: Monitor customer satisfaction.
11	Α		х	х	2	Customer service: Demonstrate effective customer relations with the public.
11	Α	1				Routine interactions/normal work schedule
Ш	Α	2				Service requests
Ш	Α	3				Internal
Ш	В					Public participation: Communicate the minimum standards of a community forestry program.
	_					Tree Board: Coordinate with community tree boards or similar advisory bodies to achieve
11	В	1				common goals.
Ш	В	2				Grassroots issues/concerns
П	В	3				Volunteer management: Implement a volunteer management program.
Ш	В	4				Special events
						Public education: Implement a public education program that reaches a wide range of
	С					stakeholders.

ш			Administration
III A			Budget and funding
			Development and management within: Monitor and make recommendation of
III A	1		department/program budgets.
III A	2		Identifying and utilizing alternate funding sources
III B			Policy Administration
III B	1		Maintenance of currency (reviewing and updating)
			Monitoring and enforcement: Implement/enforce community tree ordinance/policies in
III B	2		partnership with other municipal divisions/departments.
III C			Contracting: Monitor contractor performance and/or compliance.
III C	1		Evaluation of bids/awarding of contracts
III C			Adherence to specifications and standards
III C			Monitoring and payment management
III C	4		Enforcement and penalties
	_		Comparison of in-house versus contractor: Compare costs and effectiveness of in-house
	5		versus contractor provision of services.
III D			Personnel management
III D			Development of job descriptions
III D			Hiring/terminating, etc.
III D	3		Creating development plans
III D	4		Work plans/assignments: Create employee work tasks/assignments.
III D	5		Evaluations: Conduct employee evaluations.
III D	6		Managing employee relations
III E			Labor unions
III E	1		Knowledge/understanding of contracts
III E	2		Relationship with union representative
III E	3		Cooperation in development of policies, work plans, etc.
III F	х	Х	x 1 Safety and training: Implement workplace safety program/education.
III F	х	х	x 2 Safety and training: Implement staff training/education program.
III F	х	х	x 3 Safety and training: Evaluate workplace safety program/education.
III F	1		Compliance with standards and regulations
III F	2		Fostering a culture of safety
III F	3		Monitoring and enforcement
III F	4		Training program
III F	5		Maintaining currency
III G			Fleet and equipment
III G	1		Knowledge of industry tools and equipment
III G	2		Inspection, maintenance, and equipment
III G	3		Purchasing specifications
III H			Program justification: Advocate for tree management needs with decision makers.
III H	1		Cost/benefit analysis data
III H	2		Prepared statements/presentations
III H			Communication with decision-makers

IV			Tree Risk Management
IV	А		Determine ownership of trees: Determine ownership of trees (public versus private).
IV	В		Tree health management
IV		1	Plant health care best practices
IV		2	Pest management: Implement appropriate pest control strategies.
IV	В	3	Abiotic disorders: Diagnose abiotic tree disorders common in urban areas.
IV	С		Tree risk management
			Duty of care/liability: Recognize the liability associated with municipal tree management
	С	1	and the duty to manage tree risk.
_	С		Types of risk
	С		Risk assessment
IV	С	4	Risk analysis
			Prioritization of mitigation: Interpret tree inventory data to plan work to reduce risk
IV	-	5	associated with tree failures.
IV	С	6	Mitigation: Prescribe mitigation measures to reduce tree risk.
IV	D		Protection and Preservation: Administer tree protection ordinance/plan.
IV	D	1	Protection
IV	D	2	Damage
IV	D	3	Post-damage management
v			Arboricultural Practices
_	Α		
V	Α	хх	x 2 Tree inventories: Conduct a canopy cover analysis and/or tree inventory.
_	А	1	Types
V	А	2	Components
			Methods: Utilize current technology to execute tree inventory and manage the tree
V	А	3	database.
V	А	4	Utilization/purpose
V	А	5	Data management and updating
V	В		Pruning and pruning cycles
V	В	1	Defining objectives:
			Adherence to standards and best practices: Prune trees according to applicable industry
V	В	2	standards and best practices.
V	В	3	Budgeting/scheduling: Differentiate between routine and response pruning.
V	В	4	Pruning types
V	В	5	Crew options
V	С		Planting: Formulate an efficient and effective planting plan and stocking rate.
V	С	1	Location: Identify species appropriate for planting in various situations/locations.
V	С	2	Species/site considerations and selection: Assess site and soil conditions before planting.
-			Standards and specifications: Identify the most effective planting methods/standards
V	С	3	based on site conditions.
۷	С	4	Budgeting/scheduling
V	С	5	Crew options
	C	-	Promotion
v		-	

V	D	х	х	х	1	Natural area management: Plan for conservation of natural areas.
						Natural area management: Consider the wildland urban interface in tree management
V	D	х	х	х	2	operations.
۷	D	1				Laws and regulations
V	D	2				Management
V	Е					Soil/drainage management
V	Е	1				Soil sampling and types: Identify soil types.
V	Е	2				Modifications: Develop strategies for improving soil volume around urban trees.
V	Е	3			-	Structural soils/cells
	Ε		-		-	Irrigation: Recommend irrigation options for newly planted and/or existing trees.
_	-					Drainage: Recommend drainage options for managing water around newly planted or
v	Е	5				existing trees.
V	F	-	-		-	Regulation: Identify regulatory agencies affecting arboricultural practices in the community.
_	-					
VI					Pc	olicy and Planning
VI	А					Master management plan: Develop/implement an urban forest management plan.
VI	А	1				Objectives: Employ industry standards and best practices for urban forestry.
						Council: Recognize the political structure and/or processes of municipal management and
VI	А	2				policy development.
						Roles and responsibilities: Identify the urban forester's role within the structure of
VI	А	3				municipal management.
	А					Assessment: Analyze the assets and liabilities of the urban forest.
	А					Planting plan
	А					Maintenance plan
	А					Wood/chips/debris disposal/recycling: Assess opportunities for wood reuse/recycling.
	А					Tree protection: Interpret and evaluate site plans and/or specifications.
	А					Evaluation
VI	А	10				Reporting
VI						Risk management plan: Develop a tree risk management plan.
	В	1				Policy statement
VI		2				Goals
	В	3				Assessment frequency
VI		4				Assessment/analysis methodology
	В	5				Risk tolerance
	В	6				Prioritization
VI						Laws and ordinances
	С					Write/revise: Make recommendations for community tree ordinances/policies.
	С					Permits
	С					Plan review
VI	С	4				Criteria and specifications
	_					Storm disaster emergency response: Make recommendations for emergency response
VI						protocol.
VI		1				Plans/protocols
VI		2				Support agreements
VI	D	3				Government agency support