

Appendix H

Capital Improvement Project

Prioritization Ranking

Worksheets

Content:

- CIP Prioritization Ranking Worksheets

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Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	1/21/14
Project ID:	SSC 1	Watershed:	South Salt Creek
Project Location:	Tributary 1350 feet upstream of confluence with mainstem between Rosa Parks Way and W O St		
Project Description:	Grade Control Tributary SC005R005		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	190
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			10
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	200
		TOTAL for PROJECT XXXX-XX	200

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	0
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	10
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			10

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	1/21/14
Project ID:	SSC 2	Watershed:	South Salt Creek
Project Location:	Tributary 400 feet northwest of W Van Dom St and 20th St		
Project Description:	Irvingdale Park Channel Improvements on Tributary SC015R015		

Issues Addressed:

Structural and Non-Structural Flooding

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	80
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	200
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			30
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	230
		TOTAL for PROJECT XXXX-XX	230

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	10
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			30

Prioritization Ranking for Watershed Master Plan Projects - DRAFT

City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE

Date: 1/21/14

Project ID: SSC 3

Watershed: South Salt Creek

Project Location: Main Stem existing grade control downstream of Pioneers Blvd is failing. Bridge pier foundation is exposed. Stream Banks downstream of

Project Description: Grade Control on Main Stem SCR010 at W Pioneers Blvd Bridge

Issues Addressed:

Structural and Non-Structural Flooding

Open Channel and Surface Erosion

Water Quality, Wetlands, Natural Habitat

Public Health and Safety

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}
Major Structural Flooding Damage		30
Minor Structural Flooding Damage		20
Non-Structural Flooding	Streets / ROW, Other	15
Conservation / Prevention	Easements / Acquisitions	10
None		0
		P_{FD} = 0

Flooding Frequency		Multiplier, C _{FF}
Frequent Flooding	More frequent than 10-year storm	4
Infrequent Flooding	Less frequent than 10-year storm	2
None		0
		C_{FF} = 0

A = P_{FD} * C_{FF}

0
0
0

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}
Channel Erosion Threatening to Structures		50
Channel Erosion Threatening to Public Infrastructure		40
Channel Erosion Threatening to Natural Resources		35
Conservation / Prevention		10
Stream Stability benefit due to Flood Control or Water Quality Project		10
None		0
		P_{ET} = 40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}
Aggressive Erosion		3
Non-Aggressive Erosion		2
None		0
		C_{EA} = 2

B = P_{ET} * C_{EA}

40
2
80

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60
Regulatory Compliance / Stormwater Permit / NPDES		60
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50
Conservation / Prevention		30
Water Quality benefit due to Flood Control or Stream Stability Project		20
None		0
		P_{WQ} = 20

Project Benefit		Multiplier, C _{WB}
Major Water Quality Benefit	Broad-Based Impacts	4
Minor Water Quality Benefit	Localized Impacts	3
None		0
		C_{WB} = 3

C = P_{WQ} * C_{WB}

20
3
60

Safety Factor

Public Health and Safety		Points, P _{SF}
High Risk	Potential Loss of Life or Bodily Injury	160
Low Risk	Public Nuisance	60
No Risk		0
		P_{SF} = 60

D = P_{SF}

60

Prioritization Ranking Summary

X = A + B + C + D

200

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items)

30

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC}, Additional Considerations (may be used to add or subtract up to 60 points)

0

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC}

230

TOTAL for PROJECT XXXX-XX

230

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	10
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			30

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	1/21/14
Project ID:	SSC 4	Watershed:	South Salt Creek
Project Location:	Main Stem scour and incision have exposed Old Cheney Bridge piers.		
Project Description:	Grade Control on Main Stem SCR020 at Old Cheney Rd Bridge		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} = 0	

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} = 0	

A = P_{FD} * C_{FF}	0
	0
	0

Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} = 40	

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} = 2	

B = P_{ET} * C_{EA}	40
	2
	80

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} = 20	

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} = 3	

C = P_{WD} * C_{WB}	20
	3
	60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} = 60	

D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D	200
Miscellaneous Factors may be used to adjust scoring:	
P _{MISC} (See attached worksheet for description of miscellaneous items)	30
May Include: Project Location, Coincident Projects, Development Status, etc.	
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)	0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.	
TOTAL = X + P_{MISC} + P_{AC}	230
TOTAL for PROJECT XXXX-XX	230

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	10
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			30

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	1/21/14
Project ID:	SSC 5	Watershed:	South Salt Creek
Project Location:	Tributary upstream of Old Cheney Bridge, 220 feet upstream tributary		
Project Description:	Grade Control Incision and Knickzone on Tributary SC040R005		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	3

		B = P_{ET} * C_{EA}	120
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	240
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			30
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)			60
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	330
		TOTAL for PROJECT XXXX-XX	330

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

High priority project in order to preserve upstream natural resources

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	10
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			30

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	11/23/14
Project ID:	SSC 6	Watershed:	South Salt Creek
Project Location:	Main Stem knickpoint downstream of old railroad Bridge (located 950 feet downstream).		
Project Description:	Grade Control Main Stem SCR030 at Old Railroad Bridge and Knickpoint on Tributary SC050R005 at Wilderness Park Tall Bridge		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	3

		B = P_{ET} * C_{EA}	120
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D **240**

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) **50**

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC}, Additional Considerations (may be used to add or subtract up to 60 points) **0**

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} **290**

TOTAL for PROJECT XXXX-XX **290**

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	20
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	10
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			50

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	1/21/14
Project ID:	SSC 7	Watershed:	South Salt Creek
Project Location:	Tributary approximately 380 feet downstream of Rokeby Road is holding up a 2 ft Knickpoint.		
Project Description:	Stilling Basin at Perched W Rokeby Rd Culvert Outfall on Tributary SC155R005		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D **190**

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) **0**

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC} Additional Considerations (may be used to add or subtract up to 60 points) **0**

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} **190**

TOTAL for PROJECT XXXX-XX **190**

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	2/27/14
Project ID:	SSC 8	Watershed:	South Salt Creek
Project Location:	Tributary 1070 feet south of Rokeby and 12th.		
Project Description:	Stilling Basin at Perched SW 12th St Culvert Outfall on Tributary SC155R005		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	80
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D **200**

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) **0**

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC} Additional Considerations (may be used to add or subtract up to 60 points) **0**

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} **200**

TOTAL for PROJECT XXXX-XX **200**

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	2/27/14
Project ID:	SSC 9	Watershed:	South Salt Creek
Project Location:	Tributary 750 feet upstream of Rokeby		
Project Description:	Grade Control Farm Crossing Holding Up Knickpoint in Tributary SC055R025		

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}
Major Structural Flooding Damage		30
Minor Structural Flooding Damage		20
Non-Structural Flooding	Streets / ROW, Other	15
Conservation / Prevention	Easements / Acquisitions	10
None		0
		P_{FD} = 0

Flooding Frequency		Multiplier, C _{FF}
Frequent Flooding	More frequent than 10-year storm	4
Infrequent Flooding	Less frequent than 10-year storm	2
None		0
		C_{FF} = 0

		A = P_{FD} * C_{FF}
		0
		0
		0

Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}
Channel Erosion Threatening to Structures		50
Channel Erosion Threatening to Public Infrastructure		40
Channel Erosion Threatening to Natural Resources		35
Conservation / Prevention		10
Stream Stability benefit due to Flood Control or Water Quality Project		10
None		0
		P_{ET} = 35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}
Aggressive Erosion		3
Non-Aggressive Erosion		2
None		0
		C_{EA} = 2

		B = P_{ET} * C_{EA}
		35
		2
		70

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60
Regulatory Compliance / Stormwater Permit / NPDES		60
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50
Conservation / Prevention		30
Water Quality benefit due to Flood Control or Stream Stability Project		20
None		0
		P_{WD} = 20

Project Benefit		Multiplier, C _{WB}
Major Water Quality Benefit	Broad-Based Impacts	4
Minor Water Quality Benefit	Localized Impacts	3
None		0
		C_{WB} = 3

		C = P_{WD} * C_{WB}
		20
		3
		60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}
High Risk	Potential Loss of Life or Bodily Injury	160
Low Risk	Public Nuisance	60
No Risk		0
		P_{SF} = 60

		D = P_{SF}
		60

Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D 190

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) 0

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC} Additional Considerations (may be used to add or subtract up to 60 points) 0

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} 190

TOTAL for PROJECT XXXX-XX 190

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 11/23/14
 Project ID: SSC 10 Watershed: South Salt Creek
 Project Location: Tributary 2050 feet west of 14th and Rokeby.
 Project Description: Grade Control Knickpoint on Tributary SC265R005

Issues
Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	10

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D **190**

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) **0**

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC} Additional Considerations (may be used to add or subtract up to 60 points) **0**

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} **190**

TOTAL for PROJECT XXXX-XX **190**

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 2/27/14
 Project ID: SSC 11 Watershed: South Salt Creek
 Project Location: Tributary 2090 feet South of Rokeby on 1st St.
 Project Description: Grade Control Knickzone in Tributary SC435R005

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}
Major Structural Flooding Damage		30
Minor Structural Flooding Damage		20
Non-Structural Flooding	Streets / ROW, Other	15
Conservation / Prevention	Easements / Acquisitions	10
None		0
		P_{FD} = 0

Flooding Frequency		Multiplier, C _{FF}
Frequent Flooding	More frequent than 10-year storm	4
Infrequent Flooding	Less frequent than 10-year storm	2
None		0
		C_{FF} = 0

A = P_{FD} * C_{FF}	0
	0
	0

Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}
Channel Erosion Threatening to Structures		50
Channel Erosion Threatening to Public Infrastructure		40
Channel Erosion Threatening to Natural Resources		35
Conservation / Prevention		10
Stream Stability benefit due to Flood Control or Water Quality Project		10
None		0
		P_{ET} = 40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}
Aggressive Erosion		3
Non-Aggressive Erosion		2
None		0
		C_{EA} = 2

B = P_{ET} * C_{EA}	40
	2
	80

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60
Regulatory Compliance / Stormwater Permit / NPDES		60
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50
Conservation / Prevention		30
Water Quality benefit due to Flood Control or Stream Stability Project		20
None		0
		P_{WD} = 20

Project Benefit		Multiplier, C _{WB}
Major Water Quality Benefit	Broad-Based Impacts	4
Minor Water Quality Benefit	Localized Impacts	3
None		0
		C_{WB} = 3

C = P_{WD} * C_{WB}	20
	3
	60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}
High Risk	Potential Loss of Life or Bodily Injury	160
Low Risk	Public Nuisance	60
No Risk		0
		P_{SF} = 60

D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D	200
Miscellaneous Factors may be used to adjust scoring:	
P _{MISC} (See attached worksheet for description of miscellaneous items)	0
May Include: Project Location, Coincident Projects, Development Status, etc.	
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)	0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.	
TOTAL = X + P_{MISC} + P_{AC}	200
TOTAL for PROJECT XXXX-XX	200

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	2/27/14
Project ID:	SSC 12	Watershed:	South Salt Creek
Project Location:	Tributary 1150 feet south of Rokeby Rd.		
Project Description:	Stilling Basin at Perched S 1st St Culvert on Tributary SC365R005		

Issues Addressed:

Structural and Non-Structural Flooding

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	80
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	200
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			0
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	200
		TOTAL for PROJECT XXXX-XX	200

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 2/27/14
 Project ID: SSC 13 Watershed: South Salt Creek
 Project Location: Tributary 1270 feet east of the intersection of 14th St. and Sallilo Rd.
 Project Description: Stilling Basin at Perched S 1st St Culvert on Tributary SC165R010

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	40

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	80
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	200
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			0
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	200
		TOTAL for PROJECT XXXX-XX	200

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 11/23/14
 Project ID: SSC 14 Watershed: South Salt Creek
 Project Location: Tributary upstream east of 14th and Sattilo. 6200 feet upstream of tributary there is an intersection. Left at the intersection, 150 feet up ti
 Project Description: Stilling Basin at Perched Sattilo Rd Culvert on Tributary SC065R010

Issues
Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WD} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	190
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			20
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	210
		TOTAL for PROJECT XXXX-XX	210

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			20

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 11/23/14
 Project ID: SSC 15 Watershed: South Salt Creek
 Project Location: Tributary knickpoint located 180 feet upstream of the tributary's confluence with the mainstem of South Salt Creek.
 Project Description: Grade Control Incision on Tributary SC095R005 at Homestead Trail Bridge

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D **190**

Miscellaneous Factors may be used to adjust scoring:

P_{MISC} (See attached worksheet for description of miscellaneous items) **5**

May Include: Project Location, Coincident Projects, Development Status, etc.

P_{AC} Additional Considerations (may be used to add or subtract up to 60 points) **0**

May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.

TOTAL = X + P_{MISC} + P_{AC} **195**

TOTAL for PROJECT XXXX-XX **195**

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	5
	Tier III (development > 50 years)	0	
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			5

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By:	Mark Meyer, PE	Date:	11/23/14
Project ID:	SSC 16	Watershed:	South Salt Creek
Project Location:	Main Stem 1950 feet upstream of WittStruck Rd.		
Project Description:	Grade Control Knickpoints on Wagon Train Main Stem WTR005		

Issues Addressed:

Structural and Non-Structural Flooding

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

A = P_{FD} * C_{FF}	0
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Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

B = P_{ET} * C_{EA}	35
	3
	105

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WD} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

C = P_{WD} * C_{WB}	20
	3
	60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D	225
Miscellaneous Factors may be used to adjust scoring:	
P _{MISC} (See attached worksheet for description of miscellaneous items)	20
May Include: Project Location, Coincident Projects, Development Status, etc.	
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)	65
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.	
TOTAL = X + P_{MISC} + P_{AC}	310
TOTAL for PROJECT XXXX-XX	310

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

ADDITIONAL CONSIDERATIONS - Due to the severity of the headcut, the location in the watershed and the unstable nature of the headcut, 65 additional points were added to increase the priority

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			20

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 11/23/14
 Project ID: SSC 17 Watershed: South Salt Creek
 Project Location: Tributary 1070 feet south of Bennet St.
 Project Description: Grade Control Knickpoint on Tributary WT010R005

Issues Addressed:

Structural and Non-Structural Flooding

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} = 0	

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} = 0	

A = P_{FD} * C_{FF}	0
	0
	0

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} = 10	

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} = 2	

B = P_{ET} * C_{EA}	35
	2
	70

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} = 20	

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} = 3	

C = P_{WQ} * C_{WB}	20
	3
	60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} = 60	

D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

X = A + B + C + D	190
Miscellaneous Factors may be used to adjust scoring:	
P _{MISC} (See attached worksheet for description of miscellaneous items)	0
May Include: Project Location, Coincident Projects, Development Status, etc.	
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)	0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.	
TOTAL = X + P_{MISC} + P_{AC}	190
TOTAL for PROJECT XXXX-XX	190

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0

Prioritization Ranking for Watershed Master Plan Projects - DRAFT
City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE Date: 11/23/14
 Project ID: SSC 18 Watershed: South Salt Creek
 Project Location: Tributary 320 feet upstream of Bennet Road
 Project Description: Grade Control Knickpoint on Wagon Train Main Stem WTR010 Upstream of Bennet Rd

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}	
Major Structural Flooding Damage		30	
Minor Structural Flooding Damage		20	
Non-Structural Flooding	Streets / ROW, Other	15	
Conservation / Prevention	Easements / Acquisitions	10	
None		0	
		P_{FD} =	0

Flooding Frequency		Multiplier, C _{FF}	
Frequent Flooding	More frequent than 10-year storm	4	
Infrequent Flooding	Less frequent than 10-year storm	2	
None		0	
		C_{FF} =	0

		A = P_{FD} * C_{FF}	0
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Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}	
Channel Erosion Threatening to Structures		50	
Channel Erosion Threatening to Public Infrastructure		40	
Channel Erosion Threatening to Natural Resources		35	
Conservation / Prevention		10	
Stream Stability benefit due to Flood Control or Water Quality Project		10	
None		0	
		P_{ET} =	35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}	
Aggressive Erosion		3	
Non-Aggressive Erosion		2	
None		0	
		C_{EA} =	2

		B = P_{ET} * C_{EA}	70
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Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WQ}	
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60	
Regulatory Compliance / Stormwater Permit / NPDES		60	
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50	
Conservation / Prevention		30	
Water Quality benefit due to Flood Control or Stream Stability Project		20	
None		0	
		P_{WQ} =	20

Project Benefit		Multiplier, C _{WB}	
Major Water Quality Benefit	Broad-Based Impacts	4	
Minor Water Quality Benefit	Localized Impacts	3	
None		0	
		C_{WB} =	3

		C = P_{WQ} * C_{WB}	60
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Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}	
High Risk	Potential Loss of Life or Bodily Injury	160	
Low Risk	Public Nuisance	60	
No Risk		0	
		P_{SF} =	60

		D = P_{SF}	60
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Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D	190
Miscellaneous Factors may be used to adjust scoring:			
P _{MISC} (See attached worksheet for description of miscellaneous items)			20
May Include: Project Location, Coincident Projects, Development Status, etc.			
P _{AC} Additional Considerations (may be used to add or subtract up to 60 points)			0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.			
		TOTAL = X + P_{MISC} + P_{AC}	210
		TOTAL for PROJECT XXXX-XX	210

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	20
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			20

Prioritization Ranking for Watershed Master Plan Projects - DRAFT

City of Lincoln, Nebraska

Prepared By: Mark Meyer, PE	Date: 11/23/14
Project ID: SSC 19	Watershed: South Salt Creek
Project Location: Tributary 960 feet downstream of Saittilo	
Project Description: Grade Control Knickpoint on Wagon Train Main Stem WTR015 Downstream of Saittilo Rd	

Issues Addressed:

Flooding Impacts**

Projects primarily intended to address structural or non-structural flooding will always incorporate a high or low risk safety factor; though typically will not incorporate stream stability or water quality benefits.

Flooding Benefits		Points, P _{FD}
Major Structural Flooding Damage		30
Minor Structural Flooding Damage		20
Non-Structural Flooding	Streets / ROW, Other	15
Conservation / Prevention	Easements / Acquisitions	10
None		0
		P_{FD} = 0

Flooding Frequency		Multiplier, C _{FF}
Frequent Flooding	More frequent than 10-year storm	4
Infrequent Flooding	Less frequent than 10-year storm	2
None		0
		C_{FF} = 0

		A = P_{FD} * C_{FF}
		0
		0
		0

Structural and Non-Structural Flooding

Stream Stability

Projects primarily intended for stream stability typically will not incorporate flooding impact benefits; though will incorporate water quality benefits.

Stream Stability Benefit		Points, P _{ET}
Channel Erosion Threatening to Structures		50
Channel Erosion Threatening to Public Infrastructure		40
Channel Erosion Threatening to Natural Resources		35
Conservation / Prevention		10
Stream Stability benefit due to Flood Control or Water Quality Project		10
None		0
		P_{ET} = 35

Erosion Activity / Systemic Threat		Multiplier, C _{EA}
Aggressive Erosion		3
Non-Aggressive Erosion		2
None		0
		C_{EA} = 2

		B = P_{ET} * C_{EA}
		35
		2
		70

Open Channel and Surface Erosion

Water Quality

Projects primarily intended for water quality typically will not incorporate flooding impact benefits; though may incorporate stream stability benefits.

Water Quality Benefits		Points, P _{WD}
Enhance / Preserve Natural Resource Areas (Lake, Wetlands, etc.)		60
Regulatory Compliance / Stormwater Permit / NPDES		60
Create New Natural Resource Areas (Lakes, Wetlands, etc.)		50
Conservation / Prevention		30
Water Quality benefit due to Flood Control or Stream Stability Project		20
None		0
		P_{WD} = 20

Project Benefit		Multiplier, C _{WB}
Major Water Quality Benefit	Broad-Based Impacts	4
Minor Water Quality Benefit	Localized Impacts	3
None		0
		C_{WB} = 3

		C = P_{WD} * C_{WB}
		20
		3
		60

Water Quality, Wetlands, Natural Habitat

Safety Factor

Public Health and Safety		Points, P _{SF}
High Risk	Potential Loss of Life or Bodily Injury	160
Low Risk	Public Nuisance	60
No Risk		0
		P_{SF} = 60

		D = P_{SF}
		60

Public Health and Safety

Prioritization Ranking Summary

		X = A + B + C + D
		190
Miscellaneous Factors may be used to adjust scoring:		
P _{MISC} (See attached worksheet for description of miscellaneous items)		0
May Include: Project Location, Coincident Projects, Development Status, etc.		
P _{AC} , Additional Considerations (may be used to add or subtract up to 60 points)		0
May Include: Legal Issues, Jurisdictional Coordination, Complaints, Outside Funding Sources, Wildlife Benefits, etc.		
		TOTAL = X + P_{MISC} + P_{AC}
		190
		TOTAL for PROJECT XXXX-XX
		190

Project Location, Development Status, Coincident Projects, Condition / Maintenance, Downstream Impacts, Source Reduction, Additional Considerations

Comments or Description of Additional Considerations:

**Flooding impacts were not analyzed as part of this CIP process.

MISCELLANEOUS FACTORS - DRAFT

		Points Available	Points Assigned
Location	Public Property or willing owner of Private Property	up to 20	
Coincident with Adjacent Projects	Public Projects (water, sanitary, roads, etc.)	up to 20	
	Private Projects	up to 10	
Development Status (Points available are fixed, and are not flexible)	Tier I, Priority A	20	
	Tier I, Priority B	15	
	Tier I, Priority C	10	
	Existing City Limits	10	
	Tier II (development 25 - 50 years)	5	
	Tier III (development > 50 years)	0	0
<p>Tier I, Priority A - Areas designated for near term development are generally contiguous to existing development and should be provided first with basic infrastructure within 6 years of the adoption of the Plan. Some of the infrastructure required for development may already be in place. This area includes some land already annexed, with City commitments to fund infrastructure improvements, but the land is still undeveloped and without significant infrastructure in place yet. Some infrastructure improvements may be done in the near term while others, such as road improvements that are generally more costly, may take longer to complete.</p> <p>Tier I, Priority B - The next areas for development, beyond Priority A, are those which currently lack almost all of the infrastructure required to support development. In areas with this designation, the community will maintain present uses until urban development can commence. Infrastructure improvements to serve this area will not initially be included in the City's CIP, but will be actively planned for in the longer term capital improvement planning of the various city and county departments.</p> <p>Tier I, Priority C - This is the later phase of development areas and is intended to be served after Priority A and B. Given current growth rates and infrastructure financing, development would not begin in this area until after 2020 or 2025.</p>			
Total Miscellaneous Points, P_{MISC} =			0