



FY 2017

Capital Improvement Funds

Description

The Five Year Capital Improvement Plan (CIP) includes all capital project funds, including (a) the Capital Improvement Fund, which accounts for those projects funded by the operating funds (General Fund and Enterprise Fund), (b) the Capital Bond Fund, which includes those projects funded by bond proceeds and related interest earnings, and (c) the Metro Fund, which includes those projects funded by METRO Mobility funds.

The CIP is comprehensive and projects the City's capital needs over a five year time horizon. Adopting the CIP does not appropriate funds for the projects outlined in the CIP as the CIP is simply a guideline for planning and it is reviewed and modified annually. Only projects for the upcoming fiscal year are considered part of the adopted budget.

FY 2017 Planned Capital Projects

Capital Improvement Fund – The Capital Improvement Fund is funded by transfers from the General Fund and the Enterprise Fund. The General Fund's FY 2017 budget includes \$1,050,000 to be transferred to the Capital Improvement Fund, \$800,000 of which is earmarked for pavement maintenance. The Enterprise Fund's FY 2017 budget includes \$650,000 to be transferred to the Capital Improvement Fund. Total budgeted FY 2017 revenues for the Capital Improvement Fund are \$1,700,000. These revenues, along with some available beginning fund balance, are planned to be expended as follows:

General Fund Related

\$800,000	Pavement maintenance
\$150,000	Improvements to the Aquatics Center pool area
\$100,000	Improvements to playground equipment, shade structures, and park amenities
\$75,000	Development of a community pathways master plan
\$75,000	Development of a decorative standard for major streets
\$50,000	Development of a park signage master plan
<u>\$50,000</u>	Updating the flood hazard mitigation plan
\$1,300,000	Budgeted FY 2017 General Fund Related Project Expenditures

The City's FY 2017 planned capital project for pavement maintenance totals \$2,000,000, with \$800,000 planned funding from the Capital Improvement Fund and \$1,200,000 planned funding from the Metro Fund.

Enterprise Fund Related

\$400,000	Rehabilitation of Renwick water ground storage tank
\$150,000	City-wide SCADA
<u>\$100,000</u>	Water and wastewater system upgrades
\$650,000	Budgeted FY 2017 Enterprise Fund Related Project Expenditures

Capital Bond Fund – The Capital Bond Fund is funded by bond proceeds and related interest earnings. Total budgeted FY 2017 revenues for the Capital Bond Fund are \$43,610,000. These revenues are planned to be expended as follows:

\$18,160,000	New municipal buildings
\$12,800,000	Water meter installation and improvements to wastewater treatment plant
\$7,000,000	Streets and drainage
\$3,500,000	Water line replacement
\$2,000,000	City-wide sidewalk design and construction
<u>\$150,000</u>	Wastewater line improvements
\$43,610,000	Budgeted FY 2017 Project Expenditures

Metro Fund – The Metro Fund is funded by METRO Mobility funds received by the City from the Metropolitan Transit Authority of Harris County (METRO) pursuant to an interlocal agreement. Pursuant to the agreement, METRO remits a portion of the sales and use taxes it collects within the Bellaire City limits to the City with the stipulation that these funds are designated for use on eligible projects including, but not limited to, street construction and maintenance, traffic control, pathway construction and maintenance, and street lighting. Total budgeted FY 2017 revenues for the Metro Fund are \$1,200,000. These revenues are planned to be expended as follows:

<u>\$1,200,000</u>	Pavement maintenance
\$1,200,000	Total Budgeted FY 2017 Project Expenditures

Carry-Over Capital Projects

Capital projects are often multi-year projects. While a project is often approved in a given fiscal year budget, the actual expenditures may take place over that fiscal year and future years. As such, there are carry-over projects approved in prior fiscal years where the project is still underway and has remaining expenditures. The funds appropriated in prior year budgets to fund the expenditures on carry-over projects make up the beginning fund balances of the capital improvement funds.

FY 2017 Adopted Capital Improvement Projects

General Fund CIP

Beginning Balance - General Fund Cash	\$ 250,000
Beginning Balance - ReBuild Bellaire Facilities Cash	\$ 751,051
Beginning Balance - ROW Fund Restricted	\$ 351,200
Transfer in From General Fund	\$ 250,000
Transfer in From General Fund for Pavement Maintenance Program	\$ 800,000
METRO Revenue for Pavement Maintenance Program	\$ 1,200,000
Total Resources	\$ 3,602,251

Bellaire Family Aquatic Center Pool Area Improvements - Improves pool amenities by adding additional shade structures for patrons around the pool deck. Replace the concrete blocks under the waterslide feature with a flat deck and proper drainage. Add additional decking around the pool to accommodate the needs of the pool patrons as it pertains to daily use and aquatic programming needs.	\$ 150,000
Playgrounds, Shade Structures, and Park Amenities - Provides annual funding to address replacement and/or purchase of new playground equipment, shade structures and park amenities.	\$ 100,000
Park Signage Master Plan - Includes all signage used in City of Bellaire Parks.	\$ 50,000
Community Pathways Master Plan - City-Wide Pathways Master Plan to coordinate with the City's nodes and parks as well as surrounding pedestrian and bike systems.	\$ 75,000
Pavement Management Program - The City of Bellaire's Pavement Management Program is geared toward improving the overall quality of the roadway systems by repairing pavement failures and distresses. The City's goal is to bring the streets maintained by the City up to an acceptable level of service and keep them there through an aggressive and comprehensive maintenance program.	\$ 2,000,000
Decorative Standard for Major Streets - This project will look to combine goals of better street lighting, additional trail lighting, use of LED lighting options, and a decorative standard for major streets throughout the City. The initial project will focus on Newcastle St. Future phases may focus on other major streets and high-traffic areas. A different decorative standard for lower-traffic/residential streets may be chosen to follow this project with common design considerations in mind. An element of customization will be explored to potentially tie in with other City projects. This project is in collaboration with CenterPoint Energy.	\$ 75,000
Flood Plain Hazard Mitigation Plan - The existing Flood Hazard Mitigation Plan will be revised to update the flood risks and identify mitigation efforts. This plan would identify possible future projects to reduce flood risks.	\$ 50,000
Total FY 2017 General Fund CIP	\$ 2,500,000
Ending Balance	\$ 1,102,251

FY 2017 Adopted Capital Improvement Projects

Enterprise Fund CIP

Beginning Balance	\$ 155,000
Transfer in From Enterprise Fund	\$ 650,000
Total Resources	\$ 805,000

<p>City Wide SCADA - With the completion of Phase I, the City will have completed a Needs Assessment, some minor upgrades and repairs, and a SCADA System Master Plan. This Master Plan will outline the next phases of the SCADA System Upgrades Project. Phase II is scheduled to begin in FY 2016 and end in FY 2017. This phase will address SCADA connections to the 3 City water plants, the 3 remote lift stations, and the City wastewater treatment plant. Phase III is tentatively scheduled for FY 2020 and will see further upgrades to the City's SCADA System such as connectivity to other City infrastructure, and performing equipment upgrades. Additional phases may be identified in future years.</p>	\$ 150,000
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<p>Rehabilitation of the Renwick Ground Storage Tank - This project involves the blasting and recoating of the 1,000,000 gallon water storage tank on Renwick. A recent inspection indicated this tank is in need of rehabilitation work in order to preserve the functionality of the tank. Design and preliminary work took place in FY 2016, and the construction phase will be part of the FY 2017 budget.</p>	\$ 400,000
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<p>Water and Wastewater System Upgrades - This project addresses immediate high-level maintenance requirements for both the water and wastewater systems.</p>	\$ 100,000
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Total FY 2017 Enterprise Fund CIP	\$ 650,000
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Ending Balance	\$ 155,000
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FY 2017 Adopted Capital Improvement Projects

Bond Fund CIP

Existing Bond Authority	\$ 12,560,000
Bonds for Better Bellaire 2016	\$ 31,050,000
Total Resources	\$ 43,610,000
Streets and Drainage - Complete street and related drainage infrastructure replacement.	\$ 7,000,000
Sidewalks - Design and construction of sidewalks throughout the City.	\$ 2,000,000
New Municipal Buildings - Funding for the construction of the new city hall/civic center and new police/municipal courts buildings.	\$ 18,160,000
Water Line Improvements - Includes approximately 55,000 linear feet of water line replacement distributed over three years. The annual projects will be developed using a prioritization derived from the most recent condition assessment as well as operational issues along the way. FY 2017 includes design and construction.	\$ 3,500,000
Wastewater Line Improvements - Includes approximately 4,500 linear feet of wastewater line replacement spread over a five year period which began in FY 2016. The annual projects will be developed using a prioritization derived from the most recent condition assessment as well as operational issues along the way.	\$ 150,000
Water Meter Installation and Improvements to Wastewater Treatment Plant - Upgrades all water meters in the City and includes incorporating an automated metering infrastructure. Additionally, provides wastewater system upgrades, including improvements to the aeration system, digesters, main lift station, disinfection system, return activated sludge pumps, and flow control.	\$ 12,800,000
Total FY 2017 Bond Fund CIP	\$ 43,610,000
Ending Balance	\$ -

Combined FY 2017 Adopted General Fund CIP, Enterprise Fund CIP, and Bond Fund CIP

Total CIP Resources	\$ 48,017,251
Total CIP Projects	\$ 46,760,000
Total CIP Ending Balances	\$ 1,257,251

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
General Fund CIP							
Beginning Balance - General Fund	\$ 250,000	\$ -	\$ -	\$ -	\$ -		
Beginning Balance - Rebuild Bellaire - Cash Facilities Cash	\$ 751,051	\$ 751,051	\$ 751,051	\$ -	\$ -		
Beginning Balance - ROW Fund - Restricted Funds	\$ 351,200	\$ 351,200	\$ 351,200	\$ 351,200	\$ 351,200	\$ 351,200	
Transfer in From General Fund	\$ 250,000	\$ 425,000	\$ 640,000	\$ 300,000	\$ 50,000		
Transfer in From General Fund for Pavement Maintenance Program	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000		
METRO Revenue for Pavement Maintenance Program	\$ 1,200,000	\$ 1,200,000	\$ 1,200,000	\$ 1,200,000	\$ 1,200,000		
Total Resources	\$ 3,602,251	\$ 3,527,251	\$ 3,742,251	\$ 2,651,200	\$ 2,401,200	\$ 351,200	
Bellaire Family Aquatic Center Pool Area Improvements - Improve pool amenities by adding additional shade structures for patrons around the pool deck. Replace the concrete blocks under the waterslide feature with a flat deck and proper drainage. Add additional decking around the pool to accommodate the needs of the pool patrons as it pertains to daily use and aquatic programming needs.	\$ 150,000						\$ 150,000
Playgrounds, Shade Structures, and Park Amenities - Provides annual funding to address city-wide replacement and/or purchase of new playground equipment, shade structures and park amenities.	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000			\$ 400,000
Park Signage Master Plan - Includes all signage used in City of Bellaire Parks.	\$ 50,000						\$ 50,000
Community Pathways Master Plan - City-Wide Pathways Master Plan to coordinate with the City's nodes and parks as well as surrounding pedestrian and bike systems.	\$ 75,000						\$ 75,000
Pavement Management Program - The City of Bellaire's Pavement Management Program is geared toward improving the overall quality of the roadway systems by repairing pavement failures and distresses. The City's goal is to bring the streets maintained by the City up to an acceptable level of service and keep them there through an aggressive and comprehensive maintenance program.	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000		\$ 10,000,000
Decorative Standard for Major Streets (FY 2017 Newcastle St. Pilot Project) - This project will look to combine goals of better street lighting, additional trail lighting, use of LED lighting options, and a decorative standard for major streets throughout the City. The initial project will focus on Newcastle St. Future phases may focus on other major streets and high-traffic areas. A different decorative standard for lower-traffic/residential streets may be chosen to follow this project with common design considerations in mind. An element of customization will be explored to potentially tie in with other City projects. This project is in collaboration with CenterPoint Energy.	\$ 75,000	\$ 75,000					\$ 150,000
Flood Plain Hazard Mitigation Plan - The existing Flood Hazard Mitigation Plan will be revised to update the flood risks and identify mitigation efforts. This plan would possible future projects to reduce flood risks.	\$ 50,000						\$ 50,000

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
Impound Lot Relocation and Build Out - Relocate current police department impound lot from Bellaire Town Square to public works service center.		\$ 100,000					\$ 100,000
Park Signage Master Plan Implementation - Estimated annual cost to implement the Master Plan.		\$ 100,000	\$ 100,000	\$ 100,000			\$ 300,000
City-Wide Signage Enhancements Project - This project will authorize a new standard for City signage with the use of a black powder-coated pole and cap. Decorative options for major streets and high-profile areas may be examined for implementation as well. The estimated budget assumes 4,000 poles will be replaced over the course of 4 years with some use of a contractor for large installations. City crews will maintain signs and replace with the new standard as needed for maintenance and assist with large installations when possible.		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000		\$ 200,000
Park Upgrades after Municipal Facilities Project - Once facilities are completed landscaping and trails will be addressed within the Bellaire Town Square footprint that was impacted by the construction of the new facilities.			\$ 100,000				\$ 100,000
Signature Corner Design - Conceptual Designs have been provided for the corner of S. Rice Avenue and Jessamine. Construction would fall under new bond authority funding. Funded by RBB Cash.			\$ 751,050				\$ 751,050
Permanent Restroom Facility - Provide a permanent restroom facility at Lafayette Park.			\$ 200,000				\$ 200,000
Loftin Park Irrigation System - Irrigation system for the existing trees and turf located within Loftin Park.			\$ 90,000				\$ 90,000
Ware Park - Picnic pavilion design and construction at Ware Park.				\$ 50,000			\$ 50,000
Paseo Park West Expansion with future relocation of transit center. ROW Restricted funding. Resolution 11-10 - Policy for Acquisition and Development of Parkland has the following restriction of use - Resolution reads as follows: ("Development" shall be generally defined to include the purchase, delivery, installation, and other necessary expenditures associated with new park, features/equipment/benches, fields, structures and/or facilities, and infrastructure (such as, but not limited to, pathways, driveways, cabling and wiring, drinking water fountains, water features, lighting, and landscaping). Expenditures associated with the maintenance or replacement of existing park features, equipment, structures, facilities, and/or infrastructure cannot be paid for with or reimbursed from said restricted funds.)						\$ 351,200	\$ 351,200
Total General Fund CIP	\$ 2,500,000	\$ 2,425,000	\$ 3,391,050	\$ 2,300,000	\$ 2,050,000	\$ 351,200	\$ 13,017,250
Total Ending Balance	\$ 1,102,251	\$ 1,102,251	\$ 351,201	\$ 351,200	\$ 351,200	\$ -	

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
Enterprise Fund CIP							
Beginning Balance	\$ 155,000	\$ 155,000	\$ 155,000	\$ 155,000	\$ 155,000	\$ 155,000	
Transfer in From Enterprise Fund	\$ 650,000	\$ 100,000	\$ 100,000	\$ 160,000	\$ 175,000	\$ 910,000	
Total Resources	\$ 805,000	\$ 255,000	\$ 255,000	\$ 315,000	\$ 330,000	\$ 1,065,000	
City-Wide SCADA - With the completion of Phase I, the City will have completed a Needs Assessment, some minor upgrades and repairs, and a SCADA System Master Plan. This Master Plan will outline the next phases of the SCADA System Upgrades Project. Phase II is scheduled to begin in FY 2016 and end in FY 2017. This phase will address SCADA connections to the 3 City water plants, the 3 remote lift stations, and the City wastewater treatment plant. Phase III is tentatively scheduled for FY 2020 and will see further upgrades to the City's SCADA System such as connectivity to other City infrastructure, and performing equipment upgrades. Additional phases may be identified in future years.	\$ 150,000					\$ 250,000	\$ 400,000
Rehabilitation of the Renwick Ground Storage Tank - This project involves the blasting and recoating of the 1,000,000 gallon water storage tank on Renwick. A recent inspection indicated this tank is in need of rehabilitation work in order to preserve the functionality of the tank. Design and preliminary work took place in FY 2016, and the construction phase will be part of the FY 2017 budget.	\$ 400,000						\$ 400,000
Water and Wastewater System Upgrades - This project addresses immediate high-level maintenance requirements for both the water and wastewater systems.	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
Wendell Lift Station and Bellaire Lift Station - Both stations have been evaluated and inspected for possible rehabilitation efforts. Phase I included improvements to the Bellaire Lift Station in FY 2016. Phase II will include improvements to the Wendell Lift Station.				\$ 60,000			\$ 60,000
Central Water Plant Electrical Upgrades - This project will address some remaining electrical equipment items at the Central Plant that are in need of replacement. The main components involved include the electrical bus and motor starters for the booster pumps.					\$ 75,000	\$ 560,000	\$ 635,000
Total Enterprise Fund CIP	\$ 650,000	\$ 100,000	\$ 100,000	\$ 160,000	\$ 175,000	\$ 910,000	\$ 2,095,000
Total Ending Balance	\$ 155,000	\$ 155,000					

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
BOND FUND							
Existing Bond Authority	\$ 12,560,000						
Bonds for Better Bellaire 2016	\$ 31,050,000	\$ 10,150,000	\$ 12,650,000	\$ 130,000			
2019 Bond				\$ 8,500,000	\$ 15,500,000	\$ 13,000,000	
Total Resources	\$43,610,000	\$10,150,000	\$12,650,000	\$ 8,630,000	\$15,500,000	\$13,000,000	
Streets and Drainage - Includes complete street and related drainage infrastructure replacement.	\$ 7,000,000	\$ 6,000,000	\$ 7,000,000	\$ 6,000,000	\$ 6,000,000	\$ 8,000,000	\$ 40,000,000
Sidewalks - Design and construction of sidewalks throughout the City.	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 7,000,000
New Municipal Buildings - Funding for the construction of the new city hall/civic center and new police/municipal courts buildings.	\$ 18,160,000						\$ 18,160,000
Water Line Improvements - Includes approximately 55,000 linear feet of water line replacement distributed over three years. The annual projects will be developed using a prioritization derived from the most recent condition assessment as well as operational issues along the way. FY 2017 includes design and construction.	\$ 3,500,000	\$ 3,000,000	\$ 4,500,000				\$ 11,000,000
Wastewater Line Improvements - Includes approximately 4,500 linear feet of wastewater line replacement spread over a five year period which began in FY 2016. The annual projects will be developed using a prioritization derived from the most recent condition assessment as well as operational issues along the way.	\$ 150,000	\$ 150,000	\$ 150,000	\$ 130,000			\$ 580,000
Water Meter Installation and Improvements to Wastewater Treatment Plant - Upgrades all water meters in the City and includes incorporating an automated metering infrastructure. Additionally, provides wastewater system upgrades, including improvements to the aeration system, digesters, main lift station, disinfection system, return activated sludge pumps, and flow control.	\$ 12,800,000						\$ 12,800,000
Library - Design and construction for new Library building.				\$ 500,000	\$ 4,000,000		\$ 4,500,000
Other Parks - Additional needs at other parks in the COB system, including restrooms, lighting, parking lots, and various other amenities.				\$ 1,000,000			\$ 1,000,000
Public Works Building - Funding for land acquisition, design, and construction of a new Public Works Building.					\$ 4,000,000		\$ 4,000,000
Evergreen Park - Per the Evergreen Park Master Plan, this project includes design and construction of the Park.					\$ 500,000	\$ 4,000,000	\$ 4,500,000
Total Bond Fund CIP	\$43,610,000	\$10,150,000	\$12,650,000	\$ 8,630,000	\$15,500,000	\$13,000,000	\$ 103,540,000
Total Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
UNFUNDED PROJECTS							
Urban Village Transit Infrastructure - Replace and improve streets and drainage.		\$ 5,000,000					\$ 5,000,000
Way finding and Entryway Markers - Provide physical improvement intended to provide visual definition including way finding signage. Including a possible new logo and design color scheme. Allowing both commercial and City service connection.						\$ 300,000	\$ 300,000
Signature Corner Design and Construction - Conceptual Designs have been provided for the corner of S. Rice Avenue and Jessamine						\$ 3,000,000	\$ 3,000,000
Zindler Park - Upgrade / Automate Ball Field Lights & Netting						\$ 500,000	\$ 500,000
Zindler Park - Upgrade / Automate Tennis Court Lighting						\$ 400,000	\$ 400,000
Zindler Park - Rec. Center Renovation Design - Programming and design of key improvements to the Bellaire Recreation Center Building				\$ 120,000			\$ 120,000
Zindler Park - Rec Center Renovation Construction					\$ 800,000		\$ 800,000
Zindler Park - Concession Stand Renovation			\$ 50,000				\$ 50,000
Holly Street Esplanade - Additional amenities and plantings for the Holly Street Esplanade Project						\$ 250,000	\$ 250,000
Community Pathways Master Plan Implementation - Pathways master plan implementation			\$ 1,500,000				\$ 1,500,000
Feld Park Renovation Design - Park improvements including parking lot, sidewalks and paths, fencing and sports fields/courts				\$ 150,000			\$ 150,000
Feld Park Construction - Park improvements including parking lot, sidewalks and paths, fencing and sports fields/courts					\$ 900,000		\$ 900,000
Mulberry Park - Replace Tennis Fencing, Upgrade / Automate Lighting					\$ 400,000		\$ 400,000

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.

Five Year Capital Improvement Plan							
	FY 2017 Adopted	FY 2018 Planned	FY 2019 Planned	FY 2020 Planned	FY 2021 Planned	Beyond FY 2021	Totals
Mulberry Park - Upgrade / Automate Ball Field Lighting					\$ 500,000		\$ 500,000
Mulberry Park - Restroom Facility		\$ 200,000					\$ 200,000
Mulberry Park - Parking Lot Replacement						\$ 450,000	\$ 450,000
Vic Driscoll Park - Pathway Lighting						\$ 50,000	\$ 50,000
Trolley Esplanade Renovation - Improvements to include general and specialized lighting, sidewalks and paths, drainage, signage and interpretive graphics, and trolley area improvements in Paseo Park.						\$ 1,000,000	\$ 1,000,000
Total Unfunded	\$ -	\$ 5,200,000	\$ 1,550,000	\$ 270,000	\$ 2,600,000	\$ 5,950,000	\$ 15,570,000

The CIP beyond FY 2017 does not appropriate any funds for projects listed; it is a guideline for planning.