

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: 11/16/14
 Project ID: HB 01 Watershed: Haines Branch
 Project Location: Main Stem Under Homestead And W Folsom St Bridges
 Project Description: Grade Control Main Stem HBR005 at S Folsom St and Pipe Outfall Restoration along Bison Trail at Homestead

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)	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 HB 01	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:	1/16/14
Project ID:	HB 02	Watershed:	Haines Branch
Project Location:	Main Stem at W Van Dorn St 1,00 West of W Folsom St		
Project Description:	Bank Stabilization and Grade Control Main Stem HBR005 at W Van Dorn St		

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 _{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} = 160

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)		35
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}		235
TOTAL for PROJECT HB 02		235

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	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} =			35

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

Prepared By:	Mark Meyer, PE	Date:	11/16/14
Project ID:	HB 03	Watershed:	Haines Branch
Project Location:	Tributary and Main Stem Confluence at West Calvert Street		
Project Description:	Grade Control Knickpoint on Tributary HB015R005 at Confluence		

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)			25
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}	215
		TOTAL for PROJECT HB 03	215

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	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} =			25

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

Prepared By:	Mark Meyer, PE	Date:	11/16/14
Project ID:	HB 04	Watershed:	Haines Branch
Project Location:	Tributary and Main Stem Confluence in Pioneers Park		
Project Description:	Grade Control Knickpoint at Confluence on Tributary HB040R005 in Pioneers Park		

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} =	3

		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

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)			25
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}	215
		TOTAL for PROJECT HB 04	215

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	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} =			25

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

Prepared By:	Mark Meyer, PE	Date:	11/16/14
Project ID:	HB 05	Watershed:	Haines Branch
Project Location:	Tributary and Main Stem Confluence in Western Pioneers Park		
Project Description:	Grade Control Knickpoint at Confluence on Tributary HB045R005 in Pioneers Park Nature Center		

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)			25
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}	215
		TOTAL for PROJECT HB 05	215

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	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} =			25

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

Prepared By:	Mark Meyer, PE	Date:	11/16/14
Project ID:	HB 06	Watershed:	Haines Branch
Project Location:	Tributary 400 feet upstream of Haines at W 56th Street.		
Project Description:	Grade Control Knickpoint on Tributary HB055R005 at Confluence		

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} =	3

		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) **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 HB 06 **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:	11/16/14
Project ID:	HB 07	Watershed:	Haines Branch
Project Location:	Tributary and Main Stem Confluence 1800 feet North of the West Claire Avenue dead end.		
Project Description:	Grade Control Knickpoint on Tributary HB070R005 at Confluence		

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} =	3

		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 HB 07	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:	11/16/14
Project ID:	HB 08	Watershed:	Haines Branch
Project Location:	Tributary and Main Stem Confluence in Pioneers Park		
Project Description:	Grade Control Knickpoint at Confluence on Tributary HB040R005 in Pioneers Park		

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 HB 08	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:	11/16/14
Project ID:	HB 09	Watershed:	Haines Branch
Project Location:	Tributary reach located north east of W 84th and Pioneers.		
Project Description:	Grade Control Incising Reach on Tributary HB080R010		

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} =	3

B = P_{ET} * C_{EA}	105
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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	225
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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}	225
TOTAL for PROJECT HB 09	225

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:	11/16/14
Project ID:	HB 10	Watershed:	Haines Branch
Project Location:	Tributary immediately upstream of the W Denton Rd culvert located 250 feet east of 60th and W Denton Rd.		
Project Description:	Grade Control Knickzone on Tributary HB035R040		

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} =	3

		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) **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 HB 10 **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	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	
	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